

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090719\
 Data File : VN057741.D
 Acq On : 7 Sep 2019 10:32
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 3:03:08 PM

Quant Time: Sep 08 06:32:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 03:46:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	228632	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	352890	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	327762	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	195704	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	241393	43.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.80%	
35) Dibromofluoromethane	7.57	113	159623	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
50) Toluene-d8	10.09	98	602112	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
62) 4-Bromofluorobenzene	12.40	95	242056	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	159241	43.859	ug/l	95
3) Chloromethane	2.03	50	150348	34.568	ug/l	98
4) Vinyl Chloride	2.16	62	130888	41.627	ug/l	99
5) Bromomethane	2.54	94	74773	51.779	ug/l	97
6) Chloroethane	2.68	64	76882	41.417	ug/l	95
7) Trichlorofluoromethane	2.99	101	208004	41.220	ug/l	98
8) Diethyl Ether	3.39	74	87805	43.547	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	147348	46.788	ug/l	96
10) Methyl Iodide	3.92	142	169155	54.211	ug/l	97
11) Tert butyl alcohol	4.76	59	116063	183.662	ug/l #	91
12) 1,1-Dichloroethene	3.71	96	126309	44.577	ug/l	97
13) Acrolein	3.58	56	60789	202.271	ug/l	100
14) Allyl chloride	4.29	41	272939	42.152	ug/l	98
15) Acrylonitrile	4.96	53	354491	218.191	ug/l	99
16) Acetone	3.79	43	403156	235.542	ug/l	98
17) Carbon Disulfide	4.03	76	275352	42.891	ug/l	100
18) Methyl Acetate	4.30	43	191398	41.121	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	509808	42.856	ug/l	99
20) Methylene Chloride	4.53	84	153888	41.582	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	135642	45.493	ug/l	93
22) Diisopropyl ether	5.92	45	602945	44.019	ug/l	98
23) Vinyl Acetate	5.87	43	2503475	225.808	ug/l	99
24) 1,1-Dichloroethane	5.82	63	302176	43.025	ug/l	100
25) 2-Butanone	6.81	43	546324	222.884	ug/l	99
26) 2,2-Dichloropropane	6.80	77	269358	45.972	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	172556	46.107	ug/l	94
28) Bromochloromethane	7.18	49	163594	44.519	ug/l	97
29) Tetrahydrofuran	7.19	42	337191	213.312	ug/l	99
30) Chloroform	7.35	83	330551	45.167	ug/l	97
31) Cyclohexane	7.63	56	262211	42.003	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	277322	45.494	ug/l	99
36) 1,1-Dichloropropene	7.78	75	219514	46.758	ug/l	98
37) Ethyl Acetate	6.91	43	223780	48.014	ug/l	98
38) Carbon Tetrachloride	7.76	117	224568	49.957	ug/l	100

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	241156	48.565	ug/l	99
40) Benzene	8.02	78	636145	47.907	ug/l	98
41) Methacrylonitrile	7.15	41	112454	49.360	ug/l	95
42) 1,2-Dichloroethane	8.11	62	287551	46.199	ug/l	99
43) Isopropyl Acetate	8.15	43	406880	45.482	ug/l	98
44) Trichloroethene	8.82	130	158059	52.961	ug/l	99
45) 1,2-Dichloropropane	9.11	63	181483	48.867	ug/l	99
46) Dibromomethane	9.20	93	121338	50.934	ug/l	94
47) Bromodichloromethane	9.39	83	250849	49.548	ug/l	99
48) Methyl methacrylate	9.19	41	206089	44.794	ug/l	98
49) 1,4-Dioxane	9.19	88	50697	947.036	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1204917	242.524	ug/l	99
52) Toluene	10.15	92	400165	49.721	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	252670	49.746	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	275497	50.203	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	163846	50.587	ug/l	98
56) Ethyl methacrylate	10.43	69	254371	49.205	ug/l	98
57) 1,3-Dichloropropane	10.70	76	280422	48.199	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	643191	245.235	ug/l	99
59) 2-Hexanone	10.75	43	876497	250.185	ug/l	98
60) Dibromochloromethane	10.90	129	168572	48.331	ug/l	98
61) 1,2-Dibromoethane	11.00	107	161425	51.916	ug/l	99
64) Tetrachloroethene	10.63	164	135634	53.079	ug/l	93
65) Chlorobenzene	11.43	112	426500	49.883	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.51	131	161876	54.412	ug/l	98
67) Ethyl Benzene	11.51	91	829566	50.288	ug/l	100
68) m/p-Xylenes	11.62	106	591868	104.169	ug/l	98
69) o-Xylene	11.95	106	289644	51.482	ug/l	98
70) Styrene	11.96	104	500552	51.419	ug/l	98
71) Bromoform	12.13	173	110210	49.604	ug/l	# 99
73) Isopropylbenzene	12.25	105	825262	47.697	ug/l	99
74) N-amyl acetate	12.07	43	378728	43.819	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	237028	45.686	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	204667m	45.541	ug/l	
77) Bromobenzene	12.53	156	190888	50.783	ug/l	90
78) n-propylbenzene	12.59	91	981937	47.768	ug/l	98
79) 2-Chlorotoluene	12.68	91	576918	46.101	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	707454	48.134	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	63312	43.813	ug/l	99
82) 4-Chlorotoluene	12.78	91	605154	46.954	ug/l	97
83) tert-Butylbenzene	12.99	119	586864	47.364	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	713350	48.998	ug/l	99
85) sec-Butylbenzene	13.17	105	819134	47.986	ug/l	99
86) p-Isopropyltoluene	13.29	119	731766	50.582	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	350839	49.927	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	349767	49.757	ug/l	97
89) n-Butylbenzene	13.62	91	691577	48.338	ug/l	99
90) Hexachloroethane	13.88	117	115397	50.908	ug/l	94
91) 1,2-Dichlorobenzene	13.66	146	350381	50.645	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	47412	46.386	ug/l	91

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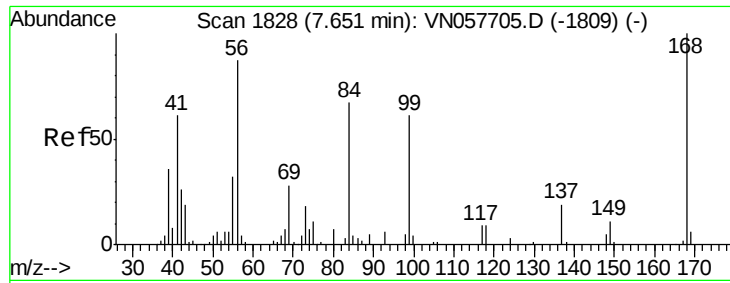
Manual Integrations
APPROVED

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9/10/2019 3:03:08 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	227575	54.984	ug/l	98
94) Hexachlorobutadiene	15.01	225	115804	57.403	ug/l	98
95) Naphthalene	15.13	128	592784	49.368	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	209078	52.701	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN057741.D

Acq: 7 Sep 2019 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 228632

Ion Ratio Lower Upper

168 100

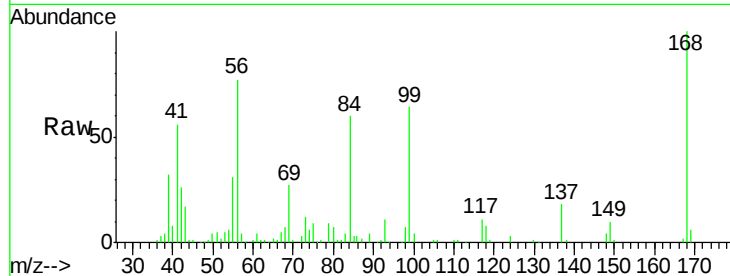
99 63.9 57.4 86.0

Manual Integrations

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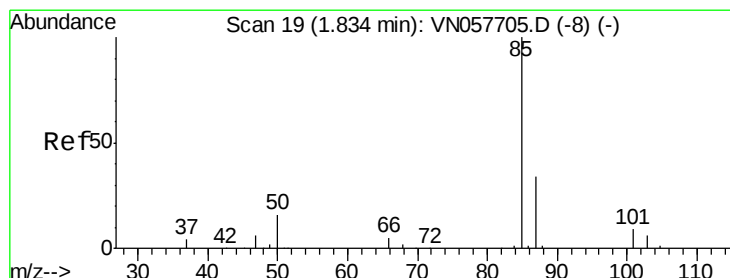
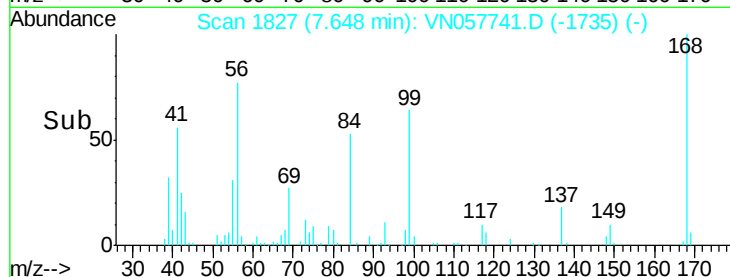
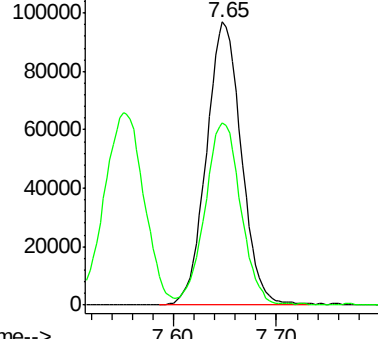
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 43.859 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057741.D

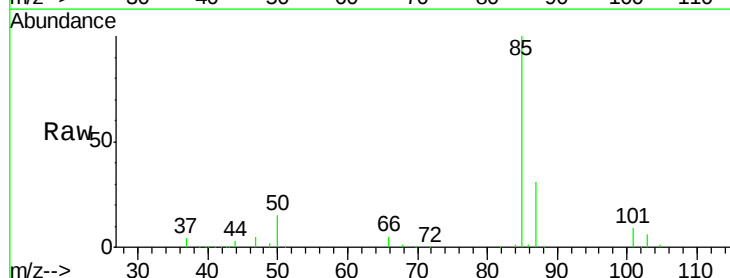
Acq: 7 Sep 2019 10:32

Tgt Ion: 85 Resp: 159241

Ion Ratio Lower Upper

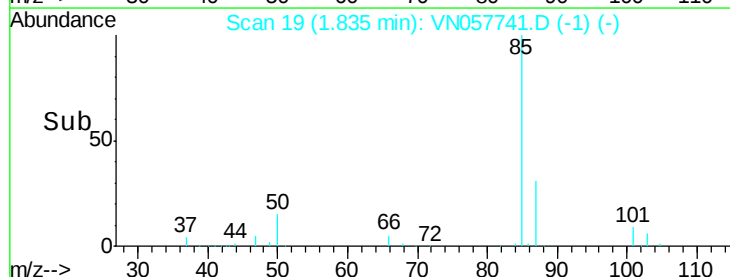
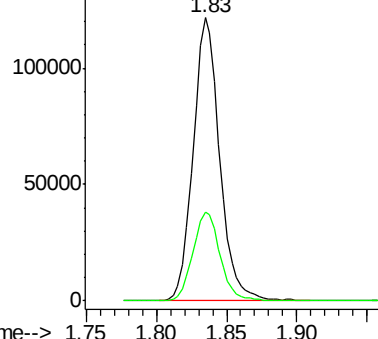
85 100

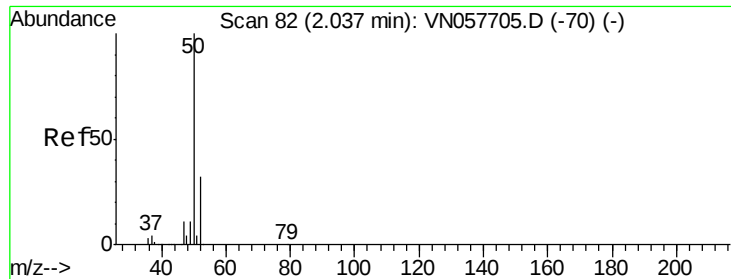
87 31.3 17.0 51.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 34.568 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN057741.D

Acq: 7 Sep 2019 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 150348

Ion Ratio Lower Upper

50 100

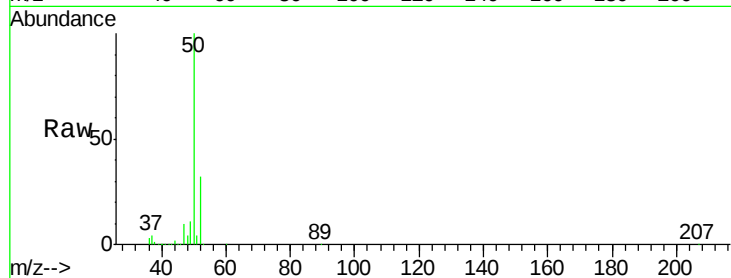
52 31.7 26.0 39.0

Manual Integrations

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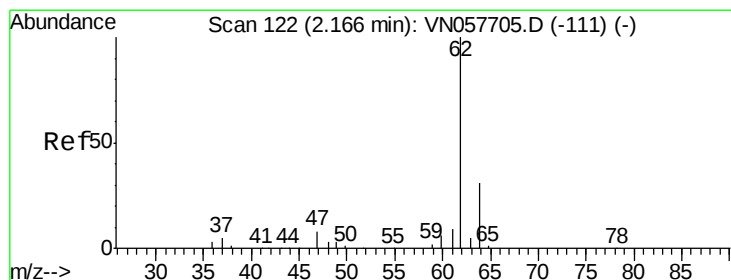
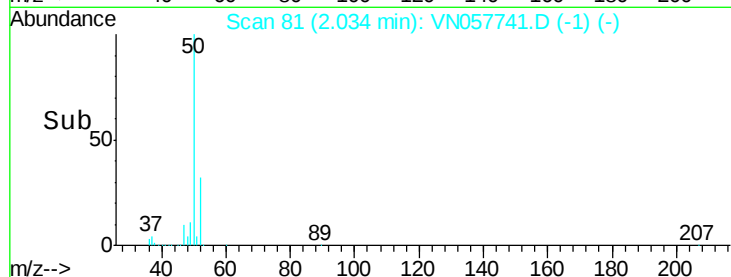
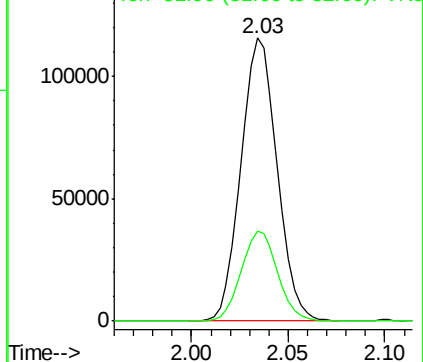
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 41.627 ug/l

RT: 2.16 min Scan# 121

Delta R.T. -0.00 min

Lab File: VN057741.D

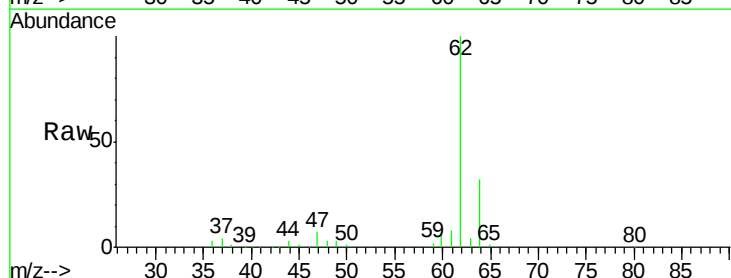
Acq: 7 Sep 2019 10:32

Tgt Ion: 62 Resp: 130888

Ion Ratio Lower Upper

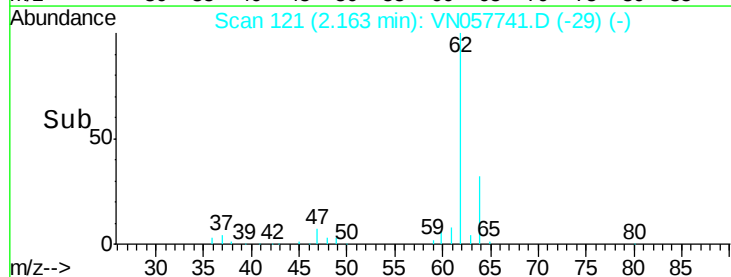
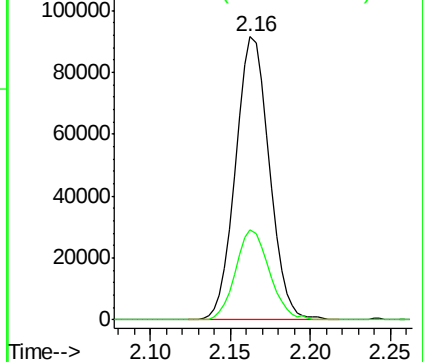
62 100

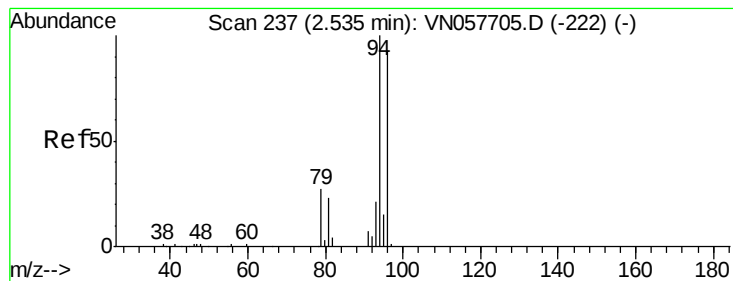
64 31.7 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 51.779 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN057741.D

Acq: 7 Sep 2019 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 74773

Ion Ratio Lower Upper

94 100

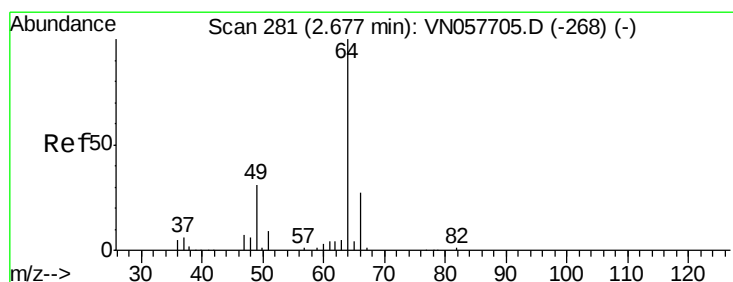
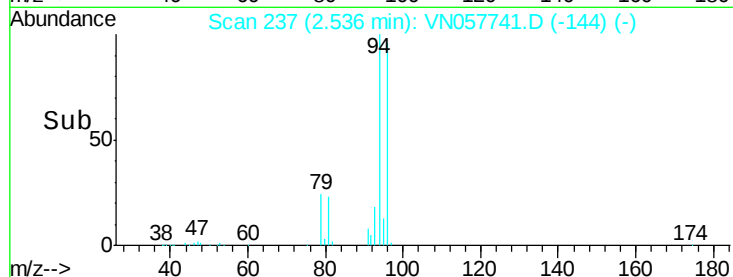
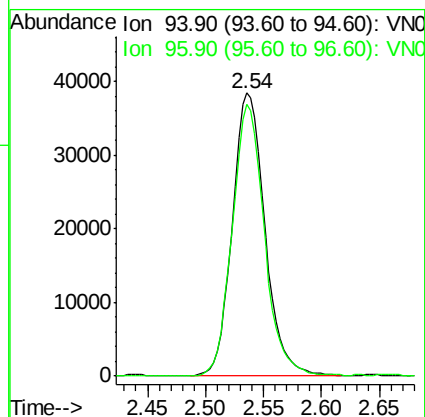
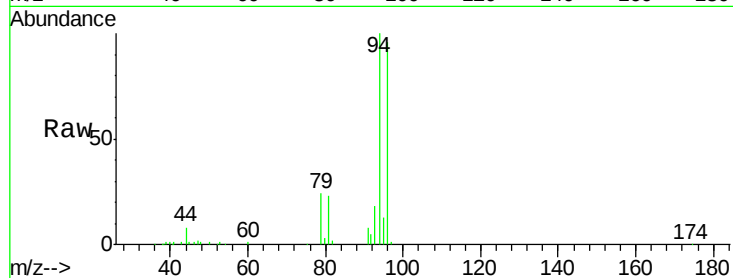
96 96.0 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 41.417 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN057741.D

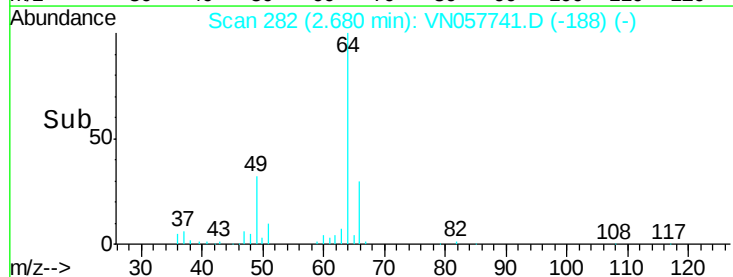
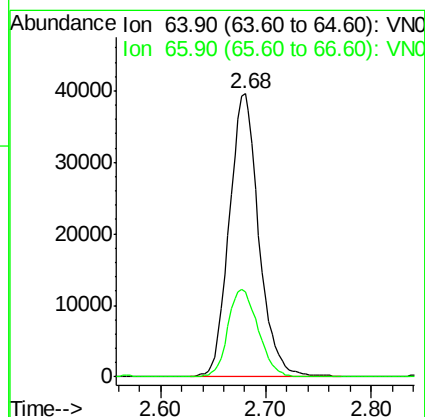
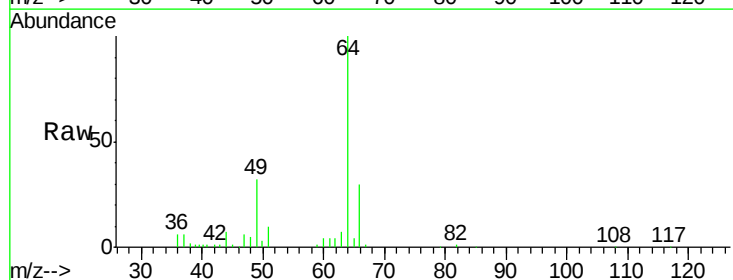
Acq: 7 Sep 2019 10:32

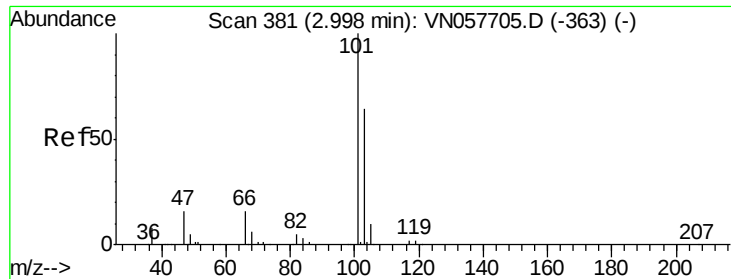
Tgt Ion: 64 Resp: 76882

Ion Ratio Lower Upper

64 100

66 30.2 22.0 33.0





#7

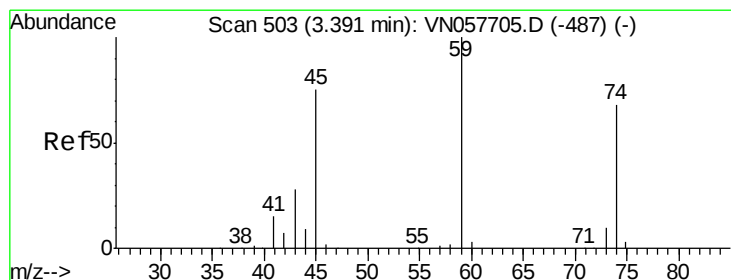
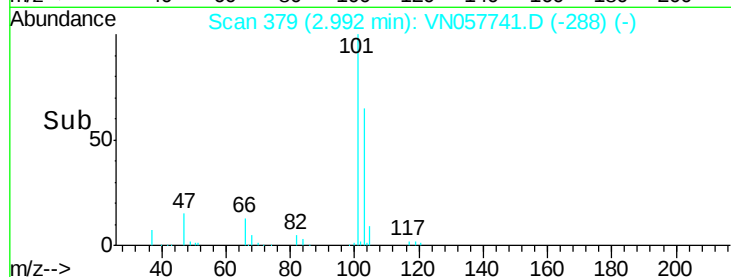
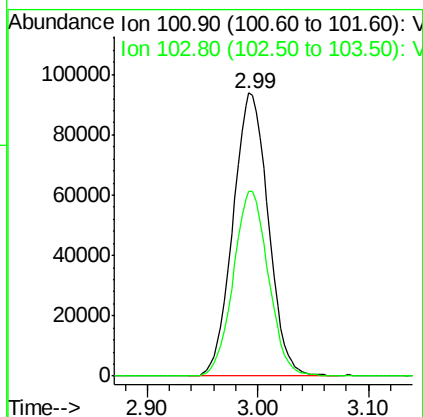
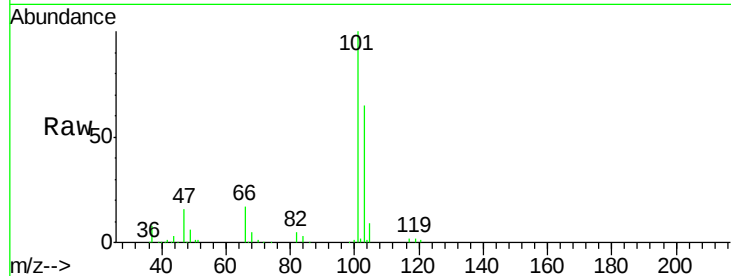
Trichlorofluoromethane
 Concen: 41.220 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. -0.01 min
 Lab File: VN057741.D
 Acq: 7 Sep 2019 10:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.4	77.0

Manual Integrations
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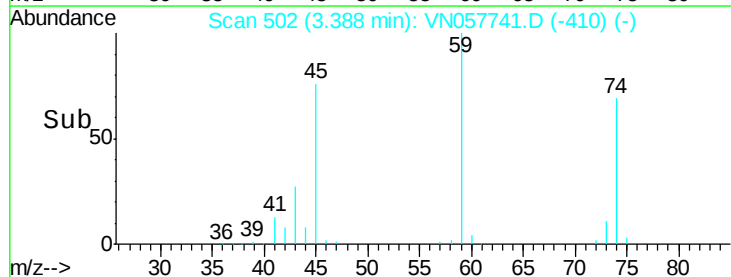
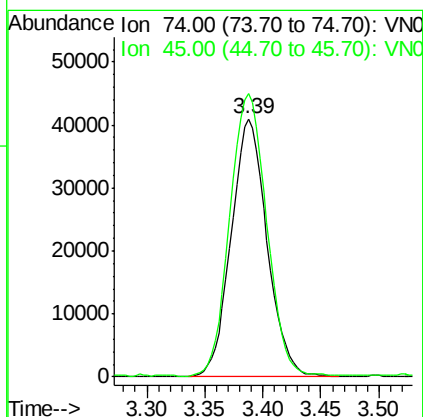
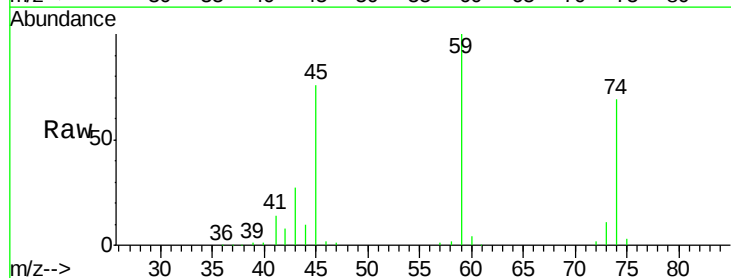
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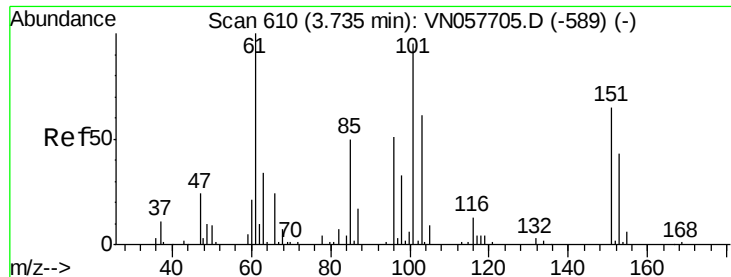


#8

Diethyl Ether
 Concen: 43.547 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN057741.D
 Acq: 7 Sep 2019 10:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	113.3	55.4	166.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.788 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN057741.D

Acq: 7 Sep 2019 10:32

Instrument :

MSVOA_N

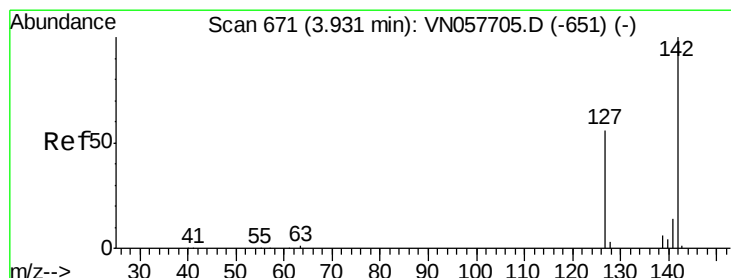
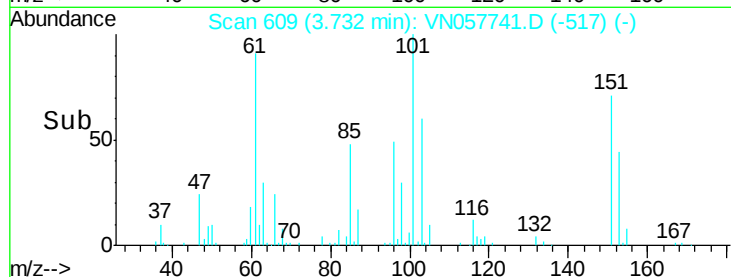
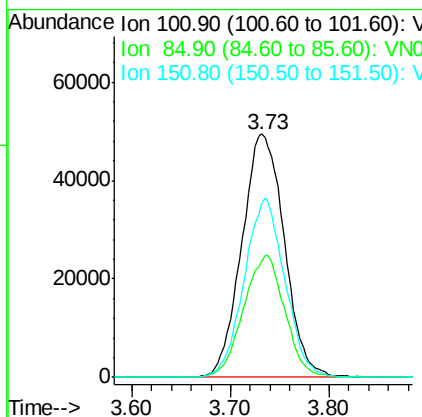
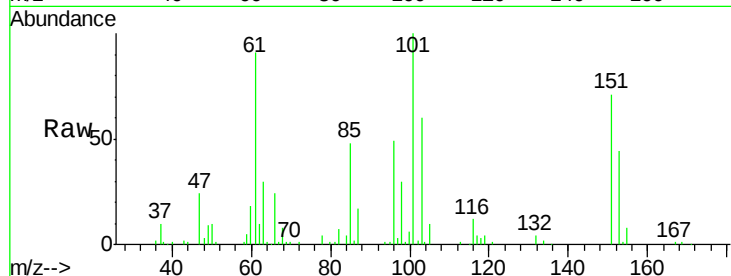
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	147348
Ion Ratio	Lower	Upper	
101	100		
85	48.8	42.8	64.2
151	70.6	55.5	83.3

Manual Integrations
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#10

Methyl Iodide

Concen: 54.211 ug/l

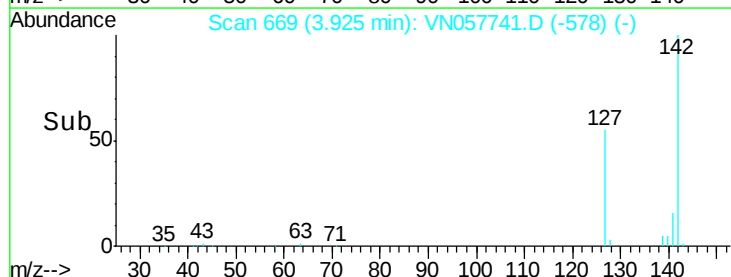
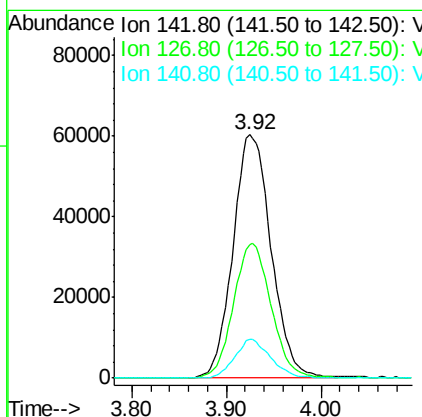
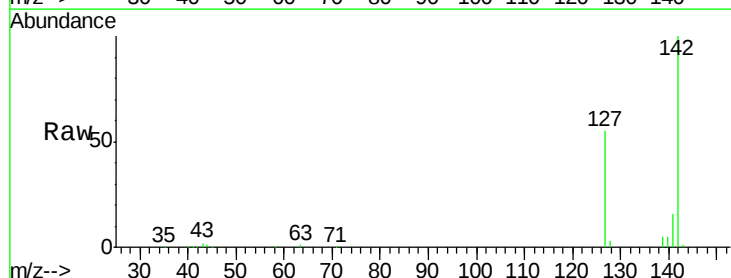
RT: 3.92 min Scan# 669

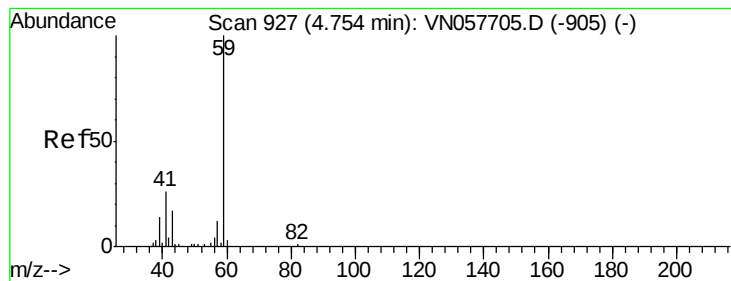
Delta R.T. -0.01 min

Lab File: VN057741.D

Acq: 7 Sep 2019 10:32

Tgt Ion:	142	Resp:	169155
Ion Ratio	Lower	Upper	
142	100		
127	54.4	42.1	63.1
141	14.8	11.0	16.4





#11

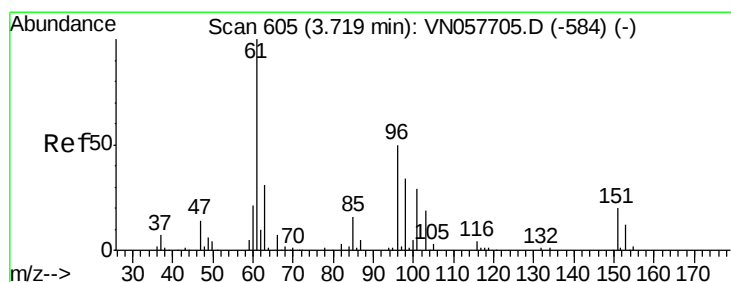
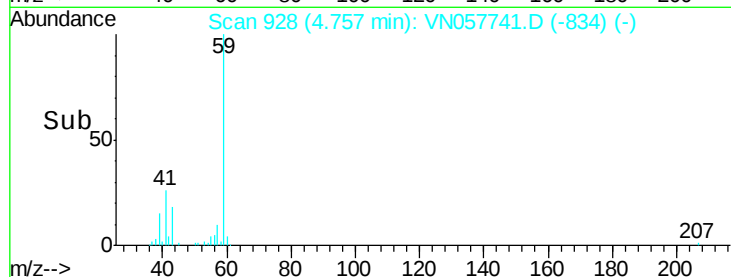
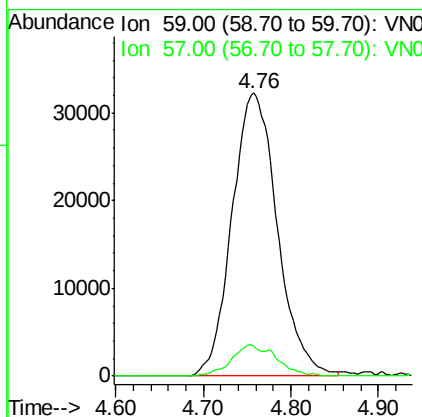
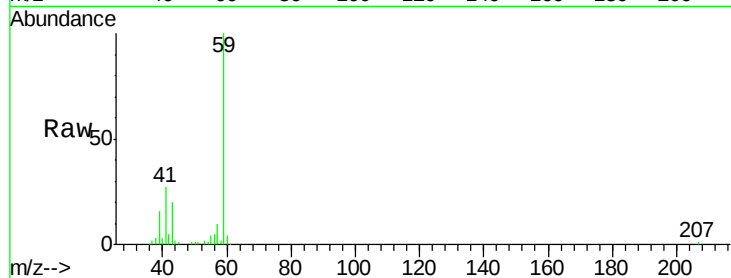
Tert butyl alcohol
 Concen: 183.662 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN057741.D
 Acq: 7 Sep 2019 10:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	116063		
57	7.5	8.9	13.3	

Manual Integrations
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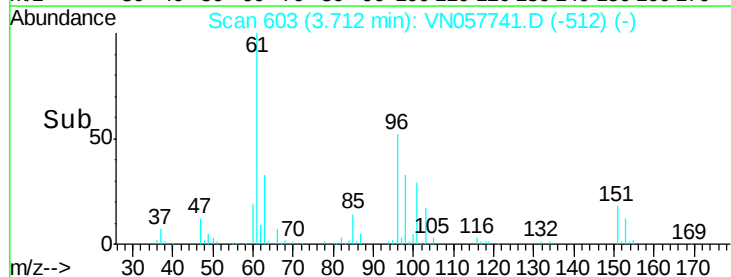
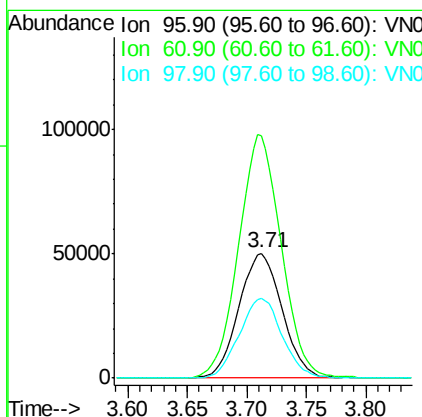
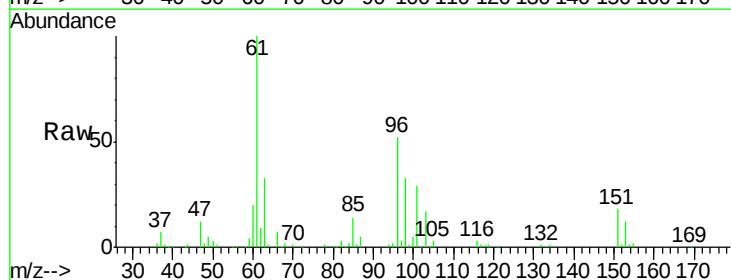
MMDadoda
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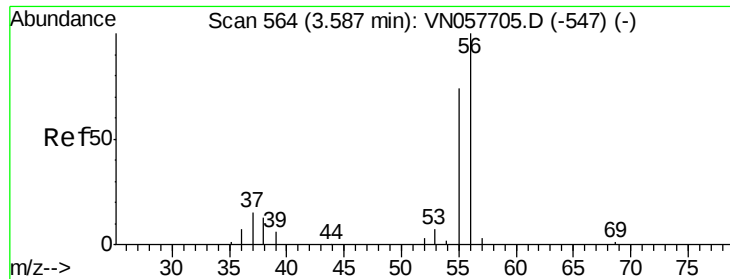


#12

1,1-Dichloroethene
 Concen: 44.577 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: VN057741.D
 Acq: 7 Sep 2019 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	126309		
61	194.1	158.7	238.1	
98	63.6	53.8	80.8	





#13

Acrolein

Concen: 202.271 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057741.D

Acq: 7 Sep 2019 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 60789

Ion Ratio Lower Upper

56 100

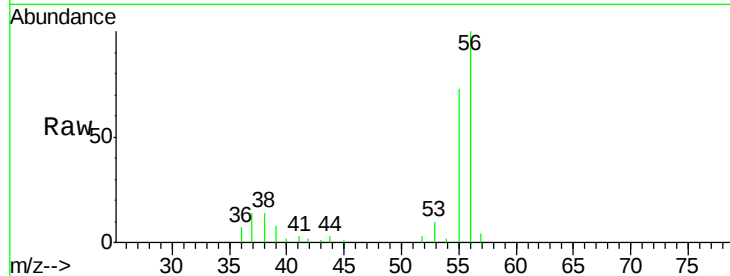
55 68.8 55.4 83.0

Manual Integrations

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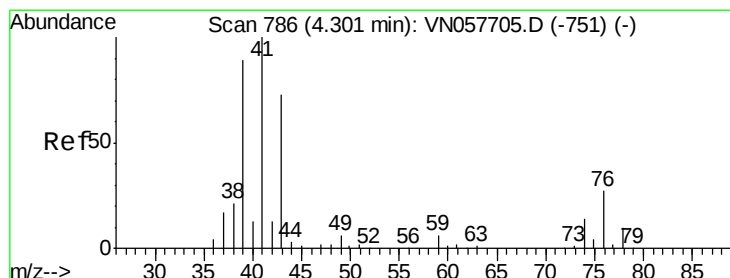
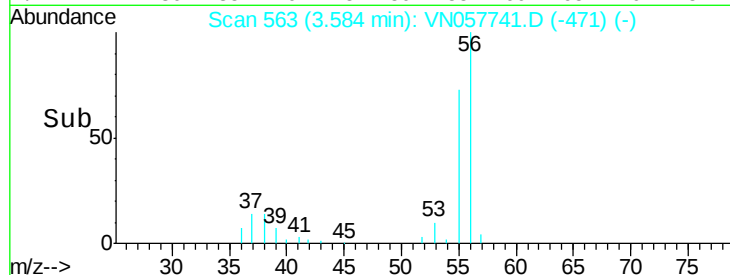
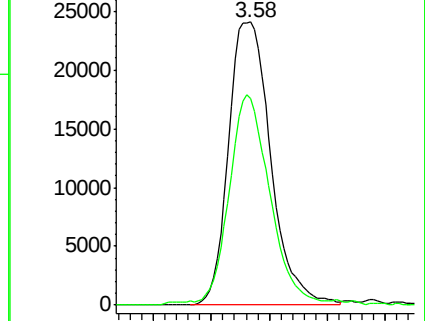
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 42.152 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.01 min

Lab File: VN057741.D

Acq: 7 Sep 2019 10:32

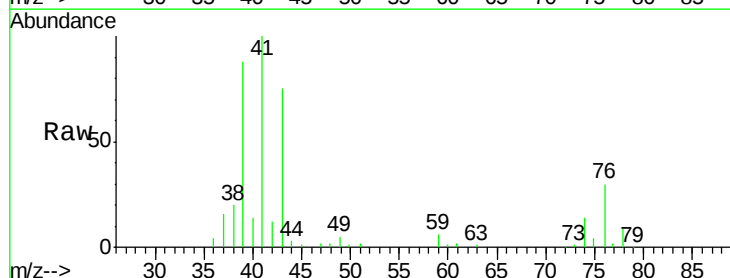
Tgt Ion: 41 Resp: 272939

Ion Ratio Lower Upper

41 100

39 82.8 67.5 101.3

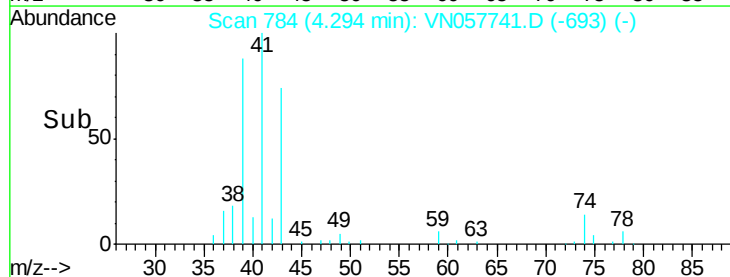
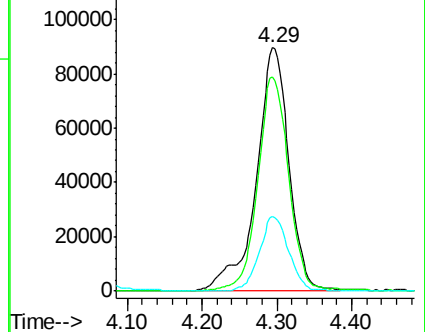
76 27.6 21.4 32.2

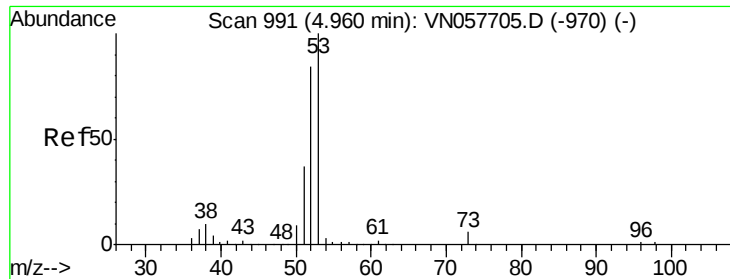


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 218.191 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN057741.D

Acq: 7 Sep 2019 10:32

Instrument :

MSVOA_N

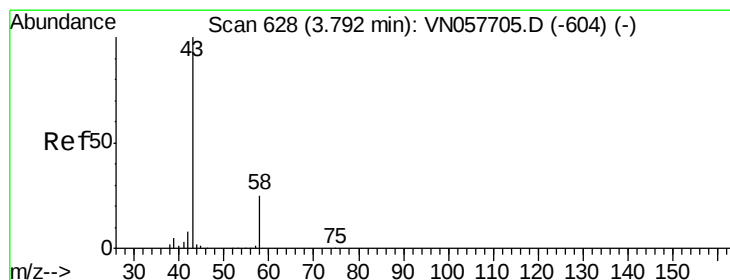
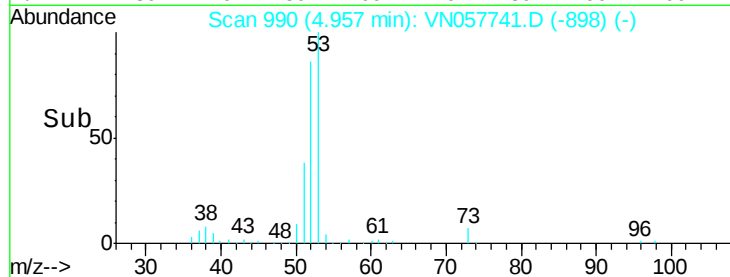
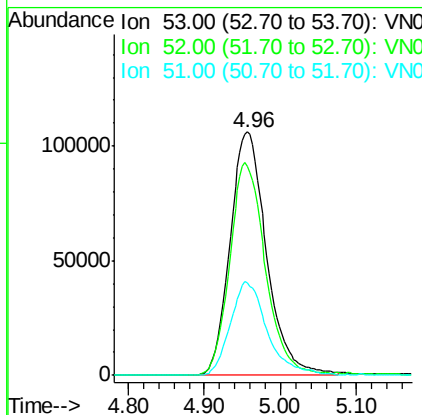
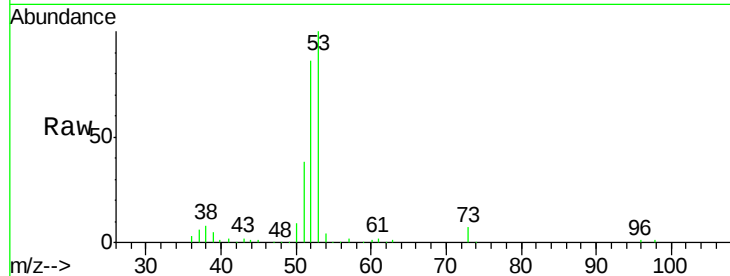
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	354491
Ion Ratio	Lower	Upper	
53	100		
52	85.2	68.1	102.1
51	38.9	30.4	45.6

Manual Integrations
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#16

Acetone

Concen: 235.542 ug/l

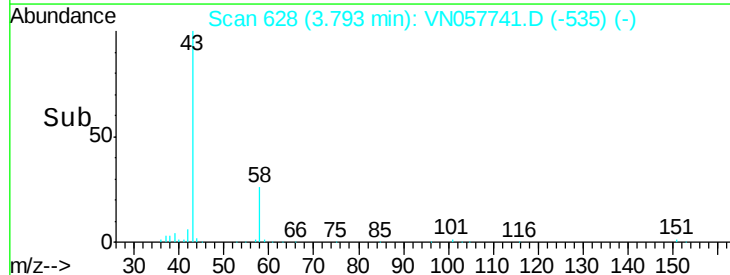
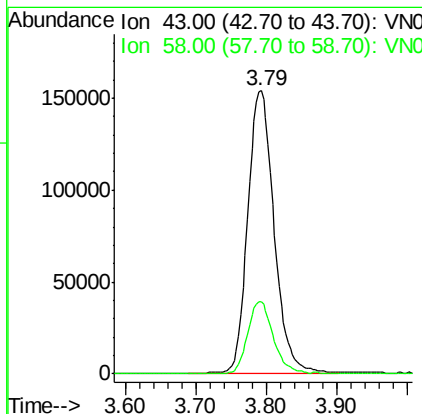
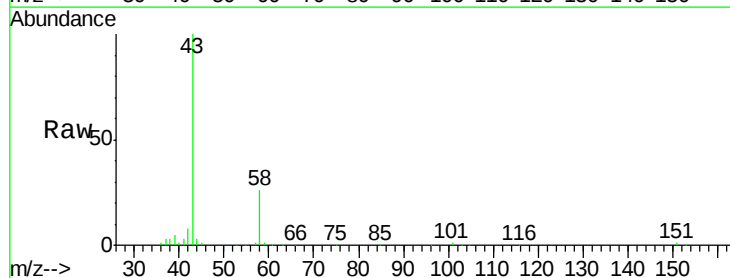
RT: 3.79 min Scan# 628

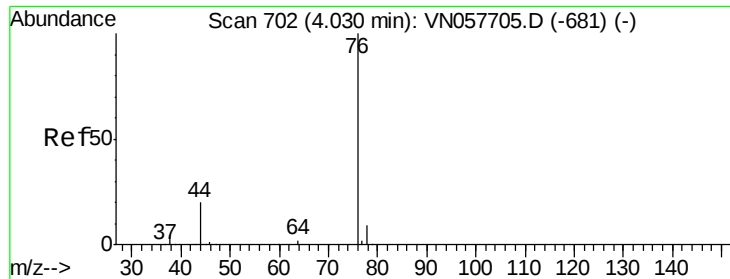
Delta R.T. 0.00 min

Lab File: VN057741.D

Acq: 7 Sep 2019 10:32

Tgt Ion:	43	Resp:	403156
Ion Ratio	Lower	Upper	
43	100		
58	25.7	19.8	29.8





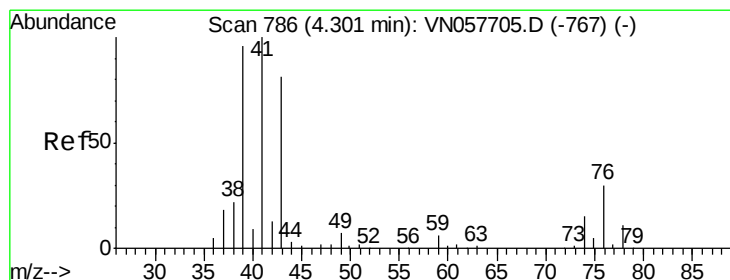
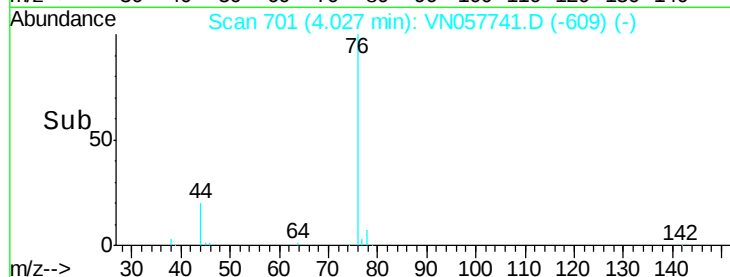
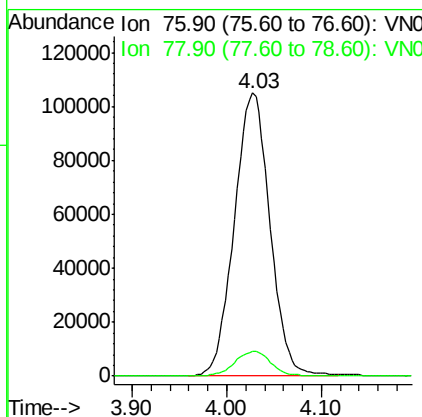
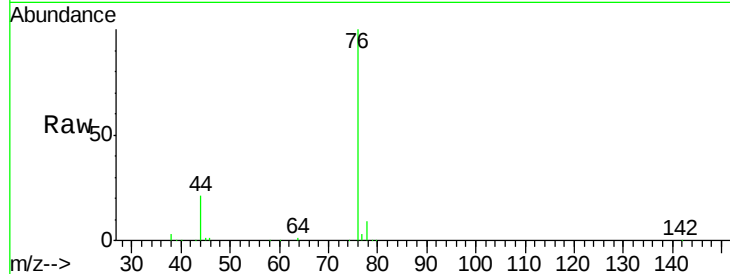
#17
Carbon Disulfide
Concen: 42.891 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN057741.D
Acq: 7 Sep 2019 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 275352
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.6

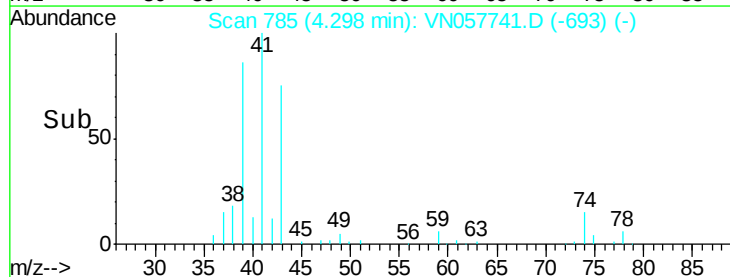
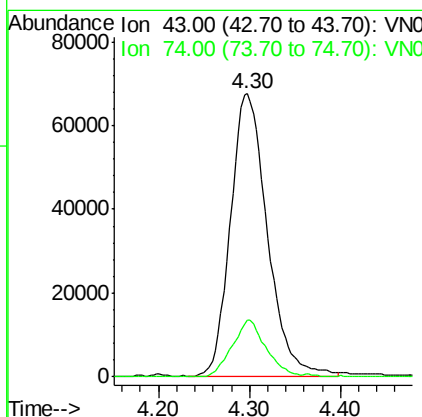
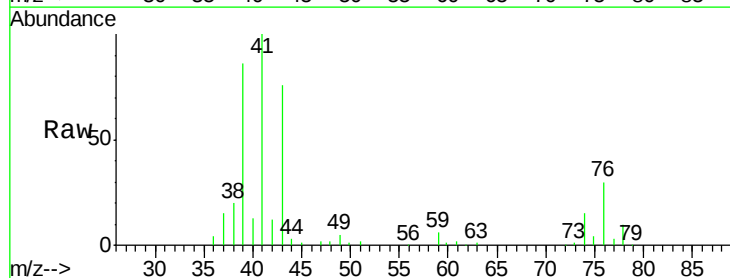
Manual Integrations
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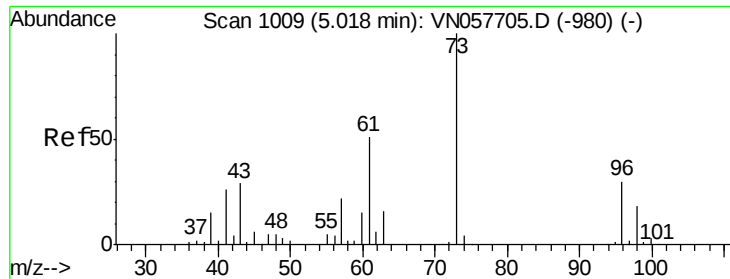
MMDadoda
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#18
Methyl Acetate
Concen: 41.121 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN057741.D
Acq: 7 Sep 2019 10:32

Tgt Ion: 43 Resp: 191398
Ion Ratio Lower Upper
43 100
74 18.4 15.3 22.9





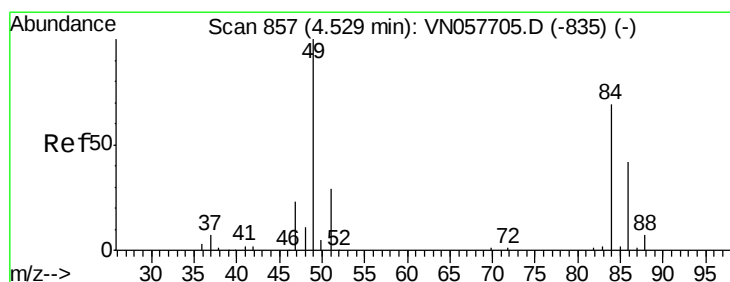
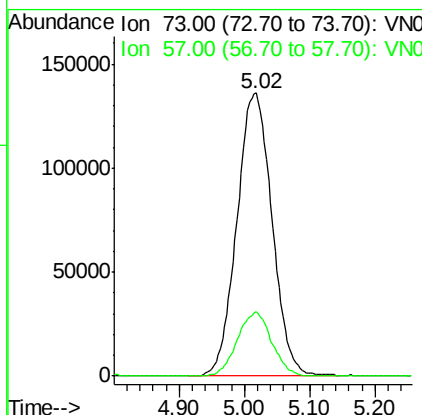
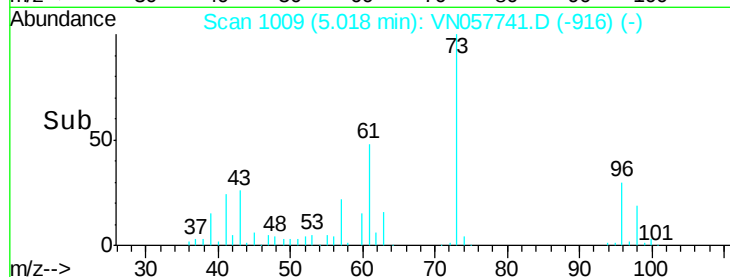
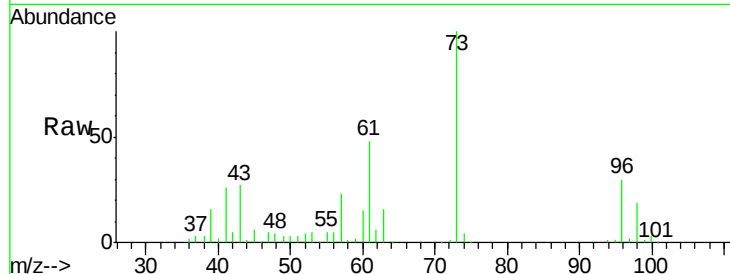
#19
Methvl tert-butvl Ether
Concen: 42.856 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN057741.D
Acq: 7 Sep 2019 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 509808
Ion Ratio Lower Upper
73 100
57 22.7 17.7 26.5

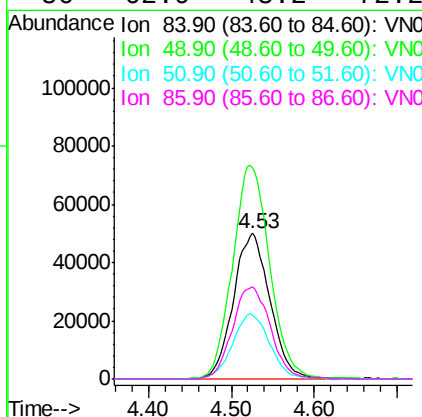
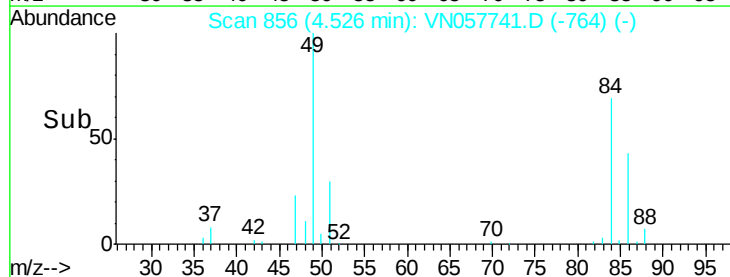
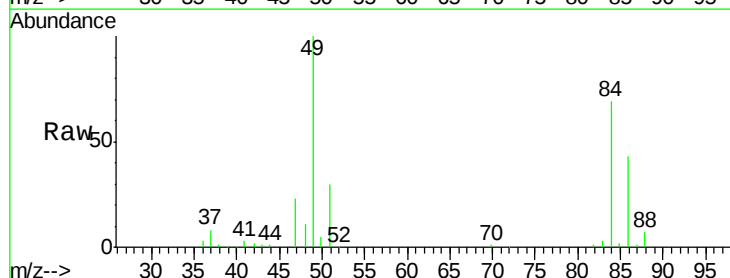
Manual Integrations
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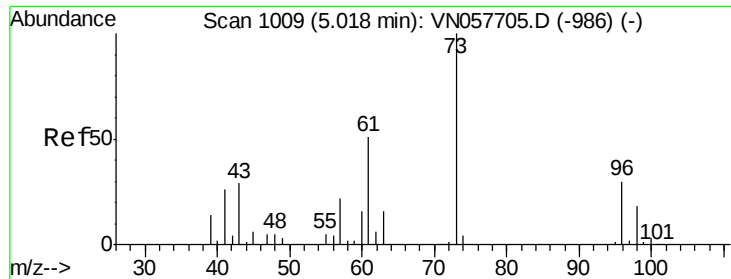
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#20
Methylene Chloride
Concen: 41.582 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN057741.D
Acq: 7 Sep 2019 10:32

Tgt Ion: 84 Resp: 153888
Ion Ratio Lower Upper
84 100
49 145.0 115.0 172.6
51 44.2 33.8 50.8
86 62.9 48.2 72.2





#21

trans-1,2-Dichloroethene

Concen: 45.493 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: VN057741.D

Acq: 7 Sep 2019 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 135642

Ion Ratio Lower Upper

96 100

61 157.4 135.8 203.8

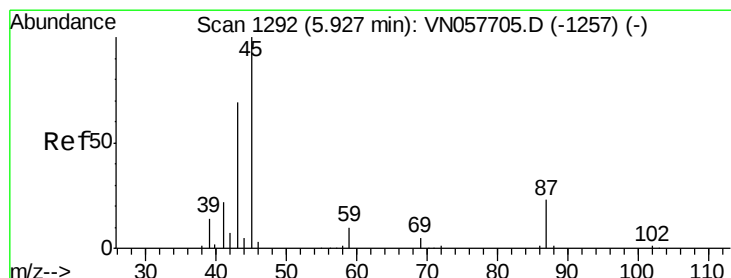
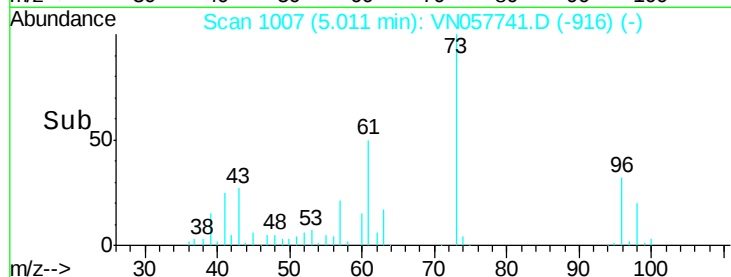
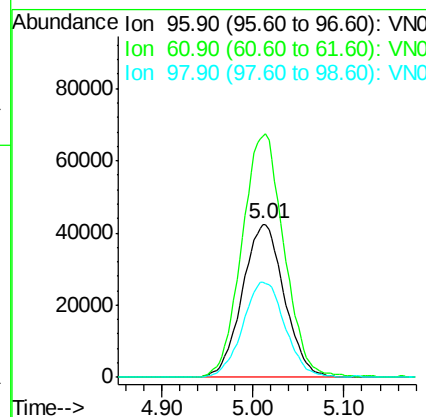
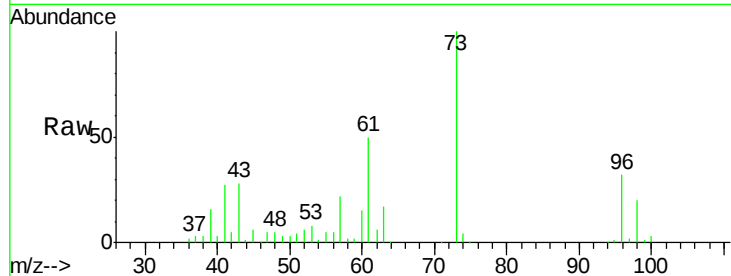
98 62.0 49.0 73.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 44.019 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. -0.00 min

Lab File: VN057741.D

Acq: 7 Sep 2019 10:32

Tgt Ion: 45 Resp: 602945

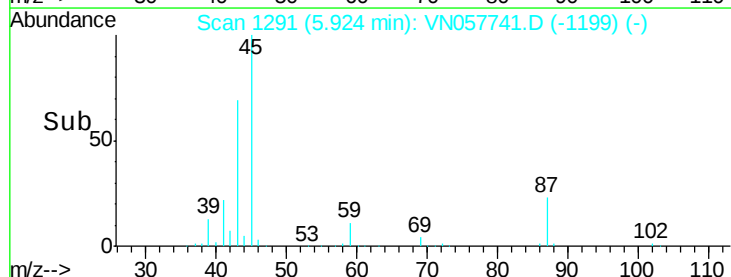
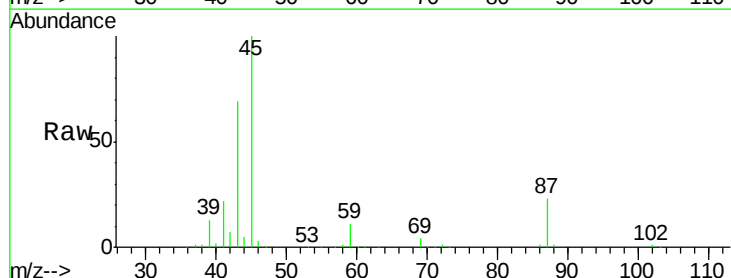
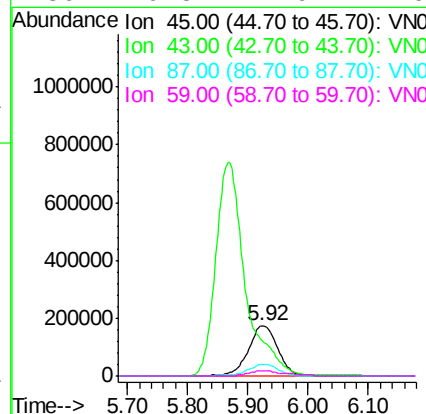
Ion Ratio Lower Upper

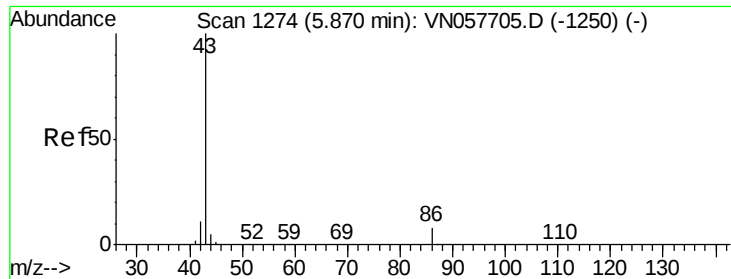
45 100

43 67.8 55.5 83.3

87 22.7 18.6 28.0

59 10.8 7.9 11.9





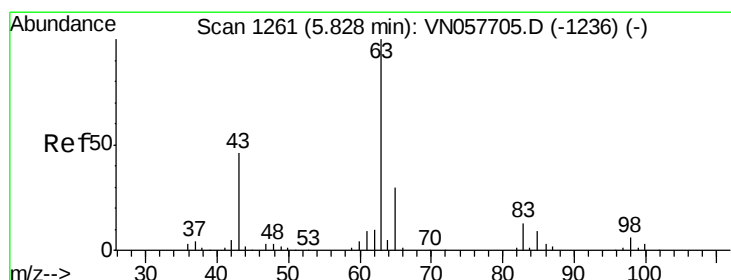
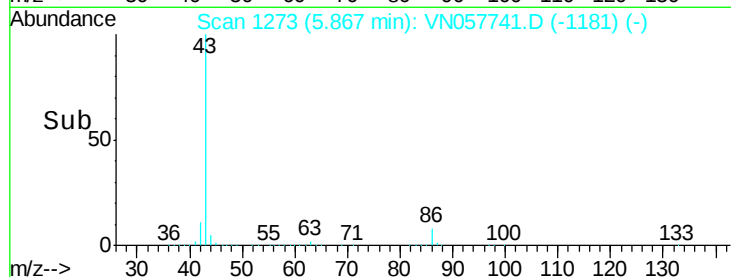
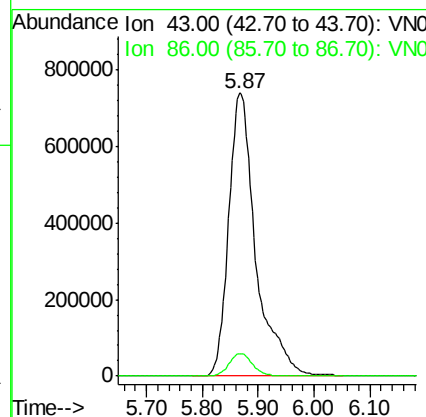
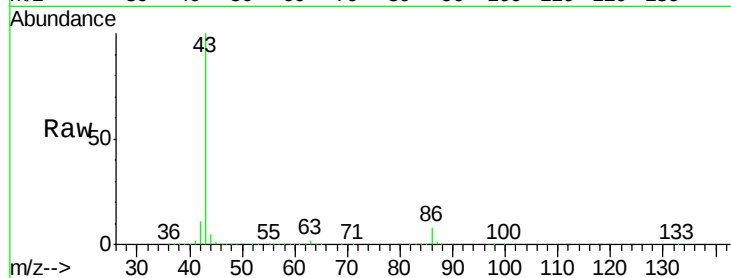
#23
 Vinyl Acetate
 Concen: 225.808 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VN057741.D
 Acq: 7 Sep 2019 10:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2503475
 Ion Ratio Lower Upper
 43 100
 86 8.1 6.2 9.4

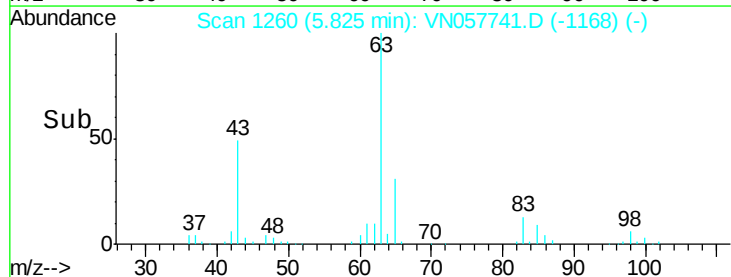
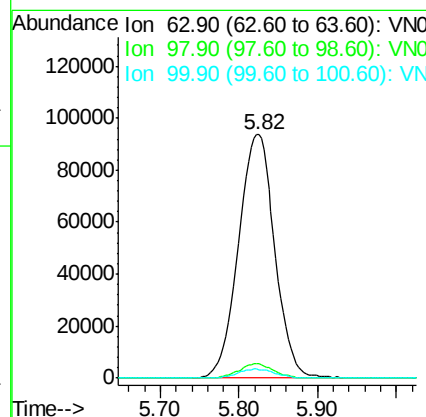
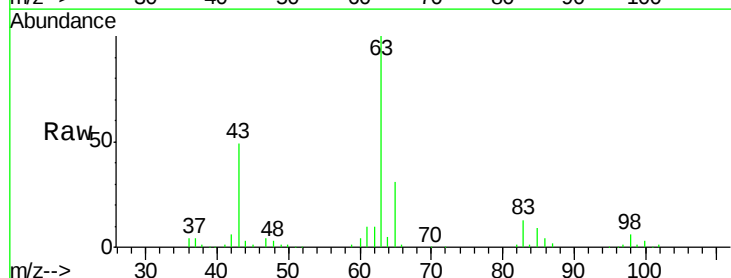
Manual Integrations
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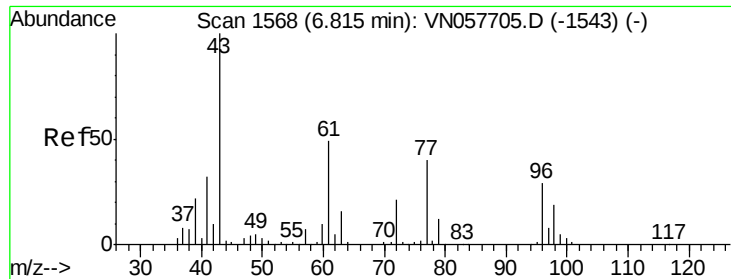
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 43.025 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN057741.D
 Acq: 7 Sep 2019 10:32

Tgt Ion: 63 Resp: 302176
 Ion Ratio Lower Upper
 63 100
 98 6.0 2.9 8.8
 100 3.4 1.7 5.0





#25

2-Butanone

Concen: 222.884 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN057741.D

Acq: 7 Sep 2019 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 546324

Ion Ratio Lower Upper

43 100

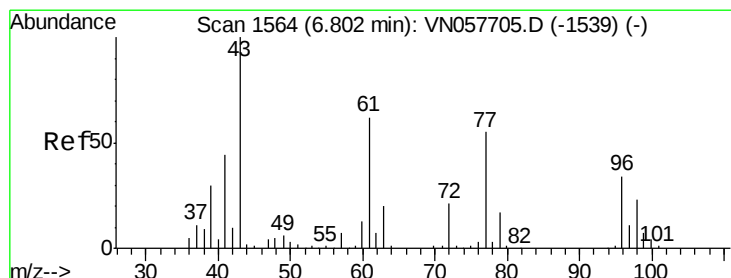
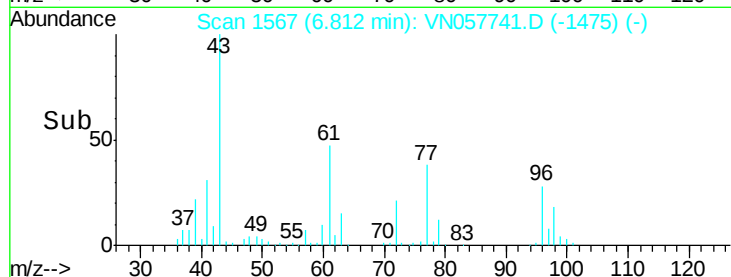
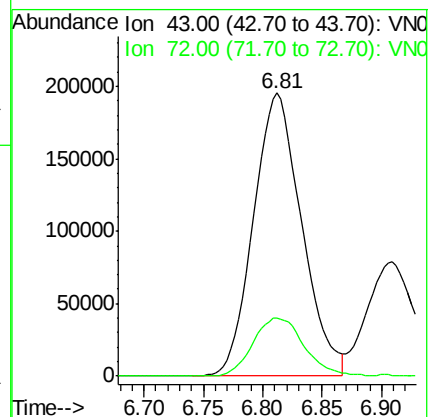
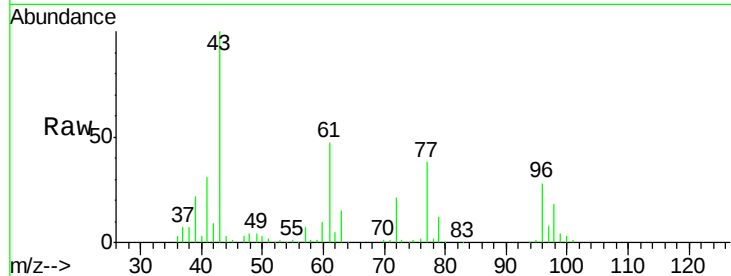
72 20.8 17.0 25.6

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 45.972 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN057741.D

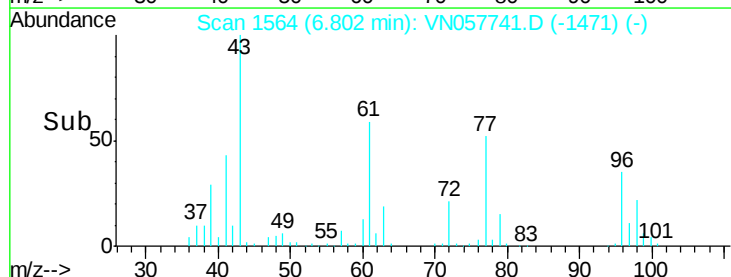
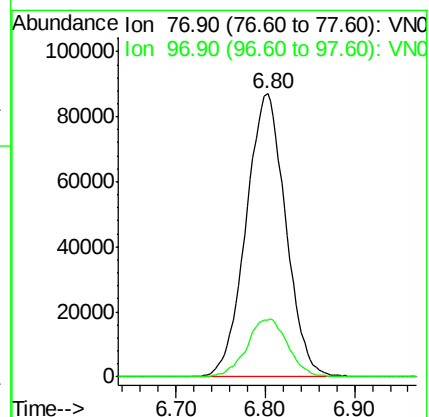
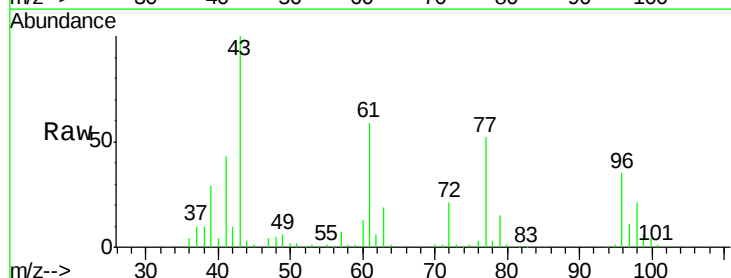
Acq: 7 Sep 2019 10:32

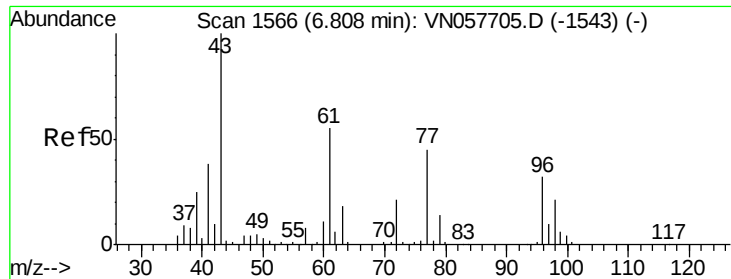
Tgt Ion: 77 Resp: 269358

Ion Ratio Lower Upper

77 100

97 21.1 10.1 30.1





#27

cis-1,2-Dichloroethene

Concen: 46.107 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN057741.D

Acq: 7 Sep 2019 10:32

Instrument :

MSVOA_N

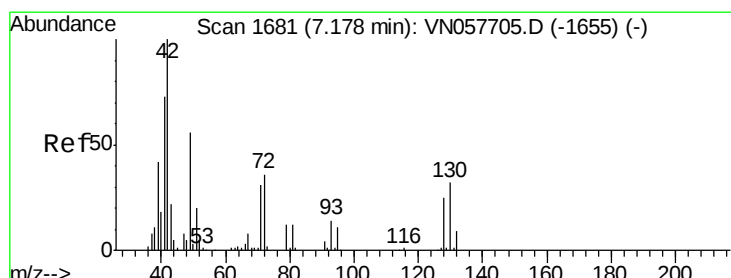
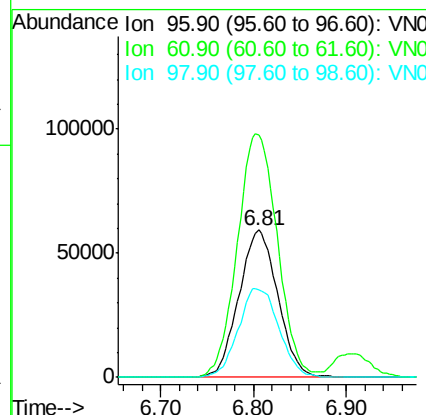
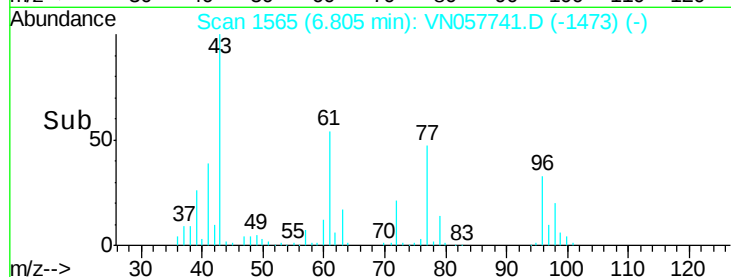
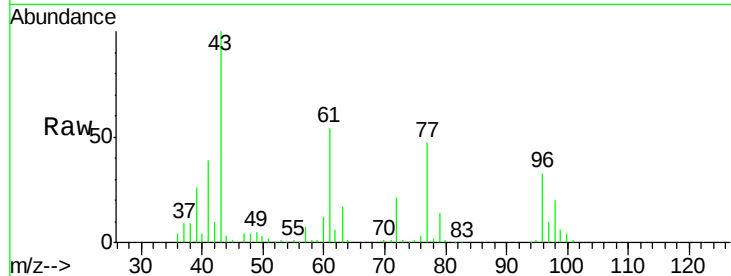
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	172556
Ion Ratio	Lower	Upper	
96	100		
61	169.8	0.0	360.6
98	63.3	0.0	130.6

Manual Integrations
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#28

Bromochloromethane

Concen: 44.519 ug/l

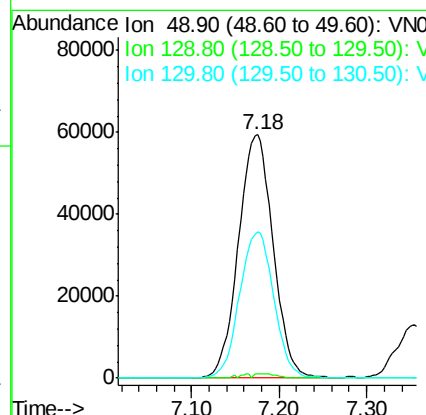
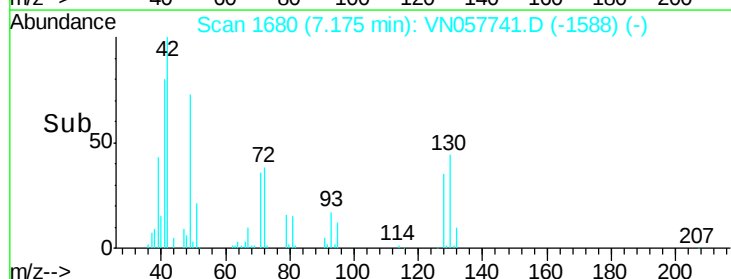
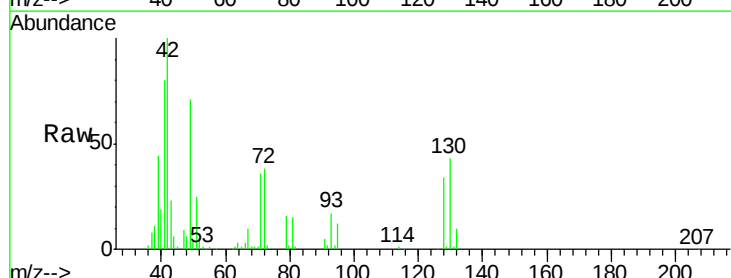
RT: 7.18 min Scan# 1680

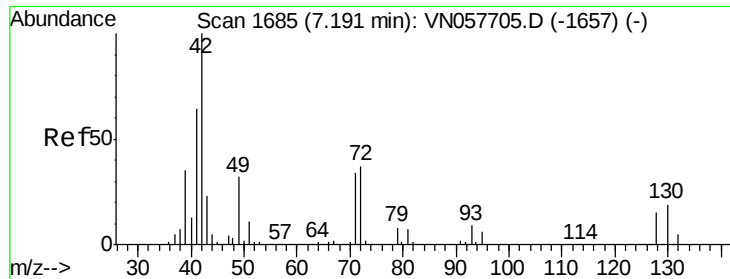
Delta R.T. -0.00 min

Lab File: VN057741.D

Acq: 7 Sep 2019 10:32

Tgt Ion:	49	Resp:	163594
Ion Ratio	Lower	Upper	
49	100		
129	0.4	0.0	2.4
130	59.3	45.8	68.8





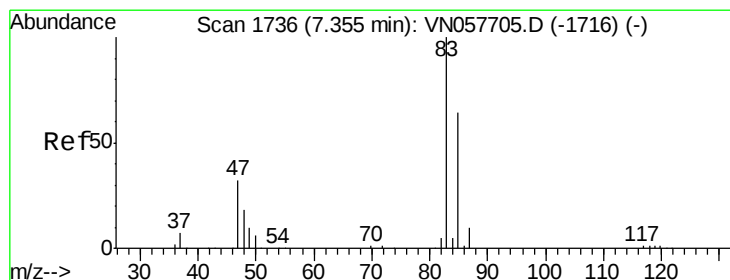
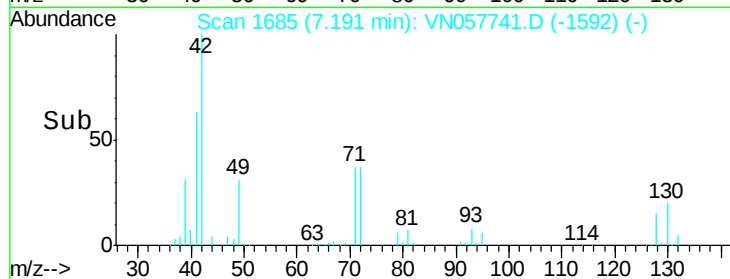
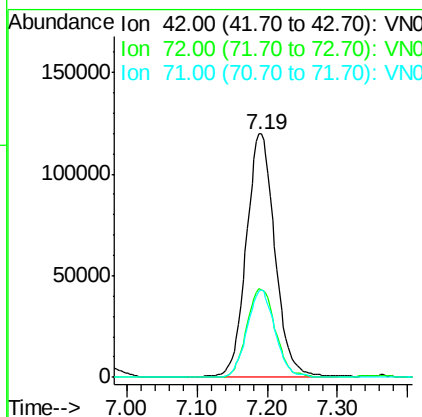
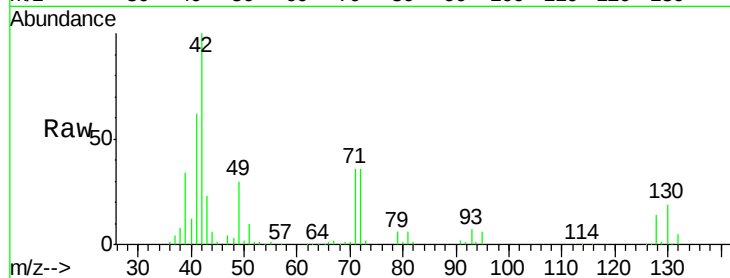
#29
Tetrahydrofuran
Concen: 213.312 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN057741.D
Acq: 7 Sep 2019 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.6	29.2	43.8
71	35.2	27.0	40.4

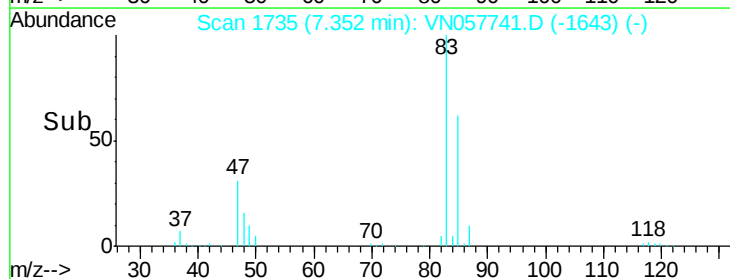
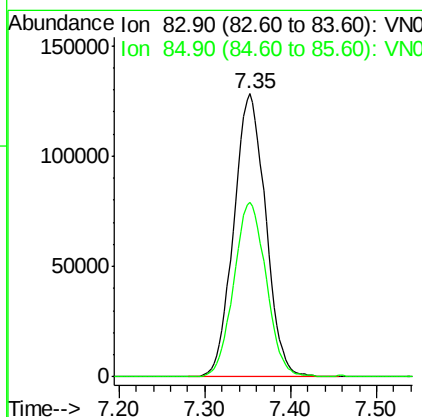
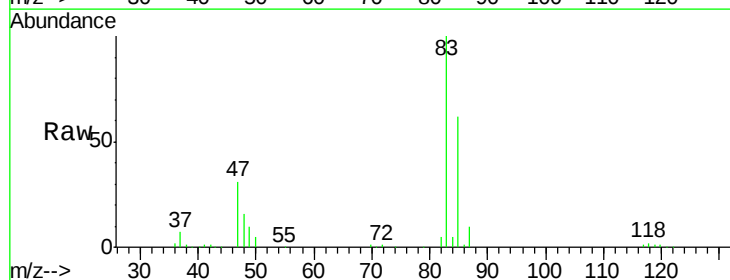
Manual Integrations
APPROVED

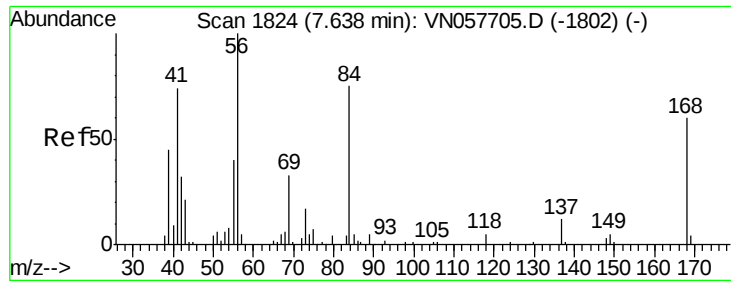
MMDadoda
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#30
Chloroform
Concen: 45.167 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN057741.D
Acq: 7 Sep 2019 10:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.8	51.3	76.9





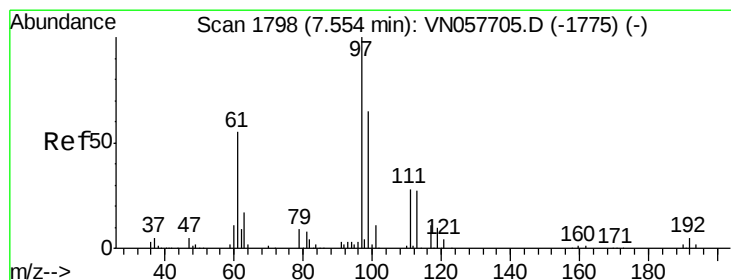
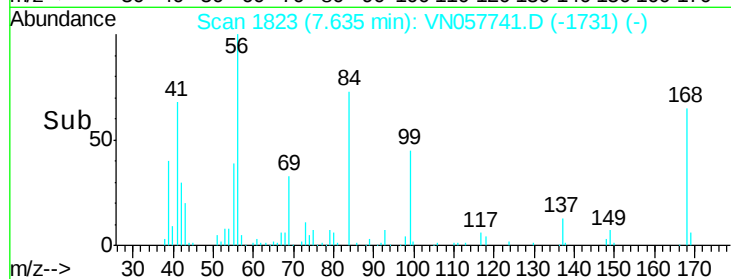
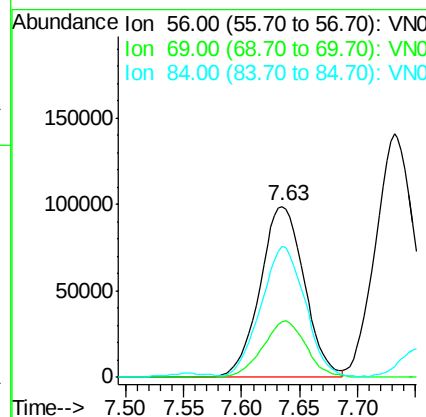
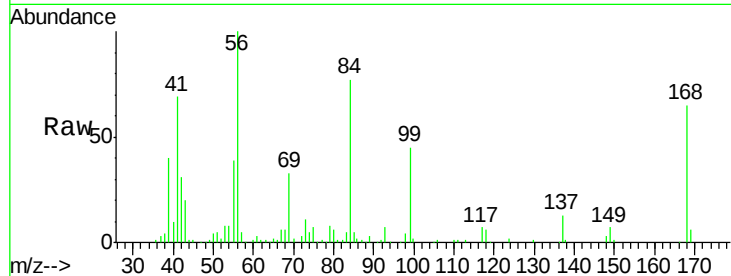
#31
Cyclohexane
Concen: 42.003 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN057741.D
Acq: 7 Sep 2019 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.6	26.2	39.2
84	75.0	59.8	89.8

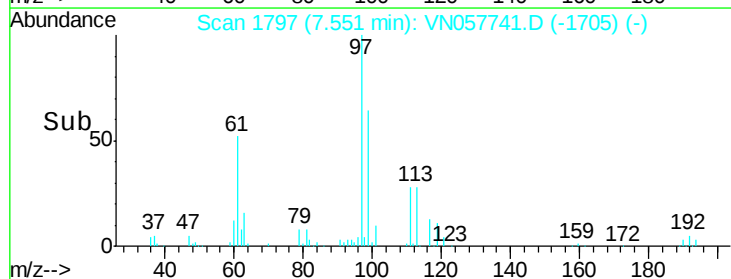
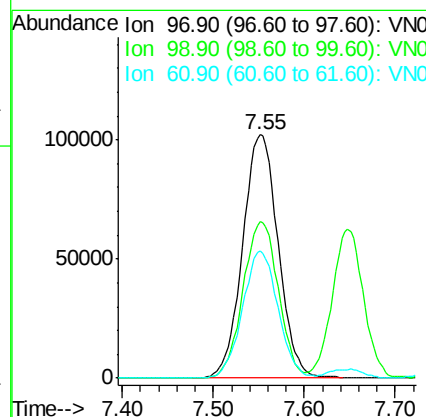
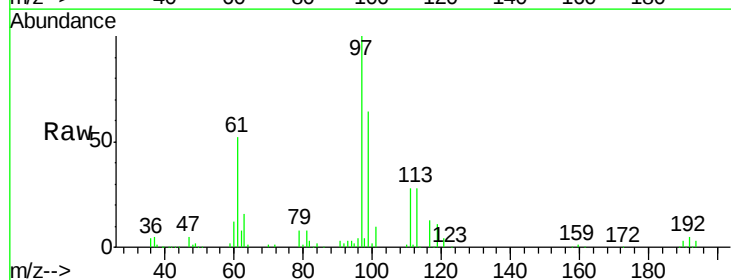
Manual Integrations
APPROVED

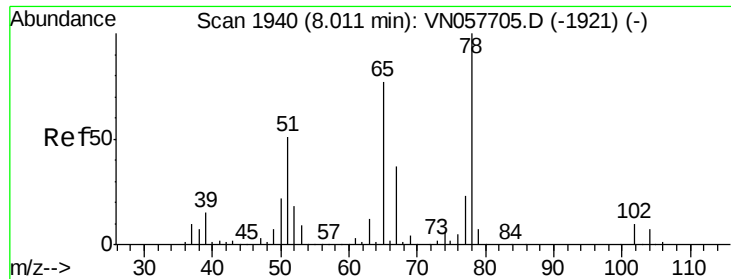
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#32
1,1,1-Trichloroethane
Concen: 45.494 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. -0.00 min
Lab File: VN057741.D
Acq: 7 Sep 2019 10:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.2	76.8
61	52.1	42.8	64.2





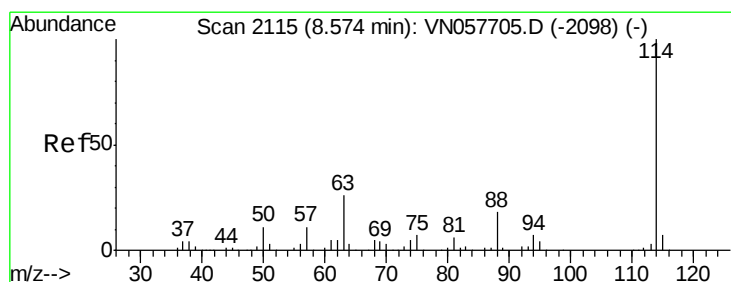
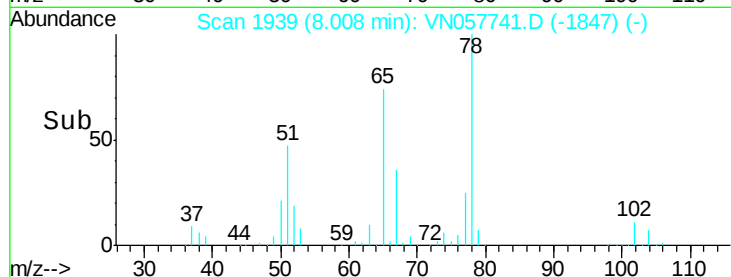
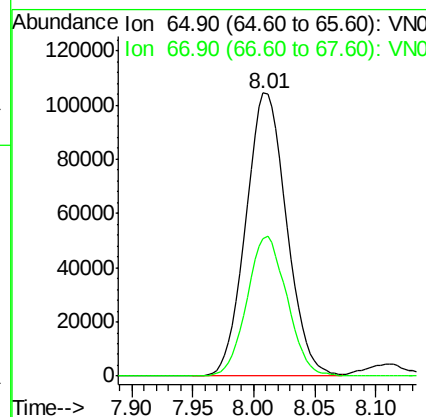
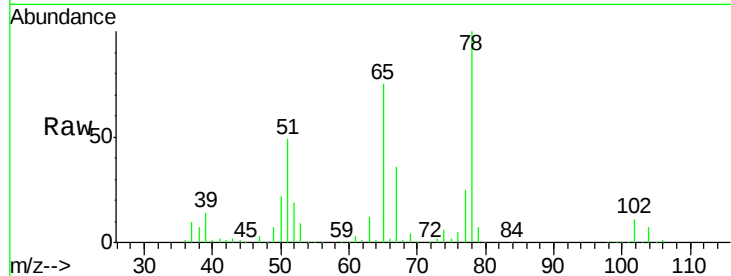
#33
 1,2-Dichloroethane-d4
 Concen: 43.401 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN057741.D
 Acq: 7 Sep 2019 10:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	241393		
67	48.5	0.0	98.2	

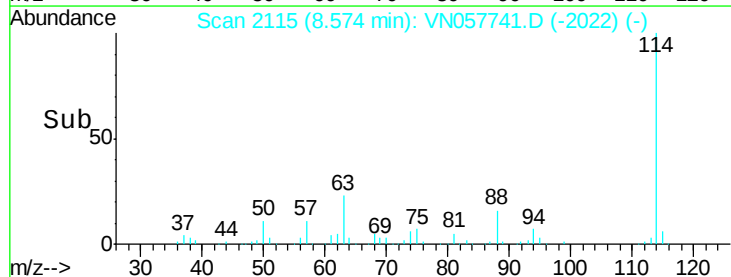
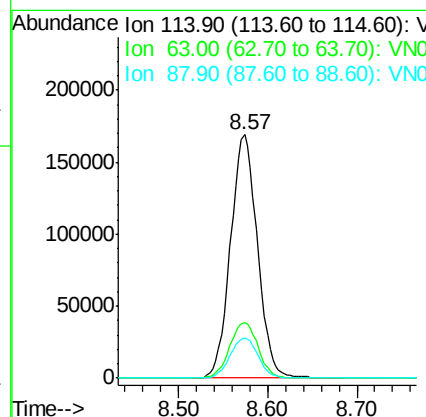
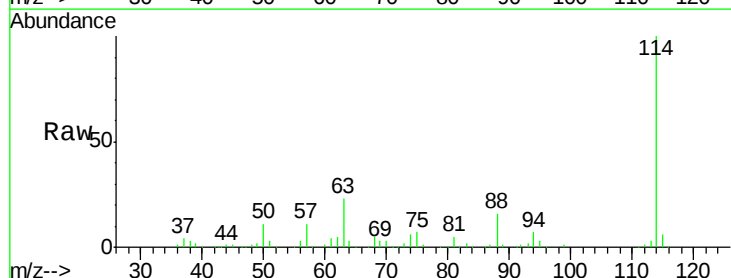
Manual Integrations
 APPROVED

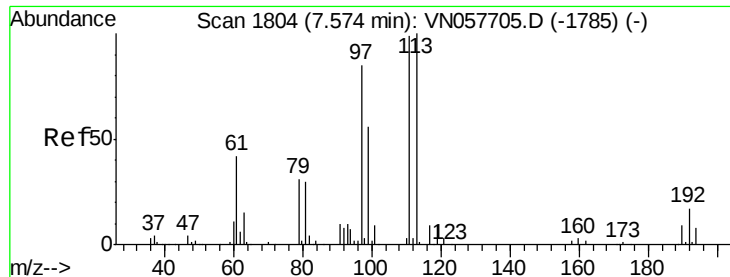
MMDadoda
 9/10/2019 3:03:08 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057741.D
 Acq: 7 Sep 2019 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	352890		
63	22.9	0.0	52.4	
88	16.2	0.0	35.4	





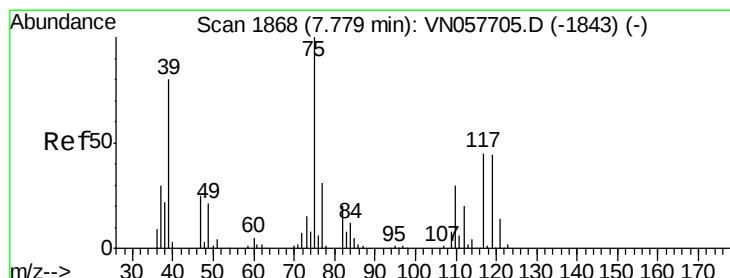
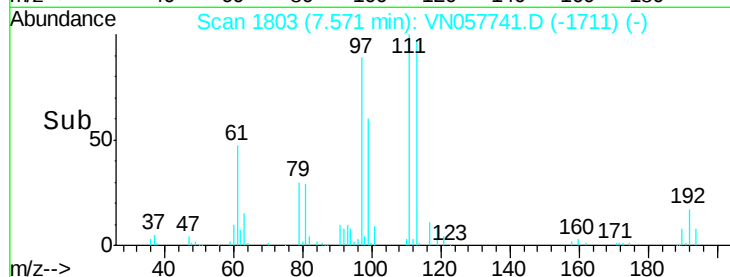
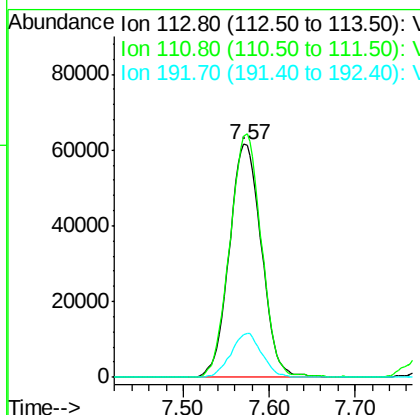
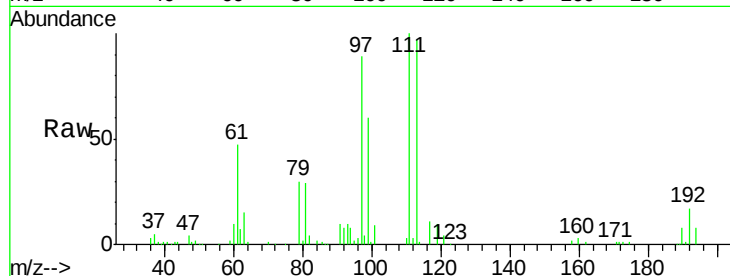
#35
Dibromofluoromethane
Concen: 49.660 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN057741.D
Acq: 7 Sep 2019 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.7	124.1
192	18.1	13.8	20.6

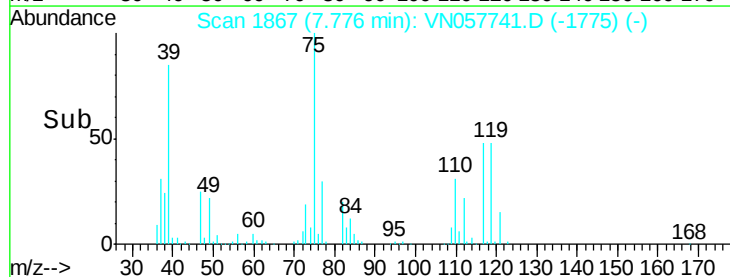
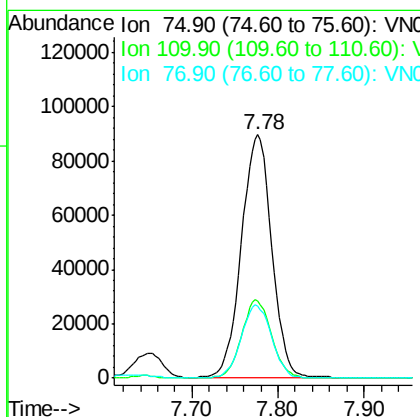
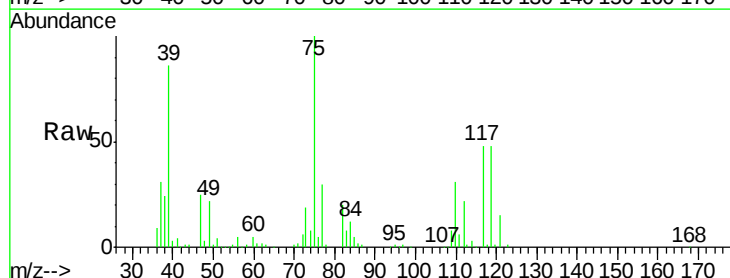
Manual Integrations
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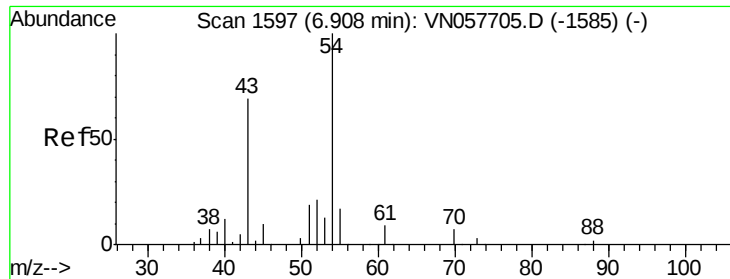
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#36
1,1-Dichloropropene
Concen: 46.758 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN057741.D
Acq: 7 Sep 2019 10:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.7	15.0	45.0
77	30.5	24.6	37.0





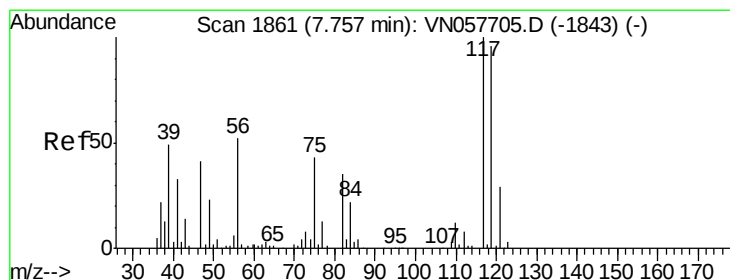
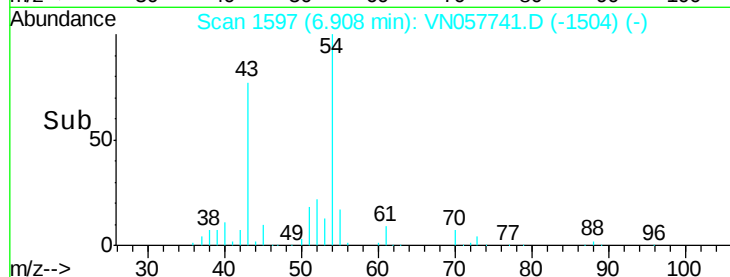
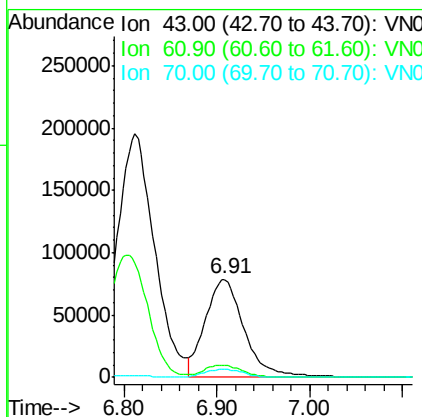
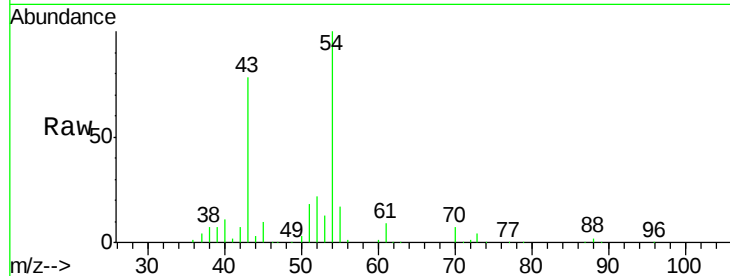
#37
Ethyl Acetate
Concen: 48.014 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN057741.D
Acq: 7 Sep 2019 10:32

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	11.5	9.8	14.8	
70	8.7	6.7	10.1	

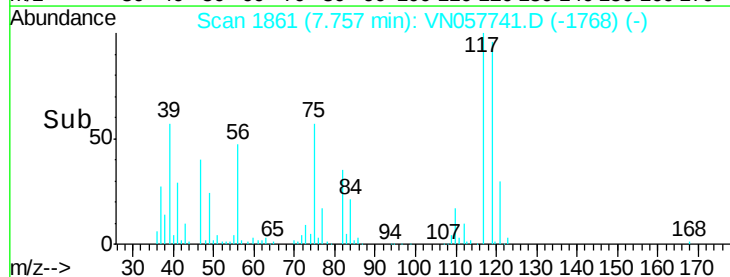
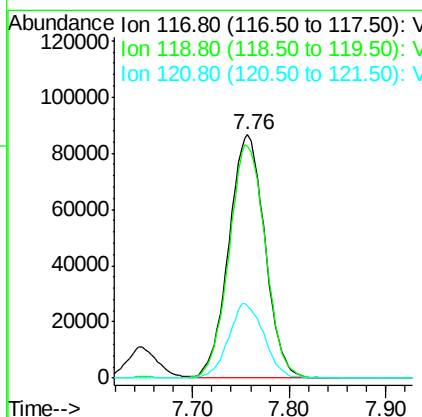
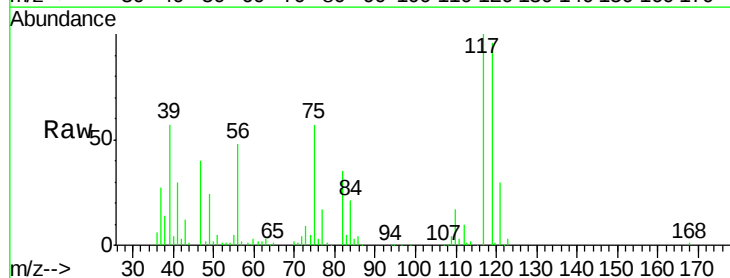
Manual Integrations
APPROVED

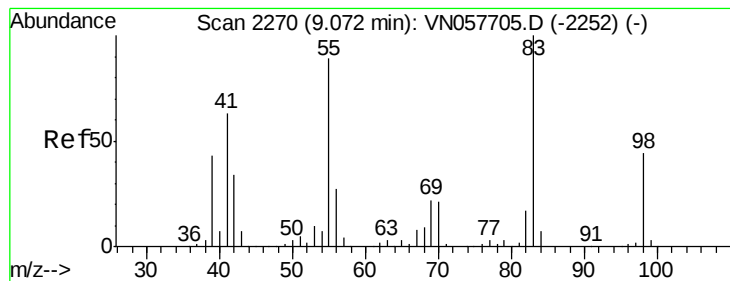
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#38
Carbon Tetrachloride
Concen: 49.957 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057741.D
Acq: 7 Sep 2019 10:32

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	95.4	76.1	114.1	
121	29.7	23.4	35.2	





#39

Methvlcvclohexane

Concen: 48.565 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. -0.00 min

Lab File: VN057741.D

Acq: 7 Sep 2019 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 241156

Ion Ratio Lower Upper

83 100

55 88.6 71.4 107.0

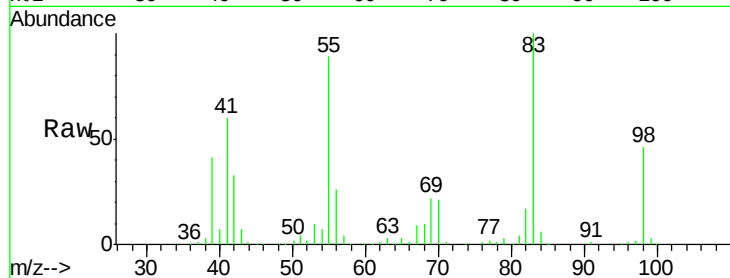
98 46.0 35.3 52.9

Manual Integrations

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MMDadoda

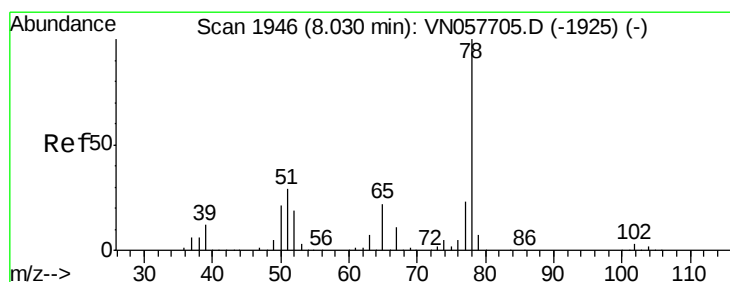
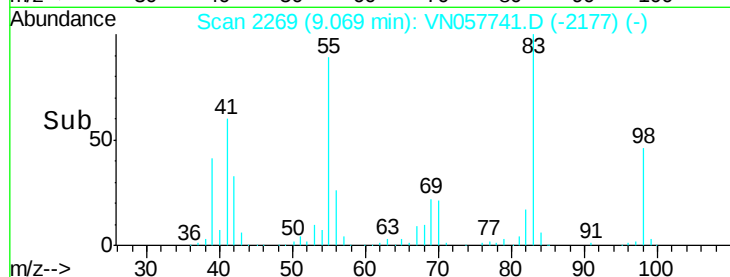
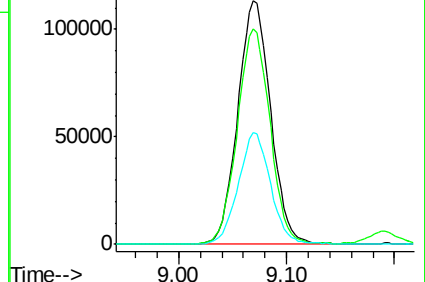
9/10/2019 3:03:08 PM



Abundance Ion 83.00 (82.70 to 83.70): VNC

Ion 55.00 (54.70 to 55.70): VNC

Ion 98.00 (97.70 to 98.70): VNC



#40

Benzene

Concen: 47.907 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.01 min

Lab File: VN057741.D

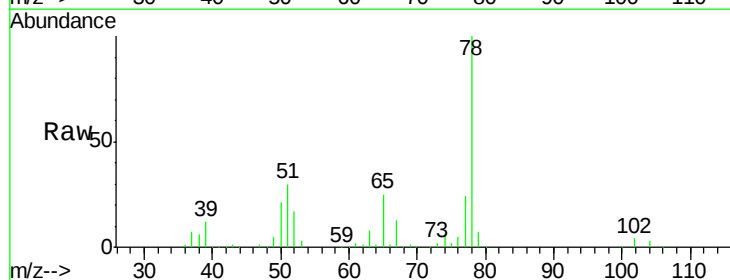
Acq: 7 Sep 2019 10:32

Tgt Ion: 78 Resp: 636145

Ion Ratio Lower Upper

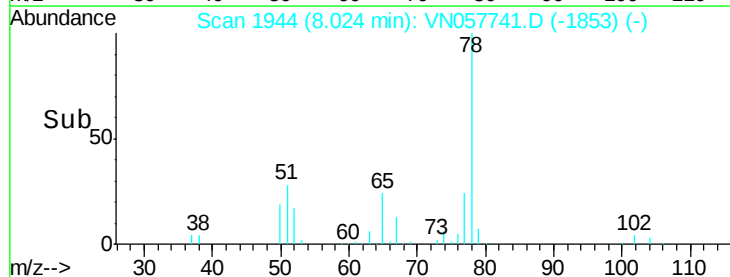
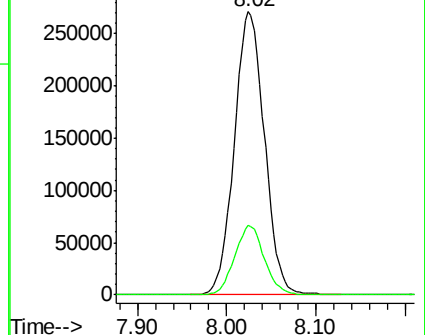
78 100

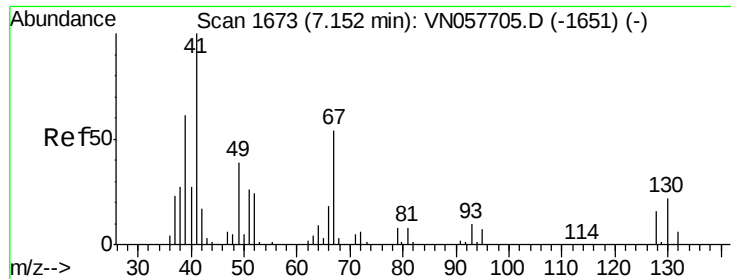
77 24.4 18.6 28.0



Abundance Ion 78.00 (77.70 to 78.70): VNC

Ion 77.00 (76.70 to 77.70): VNC





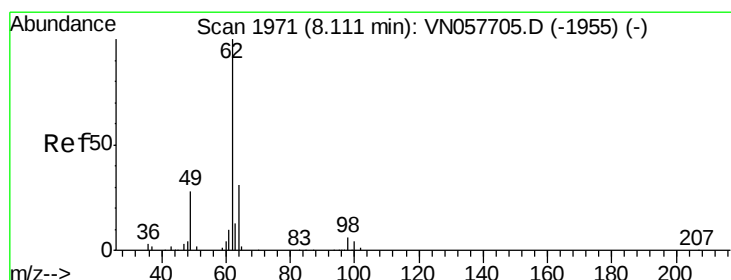
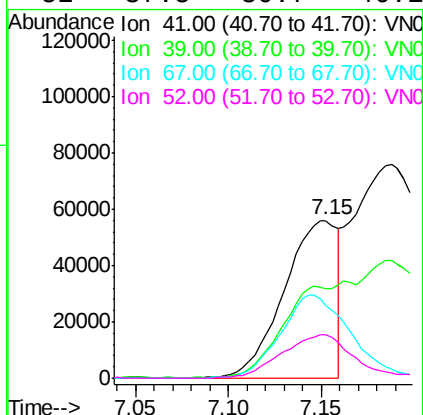
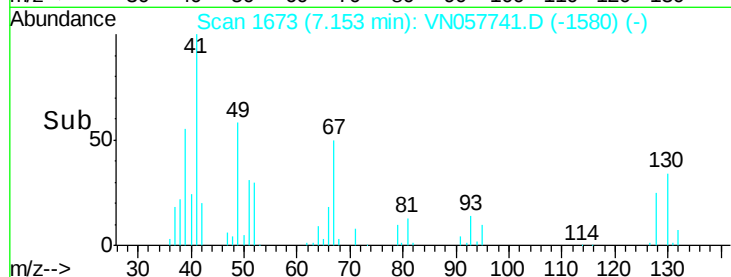
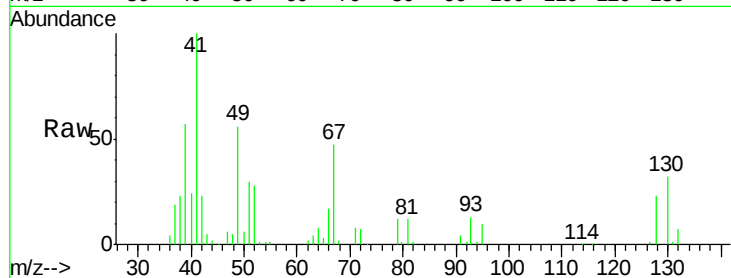
#41
Methacrylonitrile
Concen: 49.360 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. 0.00 min
Lab File: VN057741.D
Acq: 7 Sep 2019 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	48.6	43.6	65.4
67	69.9	59.8	89.6
52	37.5	30.7	46.1

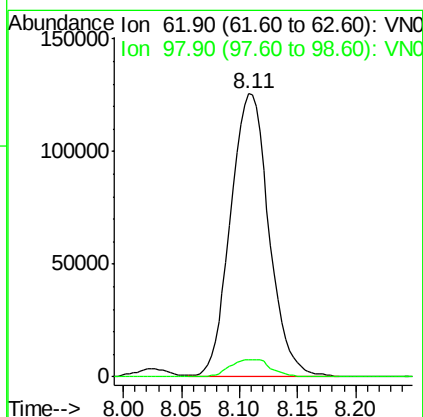
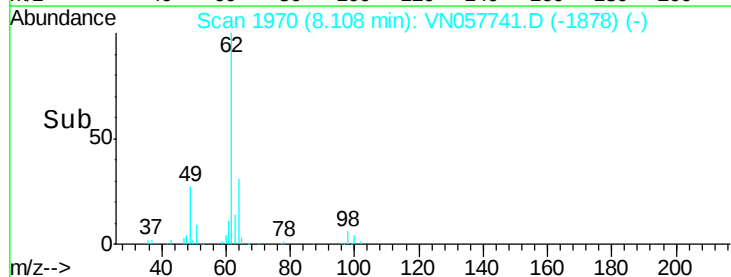
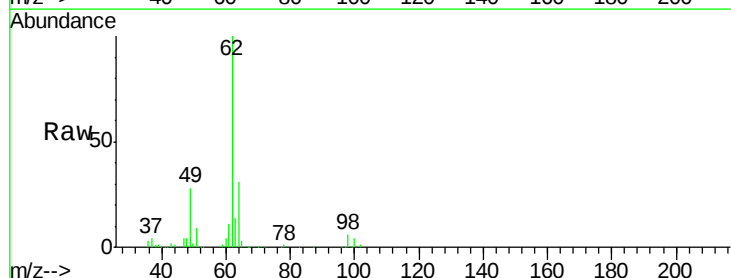
Manual Integrations
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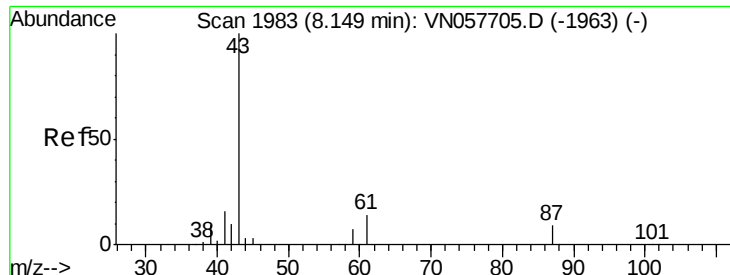
MMDadoda
9/10/2019 3:03:08 PM



#42
1,2-Dichloroethane
Concen: 46.199 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN057741.D
Acq: 7 Sep 2019 10:32

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.6	0.0	12.6





#43

Isopropyl Acetate

Concen: 45.482 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN057741.D

Acq: 7 Sep 2019 10:32

Instrument :

MSVOA_N

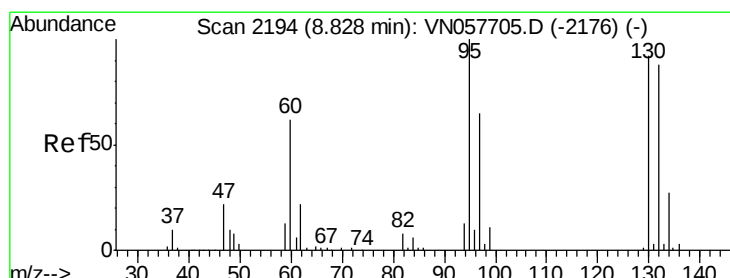
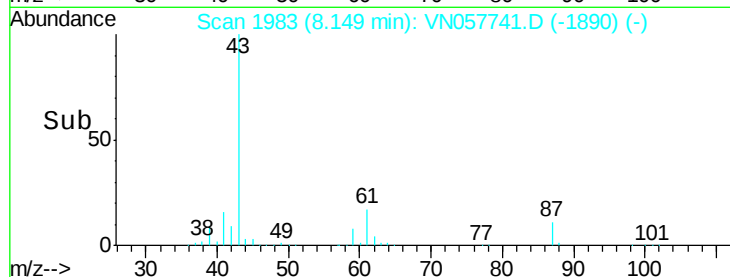
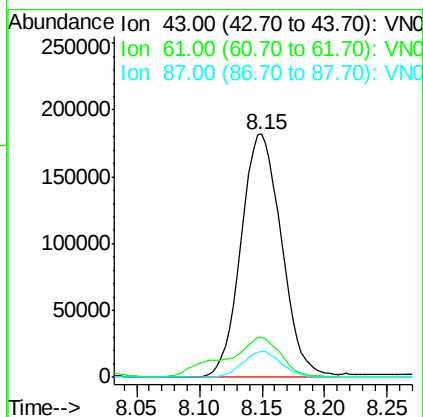
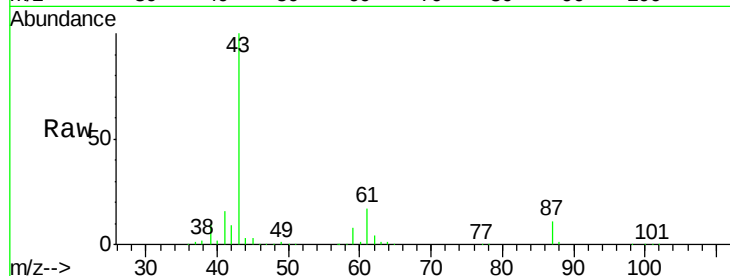
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	406880
Ion	Ratio	Lower	Upper
43	100		
61	15.2	12.8	19.2
87	10.3	7.8	11.8

Manual Integrations
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#44

Trichloroethene

Concen: 52.961 ug/l

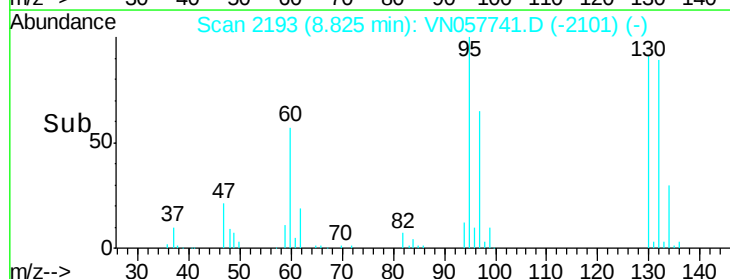
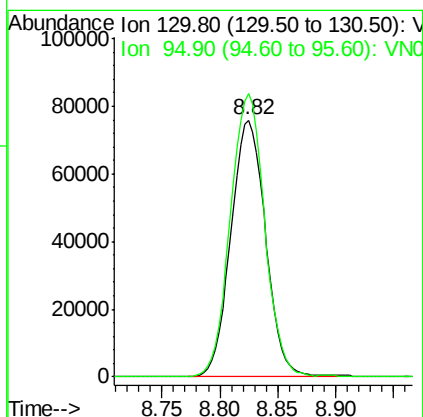
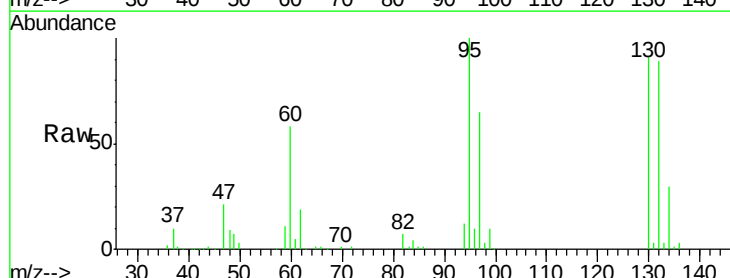
RT: 8.82 min Scan# 2193

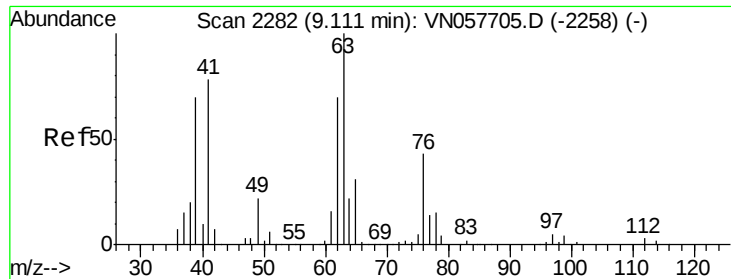
Delta R.T. -0.00 min

Lab File: VN057741.D

Acq: 7 Sep 2019 10:32

Tgt Ion:	130	Resp:	158059
Ion	Ratio	Lower	Upper
130	100		
95	110.2	0.0	217.8





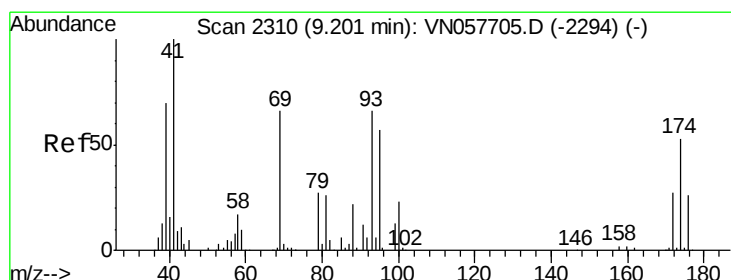
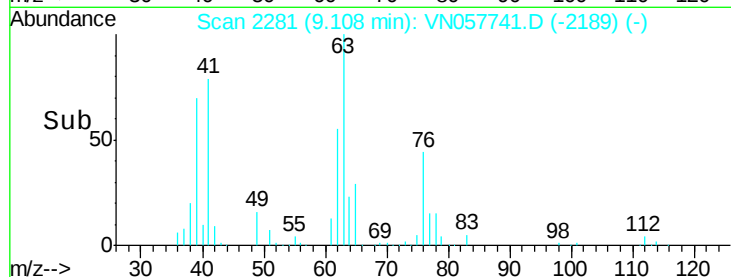
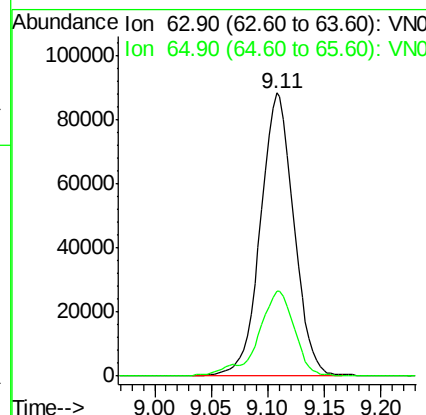
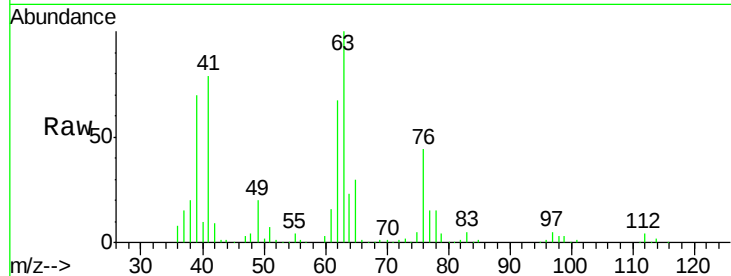
#45
 1,2-Dichloropropane
 Concen: 48.867 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN057741.D
 Acq: 7 Sep 2019 10:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 181483
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.5 36.7

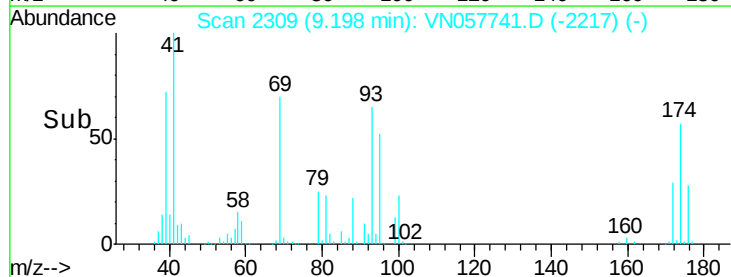
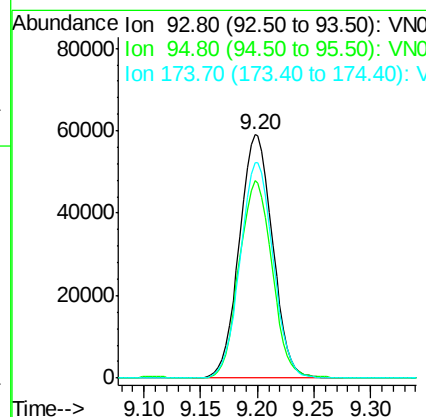
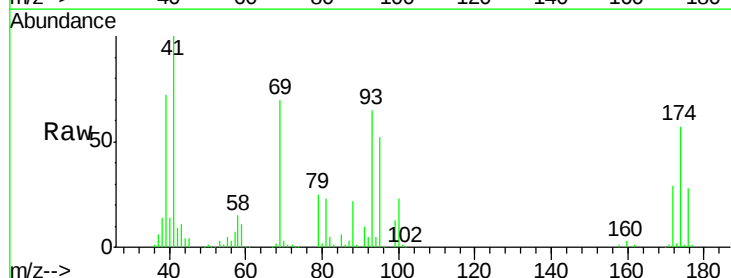
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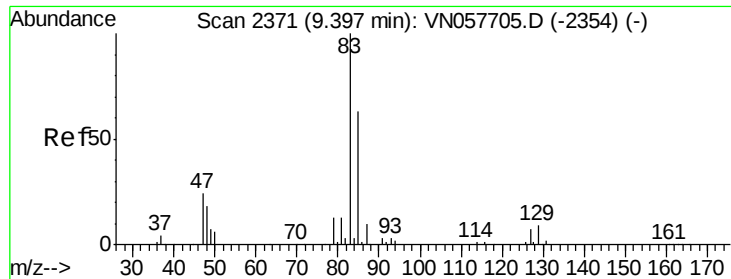
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 9/10/2019 3:03:08 PM



#46
 Dibromomethane
 Concen: 50.934 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN057741.D
 Acq: 7 Sep 2019 10:32

Tgt Ion: 93 Resp: 121338
 Ion Ratio Lower Upper
 93 100
 95 80.2 66.1 99.1
 174 87.2 63.4 95.2





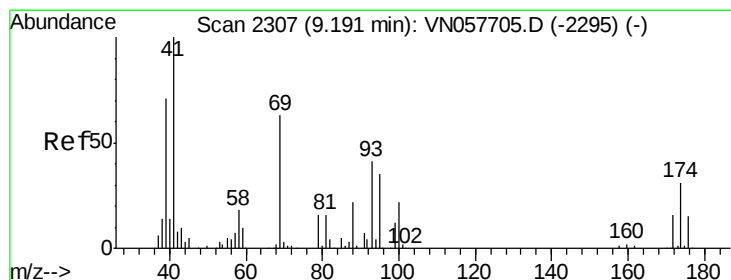
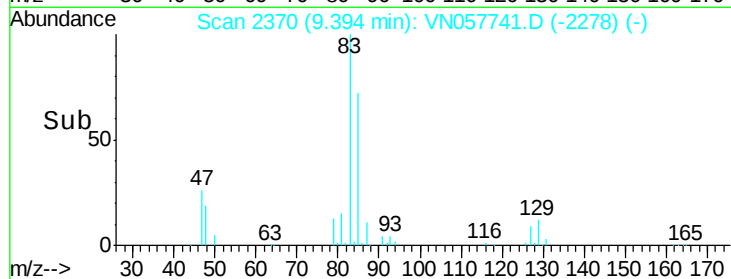
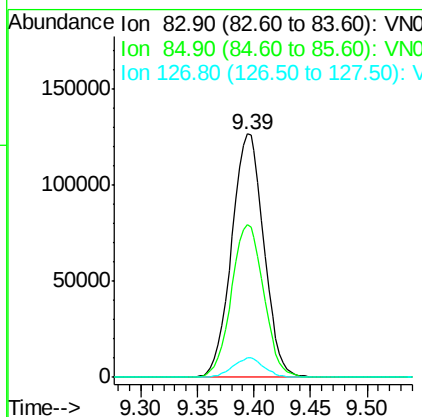
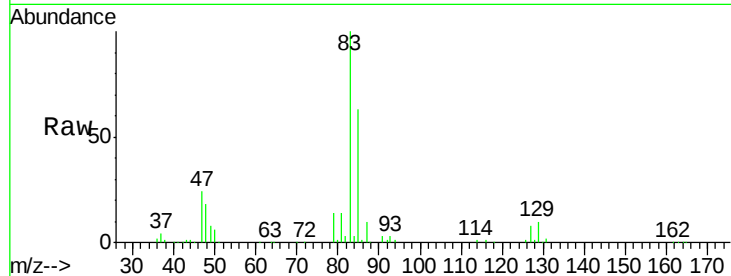
#47
Bromodichloromethane
Concen: 49.548 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. -0.00 min
Lab File: VN057741.D
Acq: 7 Sep 2019 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	250849
Ion Ratio	100	Lower	Upper
83	100		
85	62.7	50.7	76.1
127	7.9	5.6	8.4

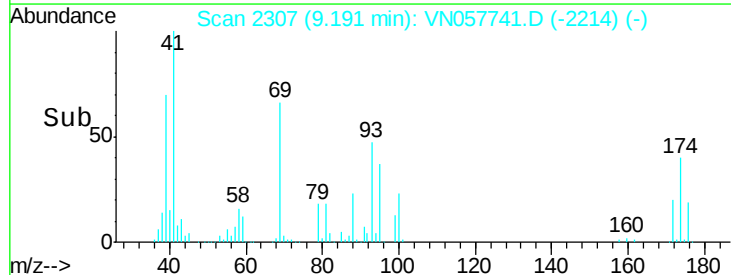
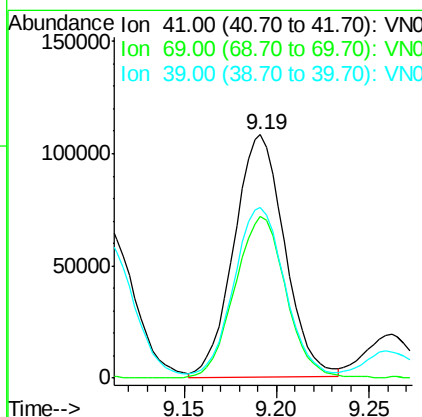
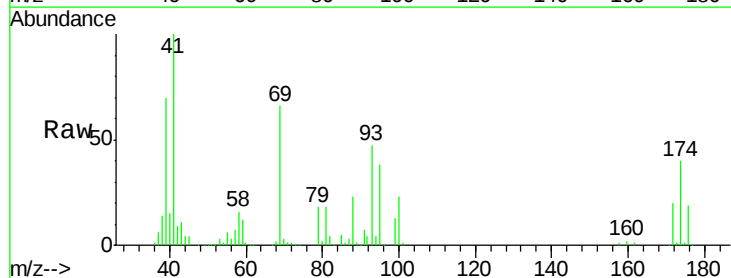
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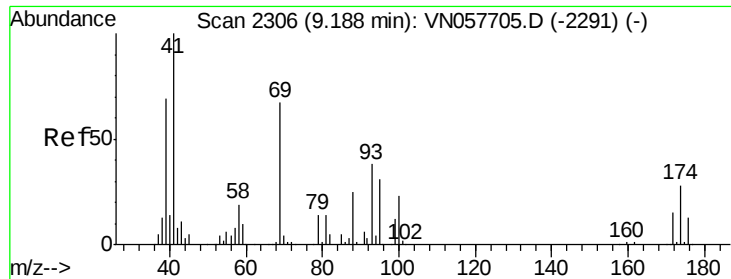
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#48
Methyl methacrylate
Concen: 44.794 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN057741.D
Acq: 7 Sep 2019 10:32

Tgt Ion	41	Resp	206089
Ion Ratio	100	Lower	Upper
41	100		
69	67.1	51.2	76.8
39	70.9	57.3	85.9





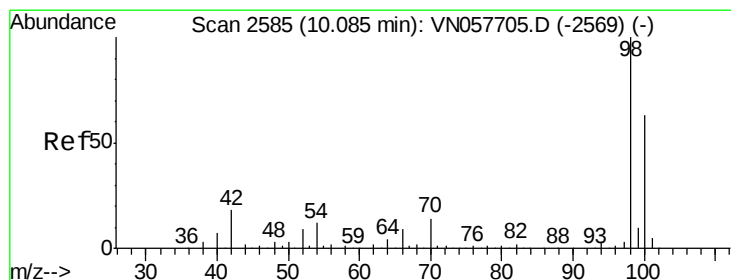
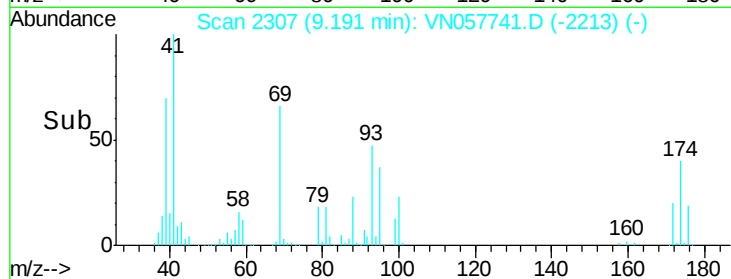
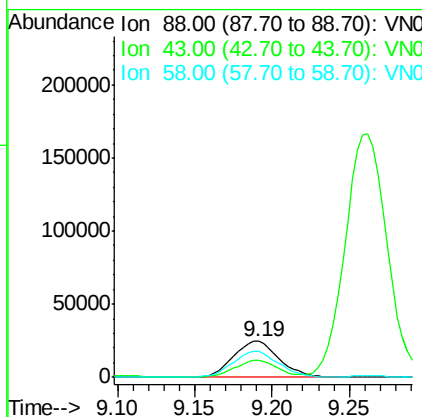
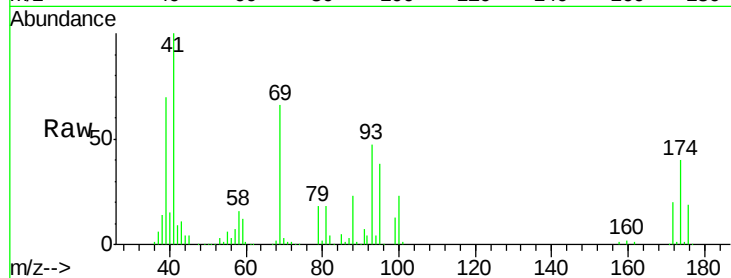
#49
1,4-Dioxane
Concen: 947.036 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN057741.D
Acq: 7 Sep 2019 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.5	35.4	53.2
58	72.0	61.5	92.3

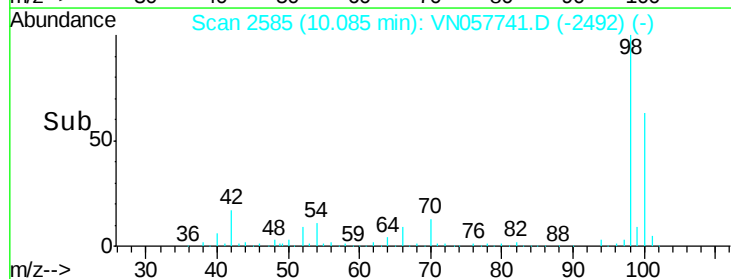
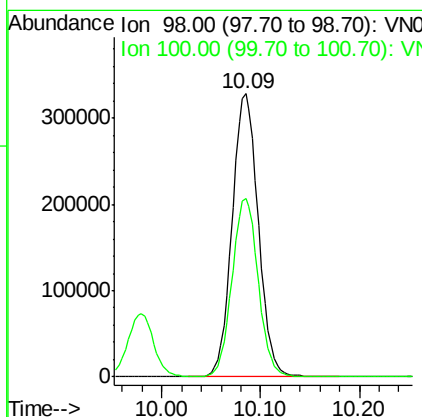
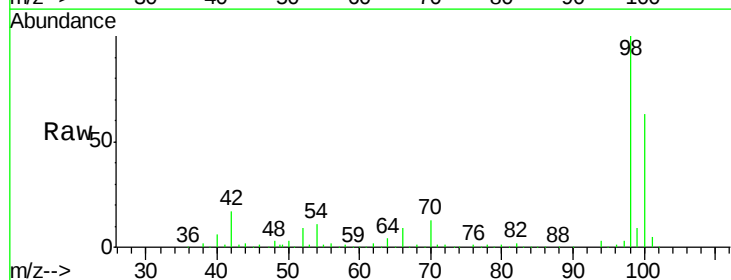
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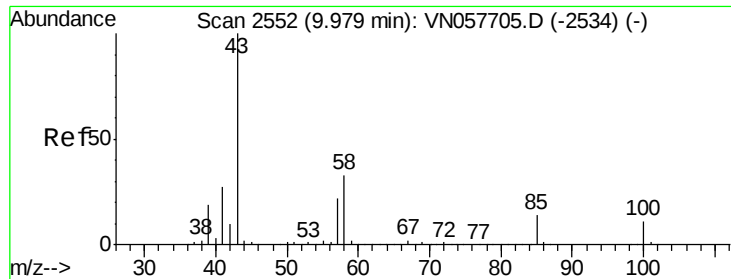
MMDadoda
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#50
Toluene-d8
Concen: 50.638 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057741.D
Acq: 7 Sep 2019 10:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.0	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 242.524 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN057741.D

Acq: 7 Sep 2019 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1204917

Ion Ratio Lower Upper

43 100

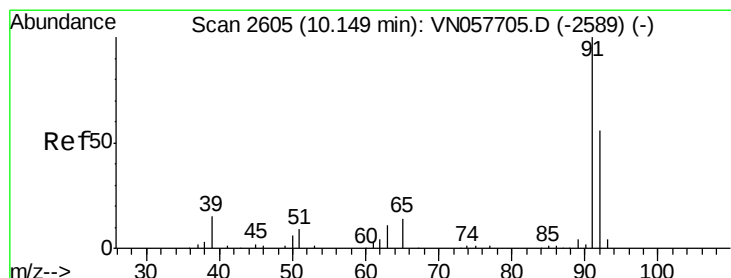
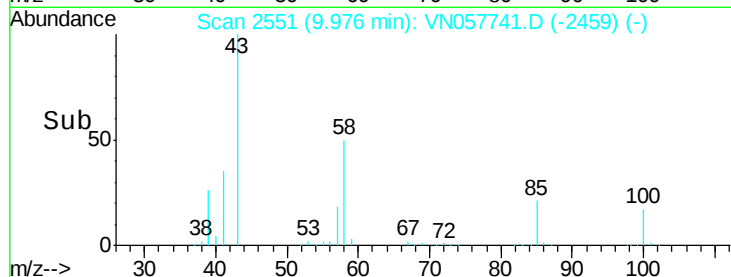
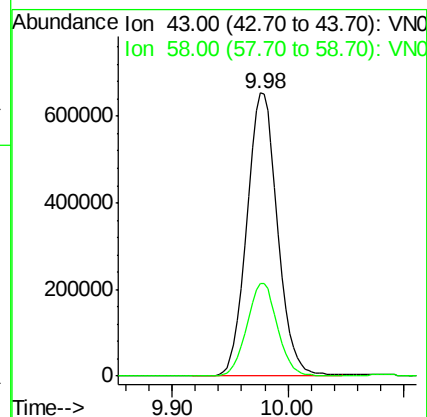
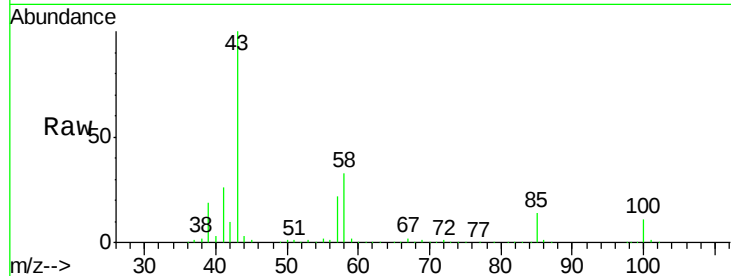
58 32.7 25.8 38.8

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#52

Toluene

Concen: 49.721 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN057741.D

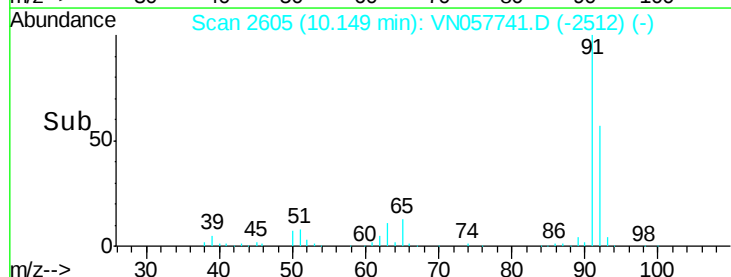
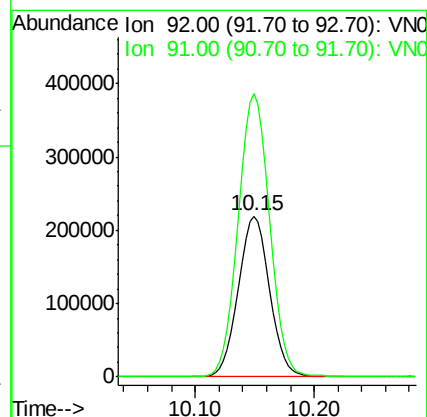
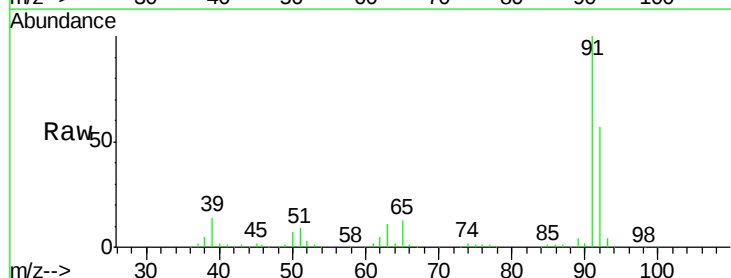
Acq: 7 Sep 2019 10:32

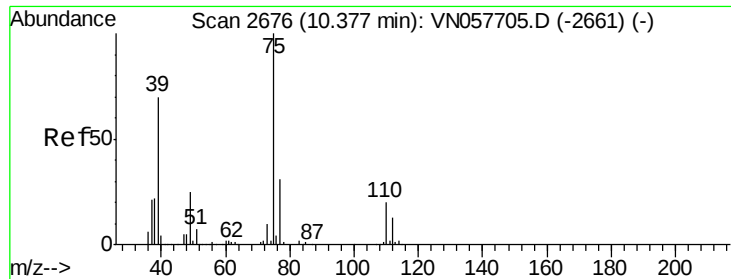
Tgt Ion: 92 Resp: 400165

Ion Ratio Lower Upper

92 100

91 177.5 141.5 212.3





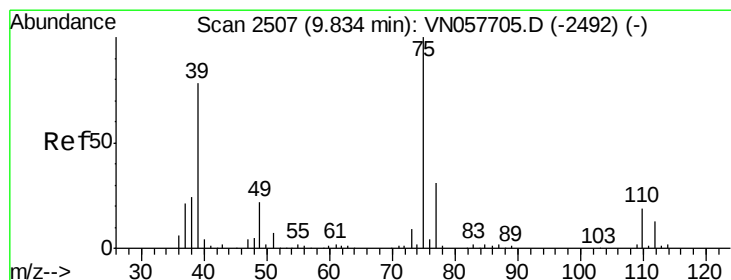
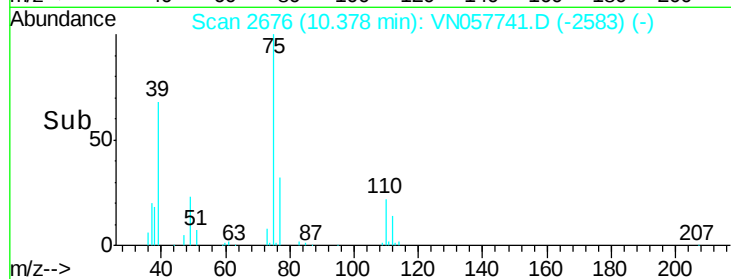
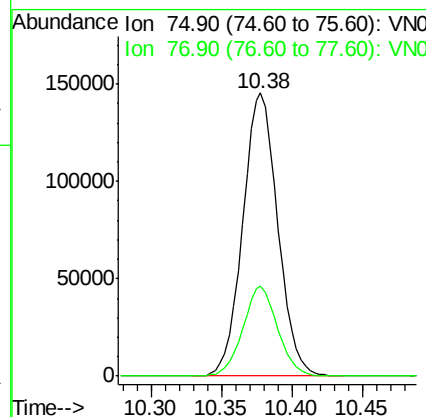
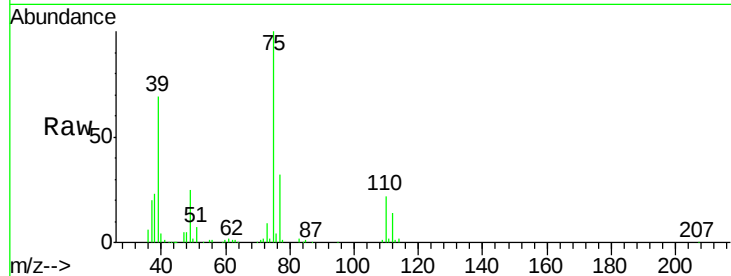
#53
t-1,3-Dichloropropene
Concen: 49.746 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057741.D
Acq: 7 Sep 2019 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 252670
Ion Ratio Lower Upper
75 100
77 31.8 25.1 37.7

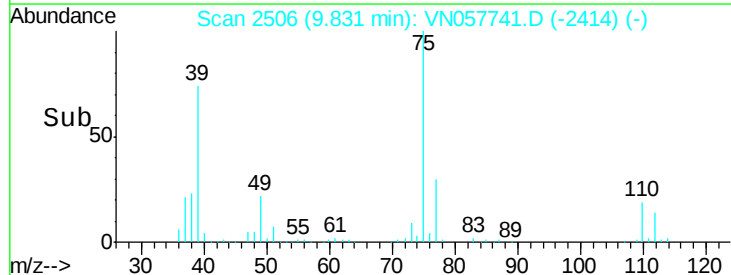
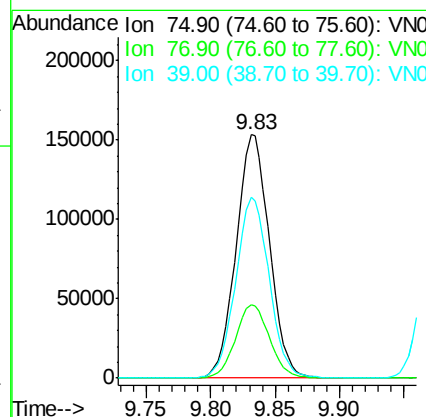
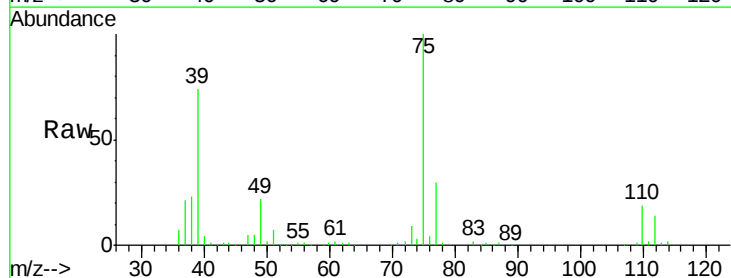
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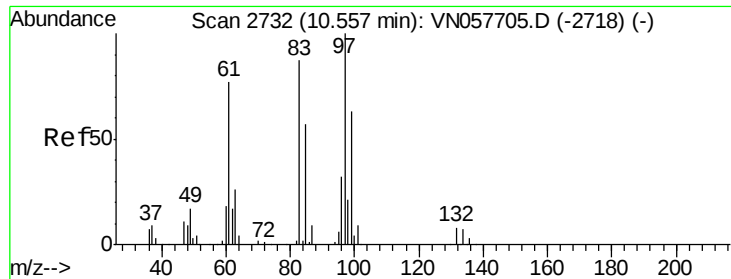
MMDadoda
9/10/2019 3:03:08 PM



#54
cis-1,3-Dichloropropene
Concen: 50.203 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. -0.00 min
Lab File: VN057741.D
Acq: 7 Sep 2019 10:32

Tgt Ion: 75 Resp: 275497
Ion Ratio Lower Upper
75 100
77 30.1 25.1 37.7
39 73.8 62.4 93.6





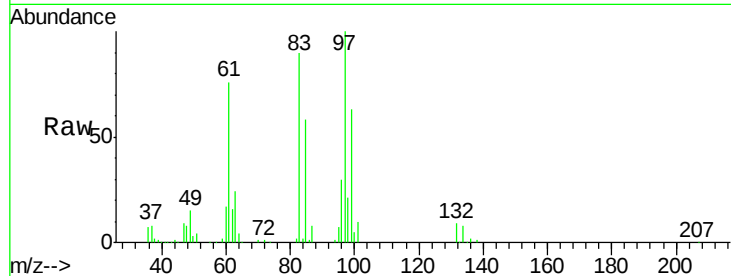
#55
 1,1,2-Trichloroethane
 Concen: 50.587 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN057741.D
 Acq: 7 Sep 2019 10:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

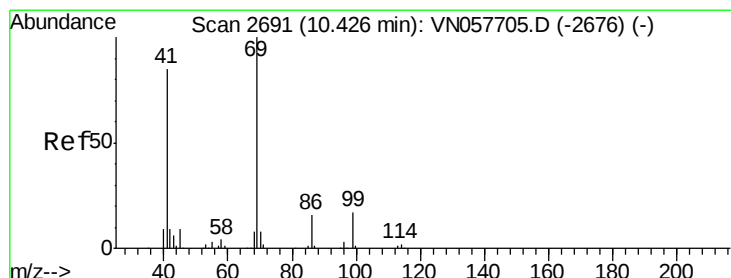
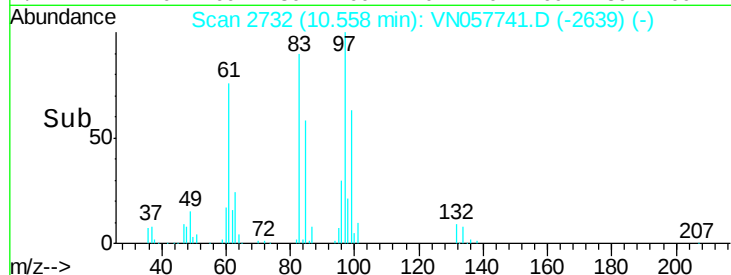
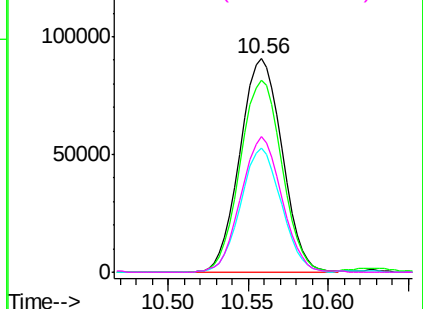
Tot Ion:	97	Resp:	163846
Ion	Ratio	Lower	Upper
97	100		
83	90.1	69.5	104.3
85	58.3	45.7	68.5
99	63.3	50.2	75.4

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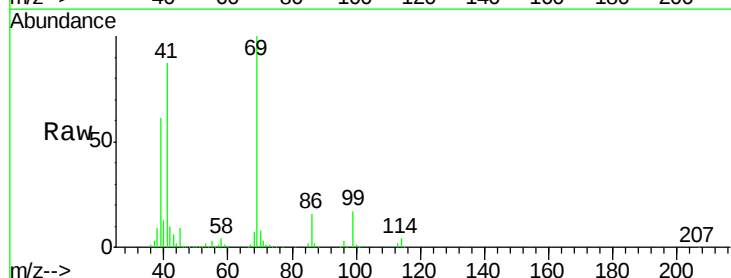


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

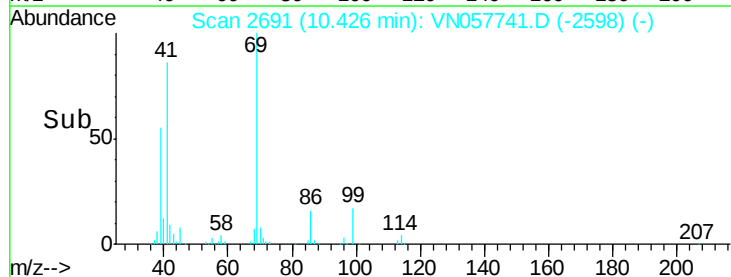
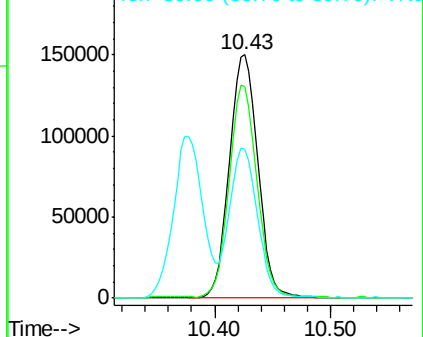


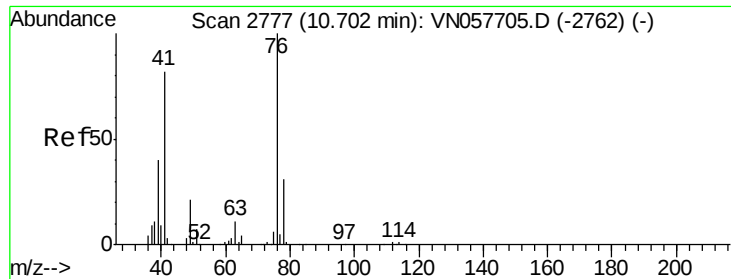
#56
 Ethyl methacrylate
 Concen: 49.205 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057741.D
 Acq: 7 Sep 2019 10:32

Tgt Ion:	69	Resp:	254371
Ion	Ratio	Lower	Upper
69	100		
41	84.4	69.0	103.4
39	60.6	49.2	73.8



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 48.199 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN057741.D

Acq: 7 Sep 2019 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 280422

Ion Ratio Lower Upper

76 100

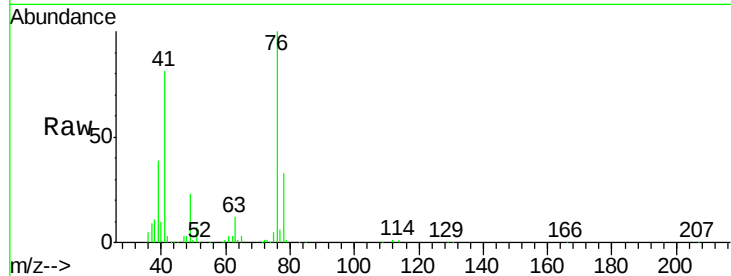
78 32.6 25.5 38.3

Manual Integrations

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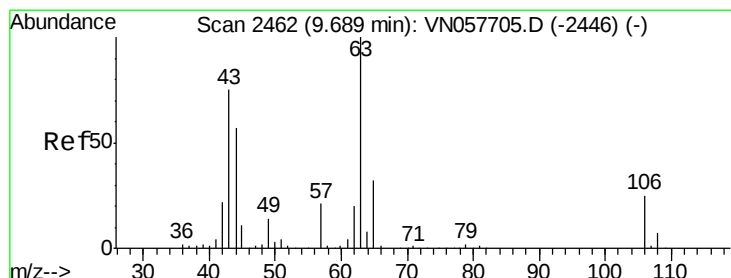
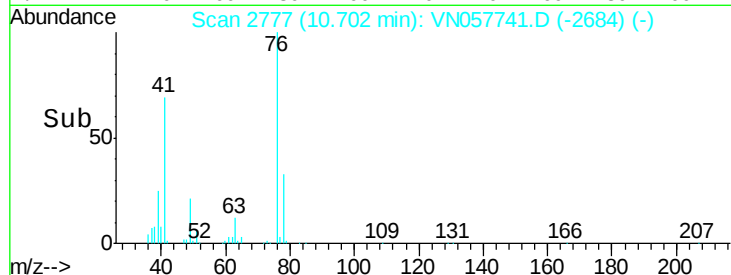
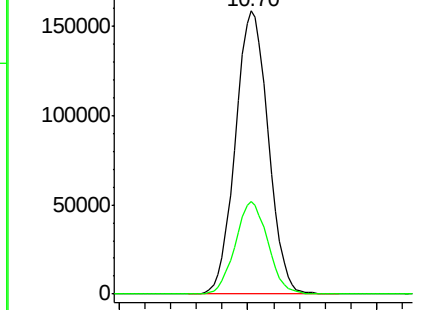
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 245.235 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. -0.00 min

Lab File: VN057741.D

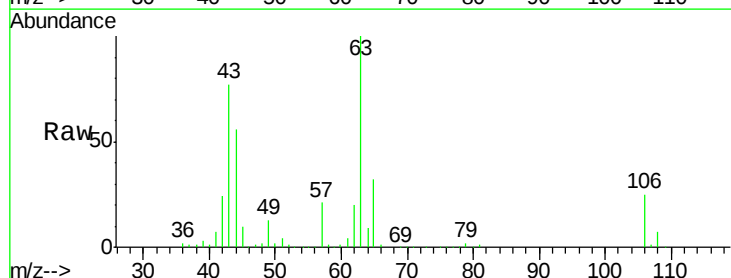
Acq: 7 Sep 2019 10:32

Tgt Ion: 63 Resp: 643191

Ion Ratio Lower Upper

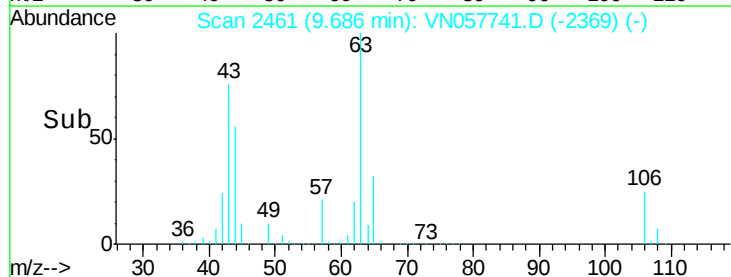
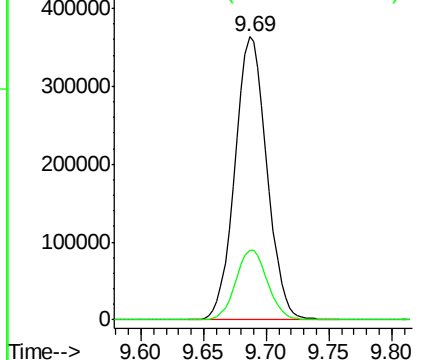
63 100

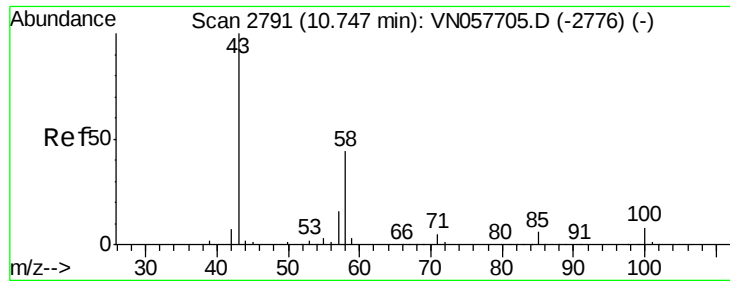
106 24.7 19.4 29.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





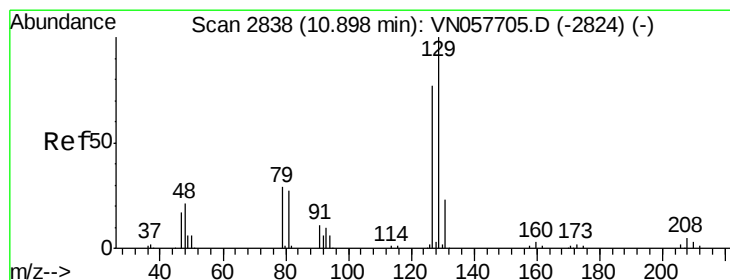
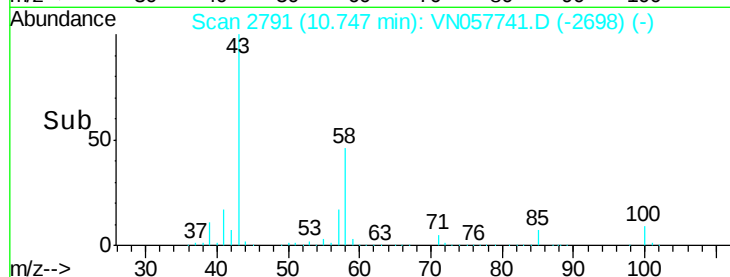
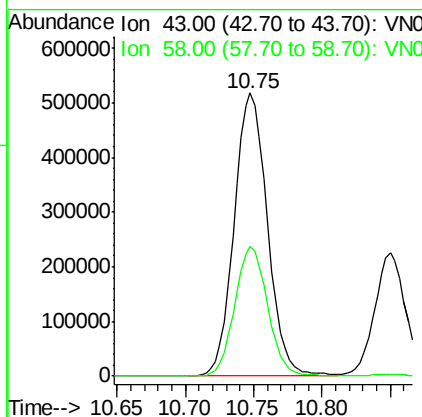
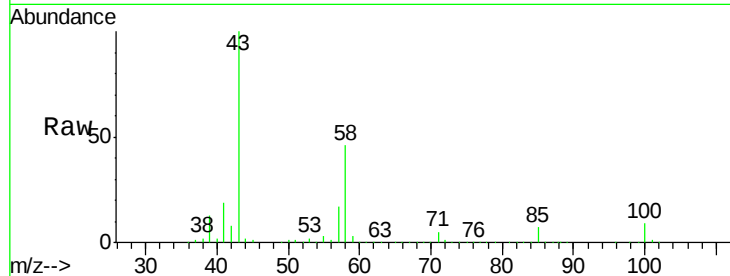
#59
2-Hexanone
Concen: 250.185 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057741.D
Acq: 7 Sep 2019 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	58	Ratio	Lower	Upper
Resp:	876497				
Ion	43	58	100	22.1	66.5

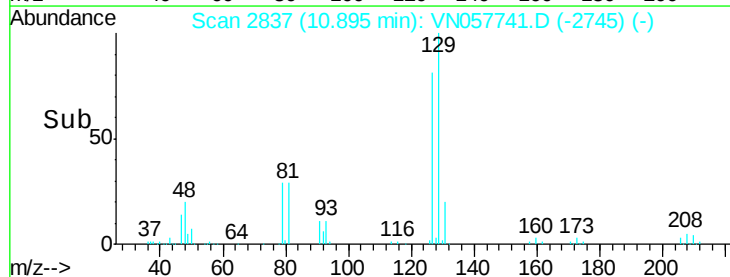
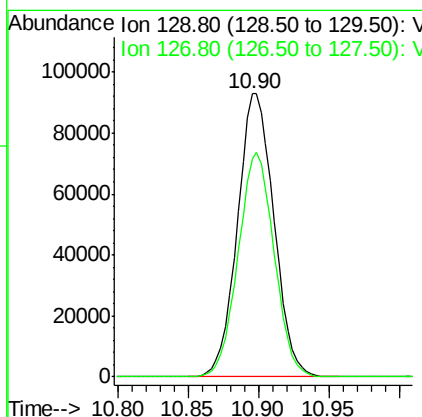
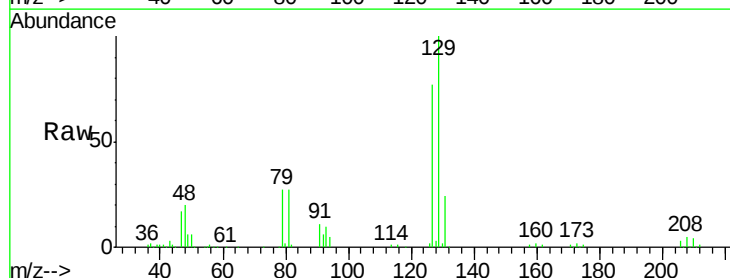
Manual Integrations
APPROVED

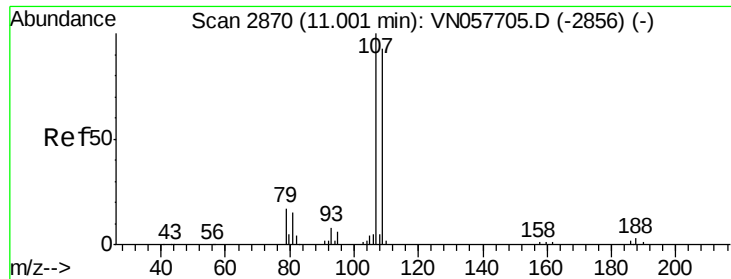
MMDadoda
9/10/2019 3:03:08 PM



#60
Dibromochloromethane
Concen: 48.331 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN057741.D
Acq: 7 Sep 2019 10:32

Tgt Ion	129	127	Ratio	Lower	Upper
Resp:	168572				
Ion	129	127	100	38.4	115.2





#61

1,2-Dibromoethane

Concen: 51.916 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN057741.D

Acq: 7 Sep 2019 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 161425

Ion Ratio Lower Upper

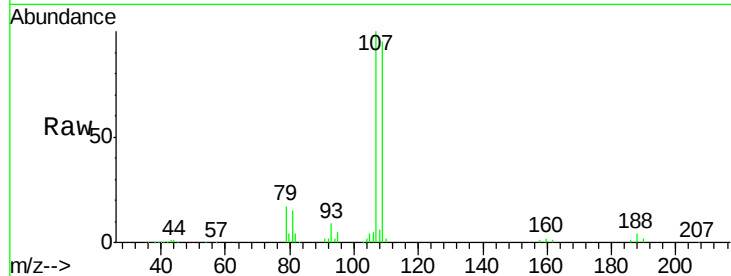
107 100

109 94.6 74.6 112.0

Manual Integrations
APPROVED

MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

100000

80000

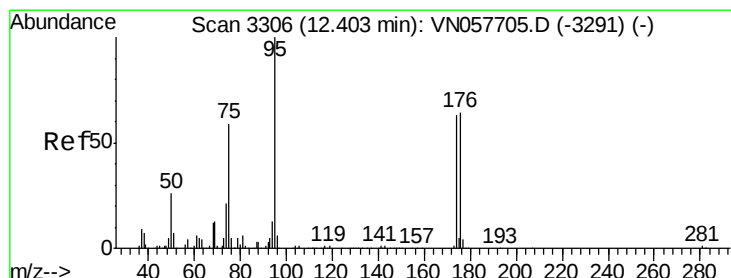
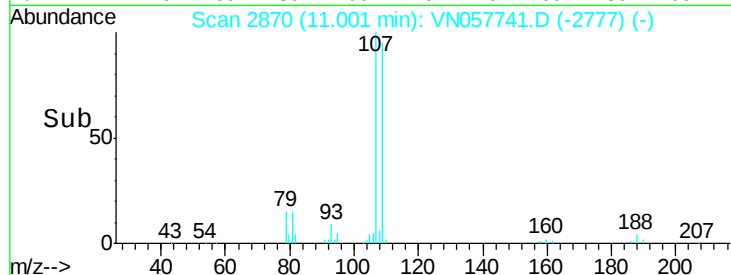
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.012 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057741.D

Acq: 7 Sep 2019 10:32

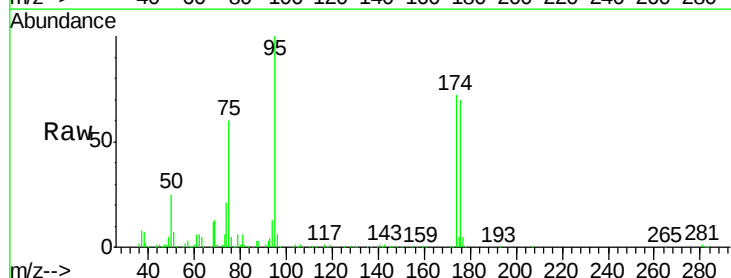
Tgt Ion: 95 Resp: 242056

Ion Ratio Lower Upper

95 100

174 72.3 0.0 128.0

176 71.5 0.0 128.0



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

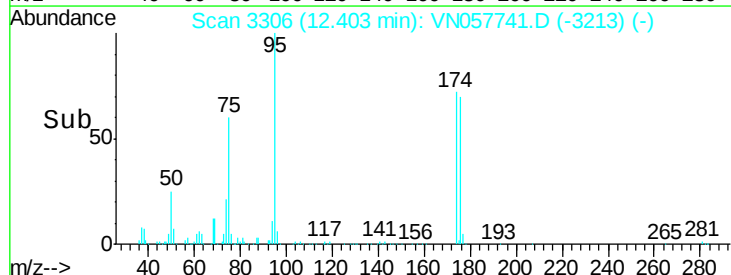
150000

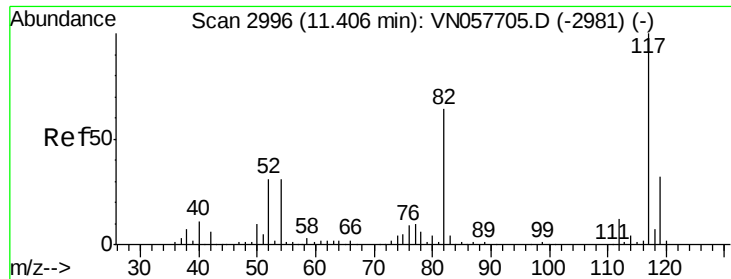
100000

50000

0

Time-->





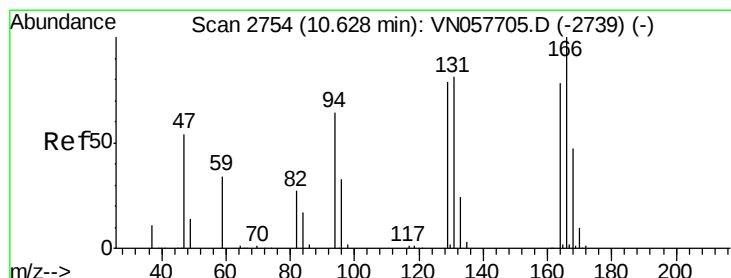
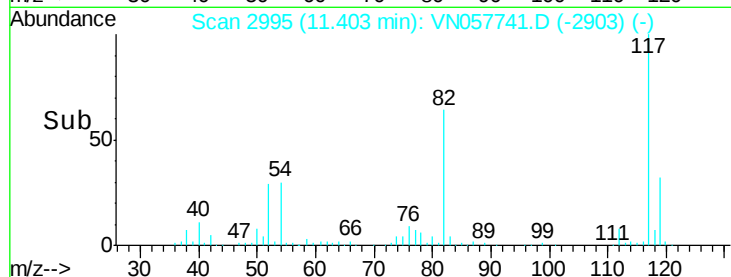
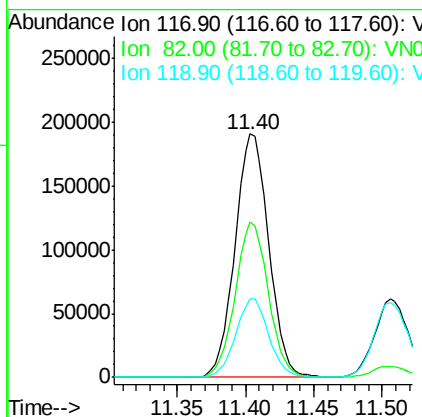
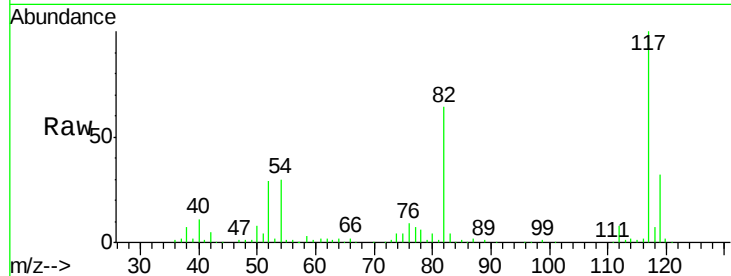
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN057741.D
Acq: 7 Sep 2019 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.5	51.4	77.0
119	32.0	25.4	38.2

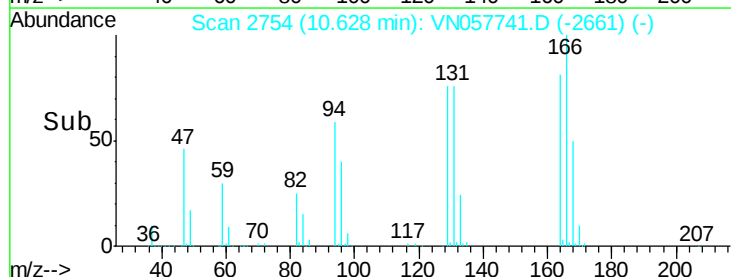
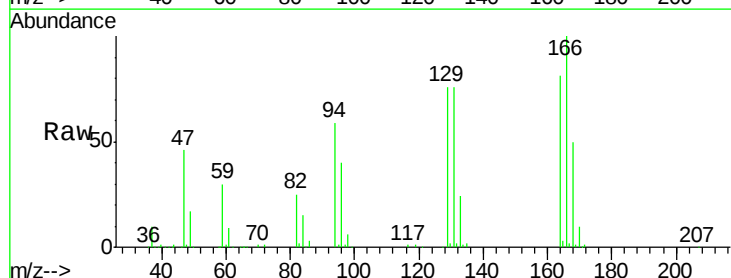
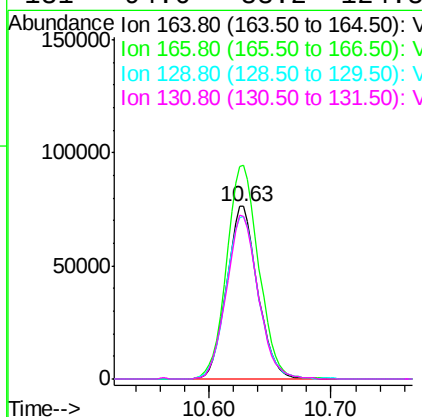
Manual Integrations
APPROVED

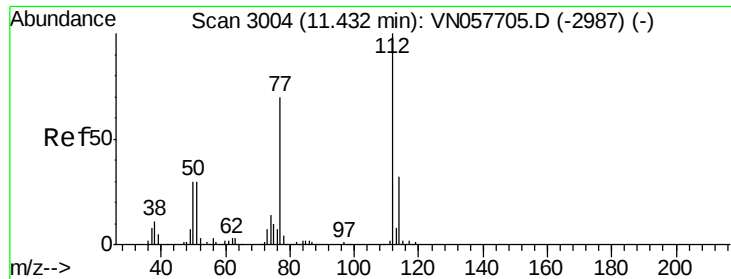
MMDadoda
9/10/2019 3:03:08 PM



#64
Tetrachloroethene
Concen: 53.079 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057741.D
Acq: 7 Sep 2019 10:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.8	103.0	154.6
129	94.1	81.1	121.7
131	94.6	83.2	124.8





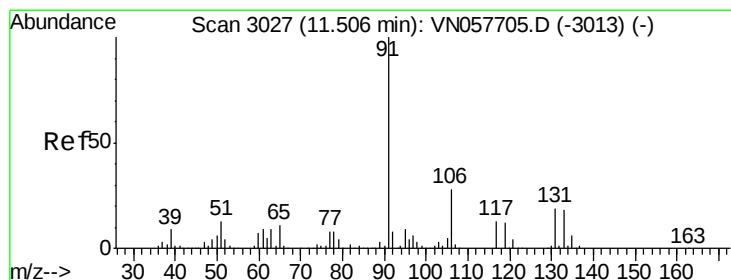
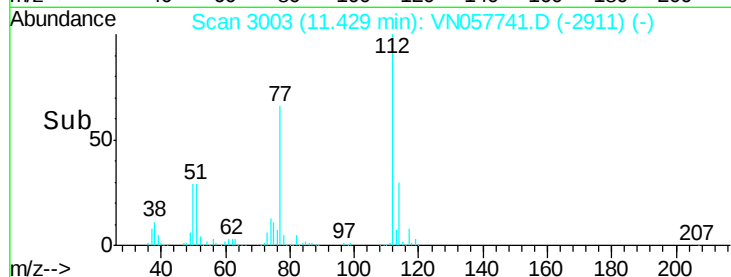
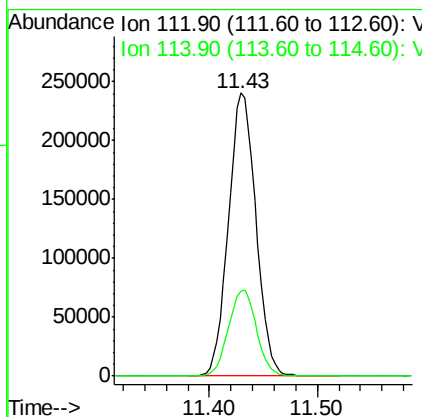
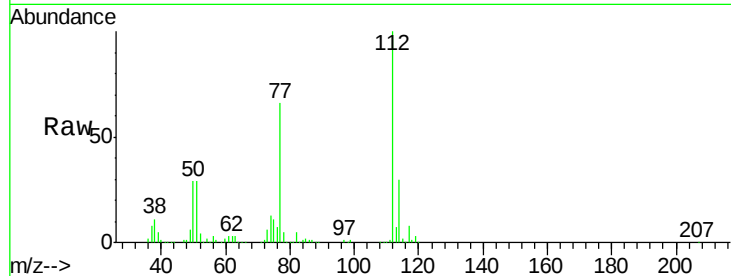
#65
Chlorobenzene
Concen: 49.883 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN057741.D
Acq: 7 Sep 2019 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 426500
Ion Ratio Lower Upper
112 100
114 30.2 25.8 38.8

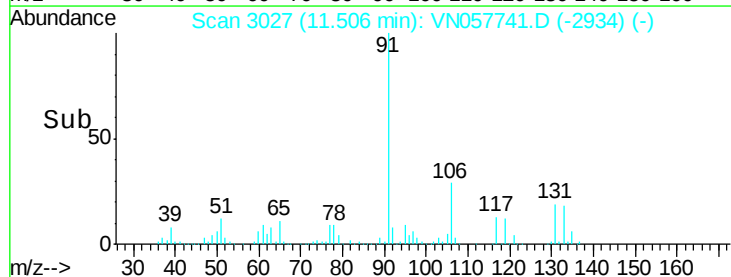
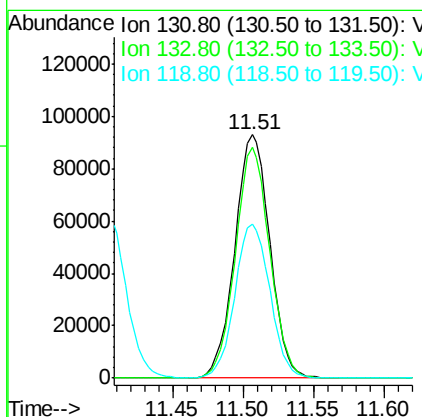
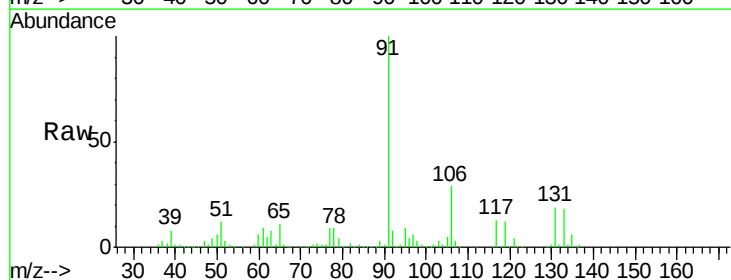
Manual Integrations
APPROVED

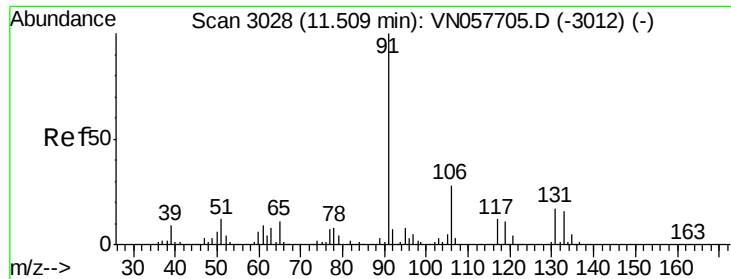
MMDadoda
9/10/2019 3:03:08 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.412 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057741.D
Acq: 7 Sep 2019 10:32

Tgt Ion:131 Resp: 161876
Ion Ratio Lower Upper
131 100
133 93.3 47.6 142.9
119 63.4 32.8 98.3





#67

Ethyl Benzene

Concen: 50.288 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057741.D

Acq: 7 Sep 2019 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 829566

Ion Ratio Lower Upper

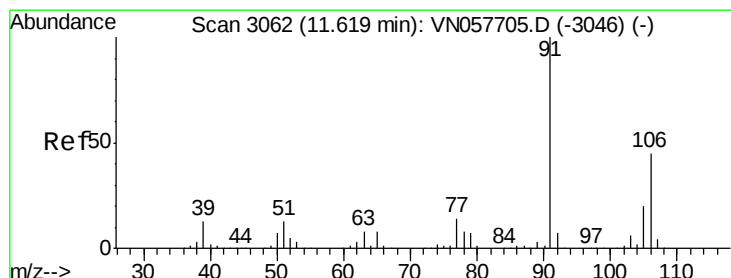
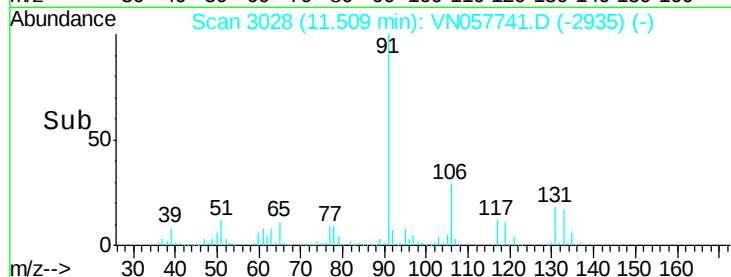
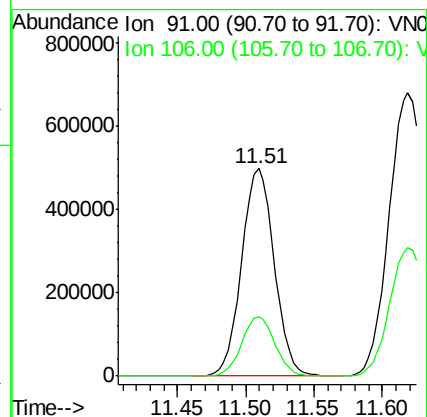
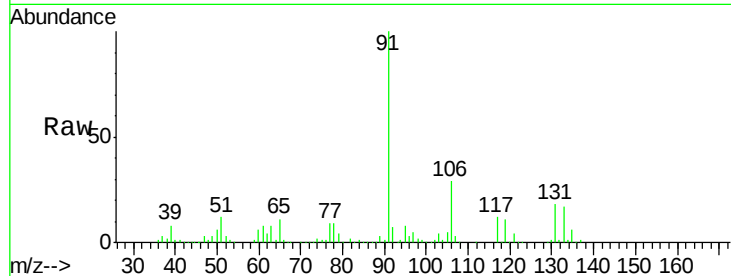
91 100

106 28.6 22.8 34.2

Manual Integrations
APPROVED

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9/10/2019 3:03:08 PM



#68

m/p-Xylenes

Concen: 104.169 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN057741.D

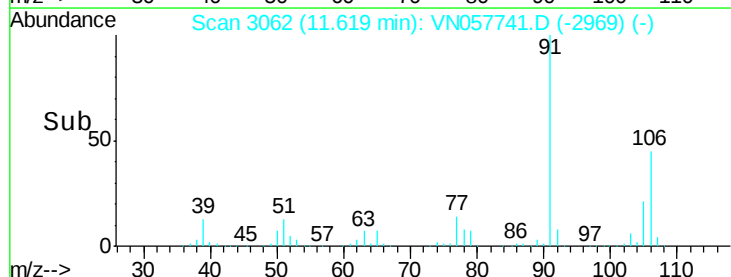
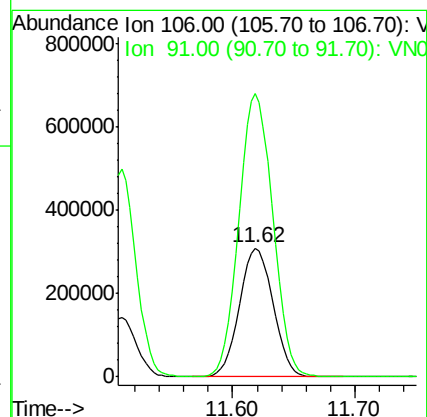
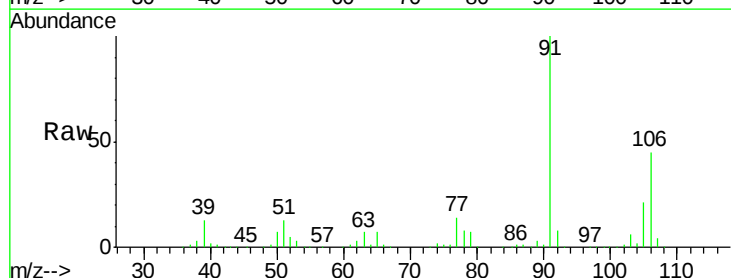
Acq: 7 Sep 2019 10:32

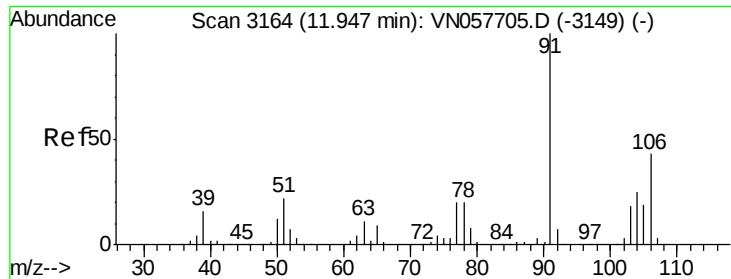
Tgt Ion: 106 Resp: 591868

Ion Ratio Lower Upper

106 100

91 220.9 179.8 269.8





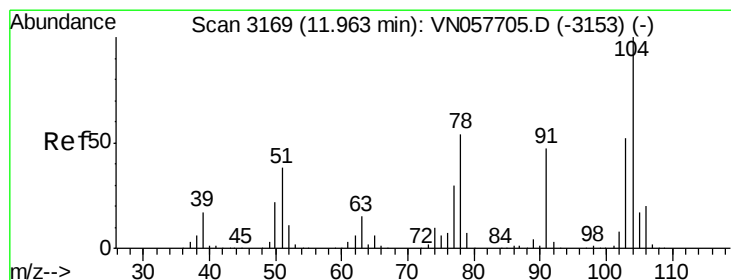
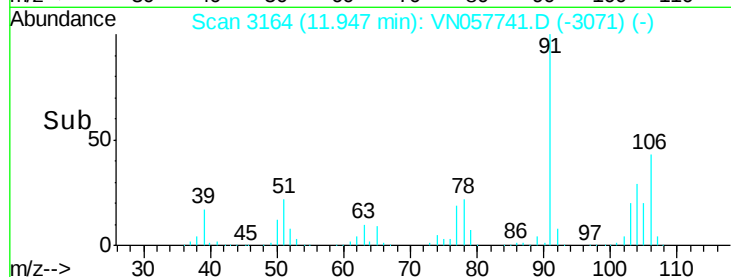
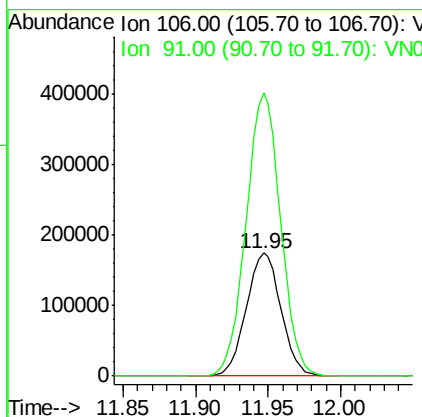
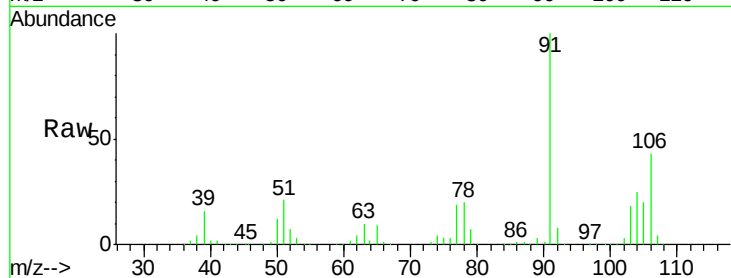
#69
o-Xylene
Concen: 51.482 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057741.D
Acq: 7 Sep 2019 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 289644
Ion Ratio Lower Upper
106 100
91 230.0 116.8 350.4

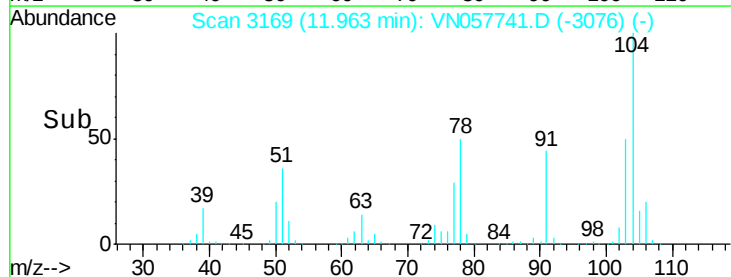
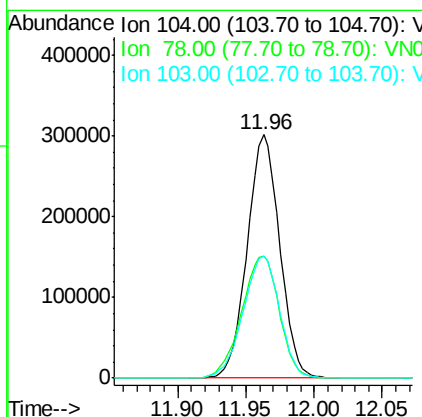
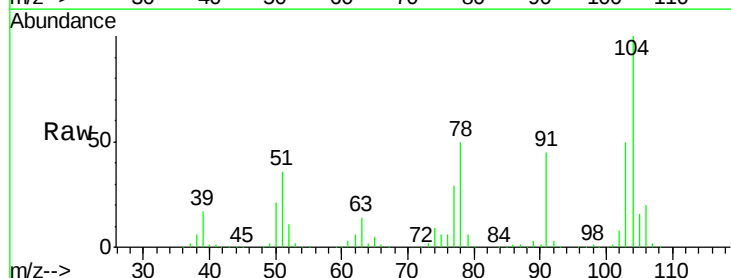
Manual Integrations
APPROVED

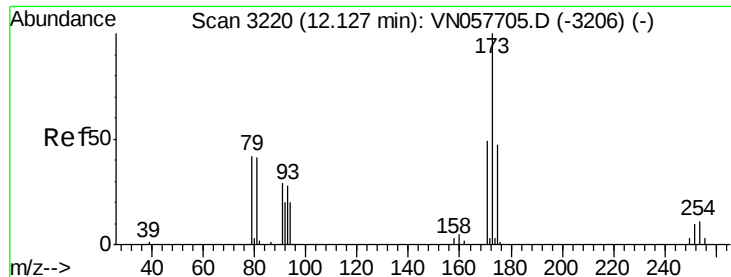
MMDadoda
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#70
Styrene
Concen: 51.419 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057741.D
Acq: 7 Sep 2019 10:32

Tgt Ion:104 Resp: 500552
Ion Ratio Lower Upper
104 100
78 58.0 48.5 72.7
103 56.0 45.0 67.4





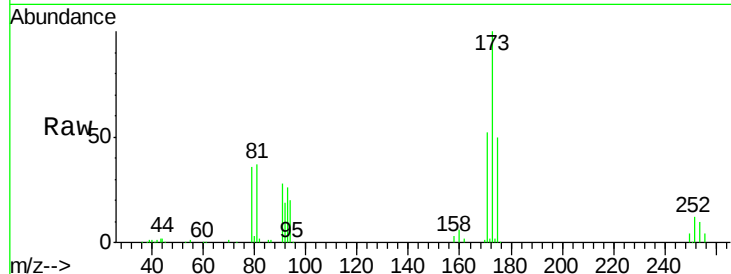
#71
Bromoform
Concen: 49.604 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057741.D
Acq: 7 Sep 2019 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.6	73.8
254	0.1	0.0	0.0

Manual Integrations
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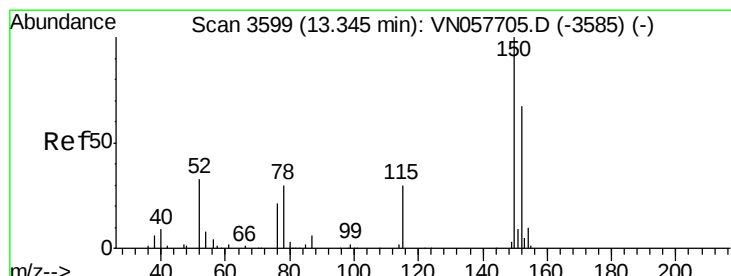
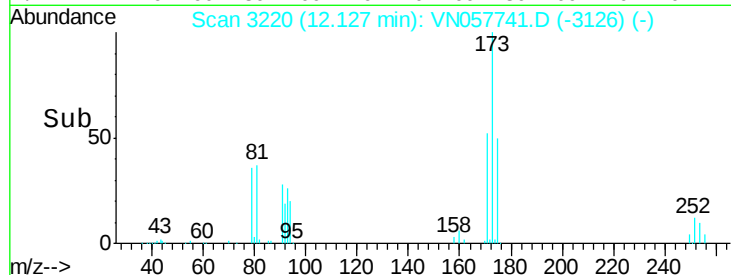
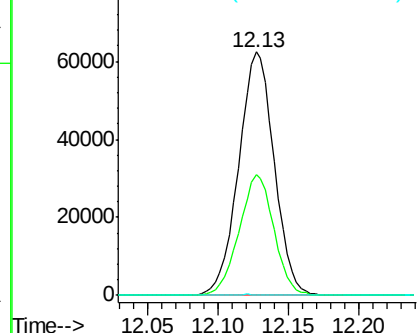


Abundance

Ion 172.70 (172.40 to 173.40): V

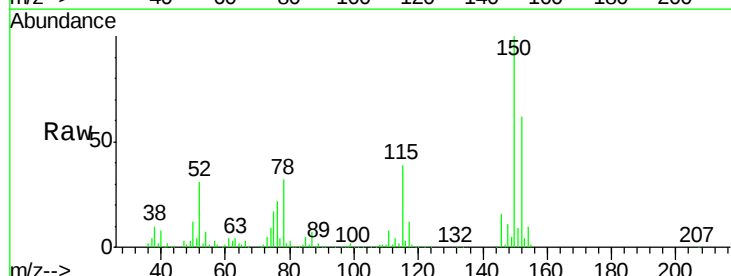
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN057741.D
Acq: 7 Sep 2019 10:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.7	33.8	101.3
150	176.5	0.0	345.4

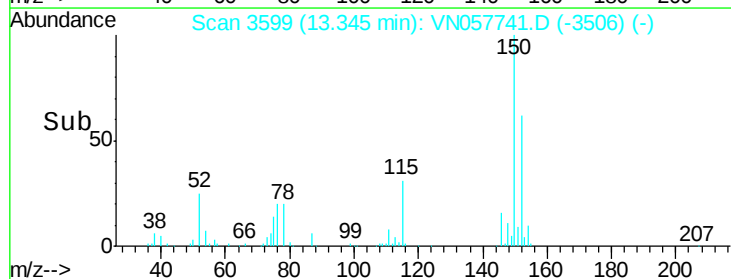
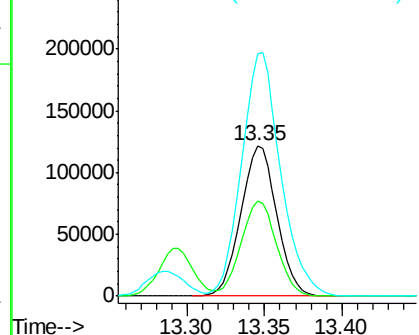


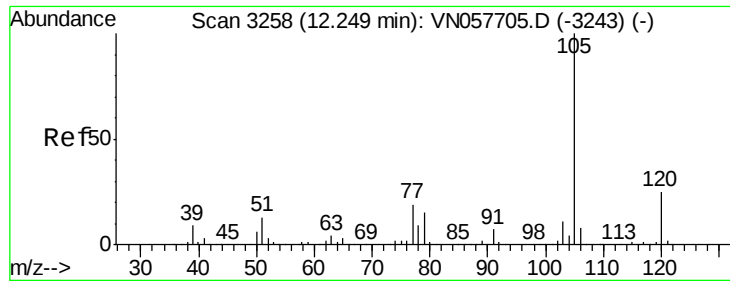
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.697 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057741.D

Acq: 7 Sep 2019 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 825262

Ion Ratio Lower Upper

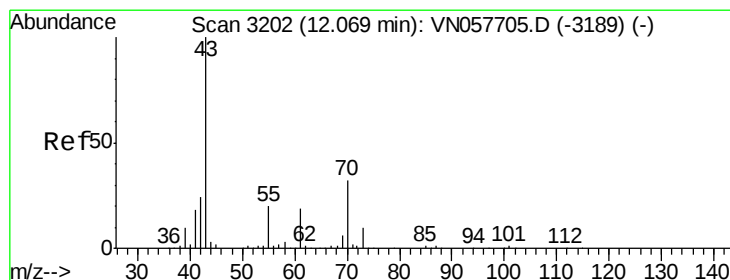
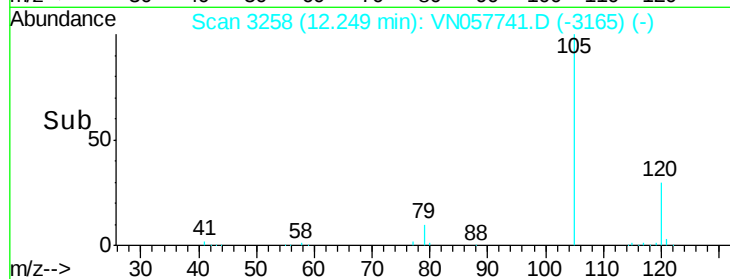
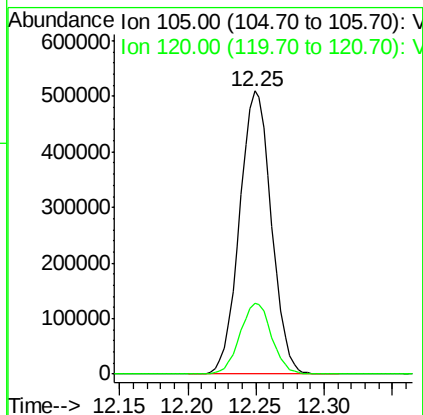
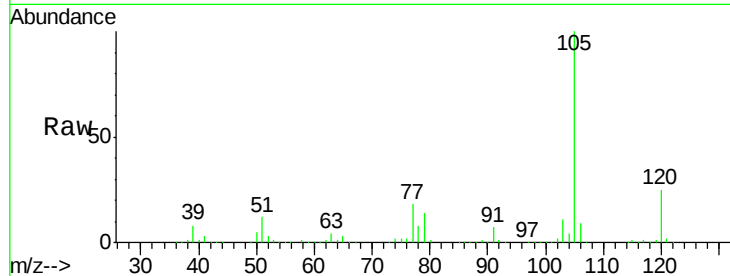
105 100

120 24.9 12.2 36.6

Manual Integrations
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#74

N-ethyl acetate

Concen: 43.819 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057741.D

Acq: 7 Sep 2019 10:32

Tgt Ion: 43 Resp: 378728

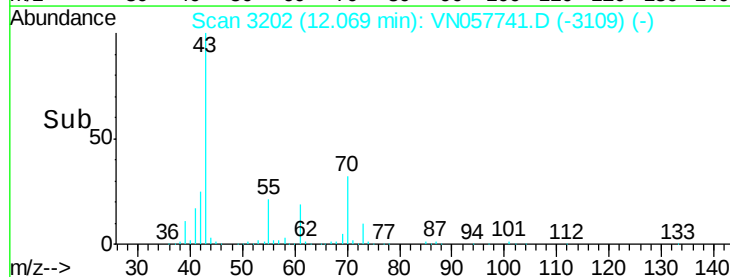
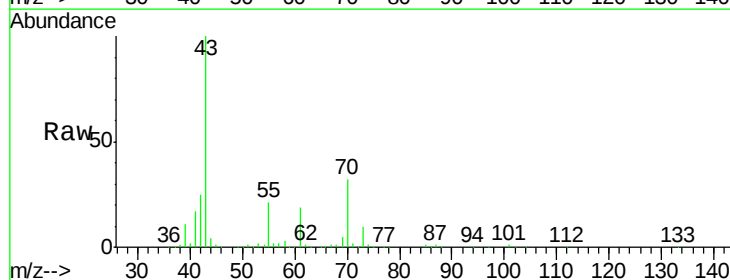
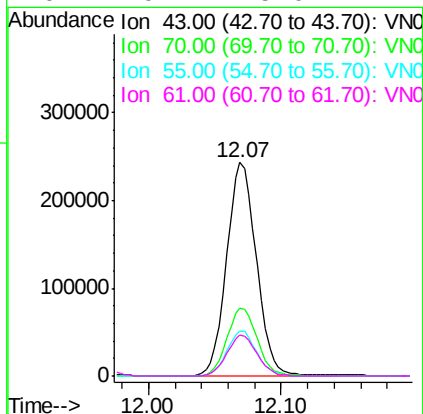
Ion Ratio Lower Upper

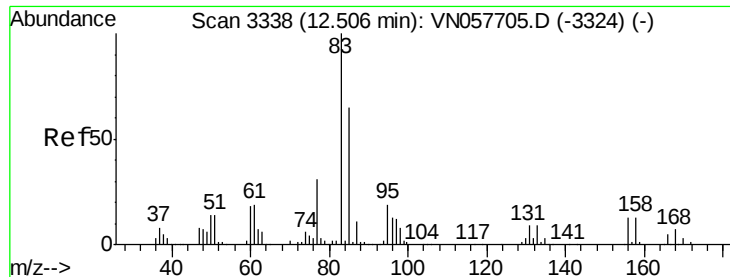
43 100

70 32.3 26.1 39.1

55 21.3 16.3 24.5

61 19.4 15.0 22.4





#75

1,1,2,2-Tetrachloroethane

Concen: 45.686 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057741.D

Acq: 7 Sep 2019 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 237028
Ion Ratio Lower Upper

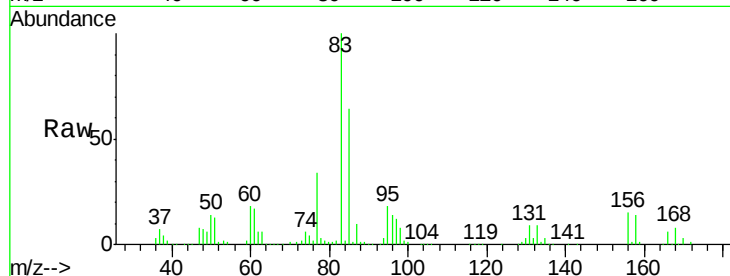
83 100

131 9.7 4.5 13.5

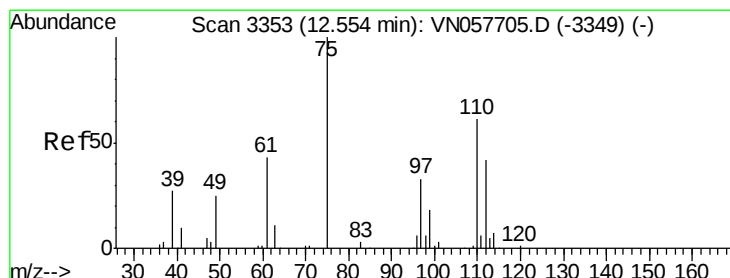
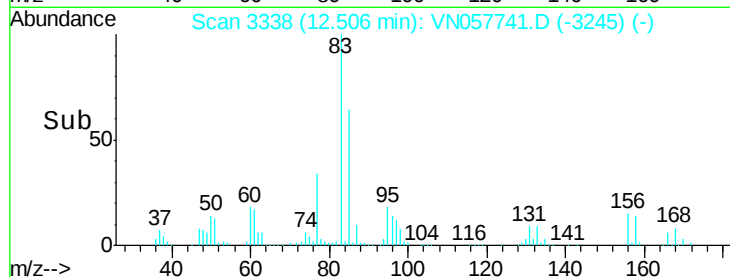
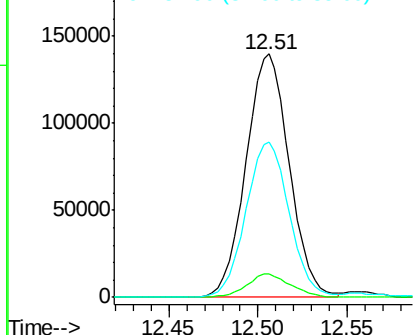
85 63.9 31.8 95.3

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 45.541 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

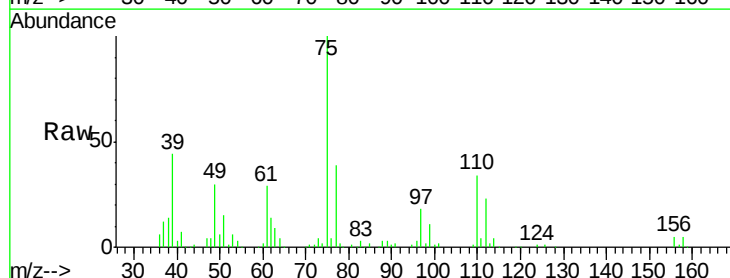
Lab File: VN057741.D

Acq: 7 Sep 2019 10:32

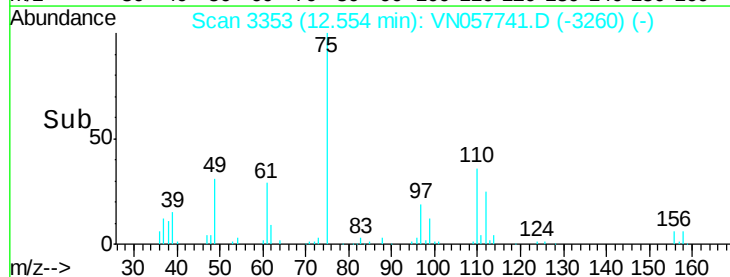
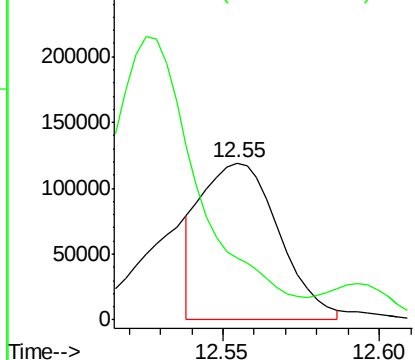
Tgt Ion: 75 Resp: 204667
Ion Ratio Lower Upper

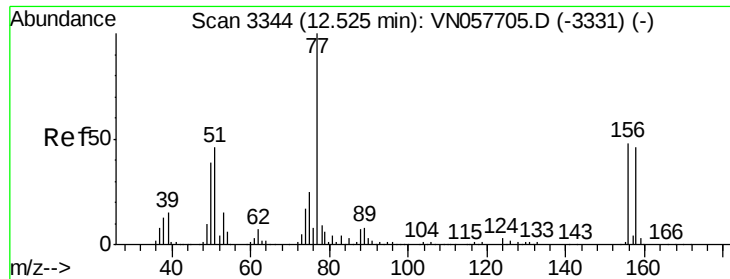
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 50.783 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057741.D

Acq: 7 Sep 2019 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 190888

Ion Ratio Lower Upper

156 100

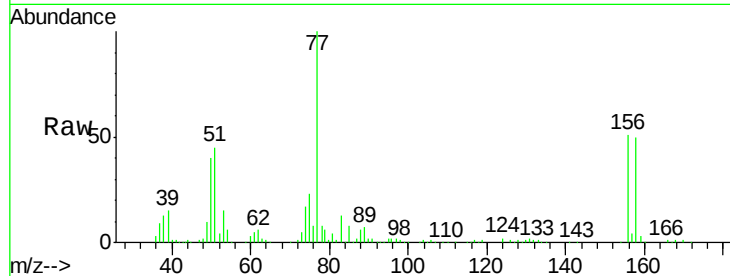
77 227.8 125.4 376.2

158 96.9 49.3 147.9

Manual Integrations
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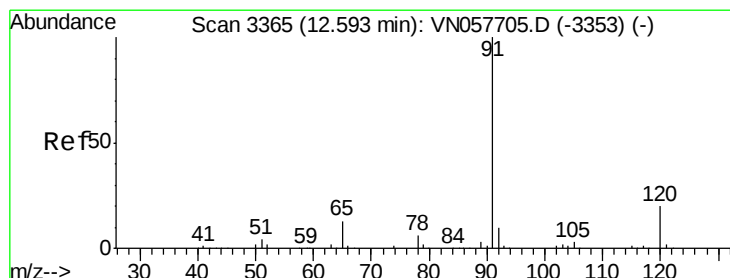
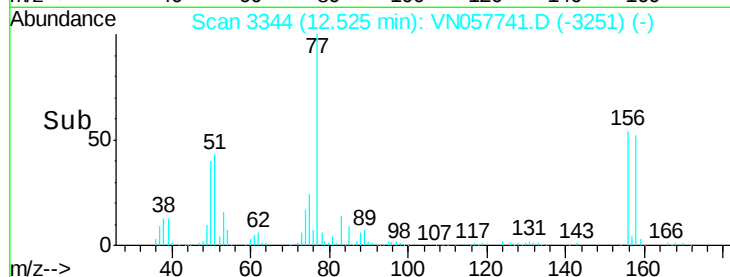
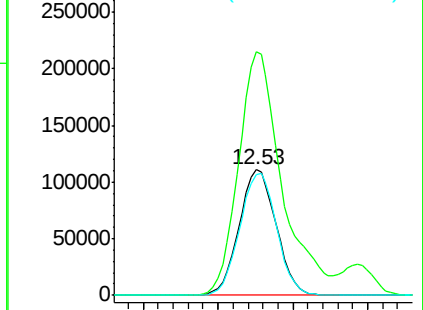
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.768 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057741.D

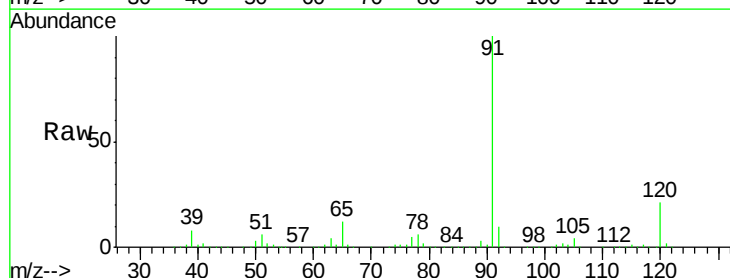
Acq: 7 Sep 2019 10:32

Tgt Ion: 91 Resp: 981937

Ion Ratio Lower Upper

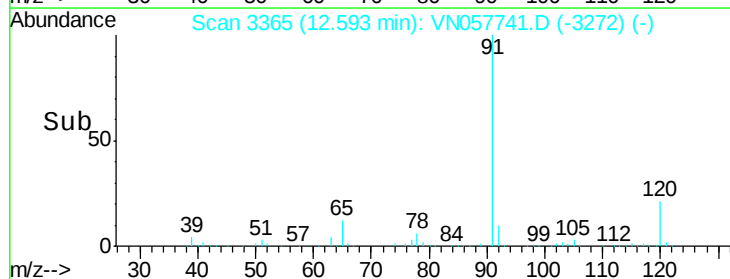
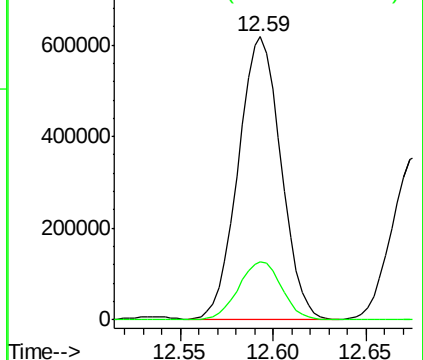
91 100

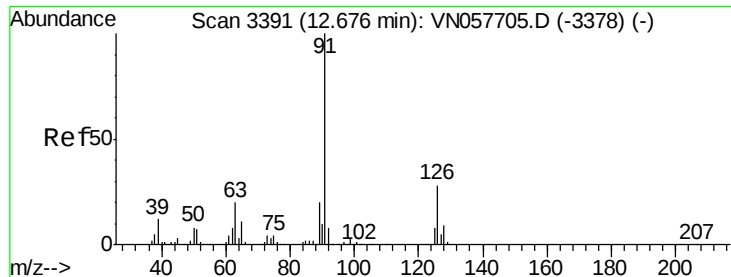
120 20.8 10.0 30.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.101 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057741.D

Acq: 7 Sep 2019 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 576918

Ion Ratio Lower Upper

91 100

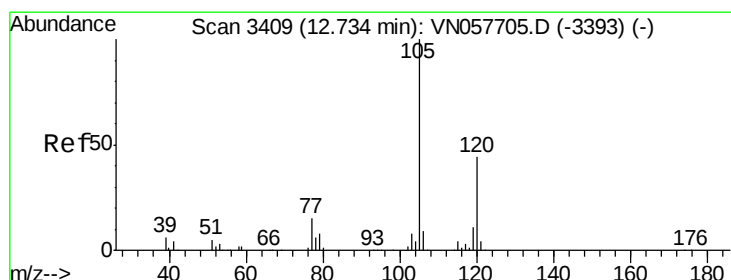
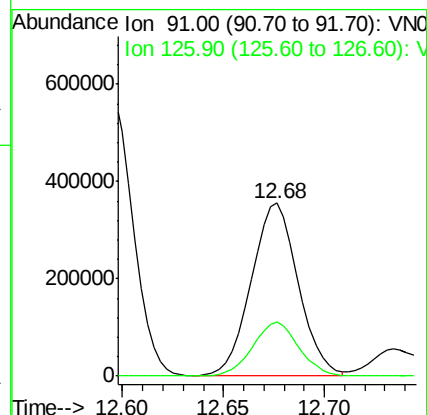
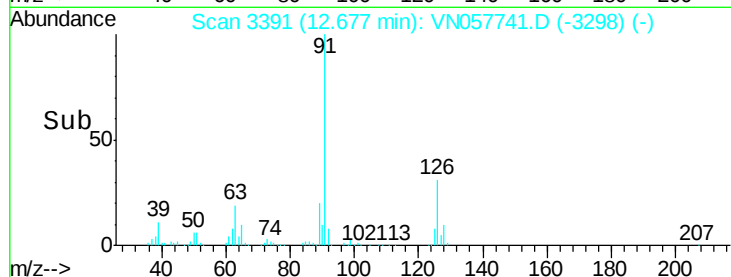
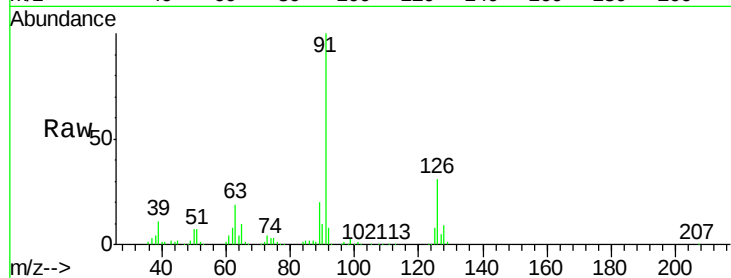
126 31.0 14.5 43.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 48.134 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057741.D

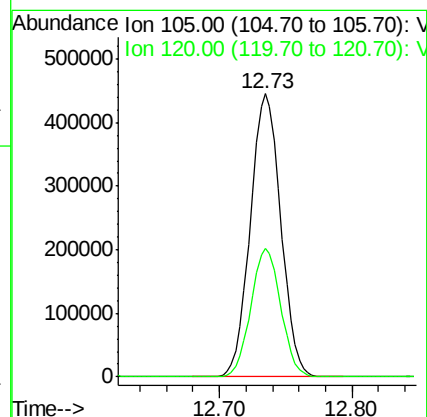
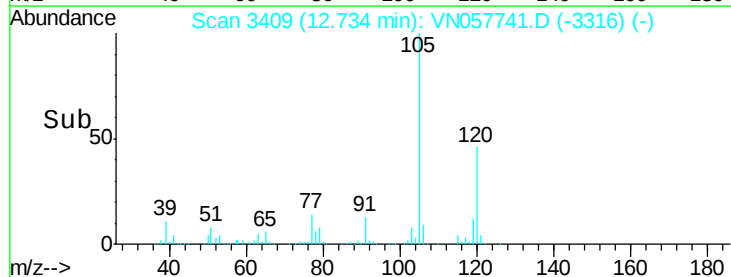
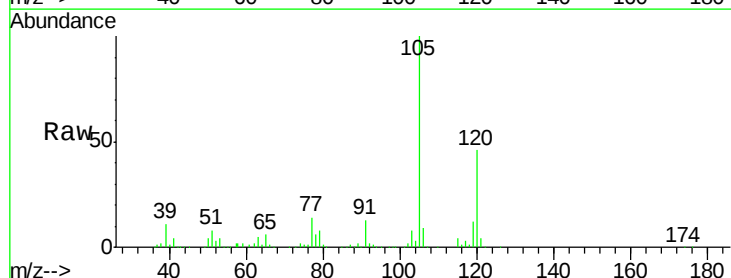
Acq: 7 Sep 2019 10:32

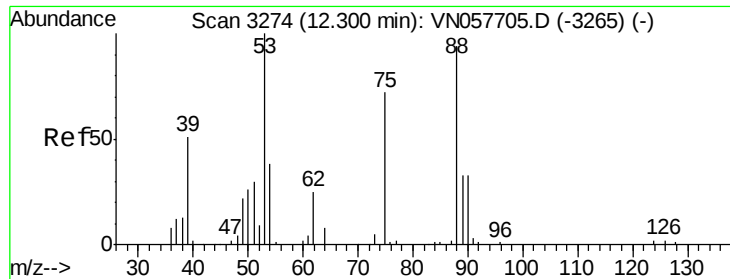
Tgt Ion: 105 Resp: 707454

Ion Ratio Lower Upper

105 100

120 44.8 22.3 66.8





#81

trans-1,4-Dichloro-2-butene

Concen: 43.813 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057741.D

Acq: 7 Sep 2019 10:32

Instrument :

MSVOA_N

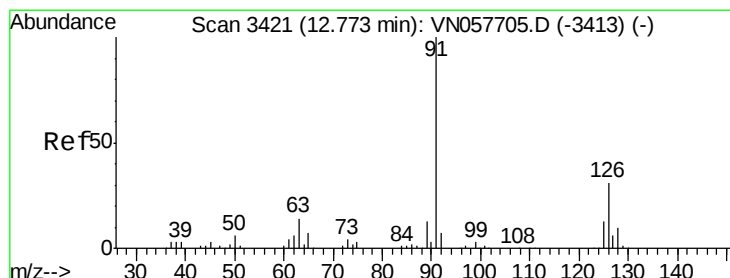
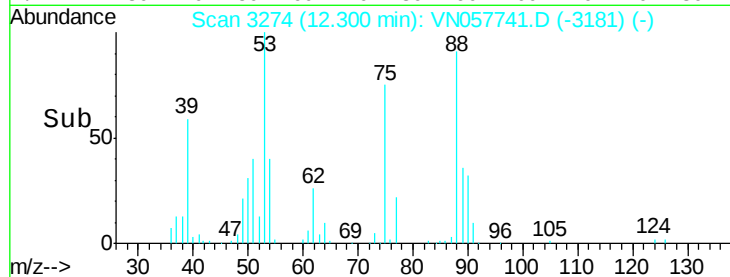
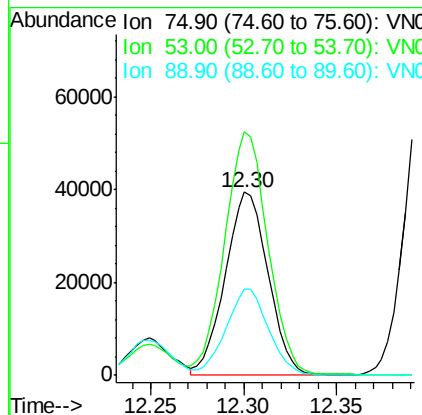
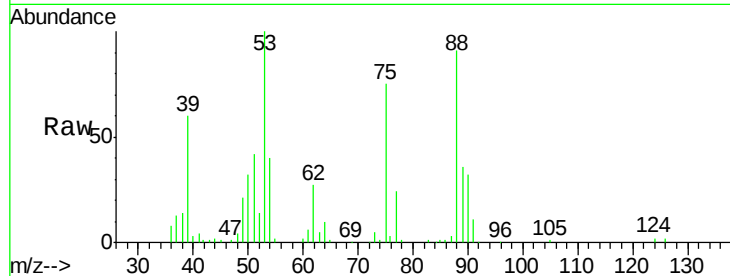
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	63312
Ion	Ratio	Lower	Upper
75	100		
53	133.2	107.0	160.6
89	46.6	36.5	54.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 46.954 ug/l

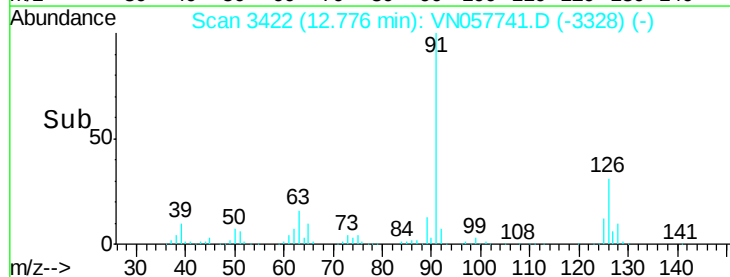
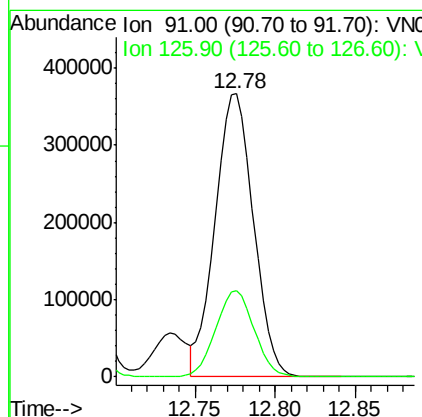
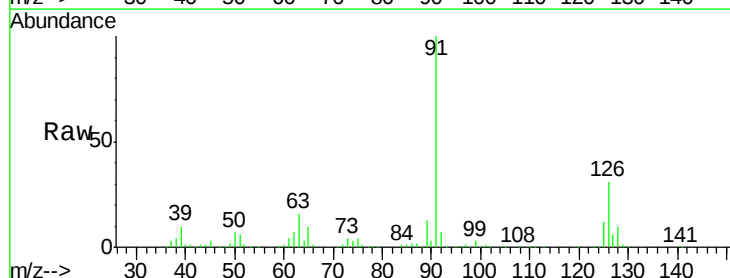
RT: 12.78 min Scan# 3422

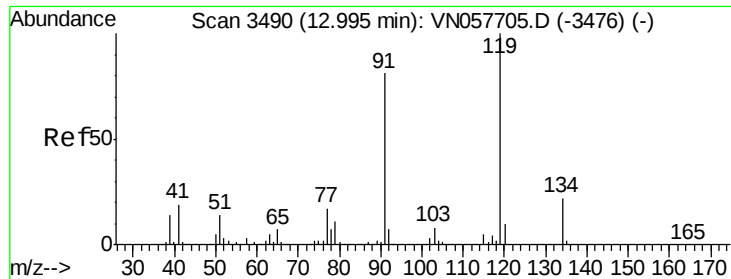
Delta R.T. 0.00 min

Lab File: VN057741.D

Acq: 7 Sep 2019 10:32

Tgt Ion:	91	Resp:	605154
Ion	Ratio	Lower	Upper
91	100		
126	30.4	14.4	43.4





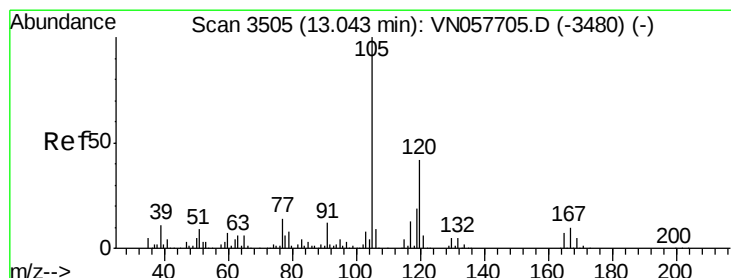
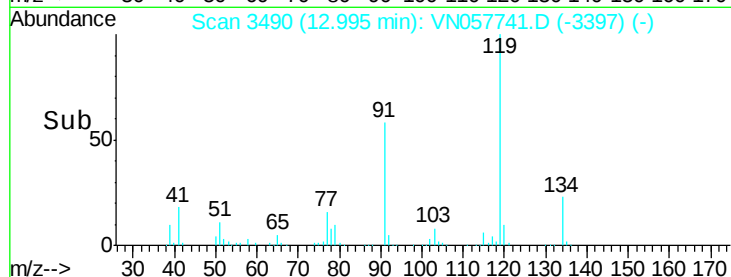
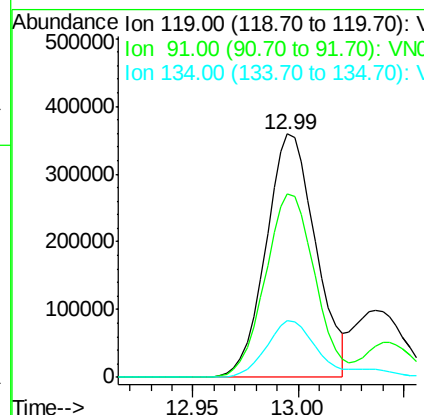
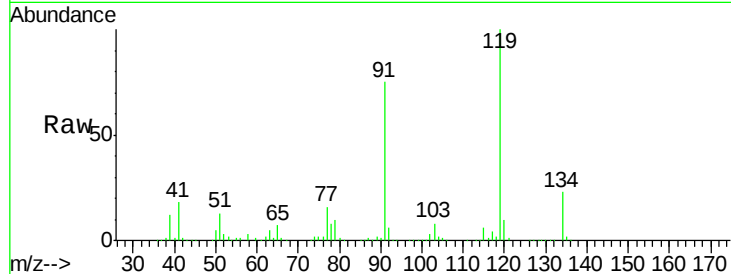
#83
 tert-Butylbenzene
 Concen: 47.364 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057741.D
 Acq: 7 Sep 2019 10:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	586864		
91	75.3	39.6	118.8	
134	23.2	11.3	33.8	

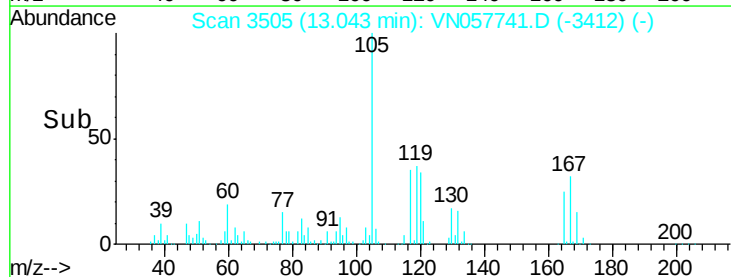
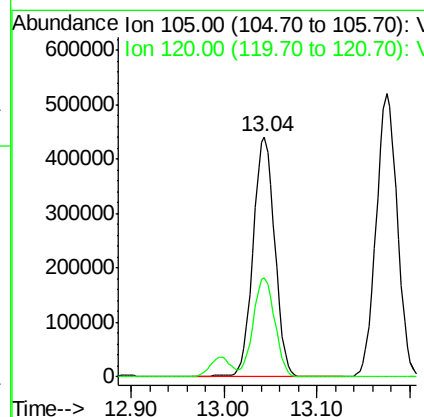
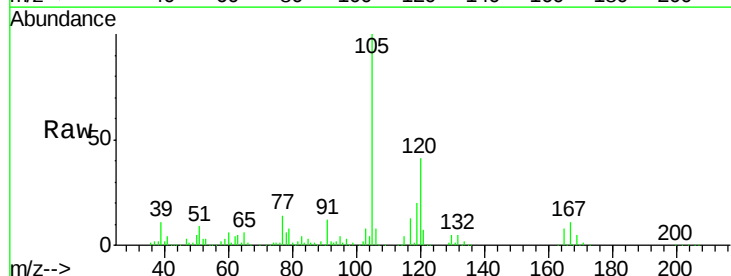
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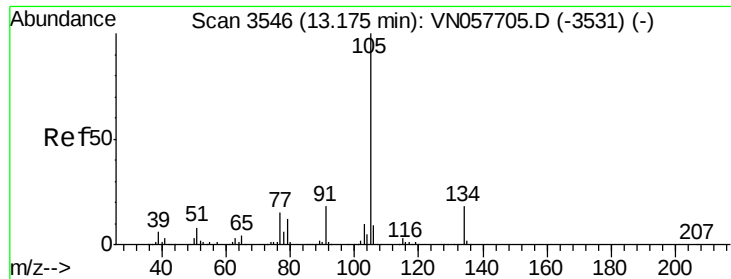
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.998 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057741.D
 Acq: 7 Sep 2019 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	713350		
120	41.4	20.8	62.5	





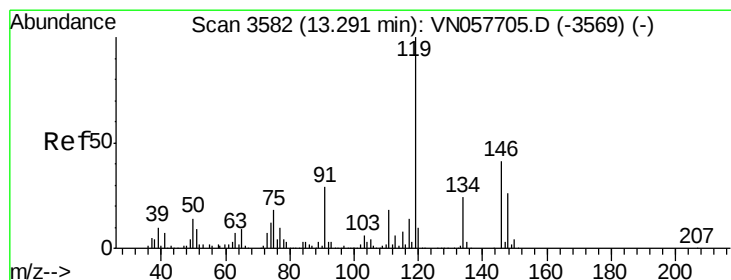
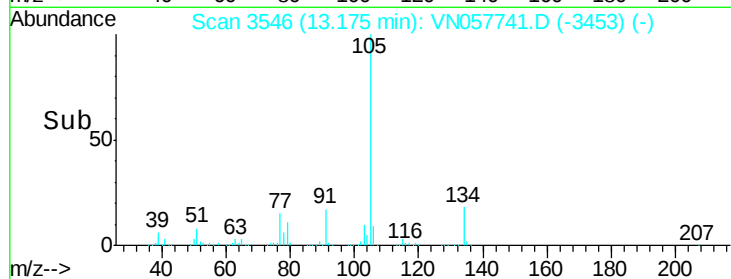
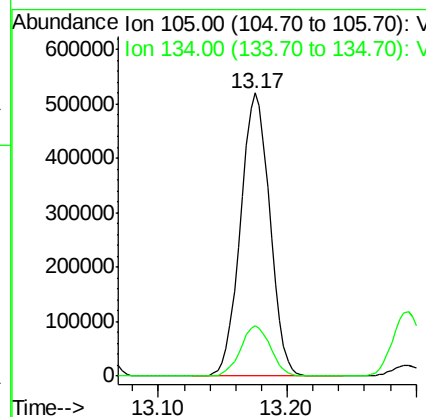
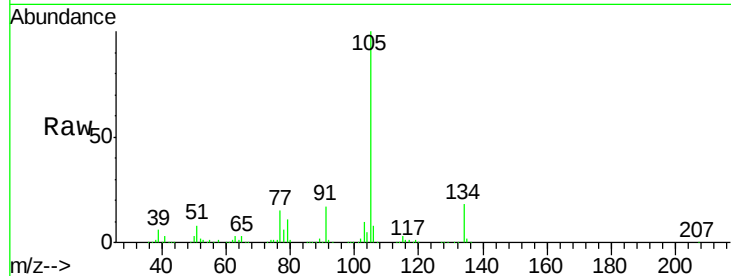
#85
 sec-Butylbenzene
 Concen: 47.986 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057741.D
 Acq: 7 Sep 2019 10:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.3	8.8	26.5

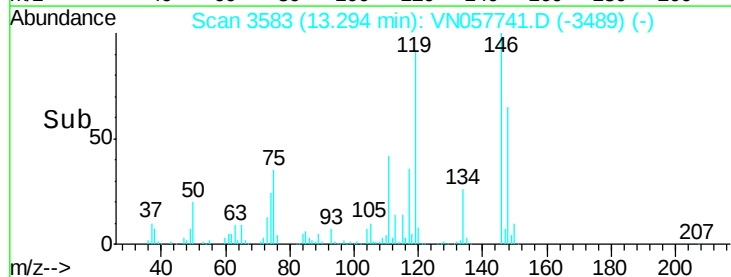
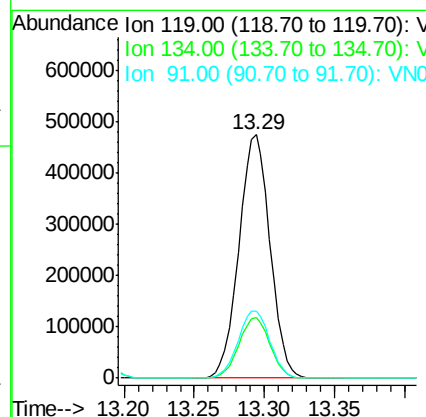
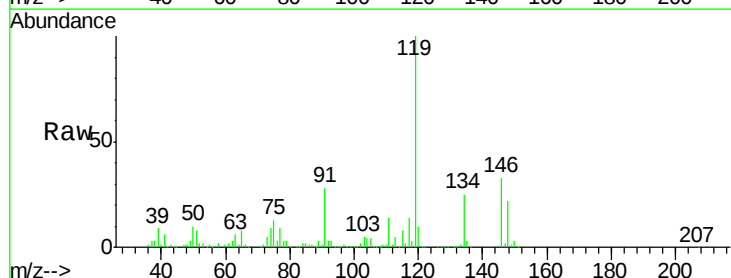
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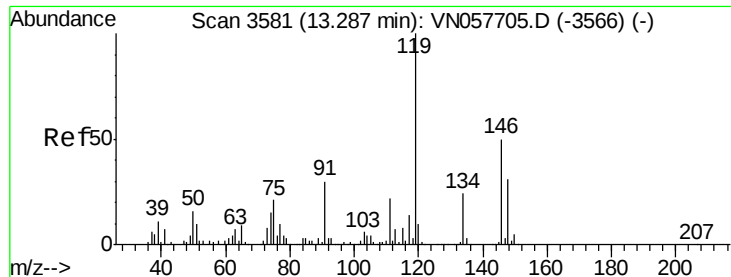
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#86
 p-Isopropyltoluene
 Concen: 50.582 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN057741.D
 Acq: 7 Sep 2019 10:32

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.4	37.0
91	28.1	14.8	44.3





#87

1,3-Dichlorobenzene

Concen: 49.927 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN057741.D

Acq: 7 Sep 2019 10:32

Instrument :

MSVOA_N

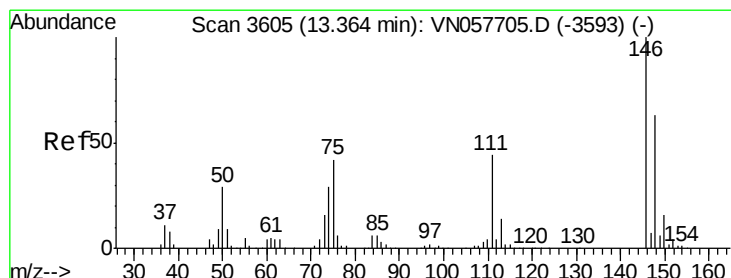
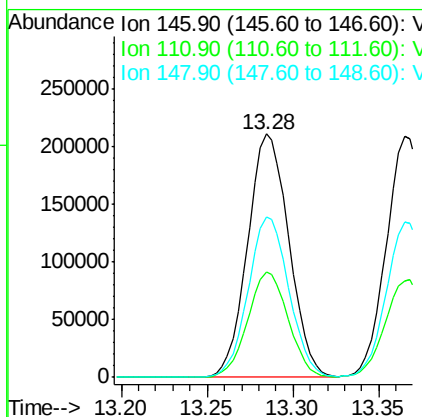
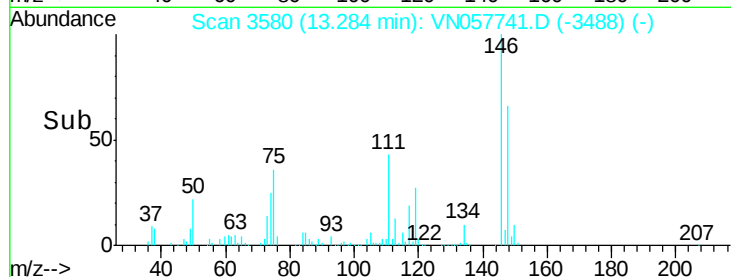
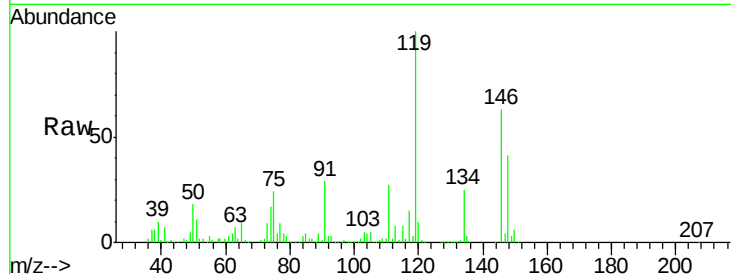
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	350839
Ion Ratio	Lower	Upper	
146	100		
111	42.5	22.3	66.8
148	64.9	31.5	94.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.757 ug/l

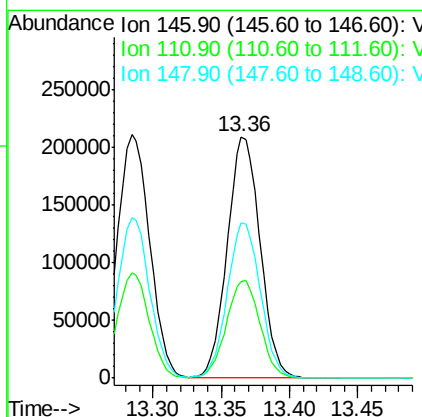
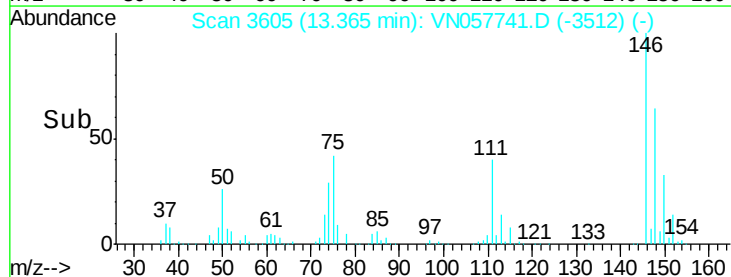
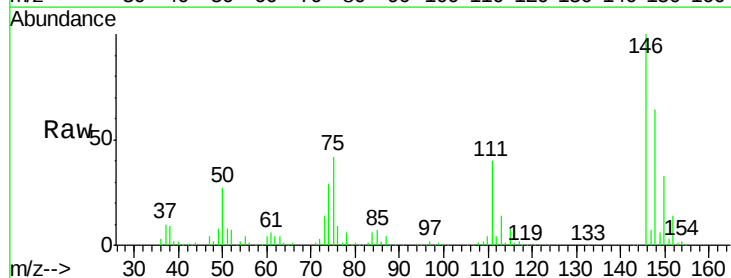
RT: 13.36 min Scan# 3605

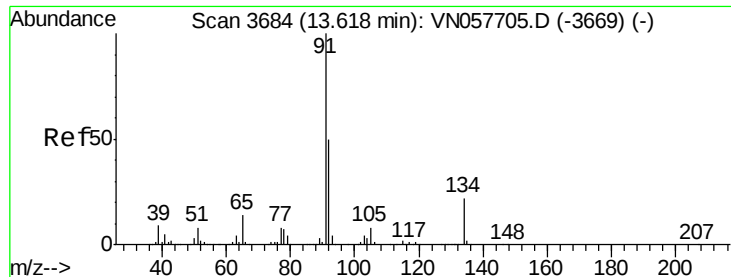
Delta R.T. 0.00 min

Lab File: VN057741.D

Acq: 7 Sep 2019 10:32

Tgt Ion:	146	Resp:	349767
Ion Ratio	Lower	Upper	
146	100		
111	41.5	22.3	66.9
148	64.6	31.9	95.7





#89

n-Butylbenzene

Concen: 48.338 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN057741.D

Acq: 7 Sep 2019 10:32

Instrument :

MSVOA_N

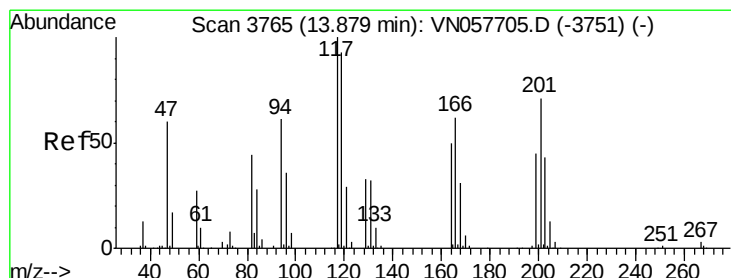
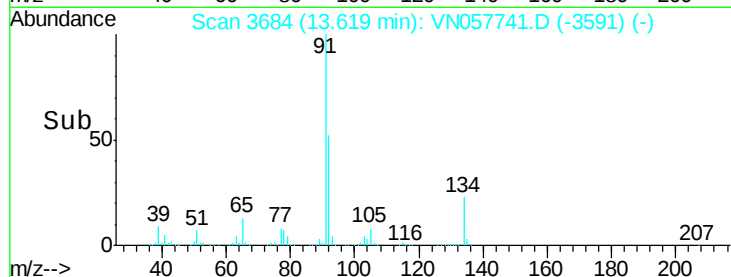
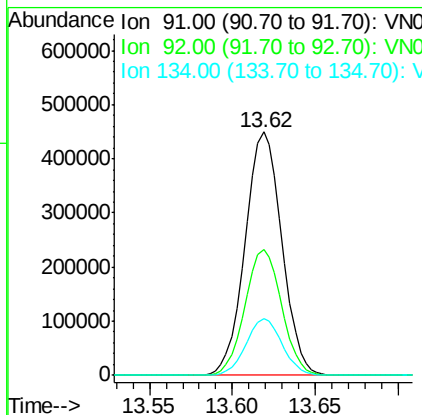
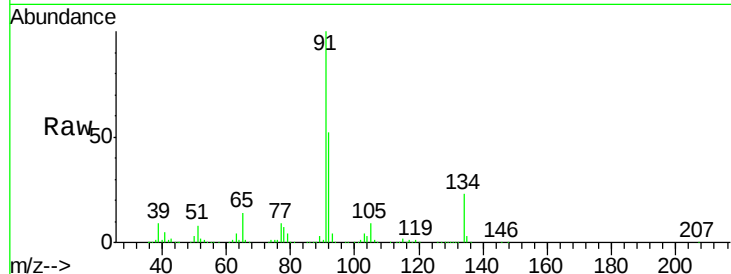
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	691577
Ion Ratio	Lower	Upper	
91	100		
92	51.6	25.6	76.8
134	23.0	11.2	33.5

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#90

Hexachloroethane

Concen: 50.908 ug/l

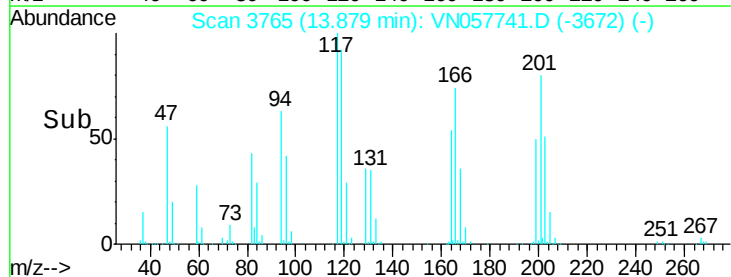
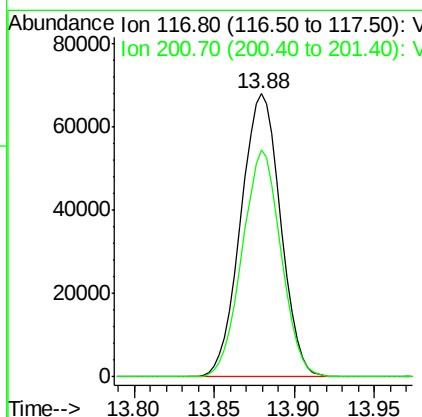
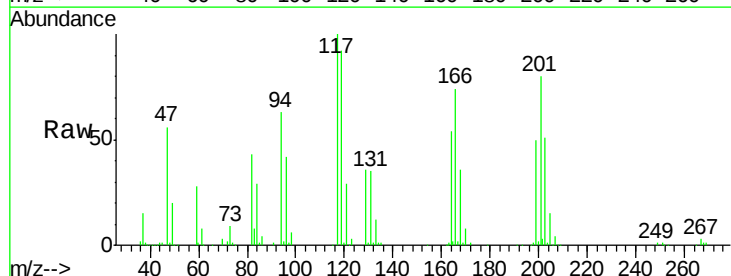
RT: 13.88 min Scan# 3765

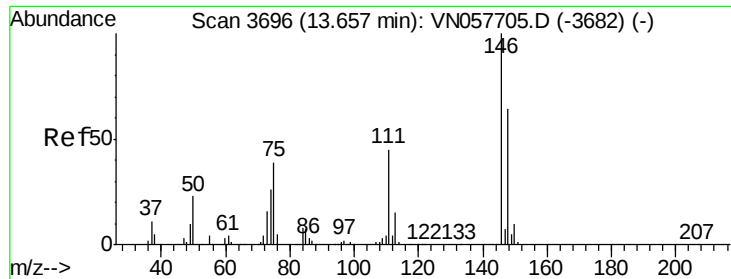
Delta R.T. 0.00 min

Lab File: VN057741.D

Acq: 7 Sep 2019 10:32

Tgt Ion:	117	Resp:	115397
Ion Ratio	Lower	Upper	
117	100		
201	78.2	36.4	109.2





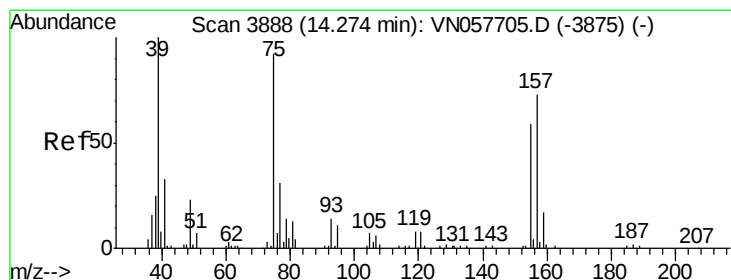
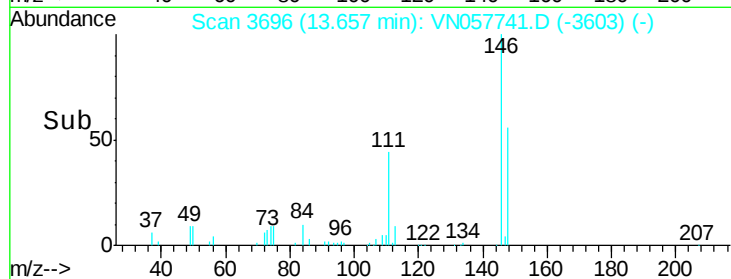
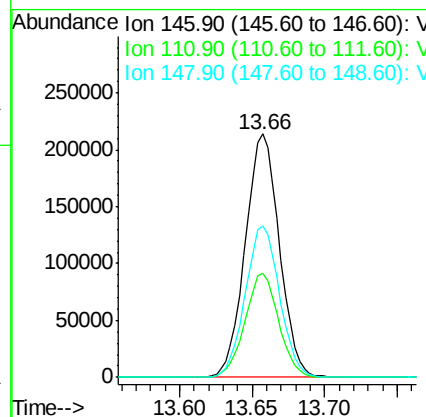
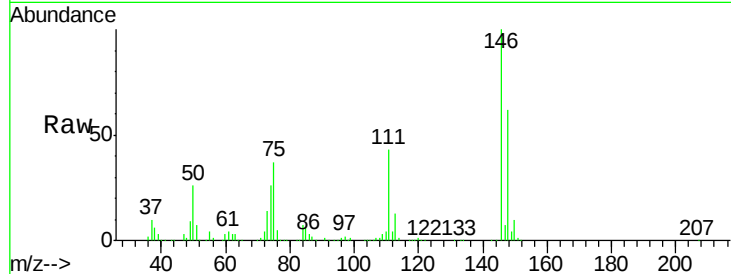
#91
 1,2-Dichlorobenzene
 Concen: 50.645 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057741.D
 Acq: 7 Sep 2019 10:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	22.8	68.3
148	62.5	31.6	95.0

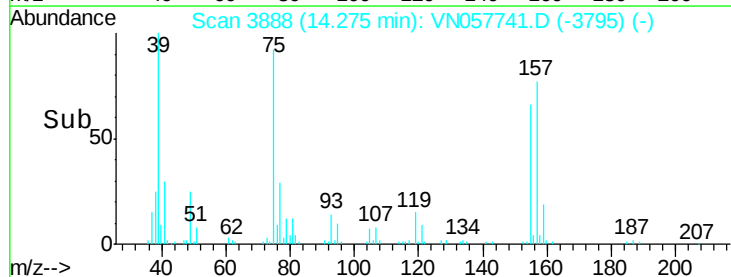
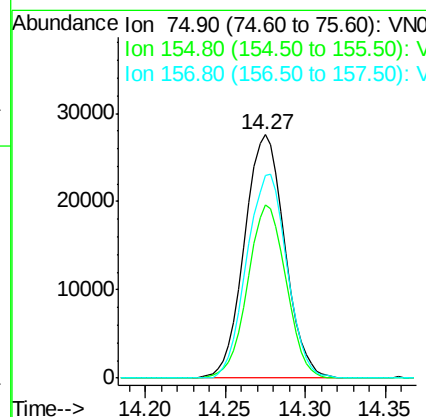
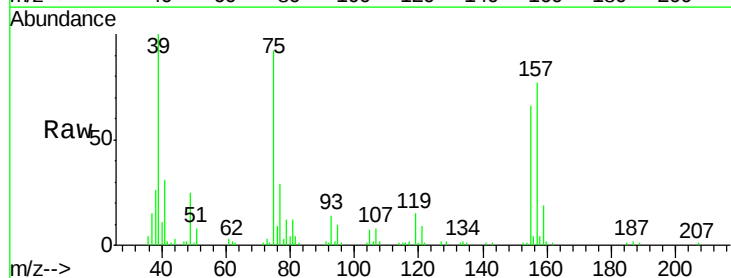
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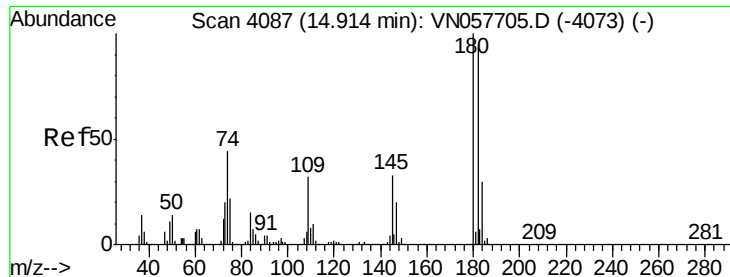
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.386 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057741.D
 Acq: 7 Sep 2019 10:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	67.8	30.1	90.5
157	83.7	38.1	114.5





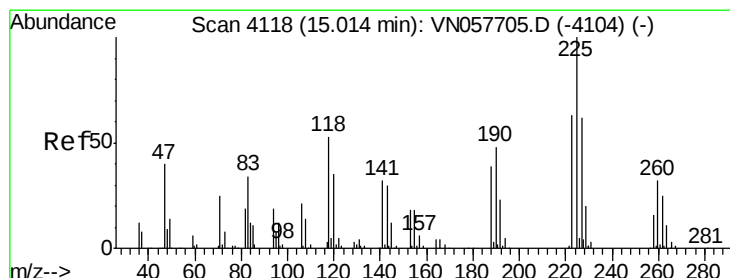
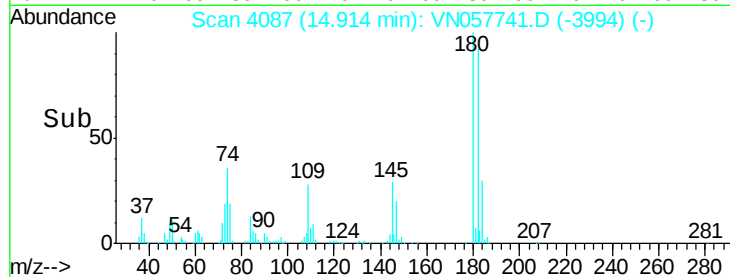
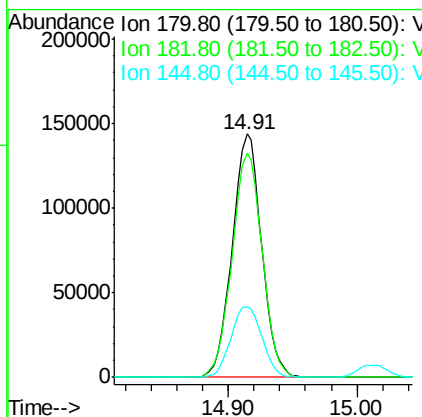
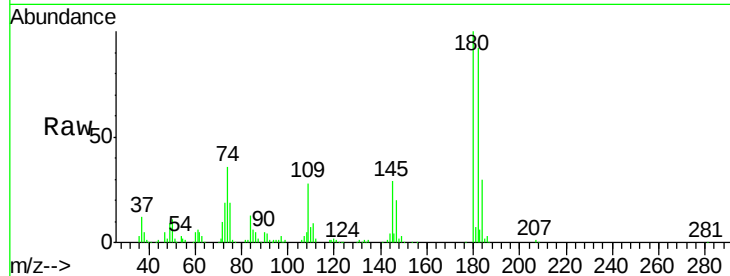
#93
 1,2,4-Trichlorobenzene
 Concen: 54.984 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057741.D
 Acq: 7 Sep 2019 10:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	227575		
182	94.6	47.6	142.9	
145	30.9	16.6	49.7	

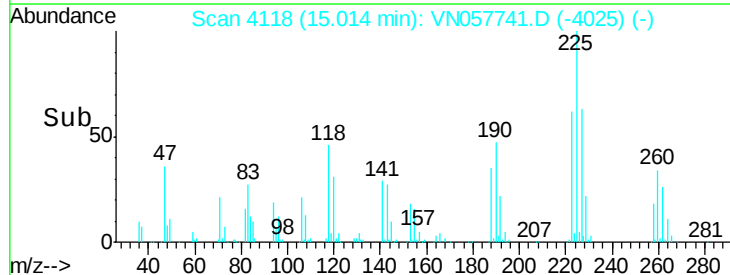
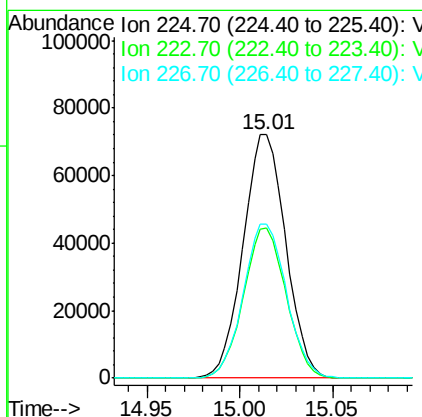
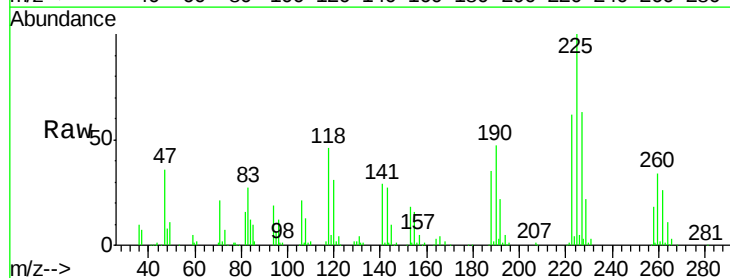
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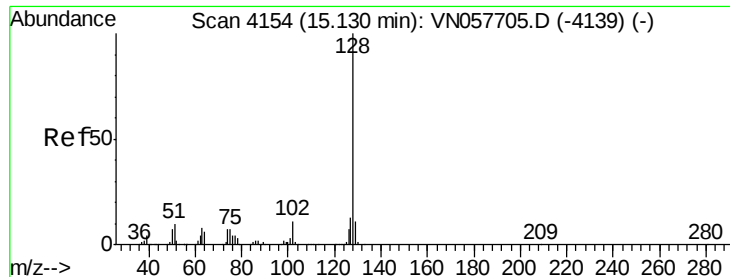
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#94
 Hexachlorobutadiene
 Concen: 57.403 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057741.D
 Acq: 7 Sep 2019 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	115804		
223	61.6	31.6	95.0	
227	64.2	31.7	95.1	





#95

Naphthalene

Concen: 49.368 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057741.D

Acq: 7 Sep 2019 10:32

Instrument :

MSVOA_N

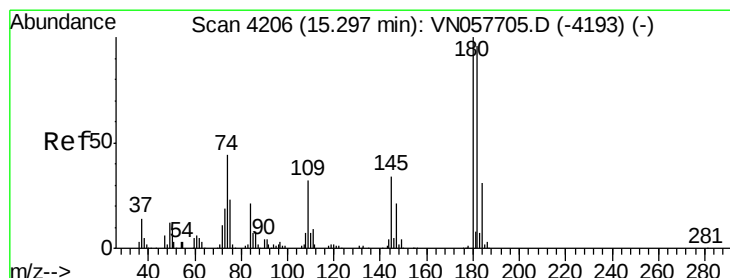
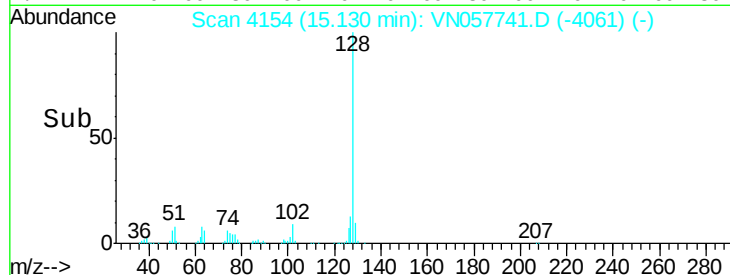
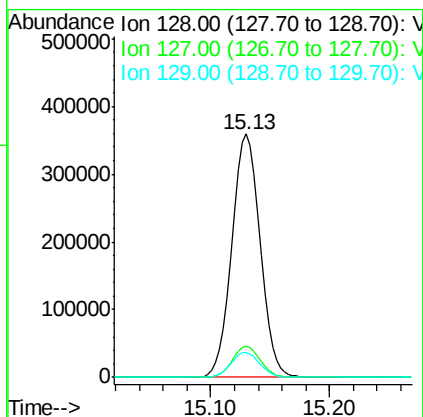
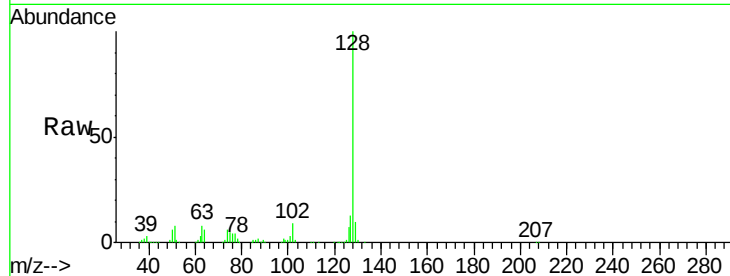
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	592784
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.6	15.8
129	10.5	8.4	12.6

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 52.701 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057741.D

Acq: 7 Sep 2019 10:32

Tgt Ion:	180	Resp:	209078
Ion Ratio	Lower	Upper	
180	100		
182	97.0	47.0	141.2
145	32.7	17.5	52.6

