

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090619\
 Data File : VN057710.D
 Acq On : 6 Sep 2019 14:23
 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
 9/9/2019 1:10:50 PM

Quant Time: Sep 06 23:31:16 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	197592	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	314819	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	296555	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	168805	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	232508	48.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.74%	
35) Dibromofluoromethane	7.57	113	146381	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
50) Toluene-d8	10.08	98	569815	53.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.44%	
62) 4-Bromofluorobenzene	12.40	95	232061	52.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	159398	50.798	ug/l	96
3) Chloromethane	2.03	50	165137	45.097	ug/l	100
4) Vinyl Chloride	2.16	62	131019	48.214	ug/l	97
5) Bromomethane	2.54	94	69875	55.988	ug/l	100
6) Chloroethane	2.68	64	78088	48.675	ug/l	93
7) Trichlorofluoromethane	2.99	101	199905	45.838	ug/l	100
8) Diethyl Ether	3.39	74	88809	50.964	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	139468	51.242	ug/l	96
10) Methyl Iodide	3.92	142	148920	55.224	ug/l	96
11) Tert butyl alcohol	4.76	59	129119	236.420	ug/l	100
12) 1,1-Dichloroethene	3.71	96	125839	51.388	ug/l	99
13) Acrolein	3.58	56	62530	240.749	ug/l	95
14) Allyl chloride	4.30	41	280892	50.195	ug/l	98
15) Acrylonitrile	4.96	53	374004	266.364	ug/l	100
16) Acetone	3.79	43	373277	252.344	ug/l	97
17) Carbon Disulfide	4.02	76	284566	51.290	ug/l	99
18) Methyl Acetate	4.30	43	189553	47.122	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	518114	50.396	ug/l	98
20) Methylene Chloride	4.52	84	158184	49.457	ug/l	93
21) trans-1,2-Dichloroethene	5.01	96	132944	51.593	ug/l	95
22) Diisopropyl ether	5.93	45	607480	51.317	ug/l	98
23) Vinyl Acetate	5.87	43	2583746	269.658	ug/l	100
24) 1,1-Dichloroethane	5.82	63	306256	50.456	ug/l	99
25) 2-Butanone	6.81	43	553812	261.432	ug/l	100
26) 2,2-Dichloropropane	6.80	77	271747	53.666	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	169590	52.433	ug/l	96
28) Bromochloromethane	7.18	49	162513	51.172	ug/l	98
29) Tetrahydrofuran	7.19	42	346490	253.628	ug/l	98
30) Chloroform	7.35	83	323612	51.166	ug/l	99
31) Cyclohexane	7.63	56	266442	49.385	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	275334	52.263	ug/l	99
36) 1,1-Dichloropropene	7.77	75	219349	52.373	ug/l	98
37) Ethyl Acetate	6.91	43	229256	55.137	ug/l	100
38) Carbon Tetrachloride	7.76	117	218700	54.535	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	242461	54.732	ug/l	99
40) Benzene	8.03	78	634096	53.527	ug/l	99
41) Methacrylonitrile	7.15	41	111028	54.627	ug/l #	90
42) 1,2-Dichloroethane	8.11	62	286109	51.526	ug/l	99
43) Isopropyl Acetate	8.15	43	420210	52.652	ug/l	98
44) Trichloroethene	8.82	130	149256	56.060	ug/l	96
45) 1,2-Dichloropropane	9.11	63	177347	53.528	ug/l	99
46) Dibromomethane	9.20	93	115882	54.527	ug/l	98
47) Bromodichloromethane	9.39	83	247763	54.856	ug/l	100
48) Methyl methacrylate	9.19	41	210109	51.190	ug/l	99
49) 1,4-Dioxane	9.19	88	52827	1106.162	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1219568	275.158	ug/l	99
52) Toluene	10.15	92	391770	54.565	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	260713	57.537	ug/l	96
54) cis-1,3-Dichloropropene	9.83	75	272236	55.608	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	158693	54.922	ug/l	97
56) Ethyl methacrylate	10.43	69	259517	56.271	ug/l	95
57) 1,3-Dichloropropane	10.70	76	281650	54.264	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	654981	279.931	ug/l	100
59) 2-Hexanone	10.75	43	901569	288.462	ug/l	99
60) Dibromochloromethane	10.90	129	159509	51.151	ug/l	98
61) 1,2-Dibromoethane	11.00	107	156344	56.362	ug/l	99
64) Tetrachloroethene	10.63	164	125606	54.327	ug/l	96
65) Chlorobenzene	11.43	112	416482	53.838	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	154155	57.269	ug/l	98
67) Ethyl Benzene	11.51	91	799025	53.534	ug/l	99
68) m/p-Xylenes	11.62	106	563030	109.521	ug/l	99
69) o-Xylene	11.95	106	276637	54.345	ug/l	98
70) Styrene	11.96	104	484566	55.015	ug/l	98
71) Bromoform	12.13	173	101859	50.600	ug/l #	98
73) Isopropylbenzene	12.25	105	791457	53.033	ug/l	100
74) N-amyl acetate	12.07	43	384589	51.587	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	232071	51.858	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	205907m	53.118	ug/l	
77) Bromobenzene	12.53	156	176144	54.328	ug/l	95
78) n-propylbenzene	12.59	91	947591	53.443	ug/l	99
79) 2-Chlorotoluene	12.68	91	566697	52.501	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	679207	53.576	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	66408	53.279	ug/l	98
82) 4-Chlorotoluene	12.78	91	587043	52.807	ug/l	99
83) tert-Butylbenzene	13.00	119	562097	52.594	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	674704	53.728	ug/l	100
85) sec-Butylbenzene	13.17	105	782601	53.152	ug/l	99
86) p-Isopropyltoluene	13.29	119	690450	55.332	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	324674	53.566	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	325620	53.703	ug/l	98
89) n-Butylbenzene	13.62	91	689984	55.912	ug/l	98
90) Hexachloroethane	13.88	117	110602	56.568	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	319467	53.535	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	46779	53.060	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	203820	57.092	ug/l	99
94) Hexachlorobutadiene	15.01	225	101700	58.445	ug/l	98
95) Naphthalene	15.13	128	562416	54.303	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	193430	56.526	ug/l	99

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

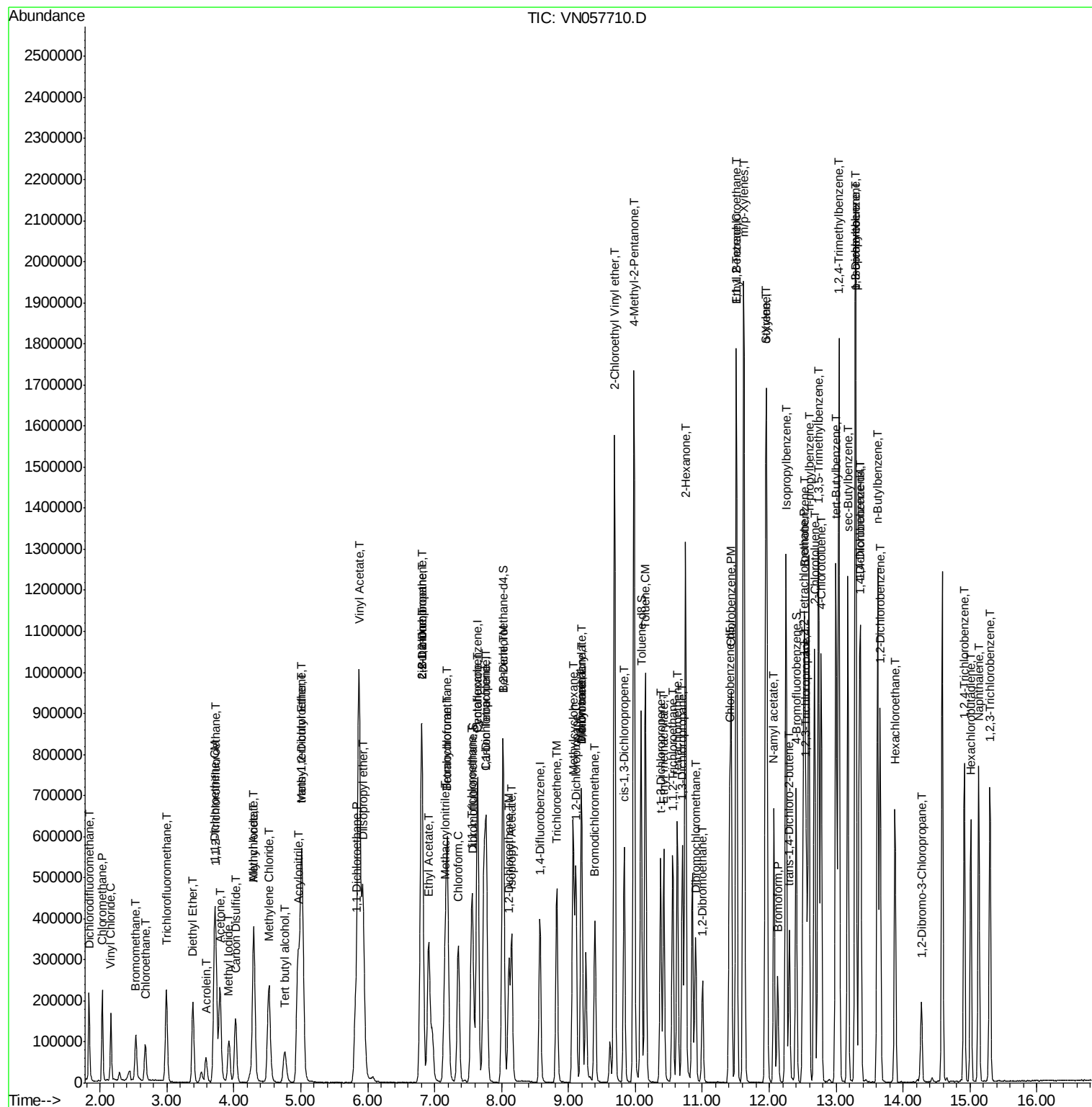
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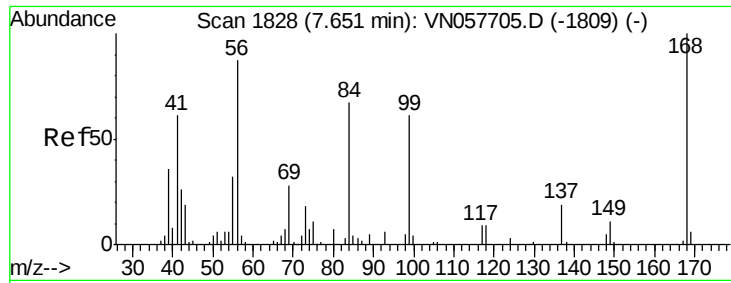
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN057710.D

Acq: 6 Sep 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 197592

Ion Ratio Lower Upper

168 100

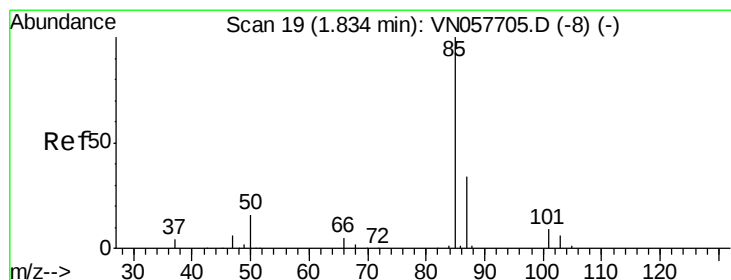
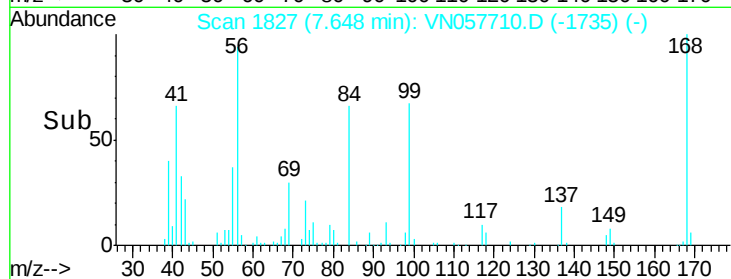
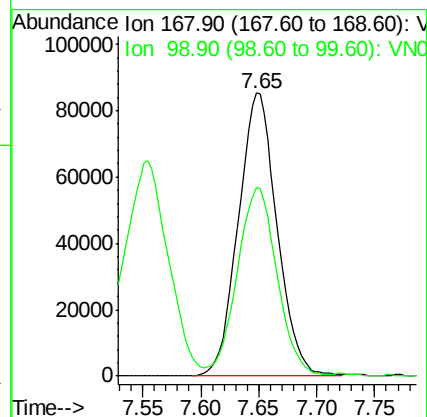
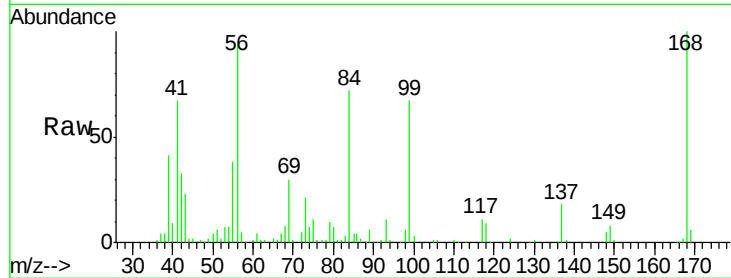
99 65.8 57.4 86.0

Manual Integrations

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9/9/2019 1:10:50 PM



#2

Dichlorodifluoromethane

Concen: 50.798 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057710.D

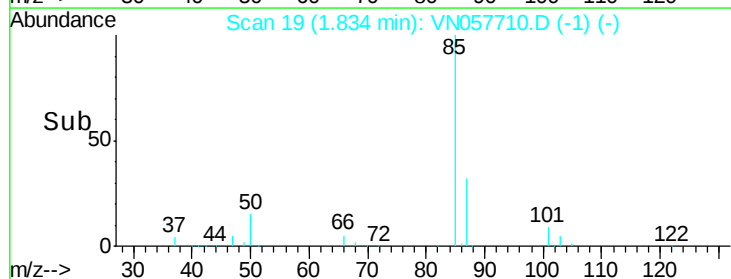
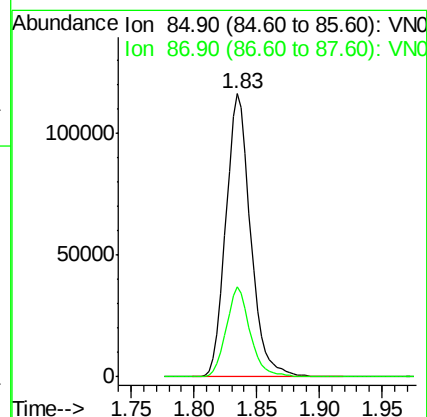
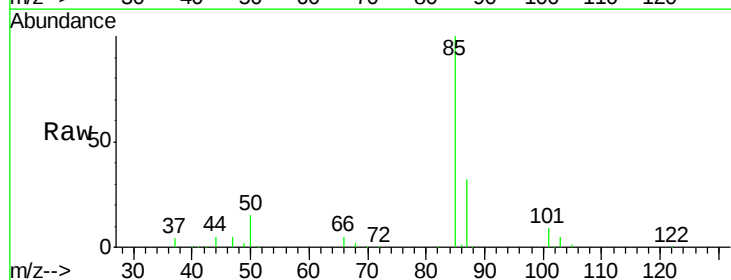
Acq: 6 Sep 2019 14:23

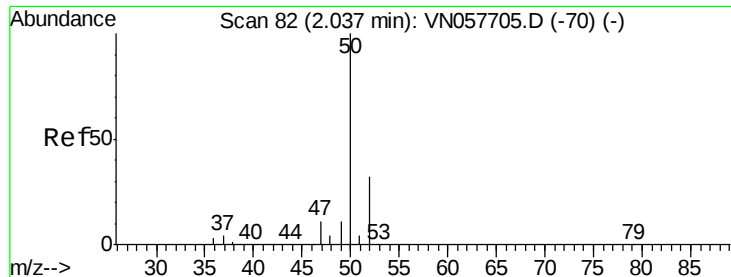
Tgt Ion: 85 Resp: 159398

Ion Ratio Lower Upper

85 100

87 31.6 17.0 51.0





#3

Chloromethane

Concen: 45.097 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN057710.D

Acq: 6 Sep 2019 14:23

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 165137

Ion Ratio Lower Upper

50 100

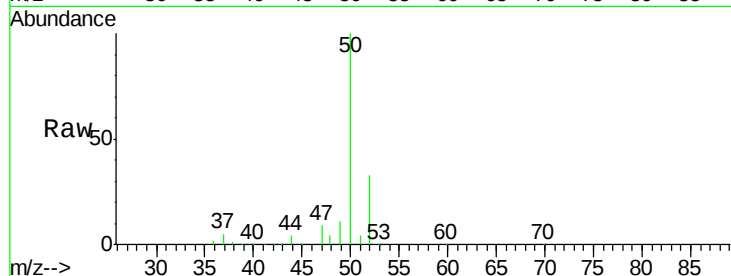
52 32.7 26.0 39.0

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.03

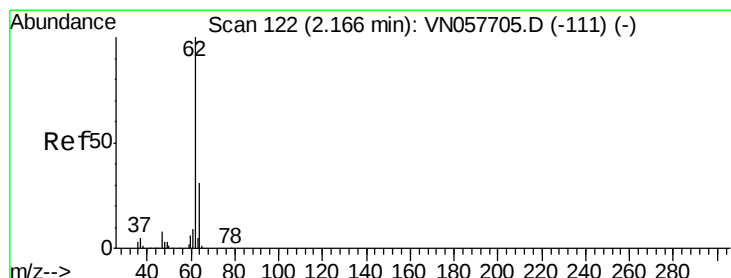
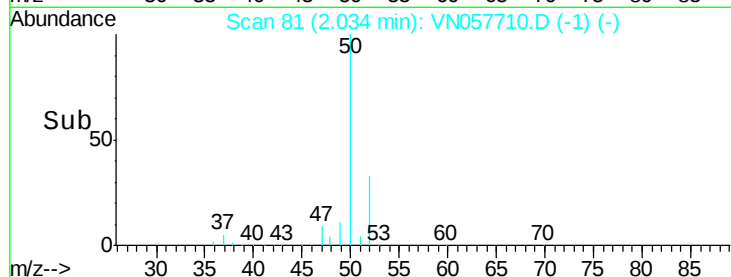
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 48.214 ug/l

RT: 2.16 min Scan# 121

Delta R.T. -0.00 min

Lab File: VN057710.D

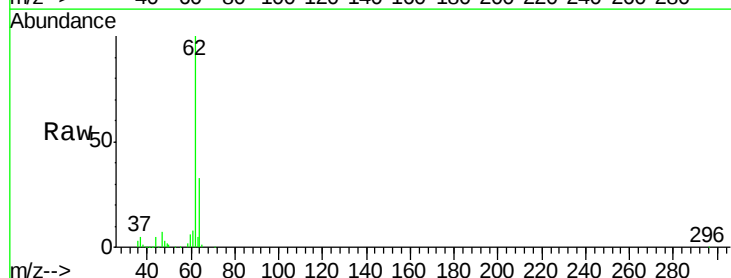
Acq: 6 Sep 2019 14:23

Tgt Ion: 62 Resp: 131019

Ion Ratio Lower Upper

62 100

64 32.9 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

100000

80000

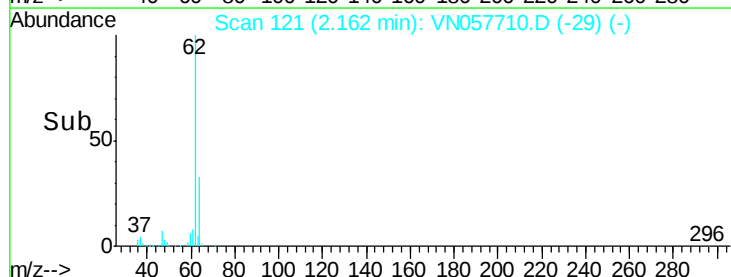
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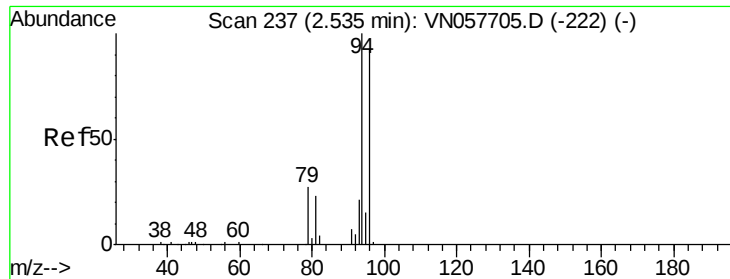
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20000

0

Time-->





#5

Bromomethane

Concen: 55.988 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN057710.D

Acq: 6 Sep 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 69875

Ion Ratio Lower Upper

94 100

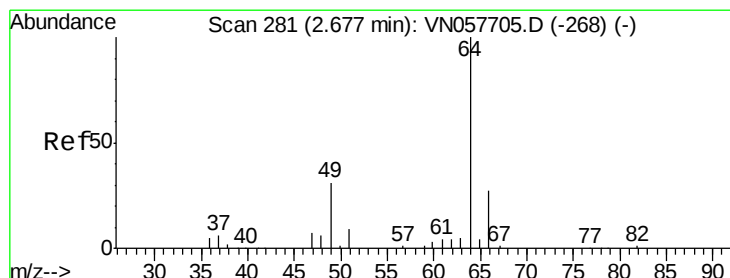
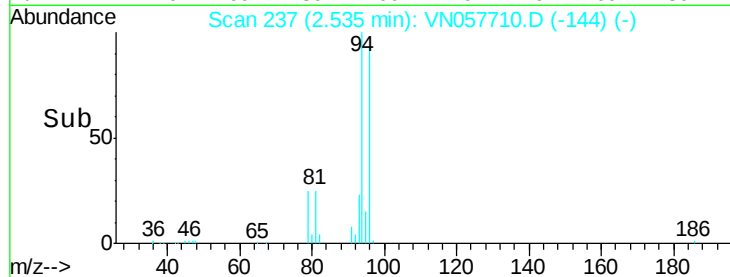
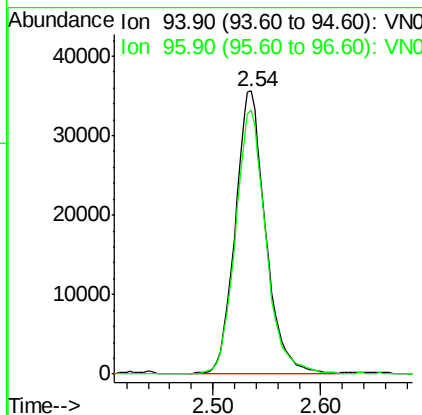
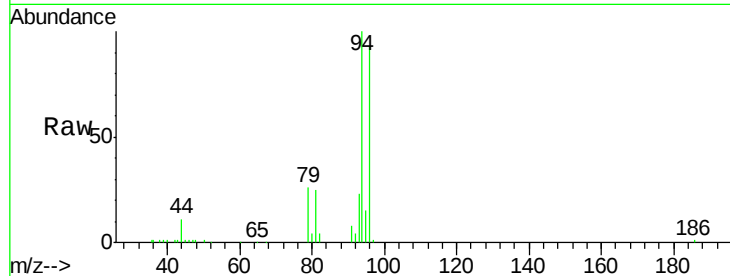
96 93.3 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 48.675 ug/l

RT: 2.68 min Scan# 281

Delta R.T. 0.00 min

Lab File: VN057710.D

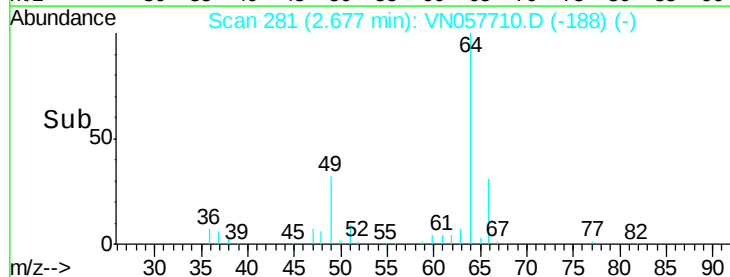
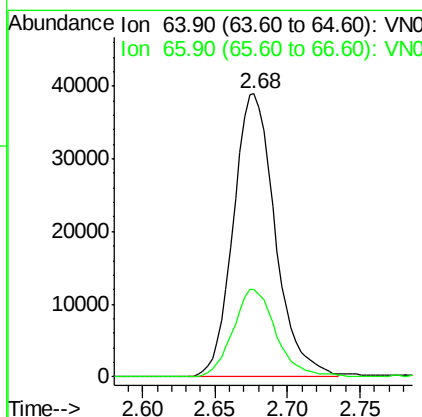
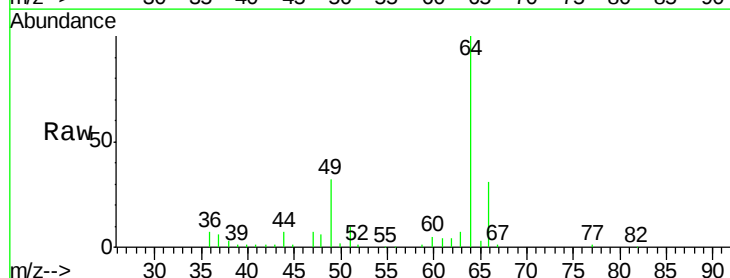
Acq: 6 Sep 2019 14:23

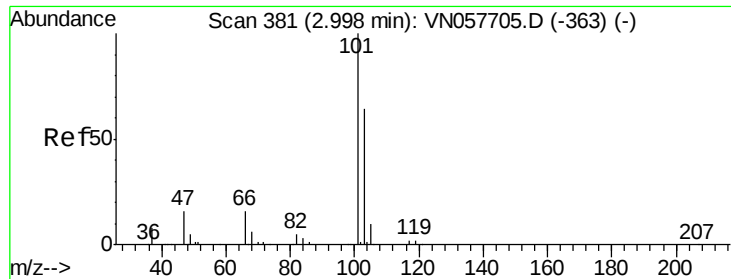
Tgt Ion: 64 Resp: 78088

Ion Ratio Lower Upper

64 100

66 31.0 22.0 33.0





#7

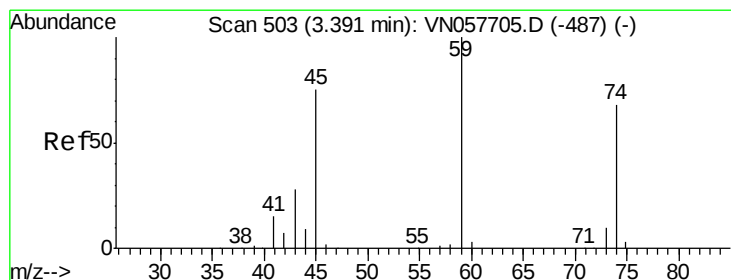
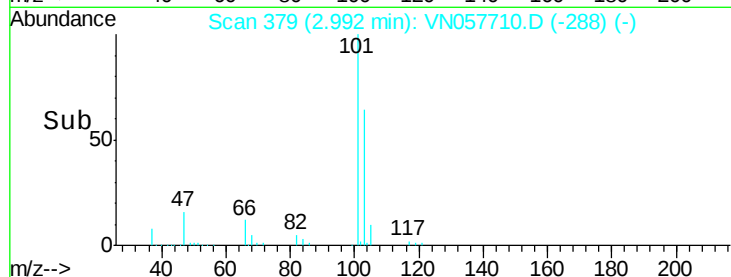
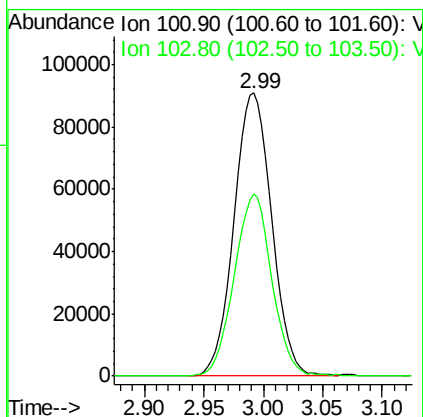
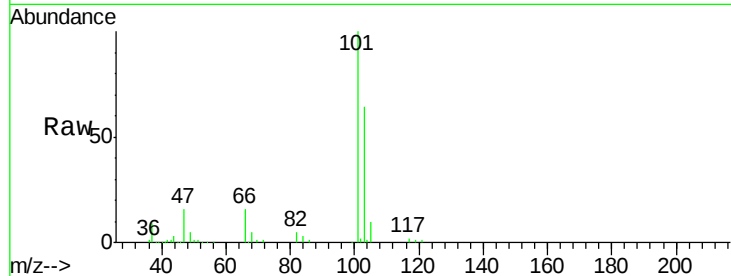
Trichlorofluoromethane
 Concen: 45.838 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. -0.01 min
 Lab File: VN057710.D
 Acq: 6 Sep 2019 14:23

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 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	199905		
103	64.3	51.4	77.0	

Manual Integrations
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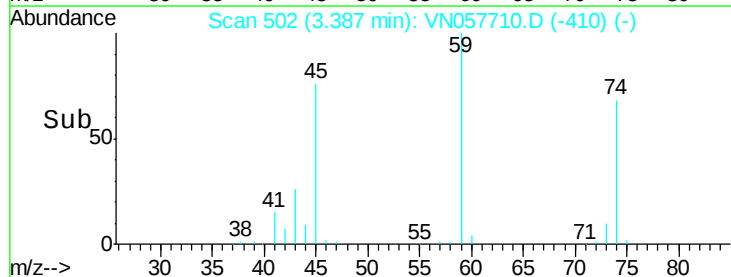
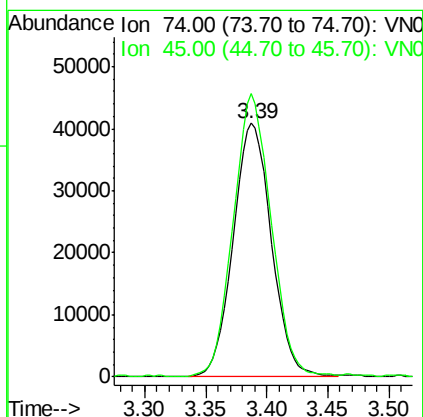
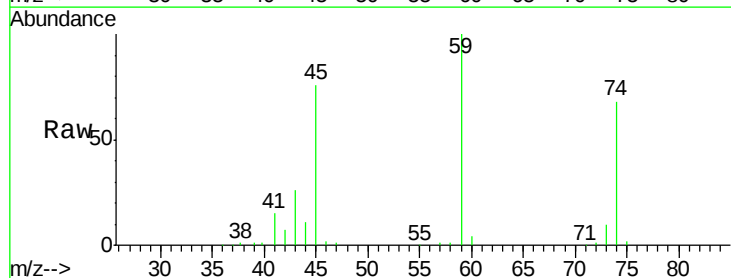
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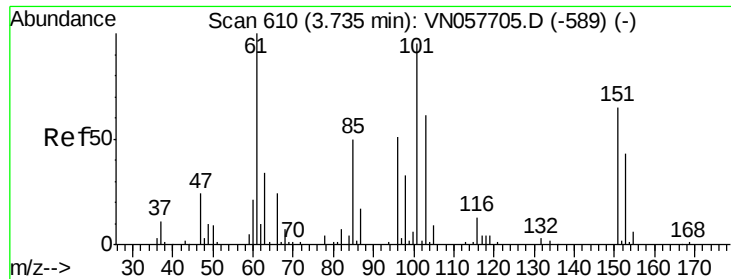


#8

Diethyl Ether
 Concen: 50.964 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN057710.D
 Acq: 6 Sep 2019 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	88809		
45	111.1	55.4	166.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.242 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN057710.D

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Instrument :

MSVOA_N

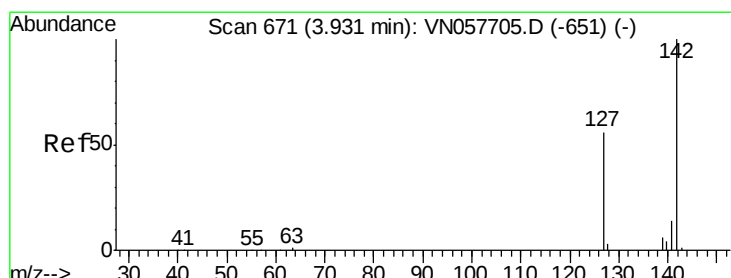
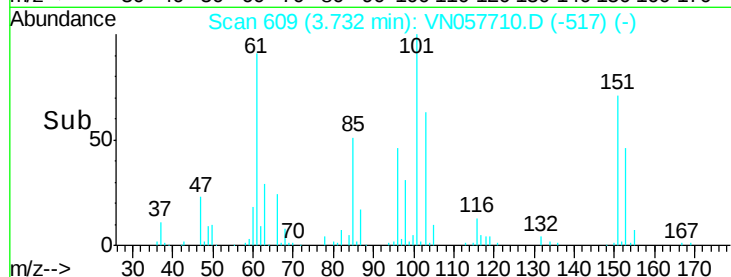
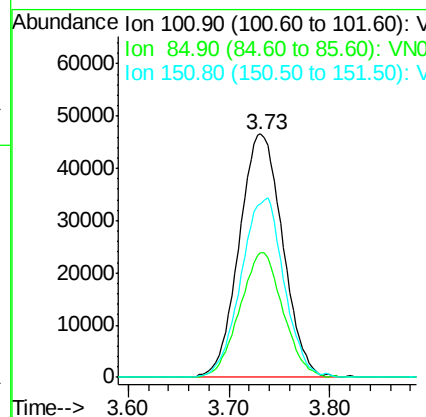
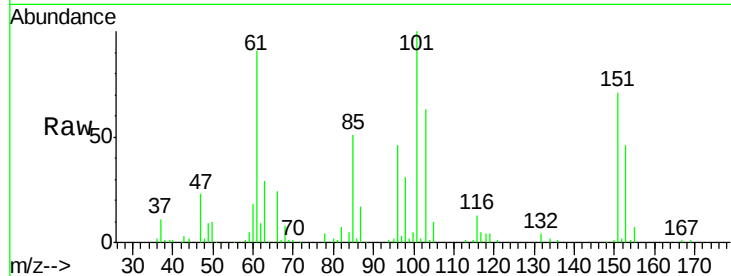
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	139468
Ion Ratio	Lower	Upper	
101	100		
85	50.8	42.8	64.2
151	73.0	55.5	83.3

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#10

Methyl Iodide

Concen: 55.224 ug/l

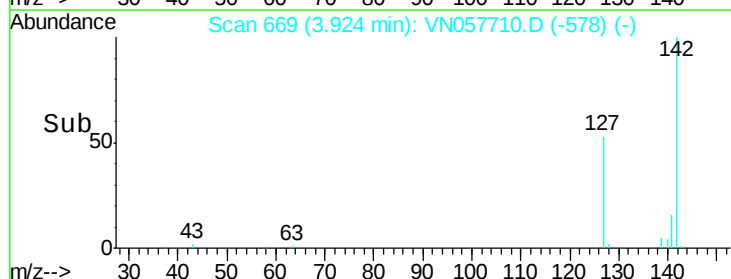
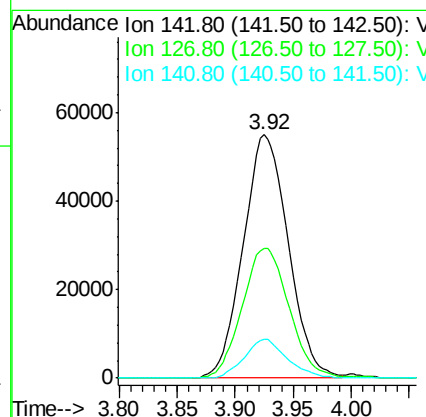
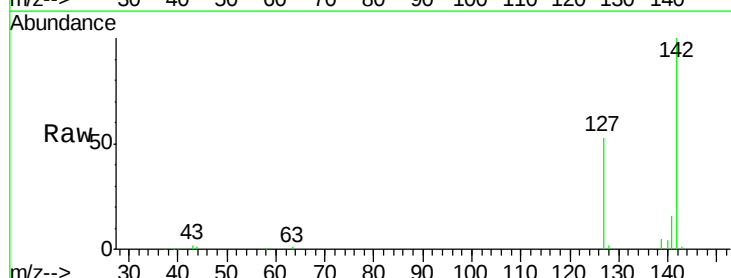
RT: 3.92 min Scan# 669

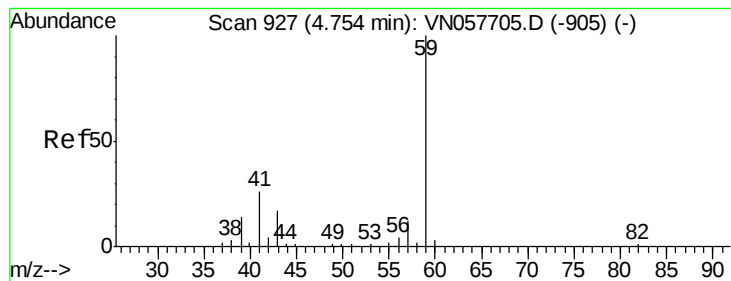
Delta R.T. -0.01 min

Lab File: VN057710.D

Acq: 6 Sep 2019 14:23

Tgt Ion:	142	Resp:	148920
Ion Ratio	Lower	Upper	
142	100		
127	55.6	42.1	63.1
141	15.1	11.0	16.4





#11

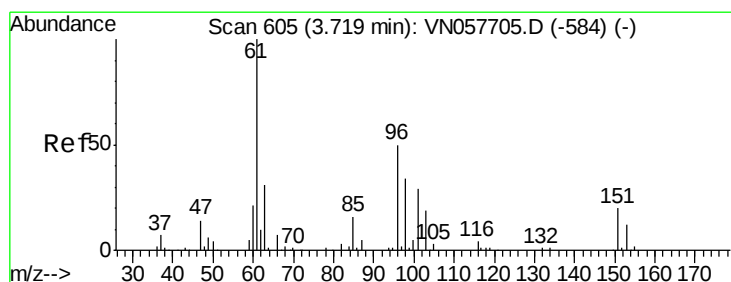
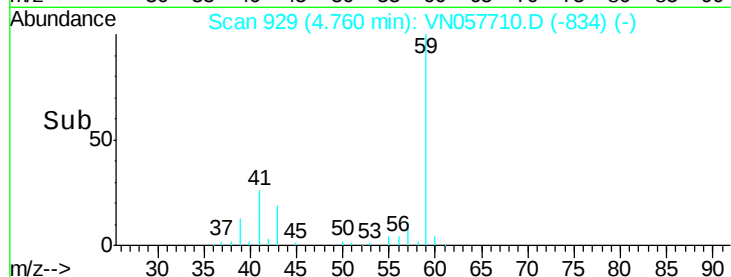
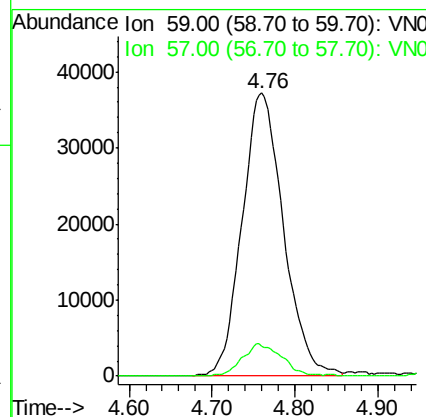
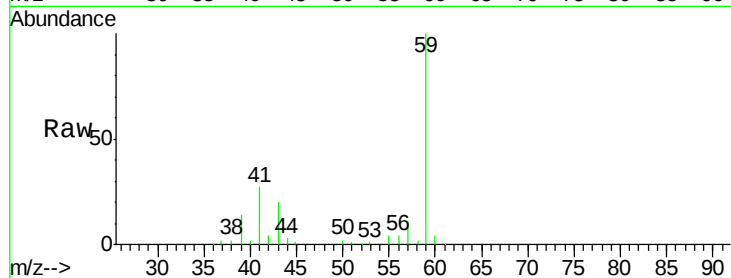
Tert butyl alcohol
 Concen: 236.420 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.01 min
 Lab File: VN057710.D
 Acq: 6 Sep 2019 14:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.9	13.3

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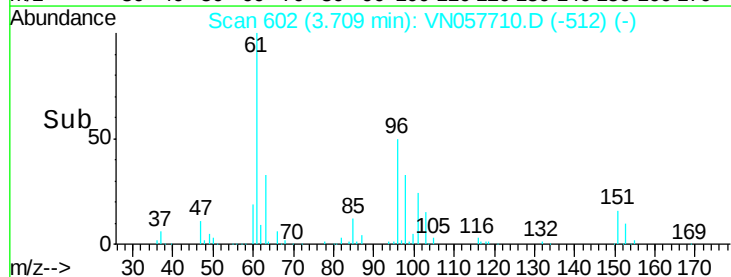
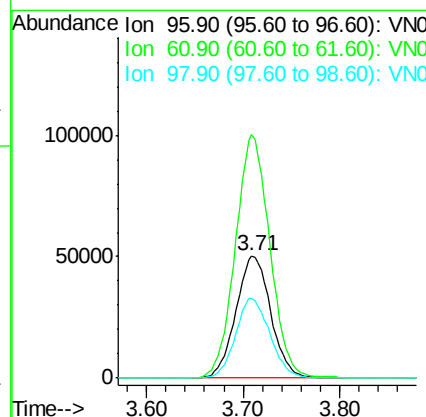
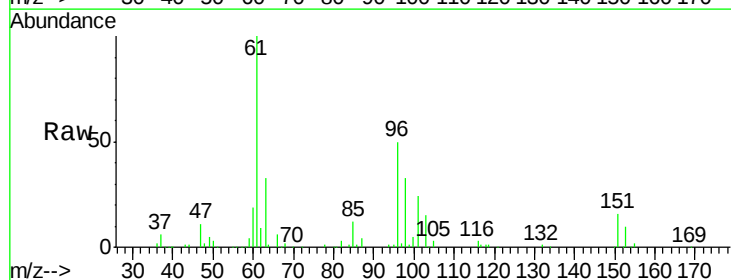
MMDadoda
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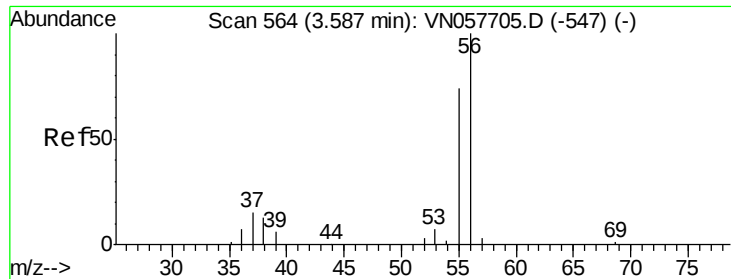


#12

1,1-Dichloroethene
 Concen: 51.388 ug/l
 RT: 3.71 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: VN057710.D
 Acq: 6 Sep 2019 14:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	199.5	158.7	238.1
98	65.5	53.8	80.8





#13

Acrolein

Concen: 240.749 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057710.D

Acq: 6 Sep 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 62530

Ion Ratio Lower Upper

56 100

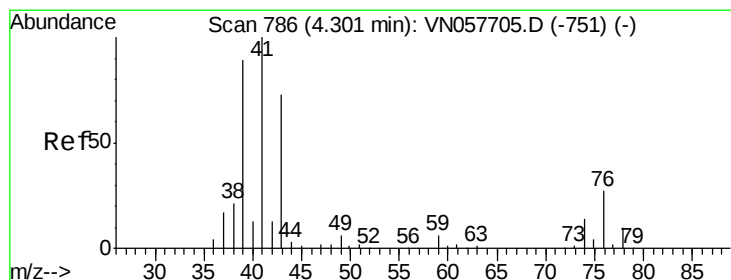
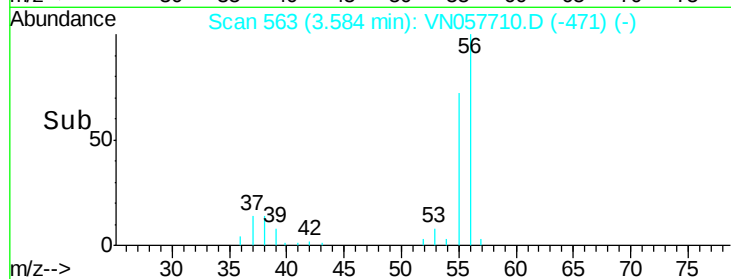
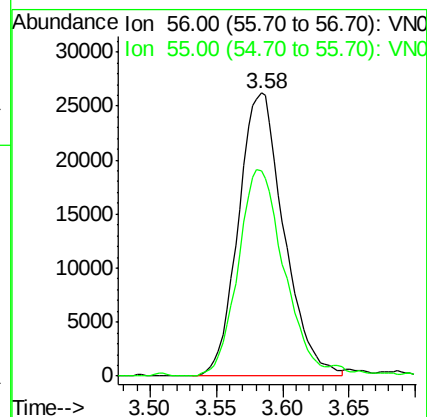
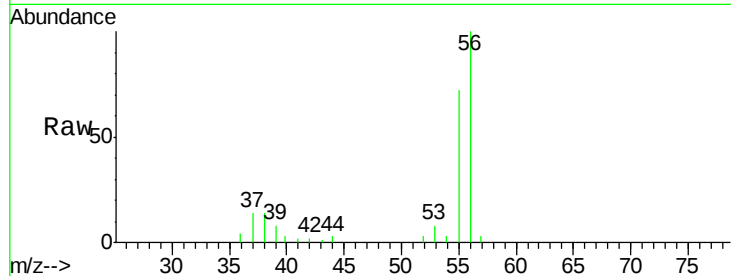
55 72.9 55.4 83.0

Manual Integrations

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#14

Allyl chloride

Concen: 50.195 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN057710.D

Acq: 6 Sep 2019 14:23

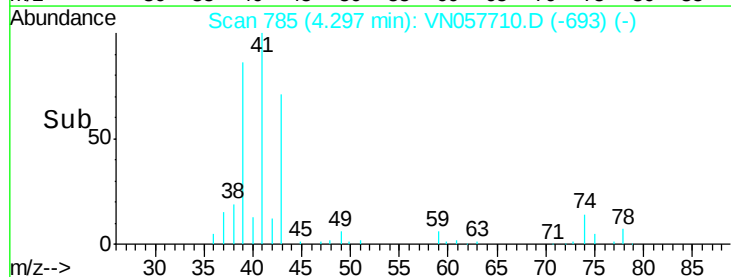
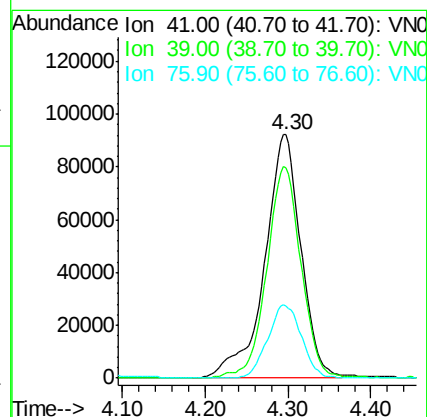
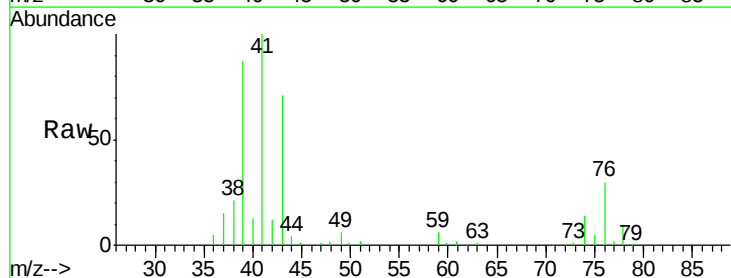
Tgt Ion: 41 Resp: 280892

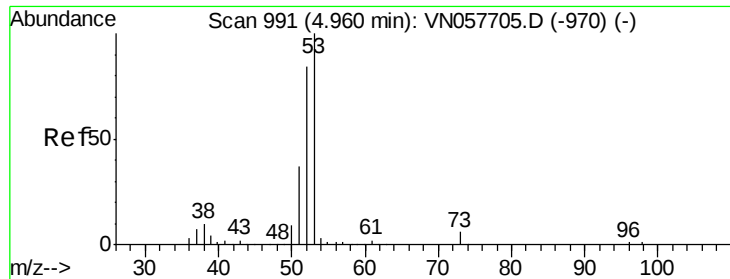
Ion Ratio Lower Upper

41 100

39 82.2 67.5 101.3

76 28.1 21.4 32.2





#15

Acrylonitrile

Concen: 266.364 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN057710.D

Acq: 6 Sep 2019 14:23

Instrument :

MSVOA_N

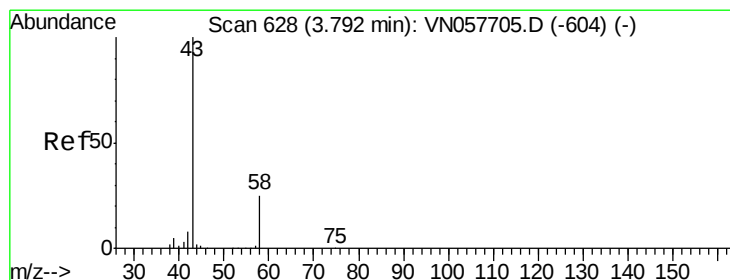
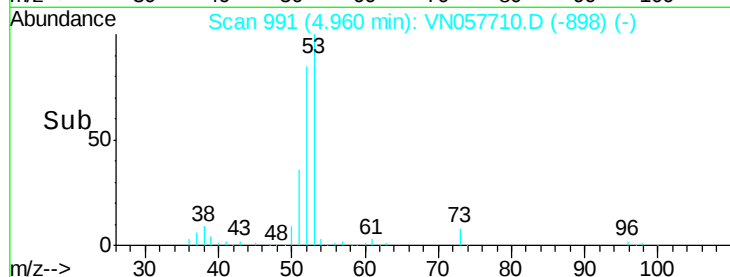
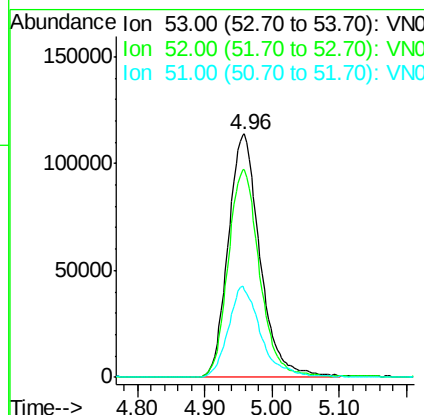
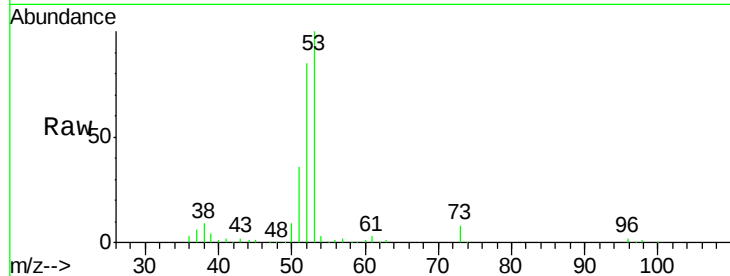
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	374004
Ion	Ratio	Lower	Upper
53	100		
52	84.6	68.1	102.1
51	38.0	30.4	45.6

Manual Integrations
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#16

Acetone

Concen: 252.344 ug/l

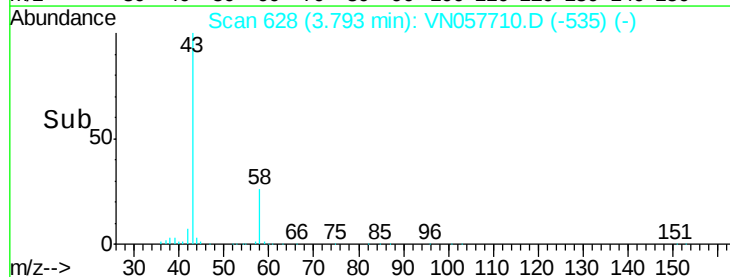
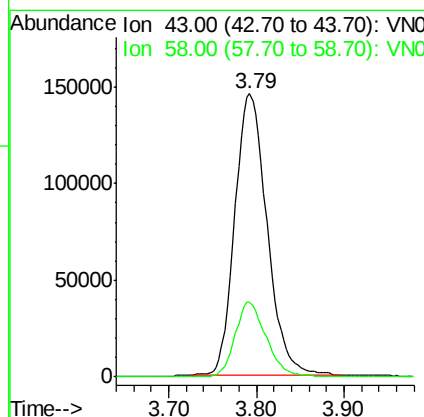
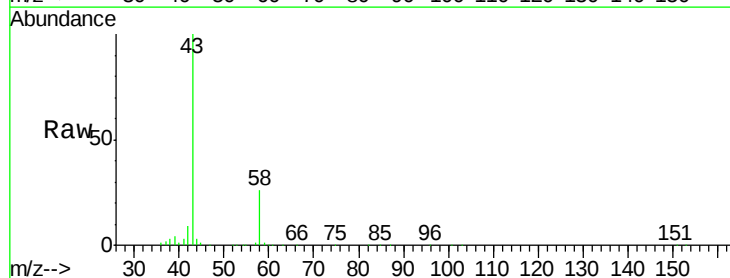
RT: 3.79 min Scan# 628

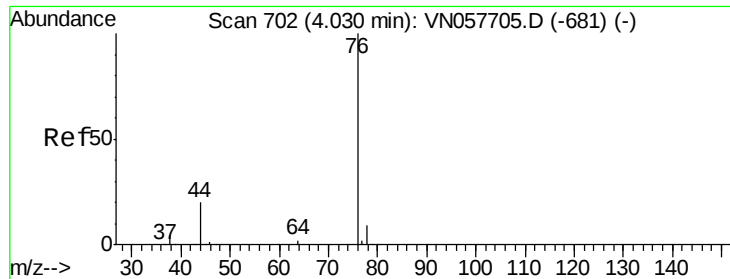
Delta R.T. 0.00 min

Lab File: VN057710.D

Acq: 6 Sep 2019 14:23

Tgt Ion:	43	Resp:	373277
Ion	Ratio	Lower	Upper
43	100		
58	26.4	19.8	29.8





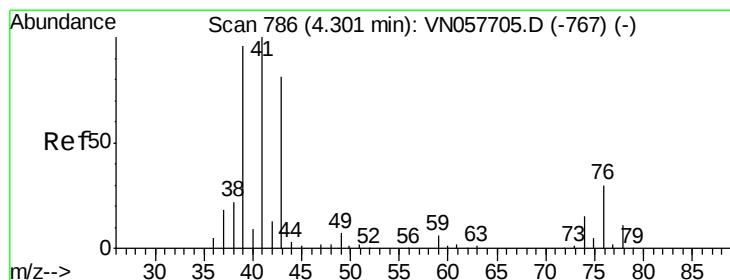
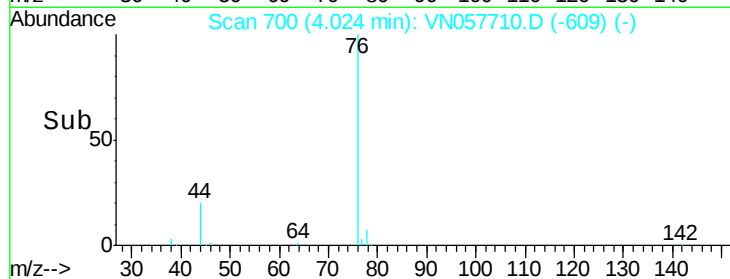
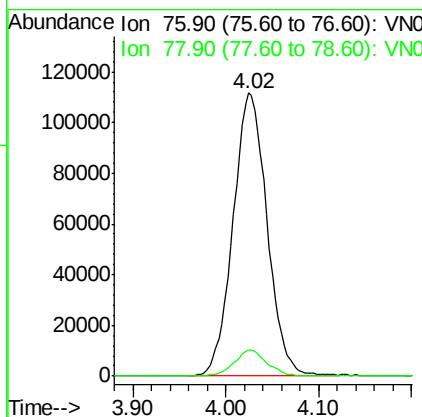
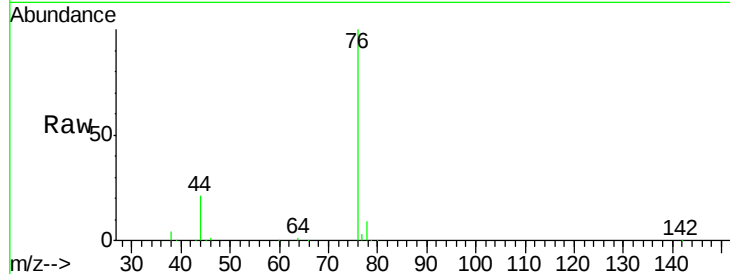
#17
Carbon Disulfide
Concen: 51.290 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.01 min
Lab File: VN057710.D
Acq: 6 Sep 2019 14:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

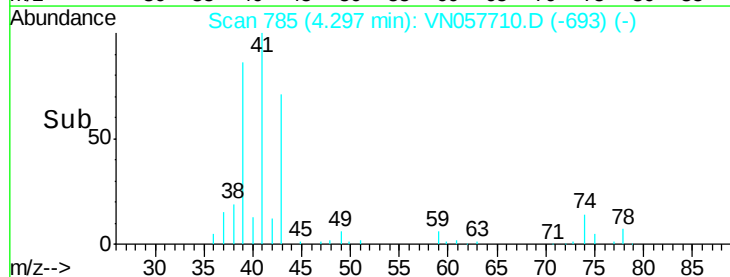
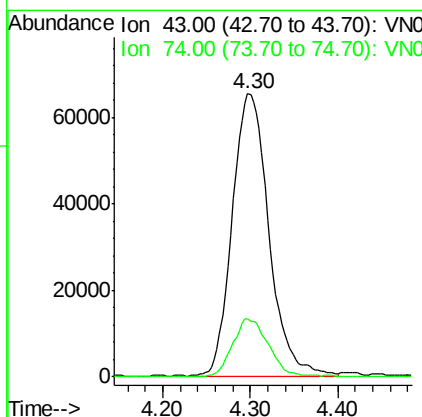
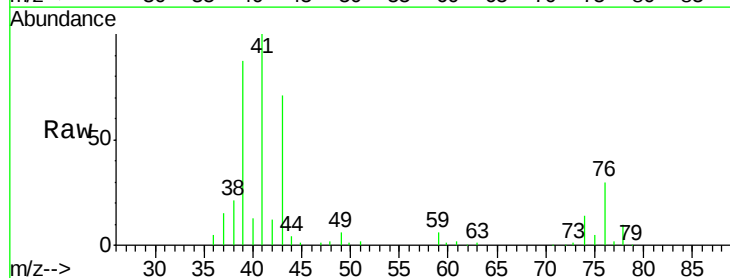
Manual Integrations
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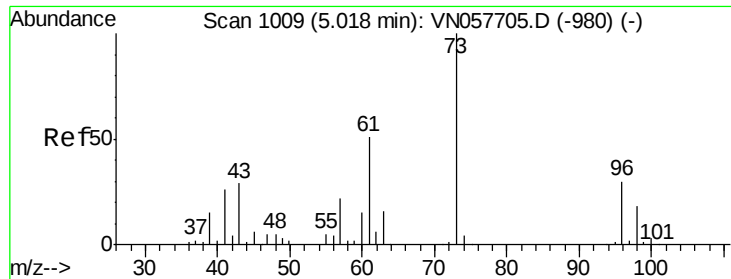
MMDadoda
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#18
Methyl Acetate
Concen: 47.122 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN057710.D
Acq: 6 Sep 2019 14:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.1	15.3	22.9





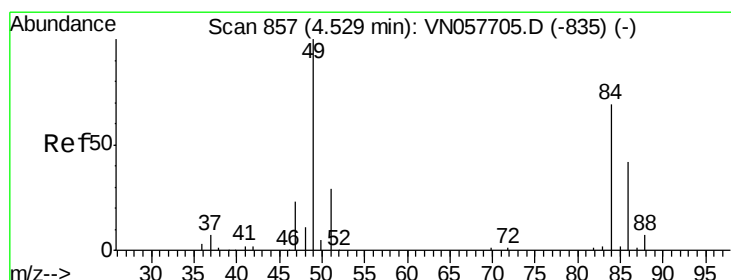
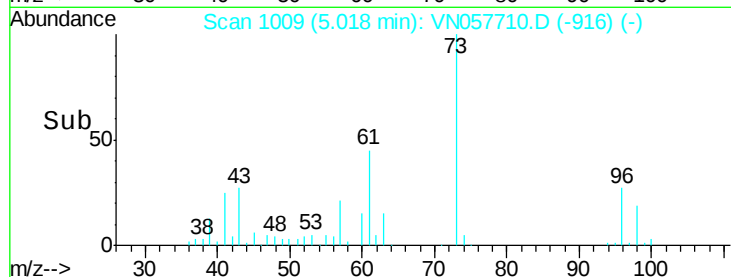
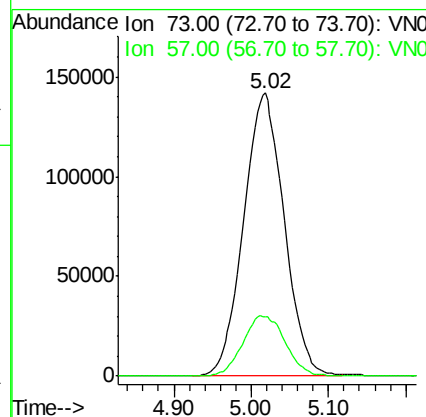
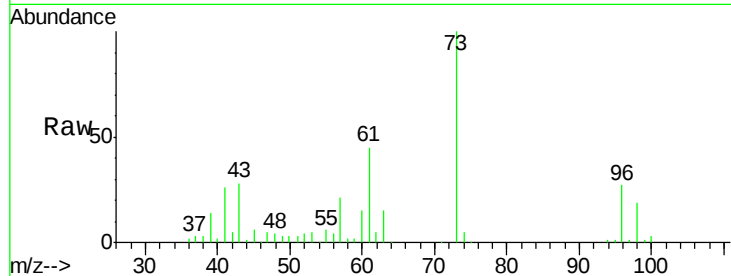
#19
Methyl tert-butyl Ether
Concen: 50.396 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN057710.D
Acq: 6 Sep 2019 14:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 518114
Ion Ratio Lower Upper
73 100
57 21.1 17.7 26.5

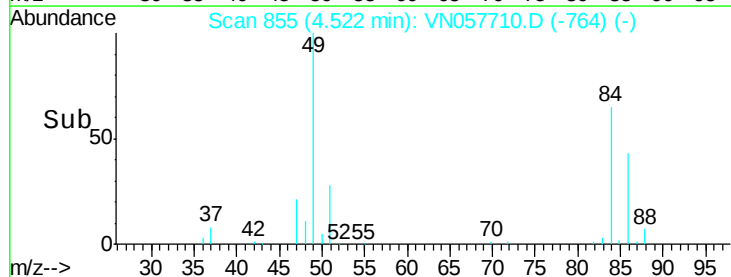
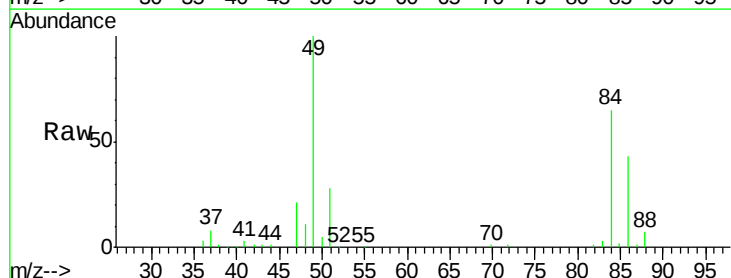
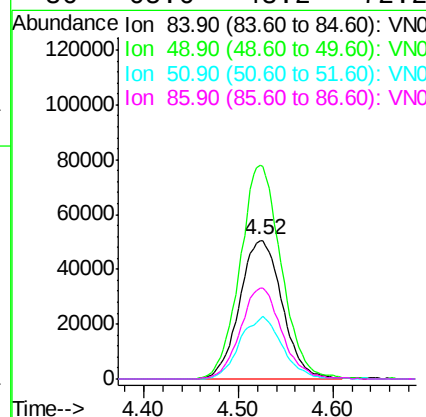
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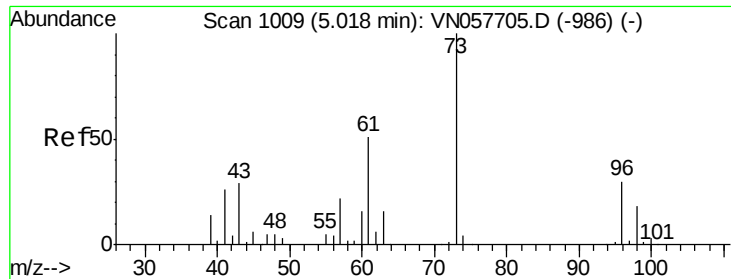
MMDadoda
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#20
Methylene Chloride
Concen: 49.457 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.01 min
Lab File: VN057710.D
Acq: 6 Sep 2019 14:23

Tgt Ion: 84 Resp: 158184
Ion Ratio Lower Upper
84 100
49 153.5 115.0 172.6
51 43.2 33.8 50.8
86 65.6 48.2 72.2





#21

trans-1,2-Dichloroethene

Concen: 51.593 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: VN057710.D

Acq: 6 Sep 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 132944

Ion Ratio Lower Upper

96 100

61 165.1 135.8 203.8

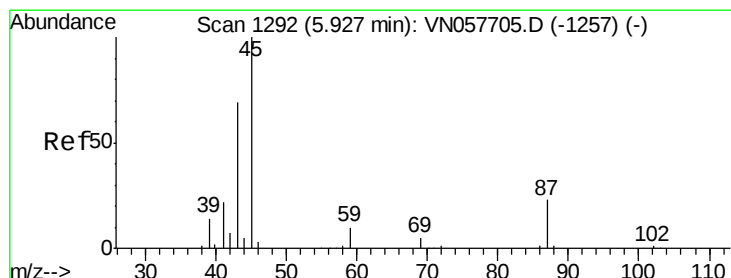
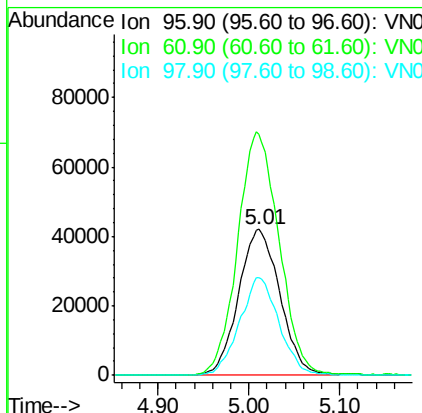
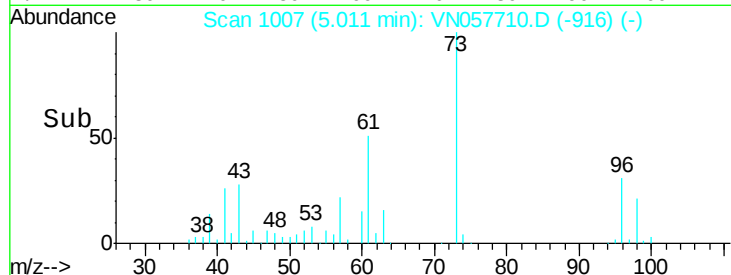
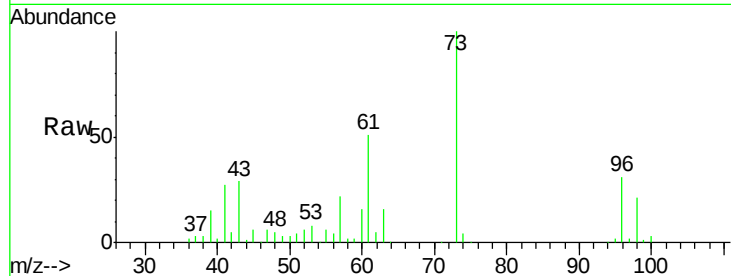
98 67.2 49.0 73.6

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#22

Diisopropyl ether

Concen: 51.317 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VN057710.D

Acq: 6 Sep 2019 14:23

Tgt Ion: 45 Resp: 607480

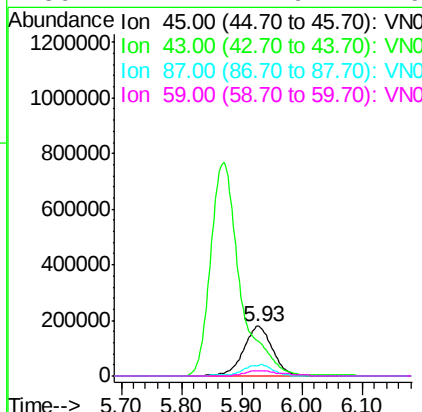
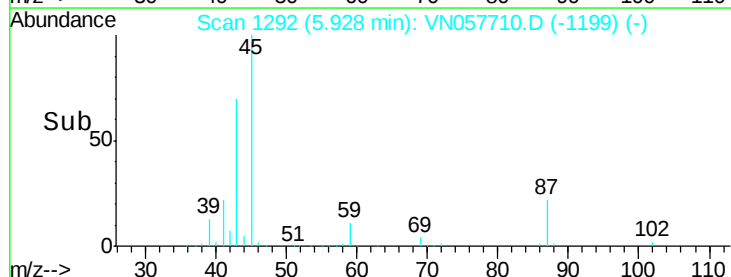
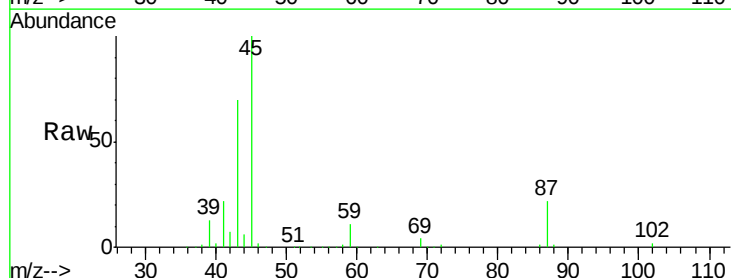
Ion Ratio Lower Upper

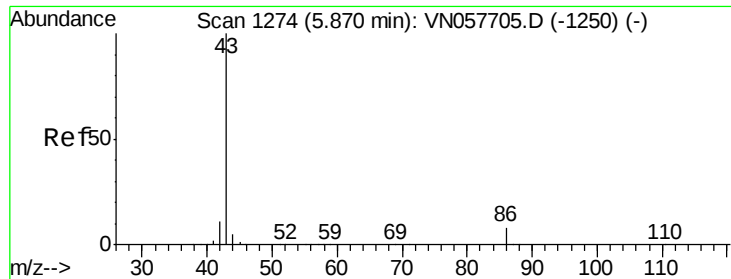
45 100

43 68.1 55.5 83.3

87 21.8 18.6 28.0

59 11.2 7.9 11.9





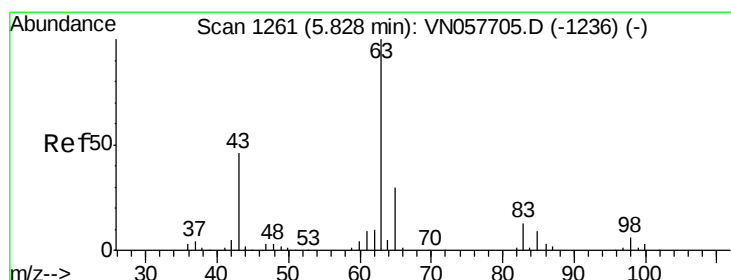
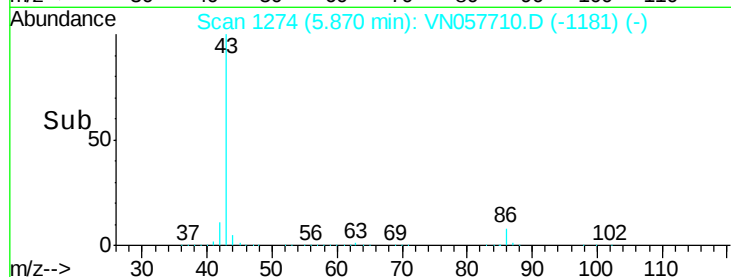
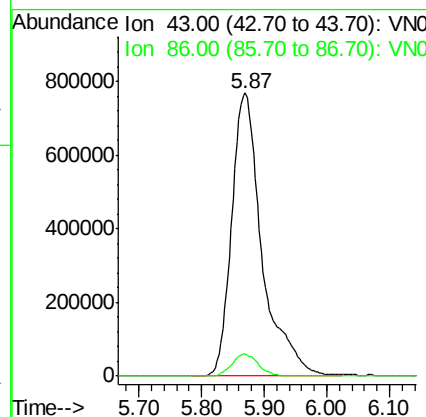
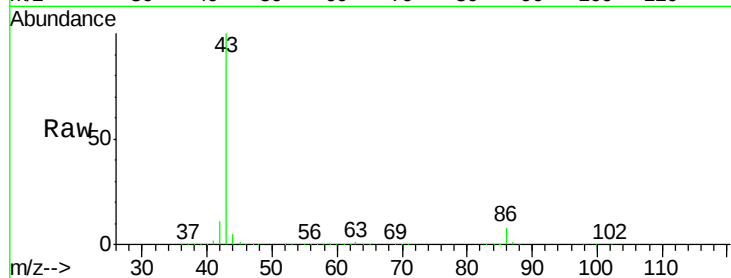
#23
 Vinyl Acetate
 Concen: 269.658 ug/l
 RT: 5.87 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: VN057710.D
 Acq: 6 Sep 2019 14:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2583746
 Ion Ratio Lower Upper
 43 100
 86 7.6 6.2 9.4

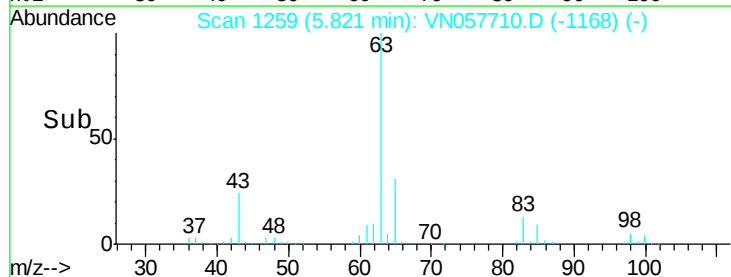
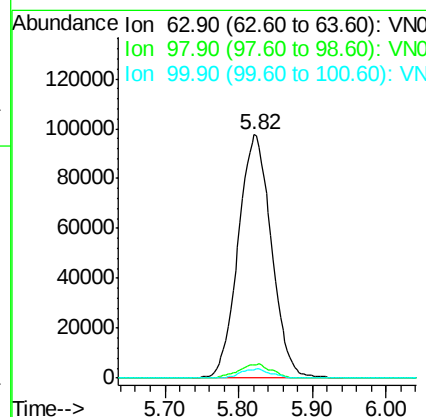
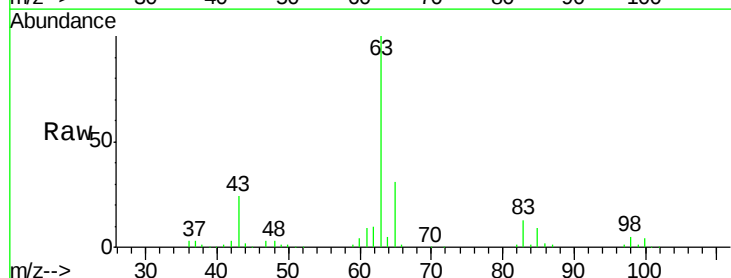
Manual Integrations
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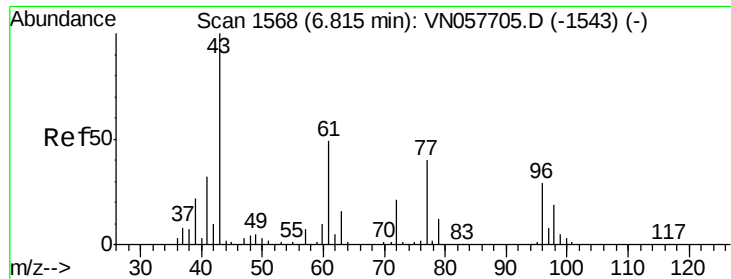
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 50.456 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VN057710.D
 Acq: 6 Sep 2019 14:23

Tgt Ion: 63 Resp: 306256
 Ion Ratio Lower Upper
 63 100
 98 5.5 2.9 8.8
 100 3.5 1.7 5.0





#25

2-Butanone

Concen: 261.432 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN057710.D

Acq: 6 Sep 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 553812

Ion Ratio Lower Upper

43 100

72 21.5

17.0

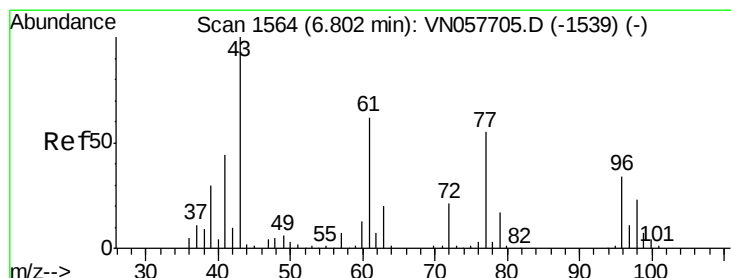
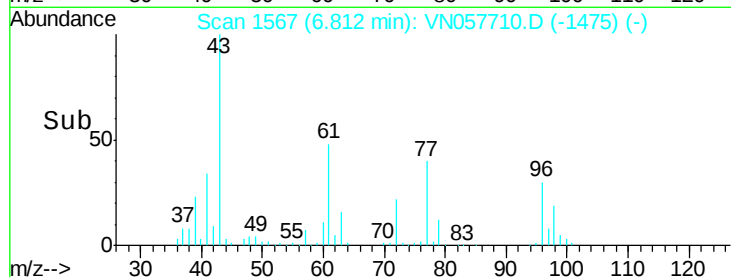
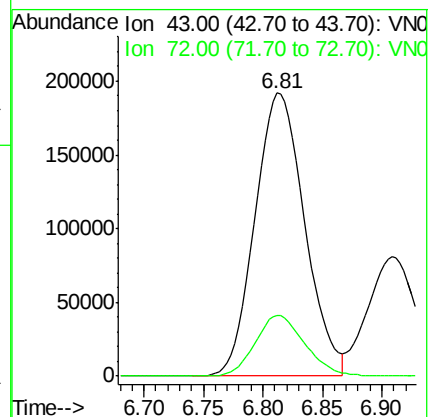
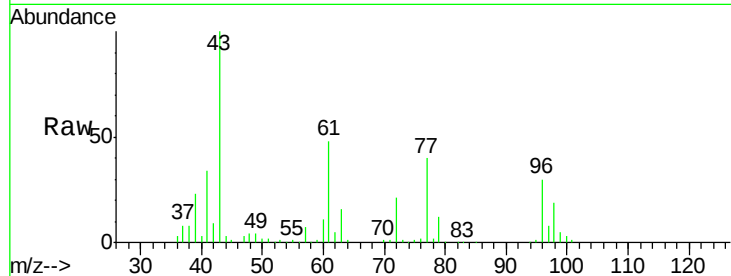
25.6

Manual Integrations

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9/9/2019 1:10:50 PM



#26

2,2-Dichloropropane

Concen: 53.666 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN057710.D

Acq: 6 Sep 2019 14:23

Tgt Ion: 77 Resp: 271747

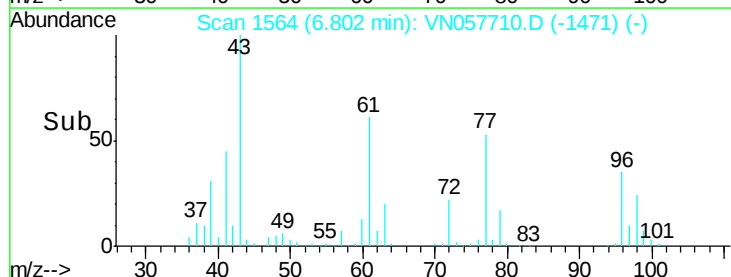
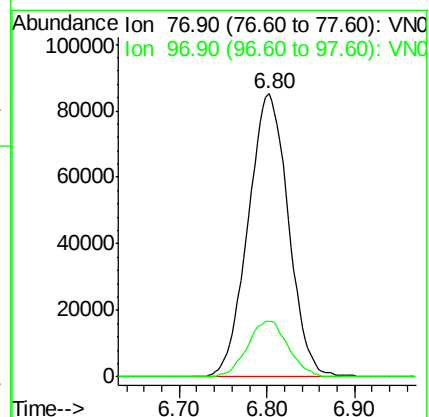
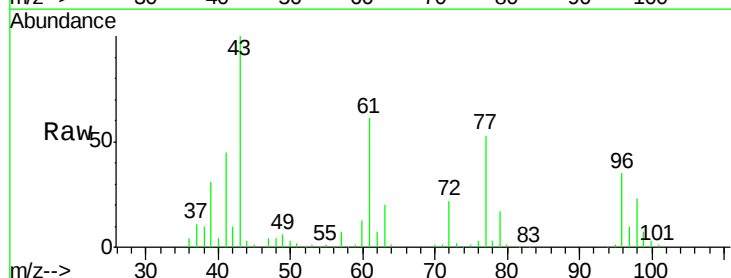
Ion Ratio Lower Upper

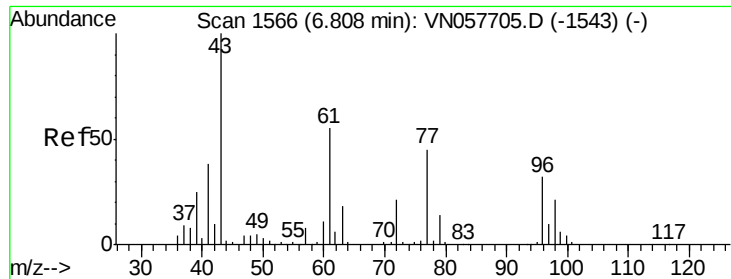
77 100

97 20.0

10.1

30.1





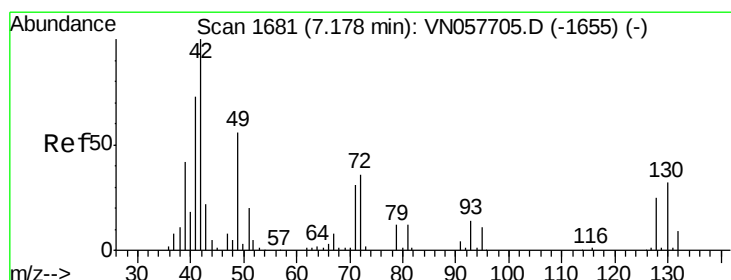
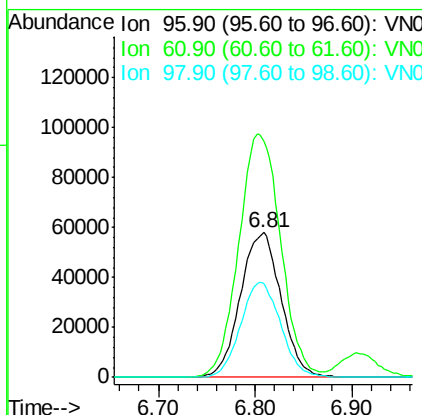
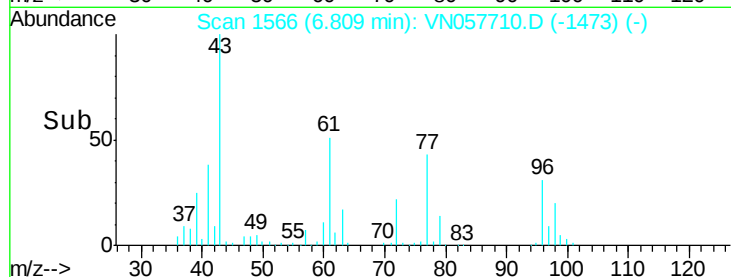
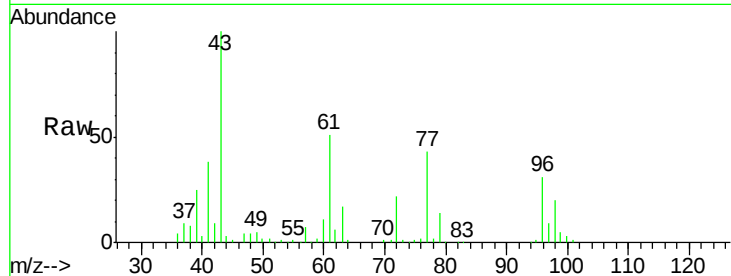
#27
 cis-1,2-Dichloroethene
 Concen: 52.433 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN057710.D
 Acq: 6 Sep 2019 14:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	169590		
61	173.0	0.0	360.6	
98	64.7	0.0	130.6	

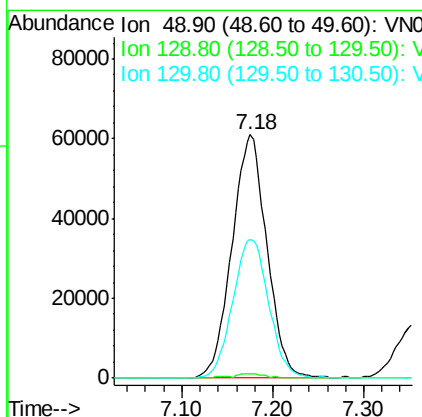
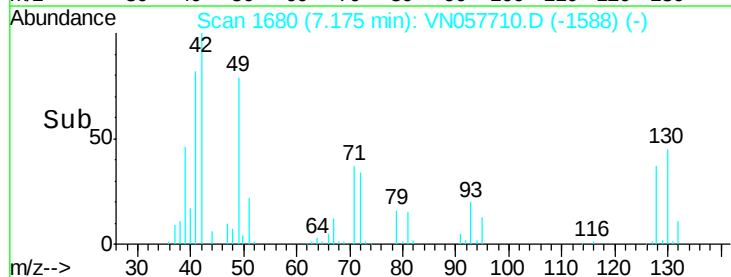
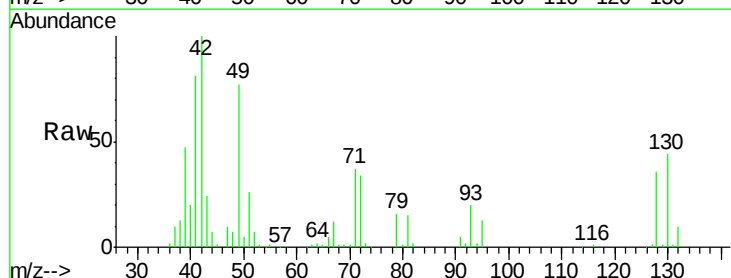
Manual Integrations
 APPROVED

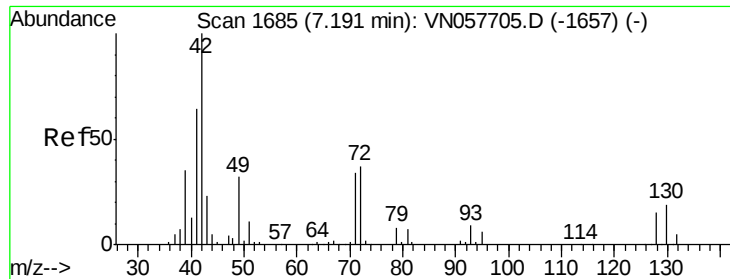
MMDadoda
 9/9/2019 1:10:50 PM



#28
 Bromochloromethane
 Concen: 51.172 ug/l
 RT: 7.18 min Scan# 1680
 Delta R.T. -0.00 min
 Lab File: VN057710.D
 Acq: 6 Sep 2019 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	162513		
129	1.3	0.0	2.4	
130	58.5	45.8	68.8	





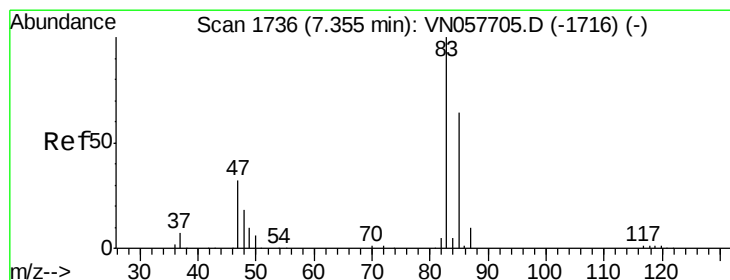
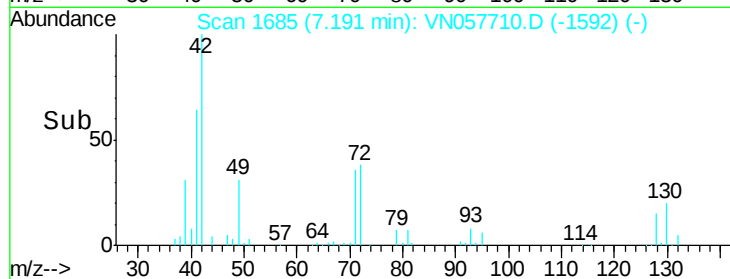
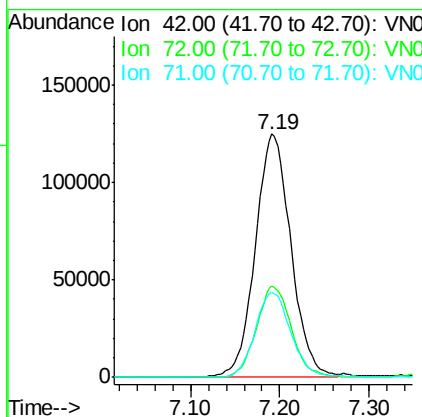
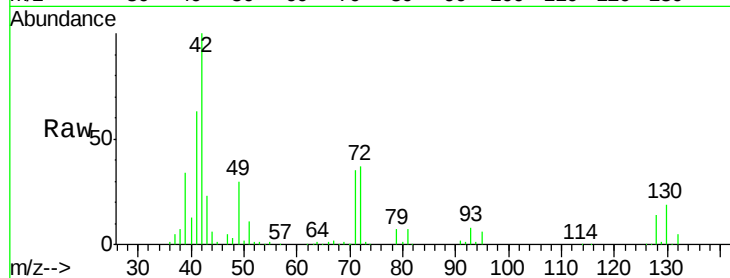
#29
Tetrahydrofuran
Concen: 253.628 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN057710.D
Acq: 6 Sep 2019 14:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.9	29.2	43.8
71	35.2	27.0	40.4

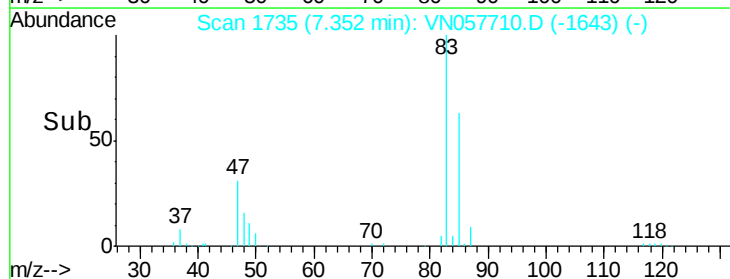
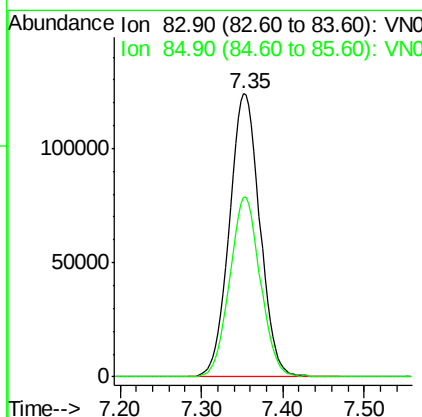
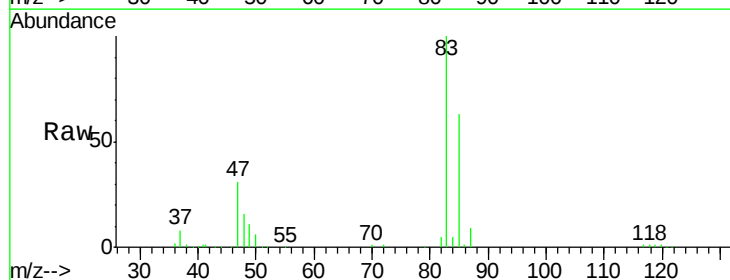
Manual Integrations
APPROVED

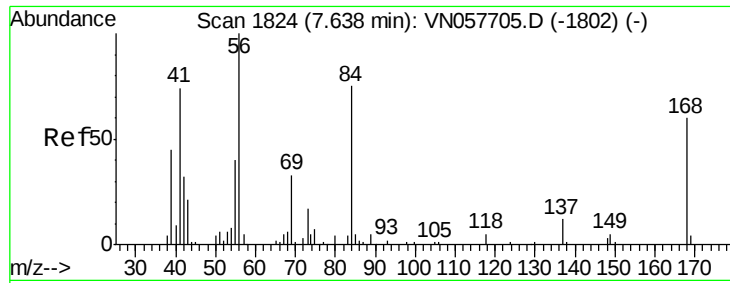
MMDadoda
9/9/2019 1:10:50 PM



#30
Chloroform
Concen: 51.166 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN057710.D
Acq: 6 Sep 2019 14:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.3	76.9





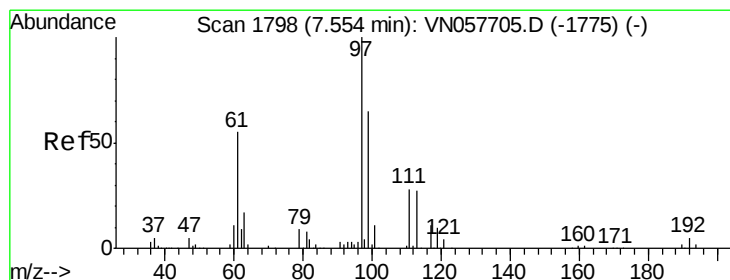
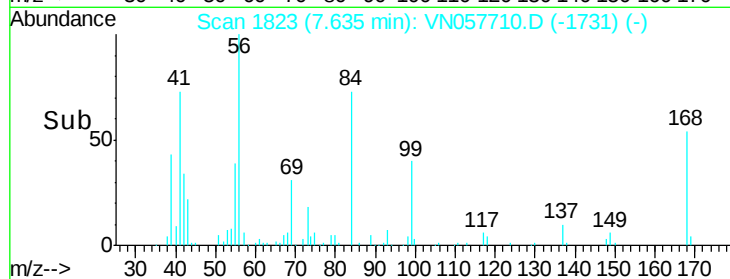
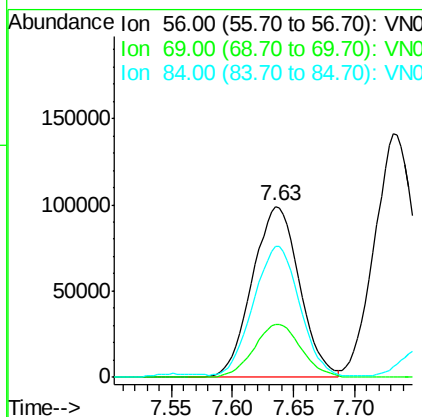
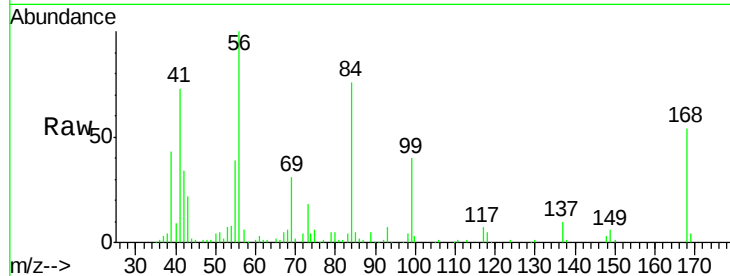
#31
Cyclohexane
Concen: 49.385 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN057710.D
Acq: 6 Sep 2019 14:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.0	26.2	39.2
84	74.7	59.8	89.8

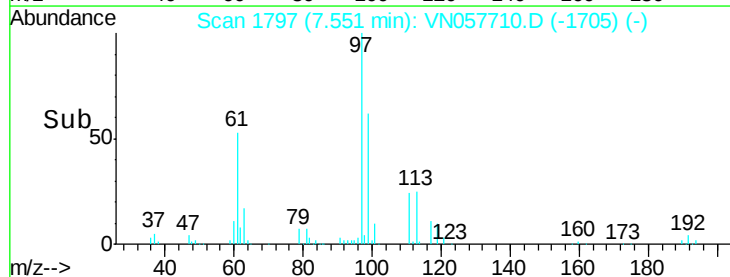
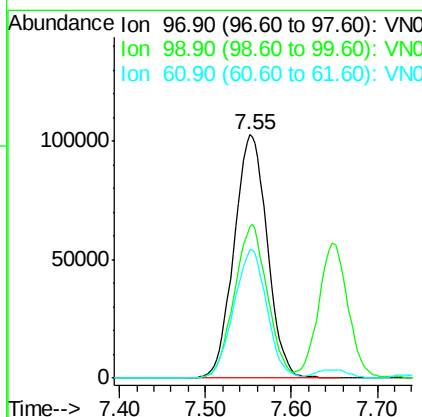
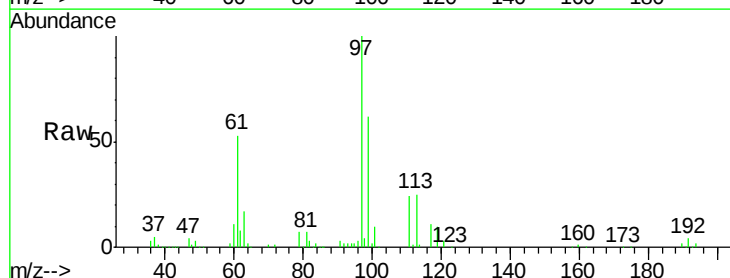
Manual Integrations
APPROVED

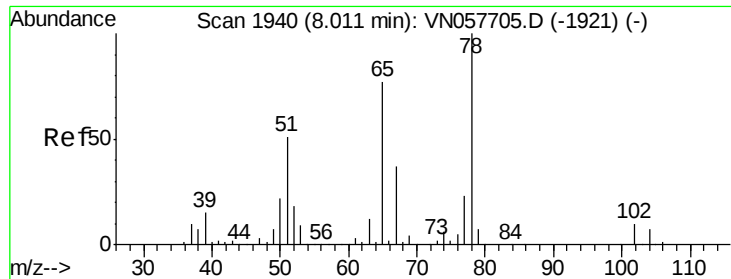
MMDadoda
9/9/2019 1:10:50 PM



#32
1,1,1-Trichloroethane
Concen: 52.263 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. -0.00 min
Lab File: VN057710.D
Acq: 6 Sep 2019 14:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.7	51.2	76.8
61	52.6	42.8	64.2





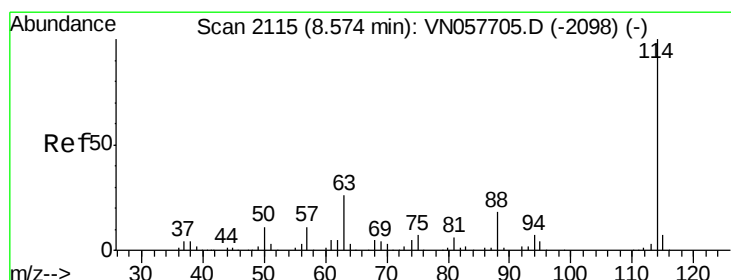
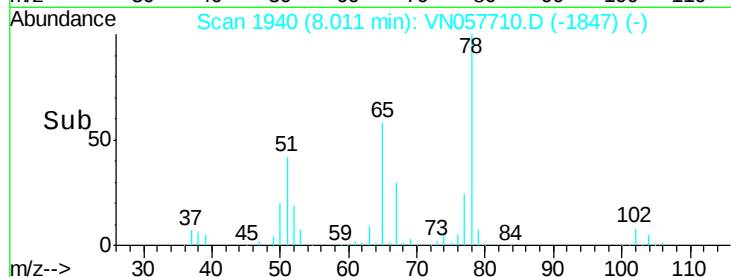
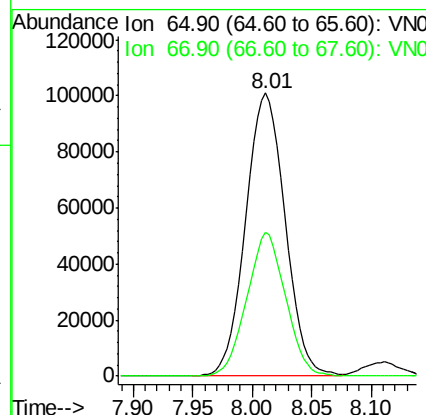
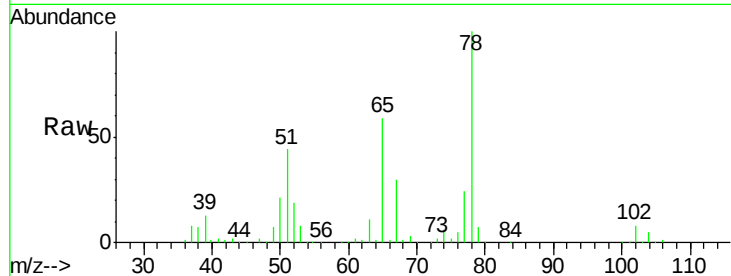
#33
 1,2-Dichloroethane-d4
 Concen: 48.371 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN057710.D
 Acq: 6 Sep 2019 14:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	49.7	0.0	98.2	

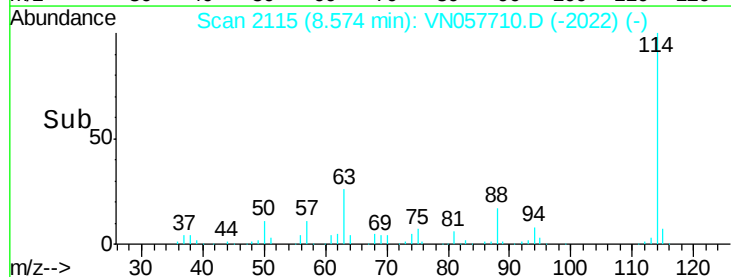
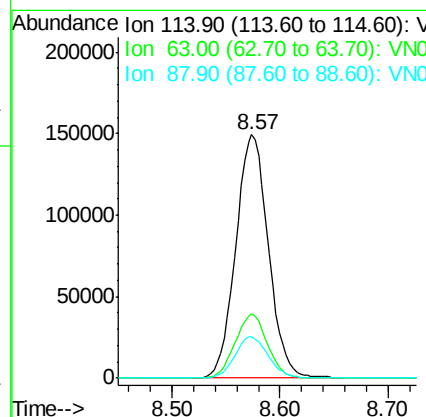
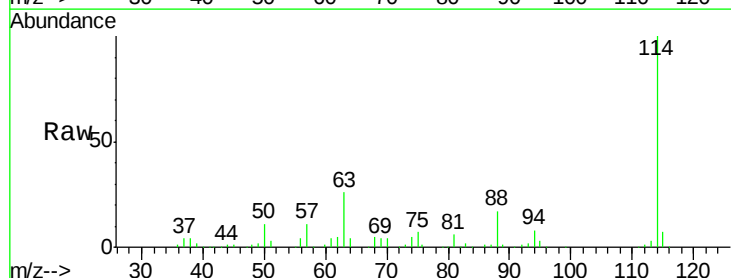
Manual Integrations
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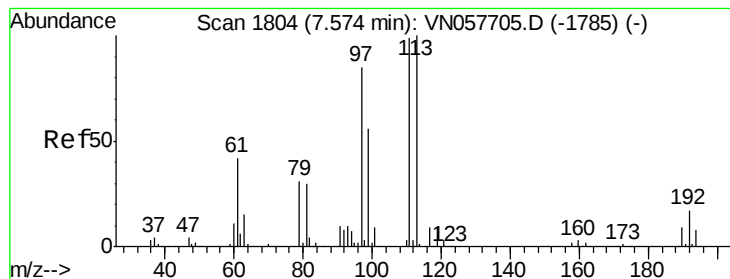
MMDadoda
 9/9/2019 1:10:50 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057710.D
 Acq: 6 Sep 2019 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	26.3	0.0	52.4	
88	17.0	0.0	35.4	





#35

Dibromofluoromethane

Concen: 51.048 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN057710.D

Acq: 6 Sep 2019 14:23

Instrument :

MSVOA_N

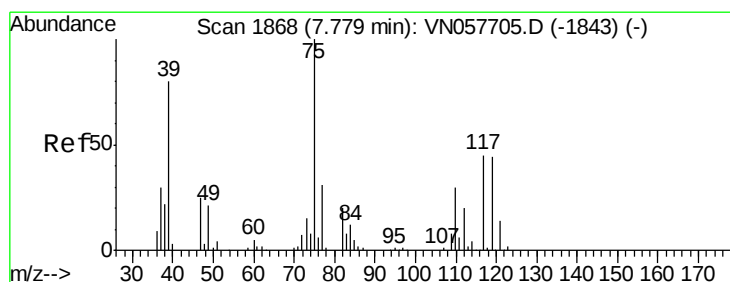
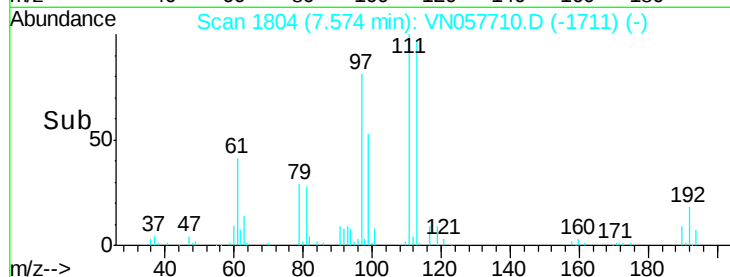
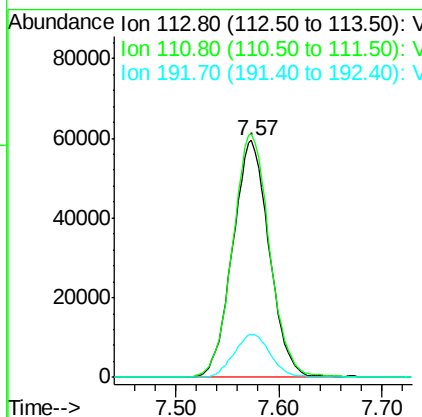
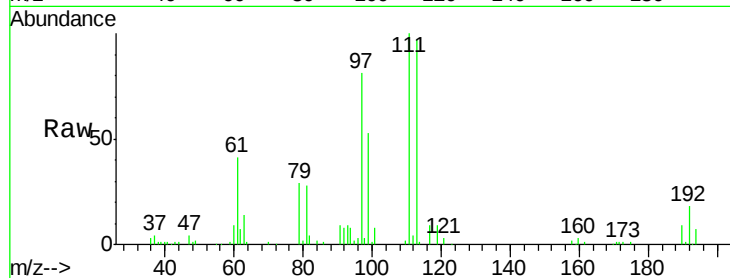
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	146381
Ion Ratio	Lower	Upper	
113	100		
111	104.0	82.7	124.1
192	18.0	13.8	20.6

Manual Integrations
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MMDadoda
9/9/2019 1:10:50 PM



#36

1,1-Dichloropropene

Concen: 52.373 ug/l

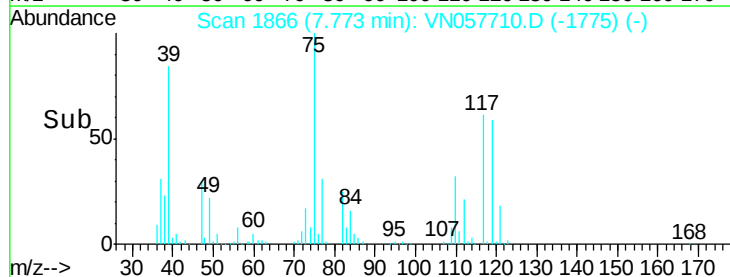
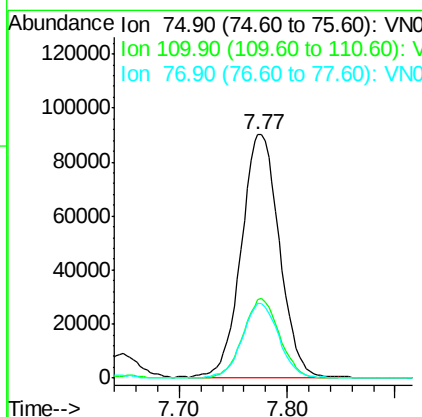
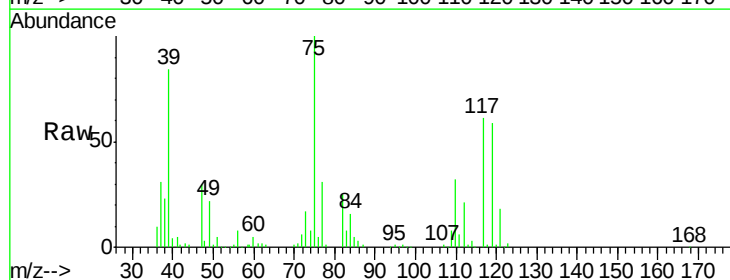
RT: 7.77 min Scan# 1866

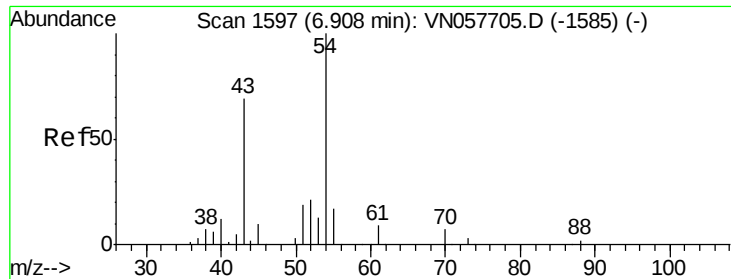
Delta R.T. -0.01 min

Lab File: VN057710.D

Acq: 6 Sep 2019 14:23

Tgt Ion:	75	Resp:	219349
Ion Ratio	Lower	Upper	
75	100		
110	31.5	15.0	45.0
77	29.9	24.6	37.0





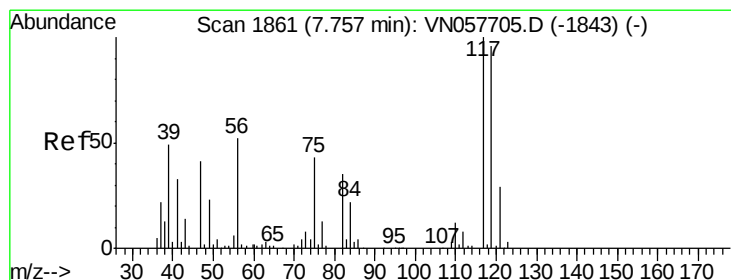
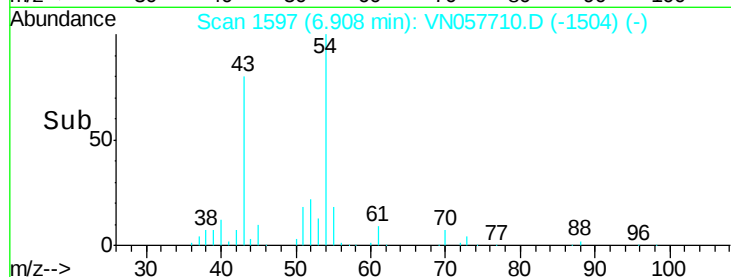
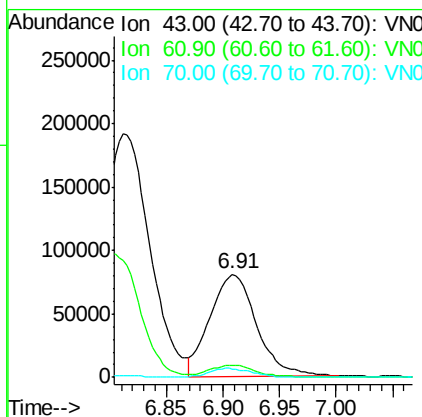
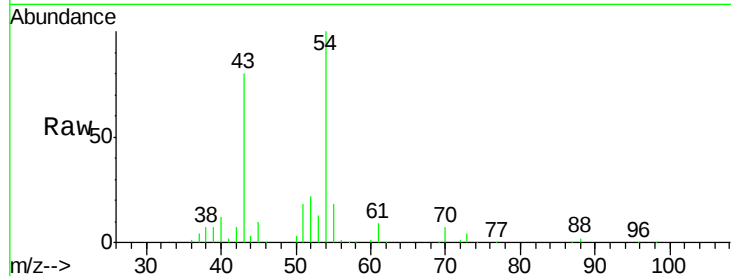
#37
Ethyl Acetate
Concen: 55.137 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN057710.D
Acq: 6 Sep 2019 14:23

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100	229256		
61	12.2		9.8	14.8
70	8.4		6.7	10.1

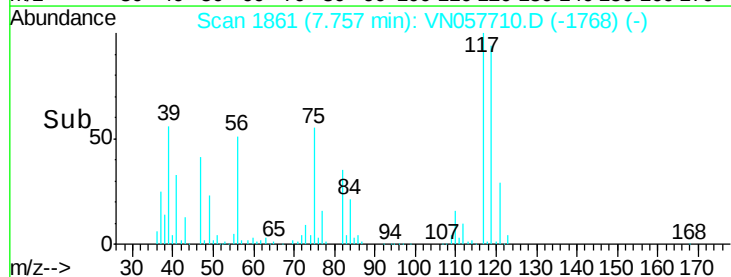
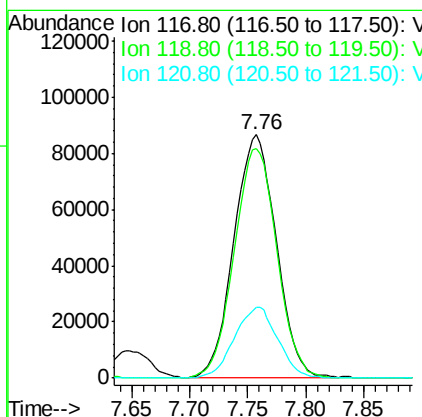
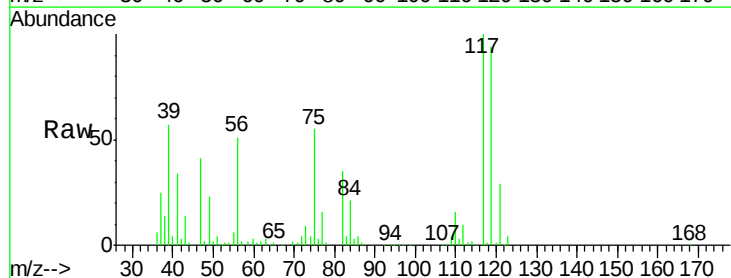
Manual Integrations
APPROVED

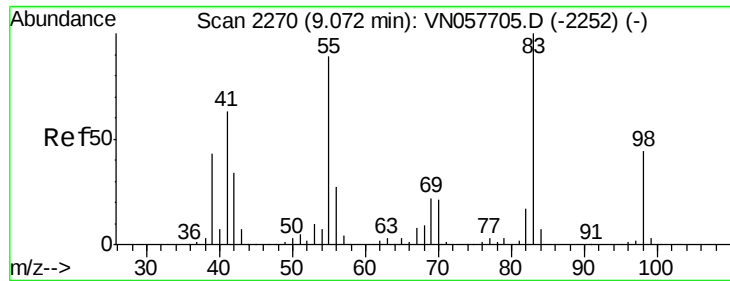
MMDadoda
9/9/2019 1:10:50 PM



#38
Carbon Tetrachloride
Concen: 54.535 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057710.D
Acq: 6 Sep 2019 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	218700		
119	94.1		76.1	114.1
121	29.0		23.4	35.2





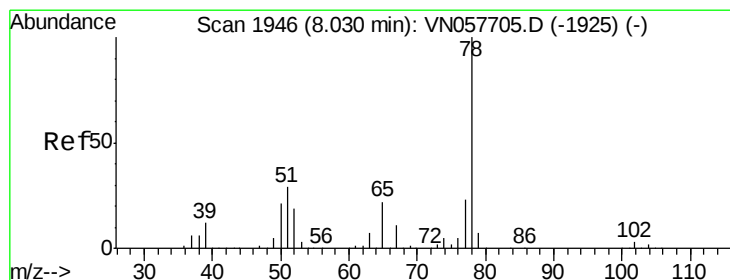
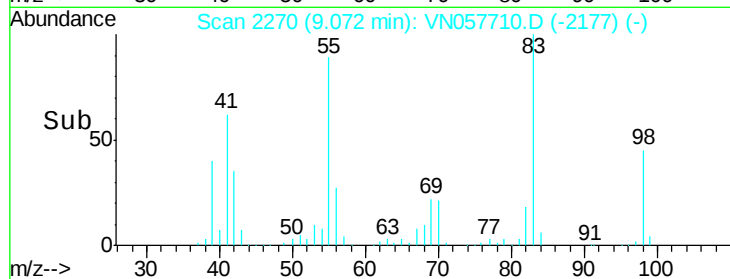
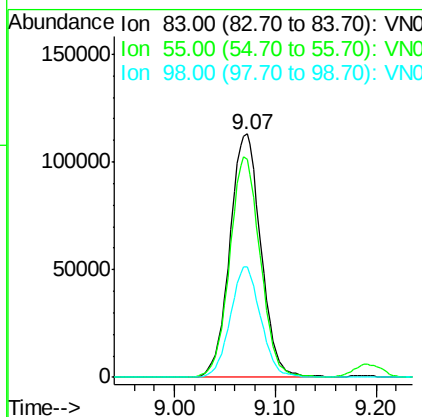
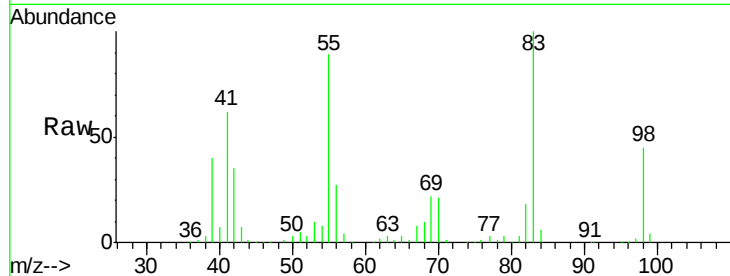
#39
Methvlcvclohexane
Concen: 54.732 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057710.D
Acq: 6 Sep 2019 14:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	242461
Ion Ratio	100	Lower	Upper
83	100		
55	89.5	71.4	107.0
98	45.3	35.3	52.9

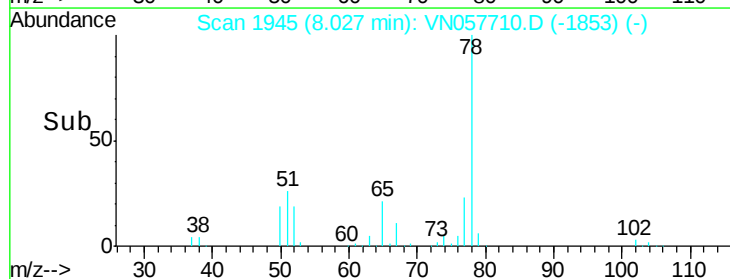
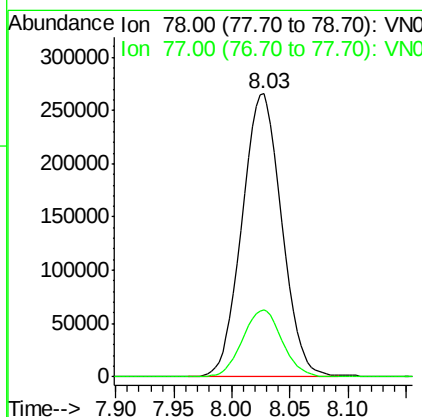
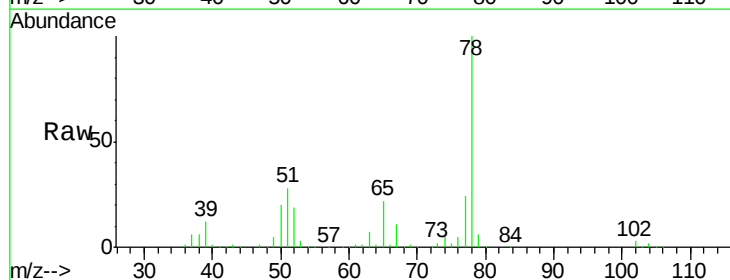
Manual Integrations
APPROVED

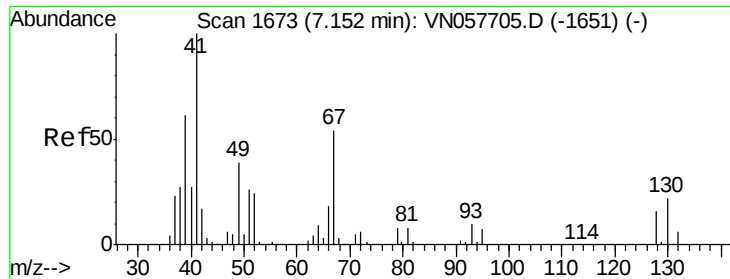
MMDadoda
9/9/2019 1:10:50 PM



#40
Benzene
Concen: 53.527 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057710.D
Acq: 6 Sep 2019 14:23

Tgt Ion	78	Resp	634096
Ion Ratio	100	Lower	Upper
78	100		
77	23.6	18.6	28.0





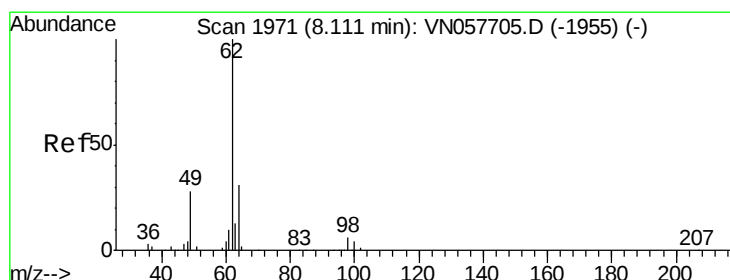
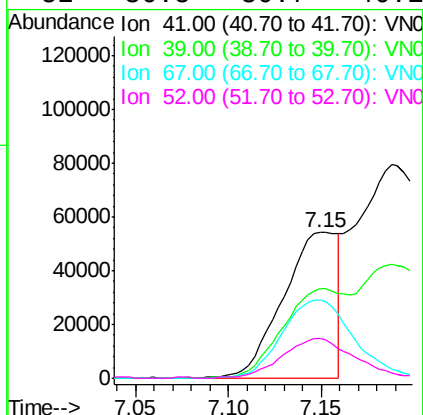
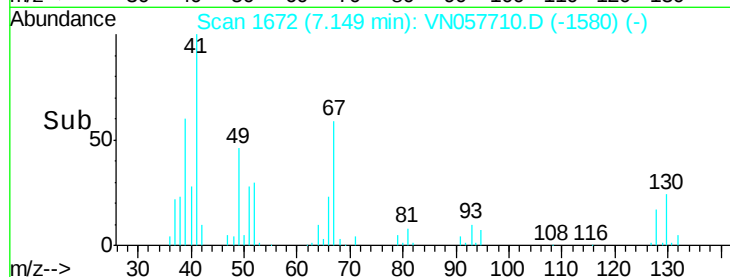
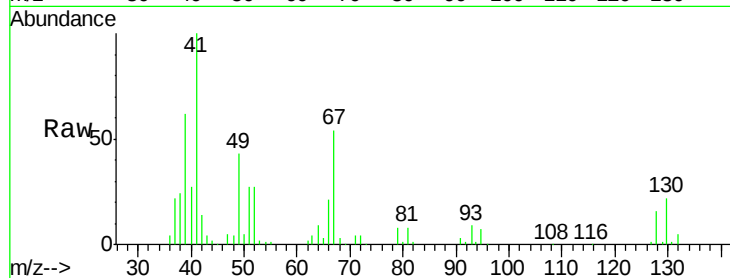
#41
Methacrylonitrile
Concen: 54.627 ug/l
RT: 7.15 min Scan# 1672
Delta R.T. -0.00 min
Lab File: VN057710.D
Acq: 6 Sep 2019 14:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	111028
Ion	Ratio	Lower	Upper
41	100		
39	71.2	43.6	65.4#
67	71.2	59.8	89.6
52	36.5	30.7	46.1

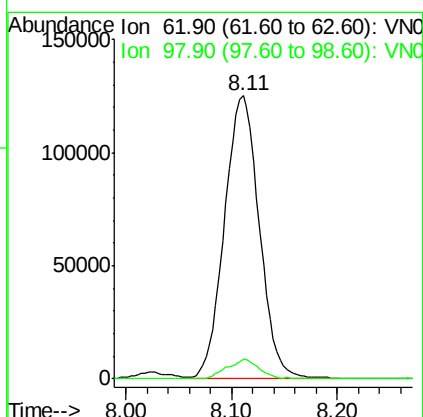
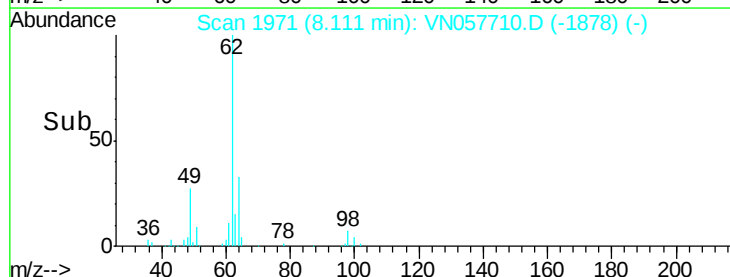
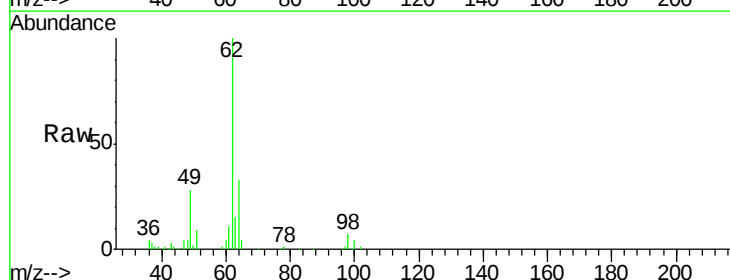
Manual Integrations
APPROVED

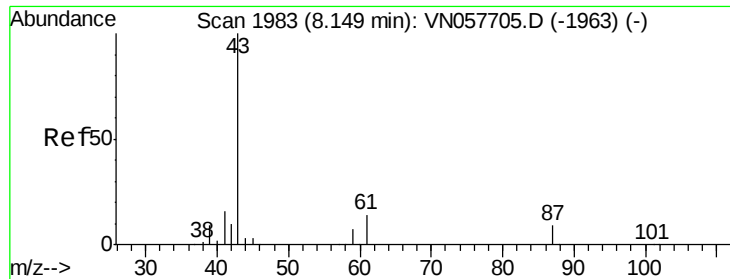
MMDadoda
9/9/2019 1:10:50 PM



#42
1,2-Dichloroethane
Concen: 51.526 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057710.D
Acq: 6 Sep 2019 14:23

Tgt Ion	62	Resp	286109
Ion	Ratio	Lower	Upper
62	100		
98	6.5	0.0	12.6





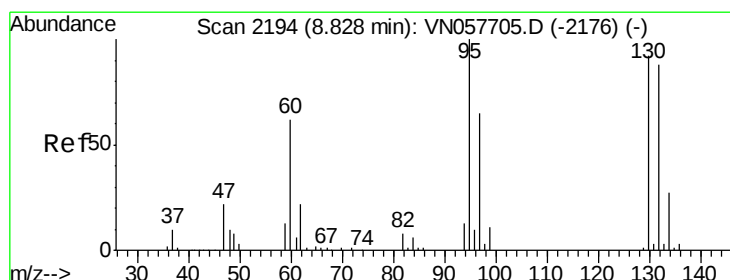
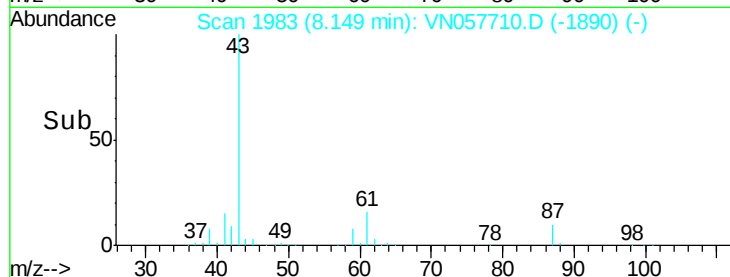
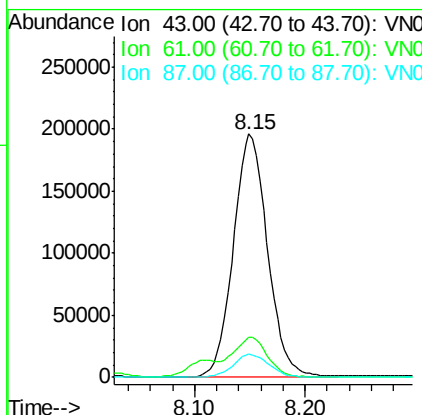
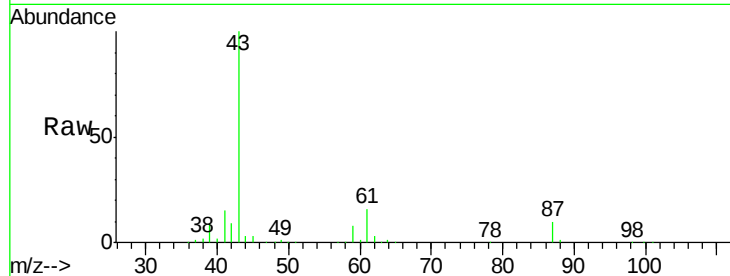
#43
Isopropyl Acetate
Concen: 52.652 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VN057710.D
Acq: 6 Sep 2019 14:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	420210
Ion	Ratio	Lower	Upper
43	100		
61	16.9	12.8	19.2
87	10.1	7.8	11.8

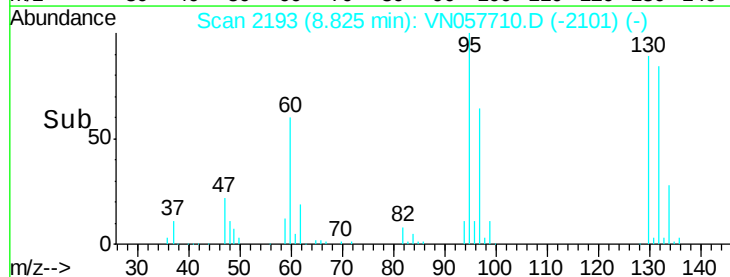
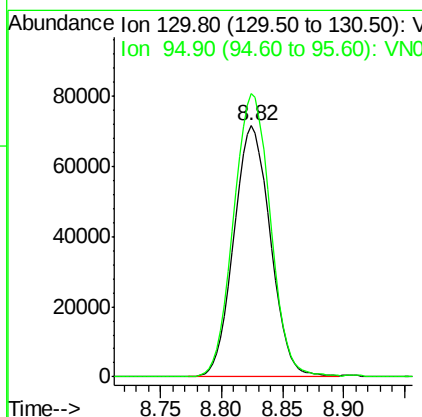
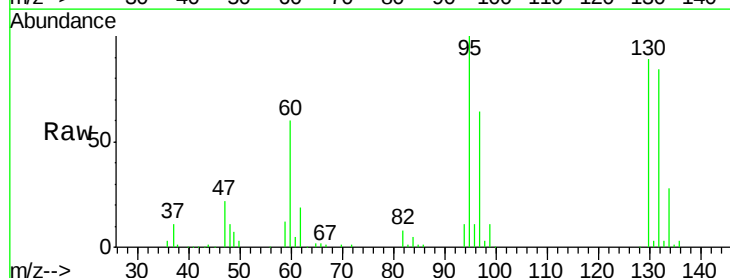
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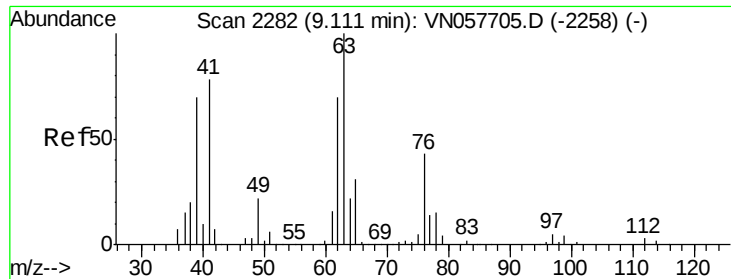
MMDadoda
9/9/2019 1:10:50 PM



#44
Trichloroethene
Concen: 56.060 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VN057710.D
Acq: 6 Sep 2019 14:23

Tgt Ion	130	Resp	149256
Ion	Ratio	Lower	Upper
130	100		
95	112.7	0.0	217.8





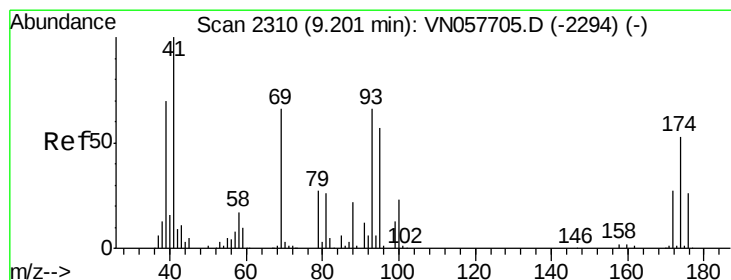
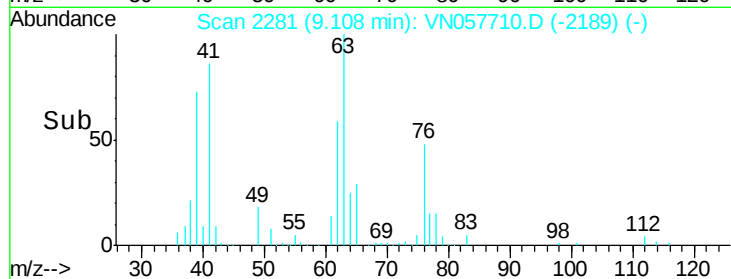
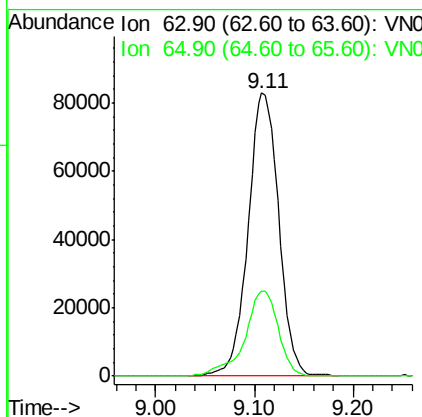
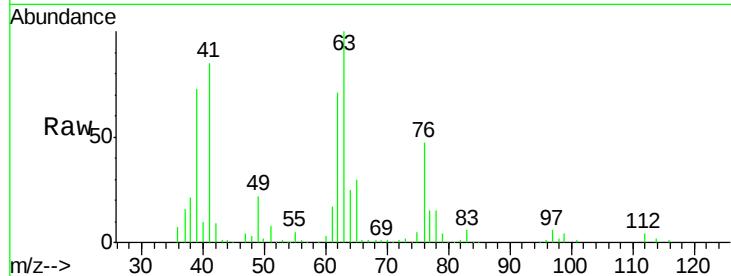
#45
 1,2-Dichloropropane
 Concen: 53.528 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN057710.D
 Acq: 6 Sep 2019 14:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 177347
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.5 36.7

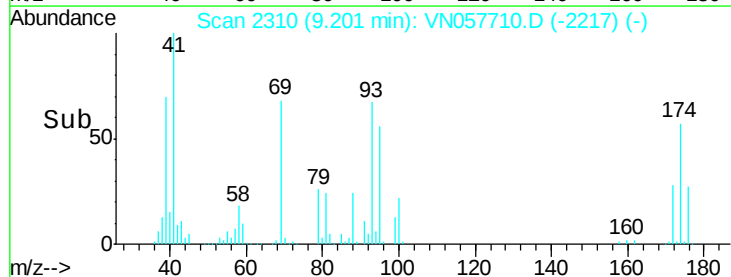
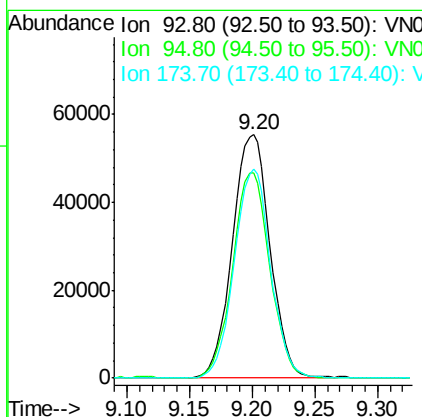
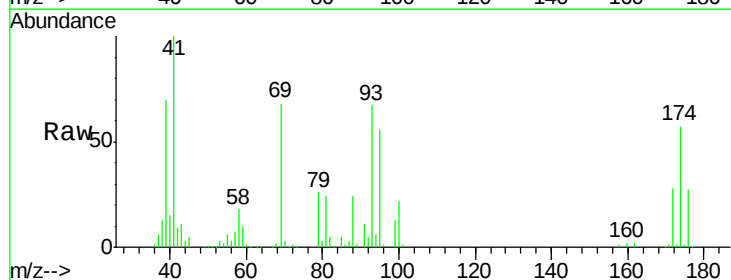
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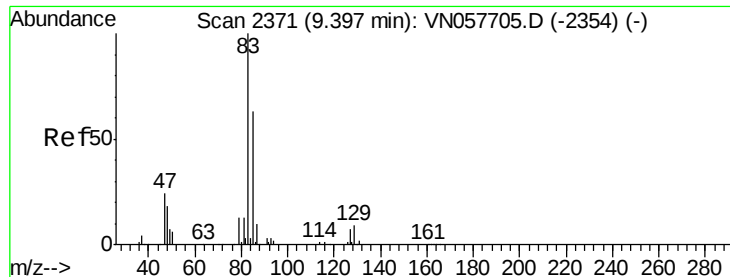
MMDadoda
 9/9/2019 1:10:50 PM



#46
 Dibromomethane
 Concen: 54.527 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057710.D
 Acq: 6 Sep 2019 14:23

Tgt Ion: 93 Resp: 115882
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.1 99.1
 174 82.6 63.4 95.2





#47

Bromodichloromethane

Concen: 54.856 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN057710.D

Acq: 6 Sep 2019 14:23

Instrument :

MSVOA_N

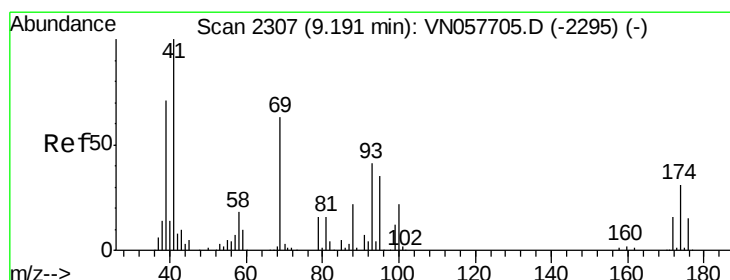
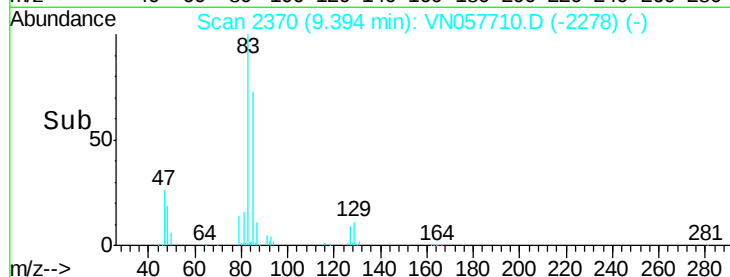
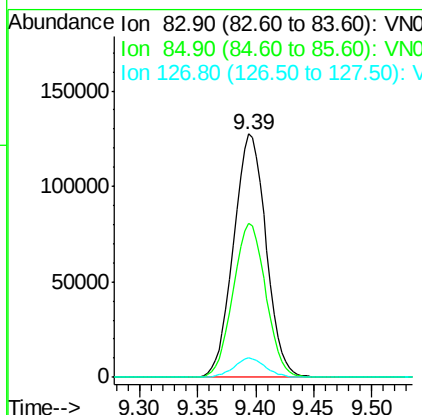
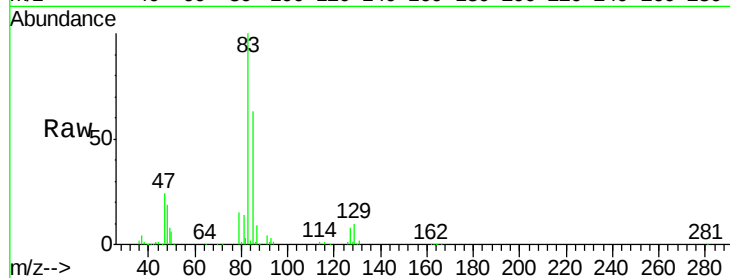
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	247763
Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.7	76.1
127	7.8	5.6	8.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.190 ug/l

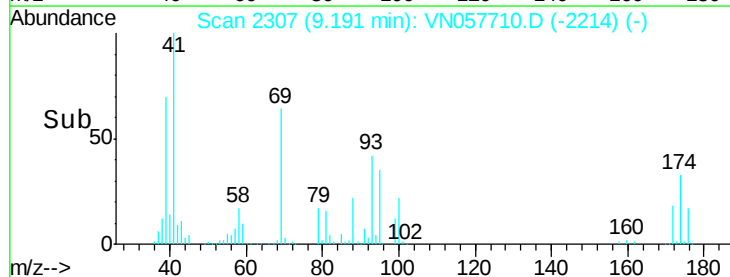
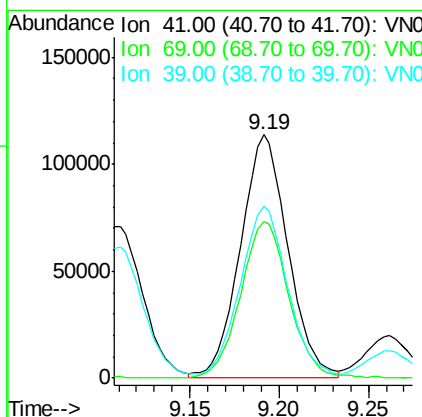
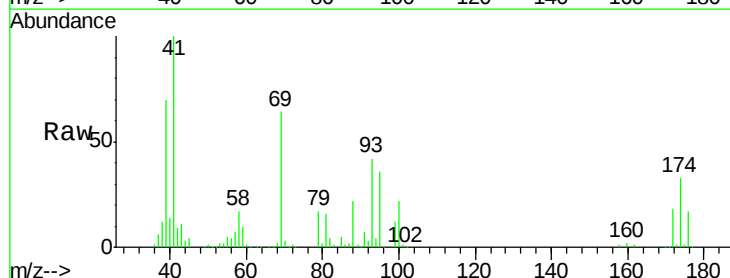
RT: 9.19 min Scan# 2307

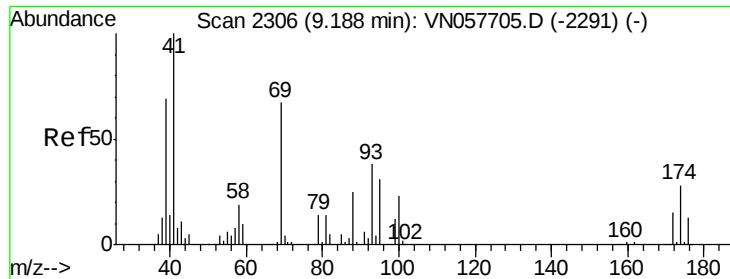
Delta R.T. 0.00 min

Lab File: VN057710.D

Acq: 6 Sep 2019 14:23

Tgt Ion:	41	Resp:	210109
Ion	Ratio	Lower	Upper
41	100		
69	65.1	51.2	76.8
39	71.4	57.3	85.9





#49

1,4-Dioxane

Concen: 1106.162 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN057710.D

Acq: 6 Sep 2019 14:23

Instrument :

MSVOA_N

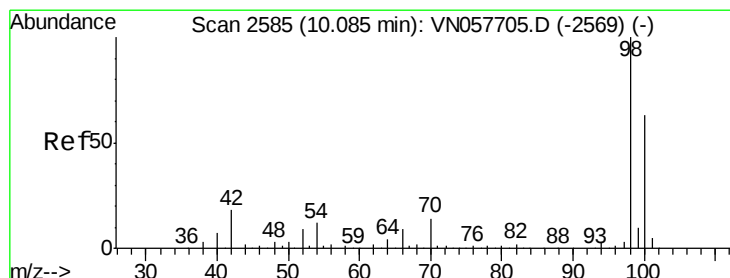
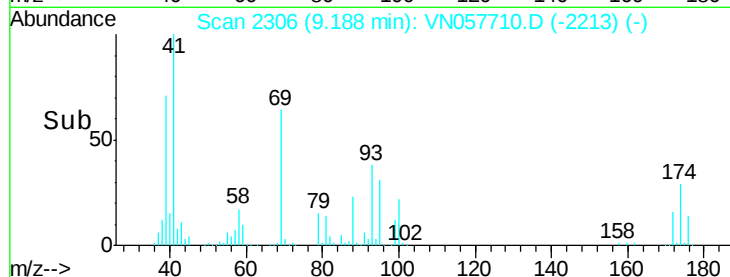
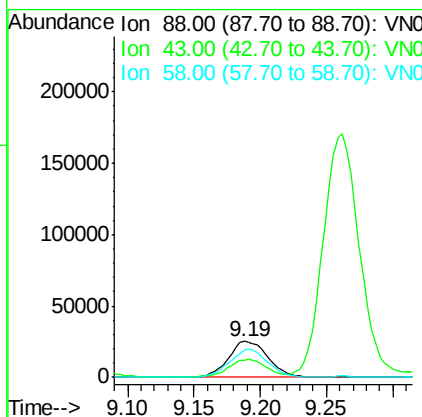
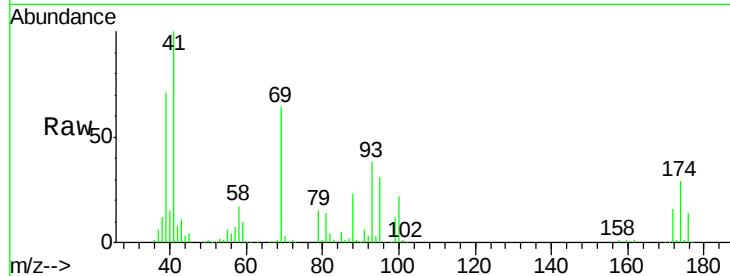
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	52827
Ion	Ratio	Lower	Upper
88	100		
43	45.0	35.4	53.2
58	74.9	61.5	92.3

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#50

Toluene-d8

Concen: 53.717 ug/l

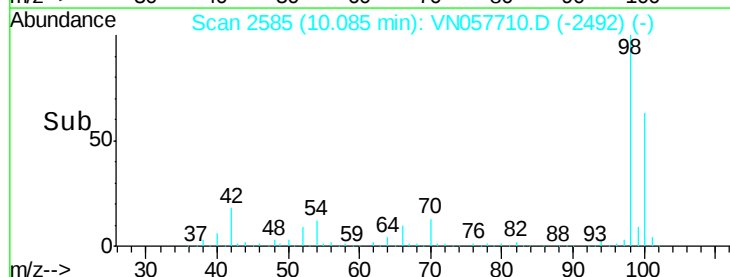
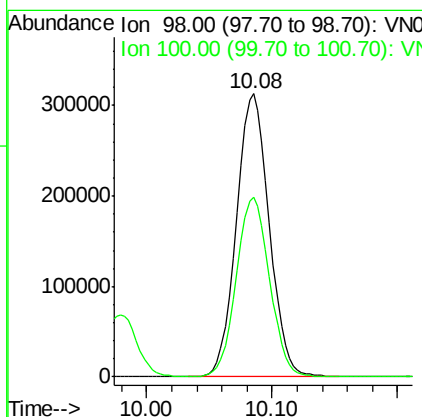
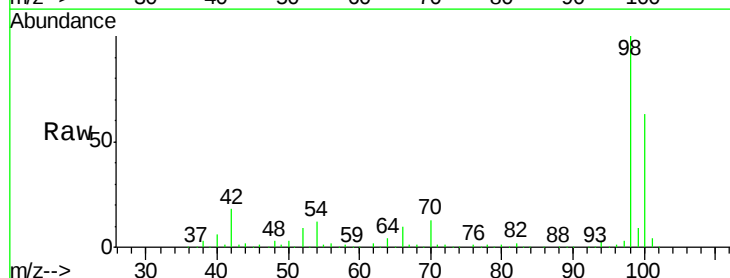
RT: 10.08 min Scan# 2585

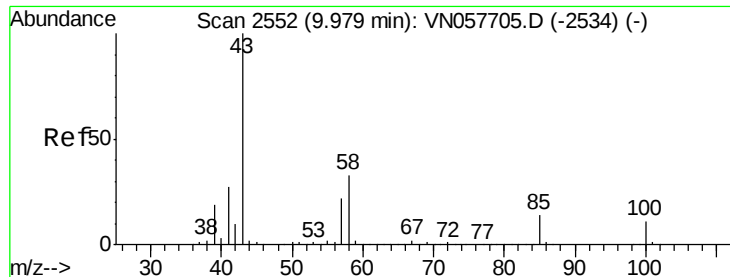
Delta R.T. 0.00 min

Lab File: VN057710.D

Acq: 6 Sep 2019 14:23

Tgt Ion:	98	Resp:	569815
Ion	Ratio	Lower	Upper
98	100		
100	64.5	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 275.158 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057710.D

Acq: 6 Sep 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1219568

Ion Ratio Lower Upper

43 100

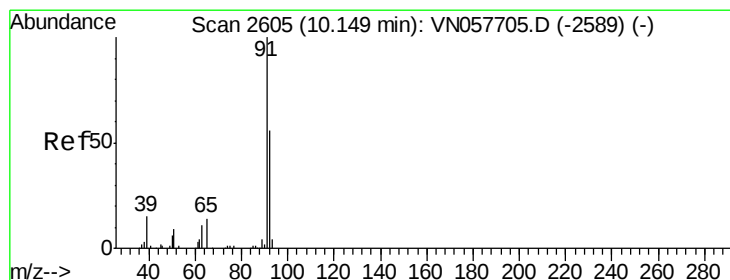
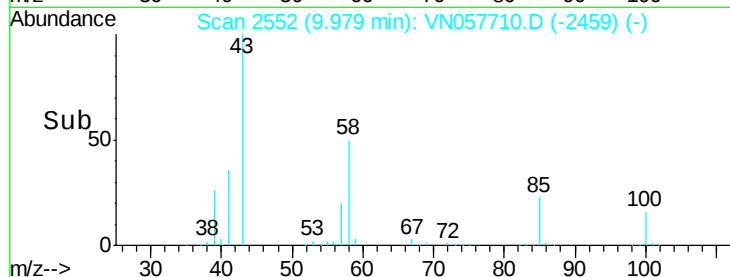
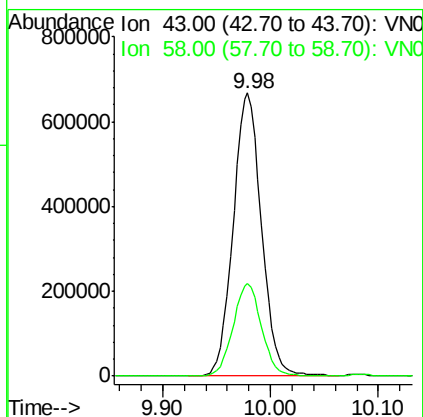
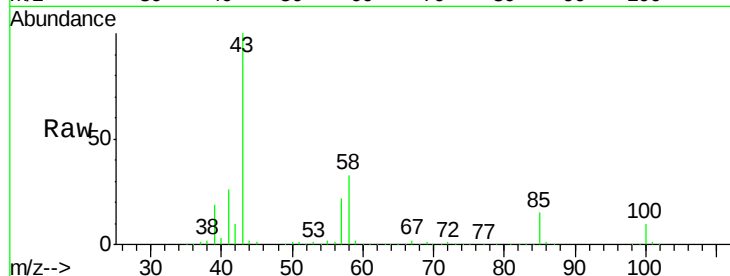
58 32.9 25.8 38.8

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#52

Toluene

Concen: 54.565 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN057710.D

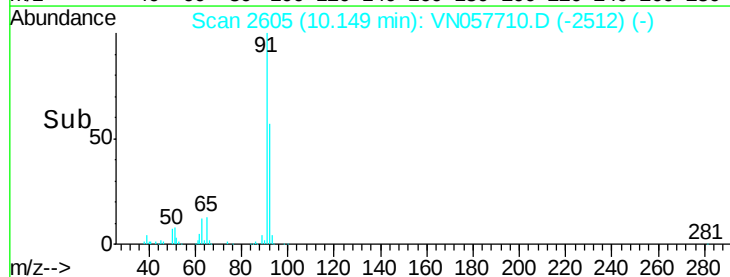
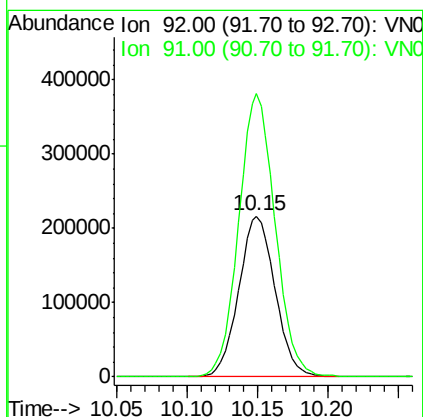
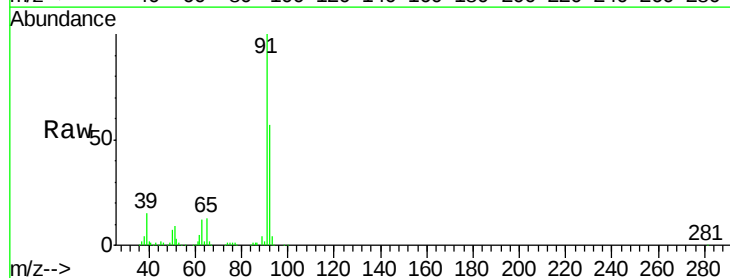
Acq: 6 Sep 2019 14:23

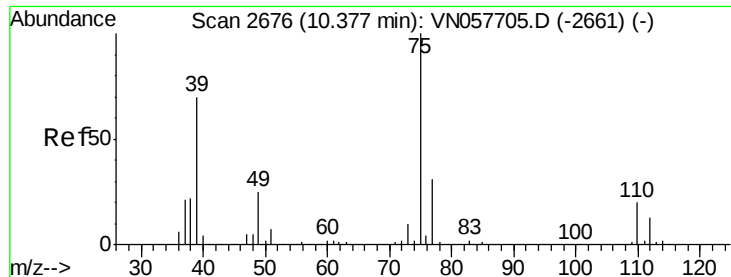
Tgt Ion: 92 Resp: 391770

Ion Ratio Lower Upper

92 100

91 176.4 141.5 212.3





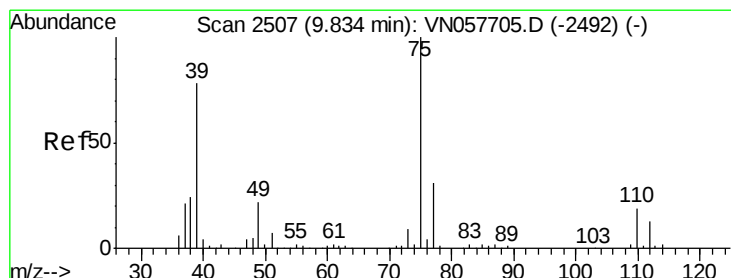
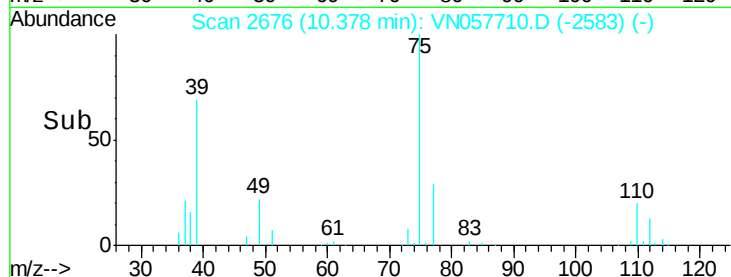
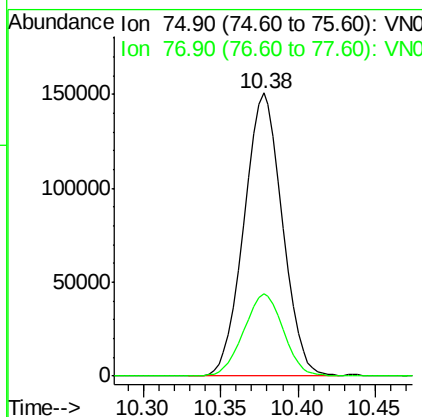
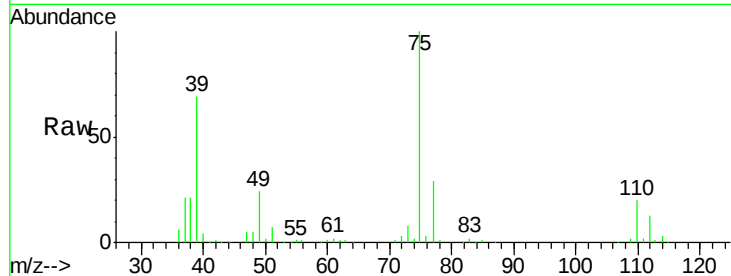
#53
t-1,3-Dichloropropene
Concen: 57.537 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057710.D
Acq: 6 Sep 2019 14:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 260713
Ion Ratio Lower Upper
75 100
77 29.2 25.1 37.7

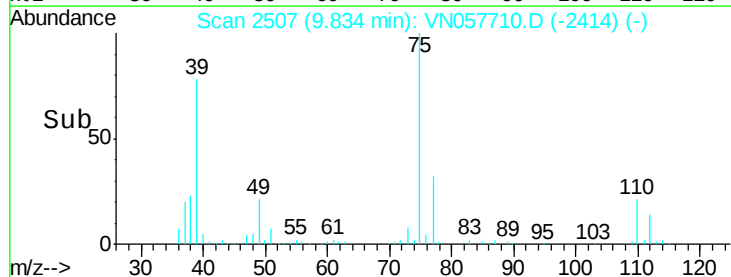
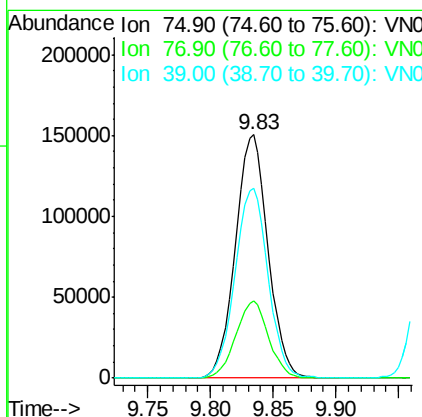
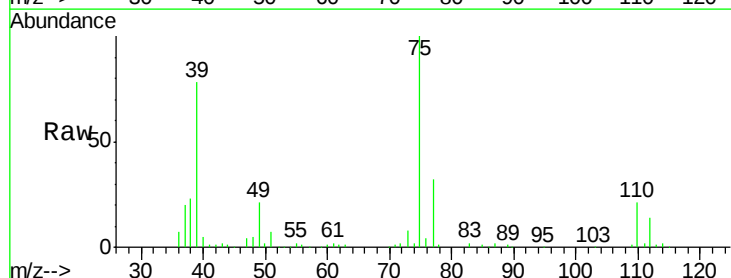
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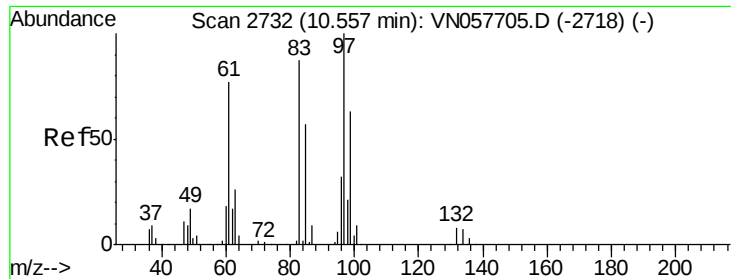
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#54
cis-1,3-Dichloropropene
Concen: 55.608 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057710.D
Acq: 6 Sep 2019 14:23

Tgt Ion: 75 Resp: 272236
Ion Ratio Lower Upper
75 100
77 31.5 25.1 37.7
39 77.7 62.4 93.6





#55

1,1,2-Trichloroethane

Concen: 54.922 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN057710.D

Acq: 6 Sep 2019 14:23

Instrument :

MSVOA_N

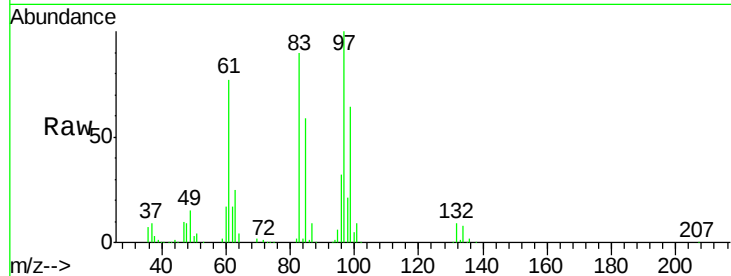
ClientSampled :

VSTDCCC050

Tot Ion:	97	Resp:	158693
Ion	Ratio	Lower	Upper
97	100		
83	89.8	69.5	104.3
85	59.4	45.7	68.5
99	64.2	50.2	75.4

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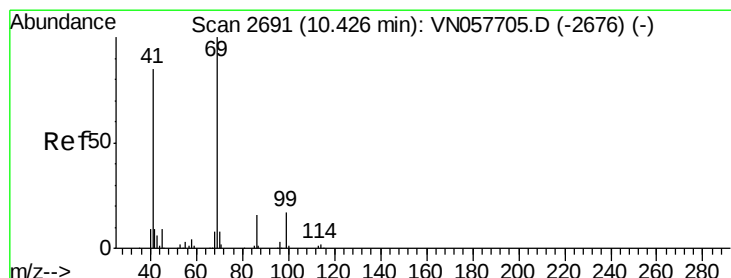
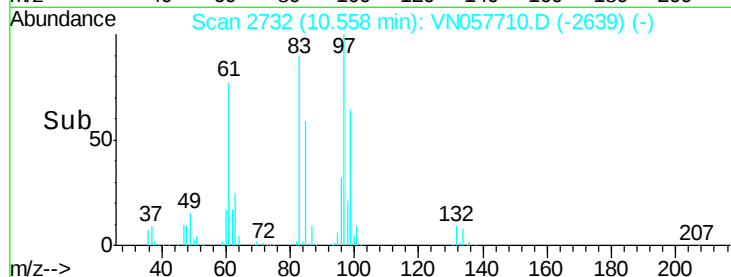
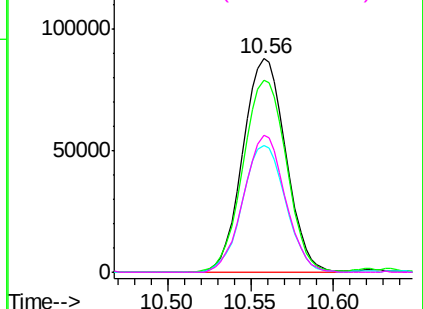


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 56.271 ug/l

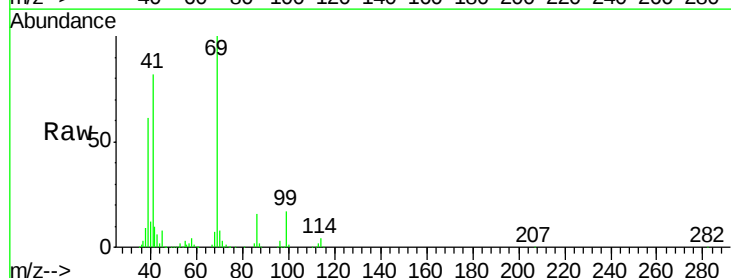
RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057710.D

Acq: 6 Sep 2019 14:23

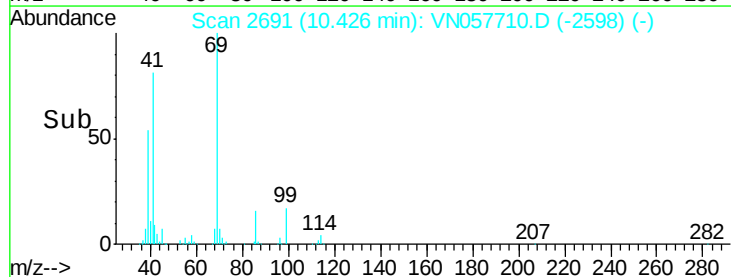
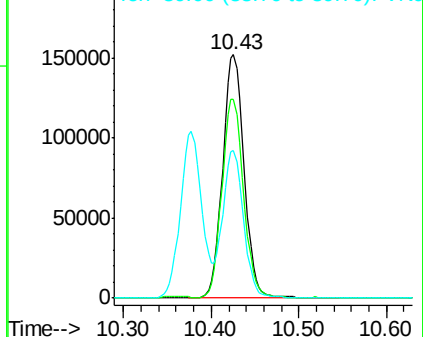
Tgt Ion:	69	Resp:	259517
Ion	Ratio	Lower	Upper
69	100		
41	81.6	69.0	103.4
39	57.9	49.2	73.8

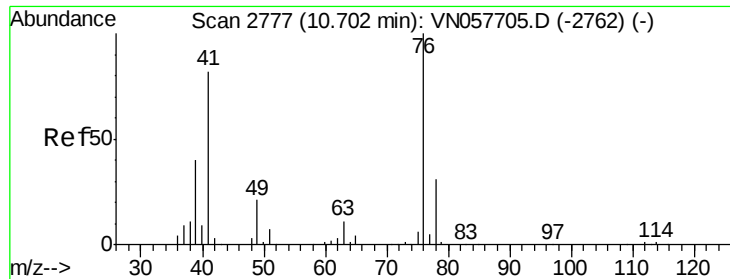


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





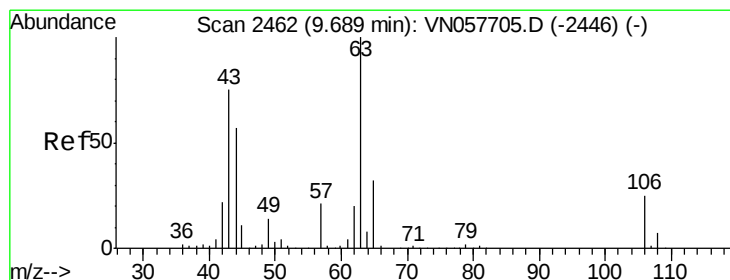
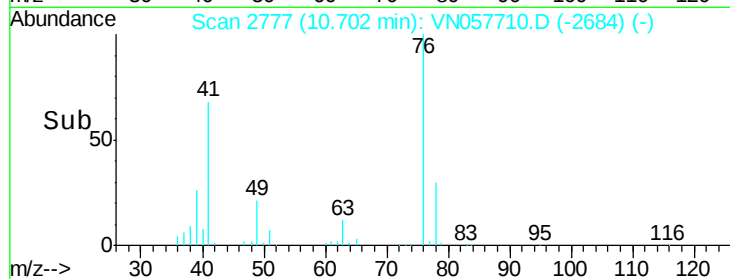
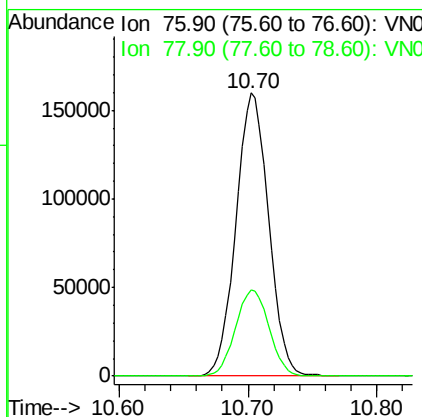
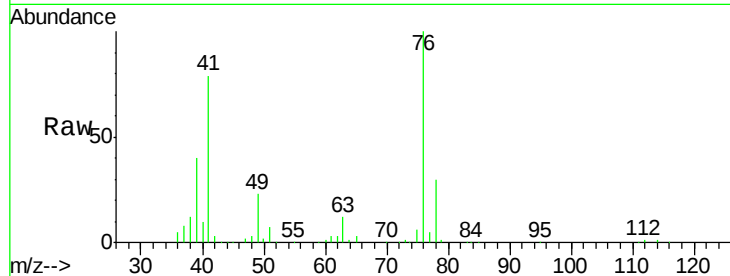
#57
 1,3-Dichloropropane
 Concen: 54.264 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: VN057710.D
 Acq: 6 Sep 2019 14:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.3	25.5	38.3

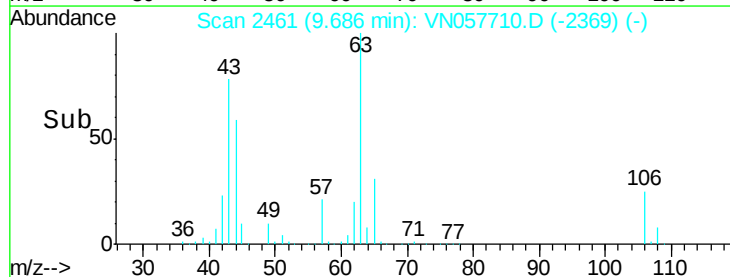
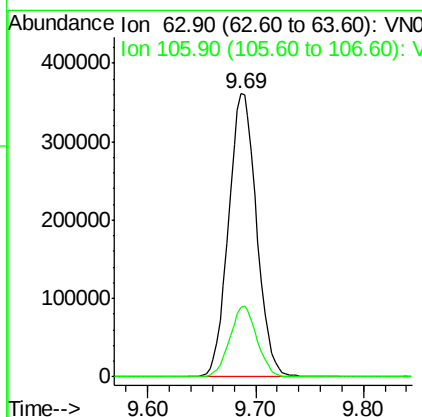
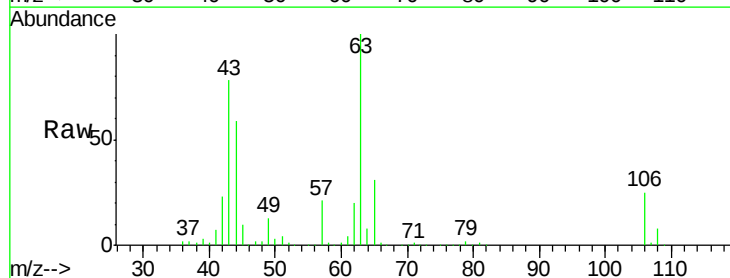
Manual Integrations
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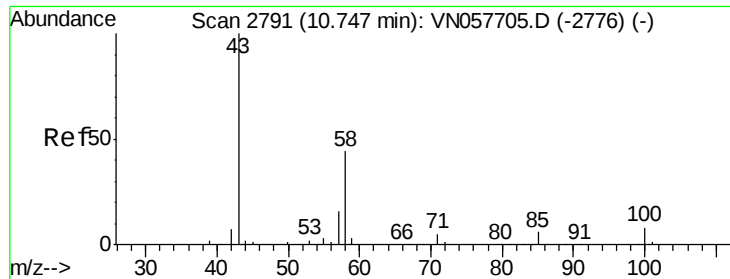
MMDadoda
 9/9/2019 1:10:50 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 279.931 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. -0.00 min
 Lab File: VN057710.D
 Acq: 6 Sep 2019 14:23

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.2	19.4	29.2





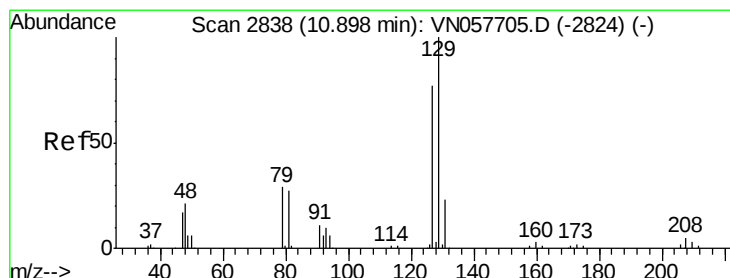
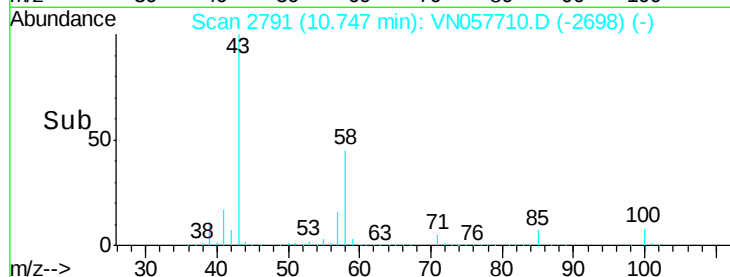
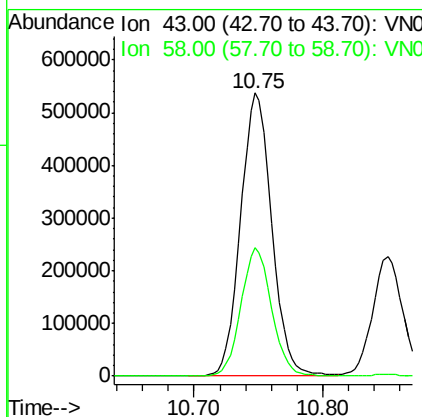
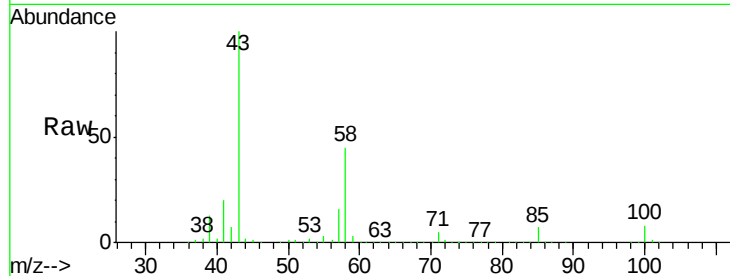
#59
2-Hexanone
Concen: 288.462 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057710.D
Acq: 6 Sep 2019 14:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 901569
Ion Ratio Lower Upper
43 100
58 44.6 22.1 66.5

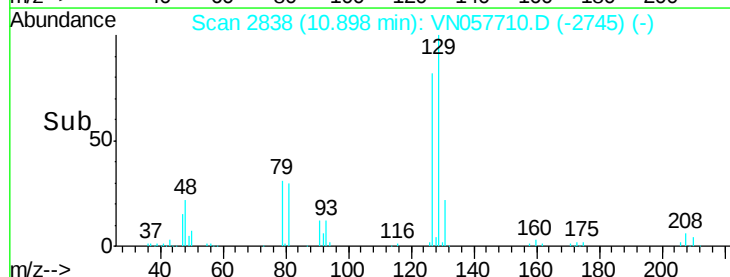
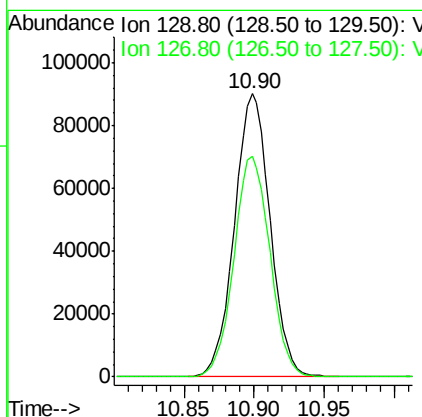
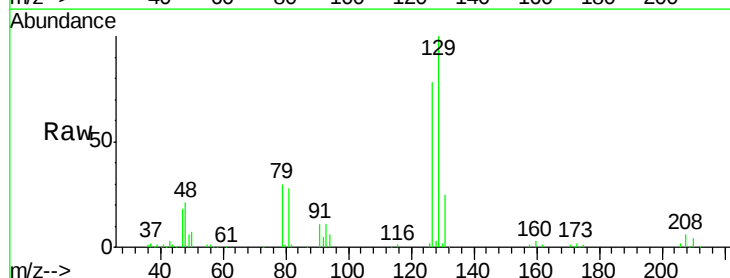
Manual Integrations
APPROVED

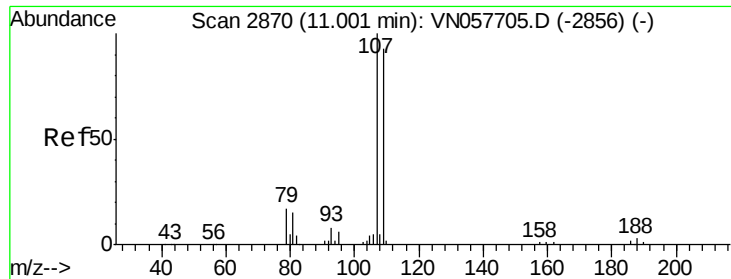
MMDadoda
9/9/2019 1:10:50 PM



#60
Dibromochloromethane
Concen: 51.151 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057710.D
Acq: 6 Sep 2019 14:23

Tgt Ion: 129 Resp: 159509
Ion Ratio Lower Upper
129 100
127 78.8 38.4 115.2





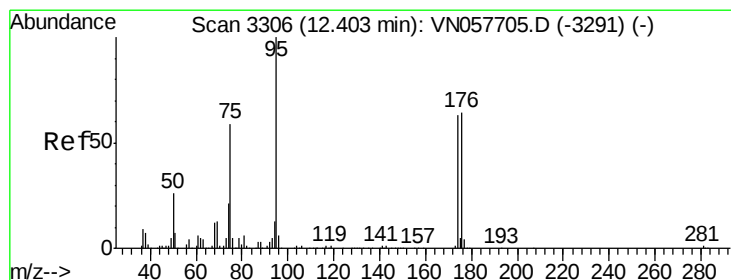
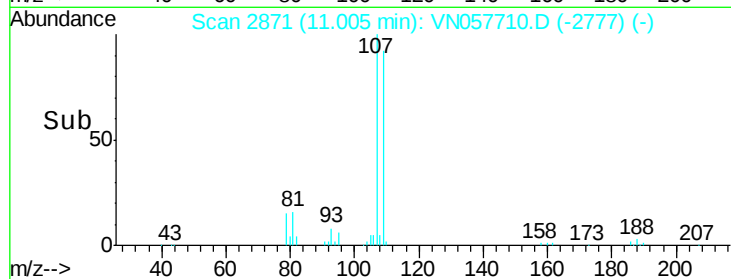
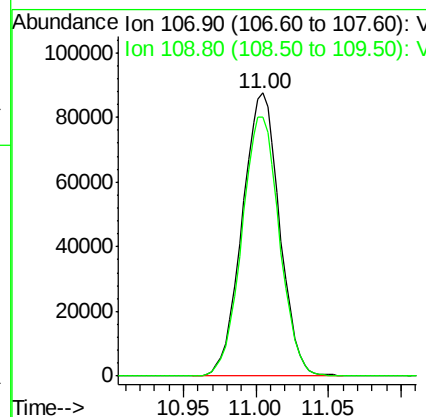
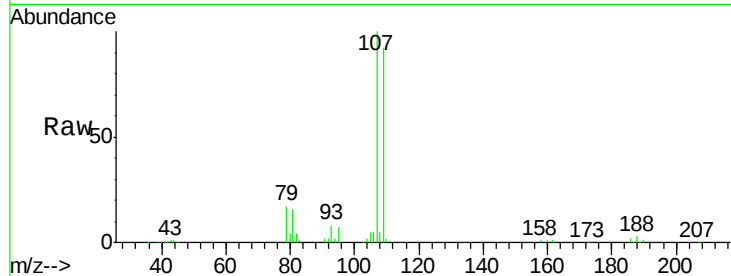
#61
 1,2-Dibromoethane
 Concen: 56.362 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057710.D
 Acq: 6 Sep 2019 14:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.1	74.6	112.0

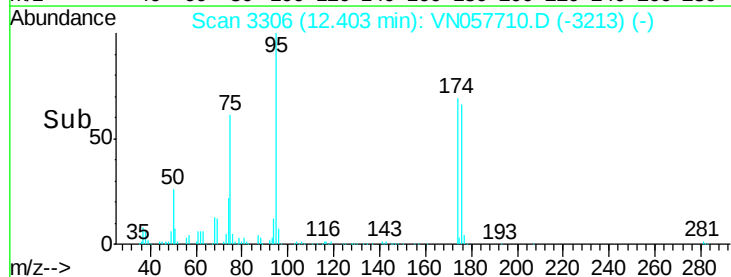
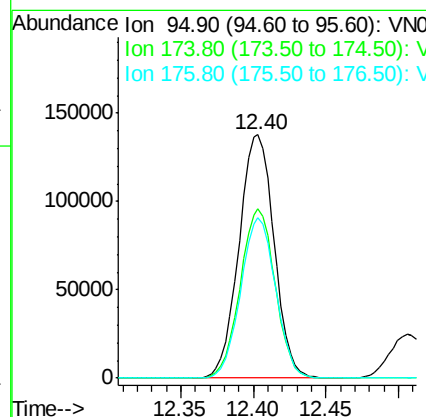
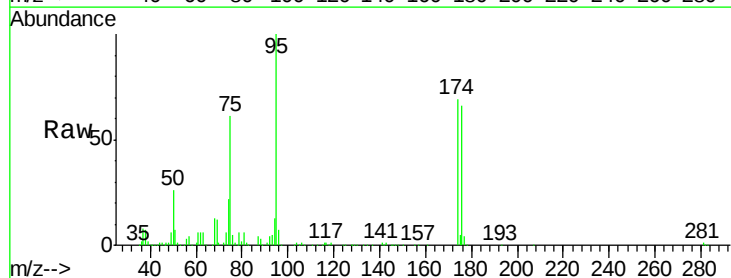
Manual Integrations
 APPROVED

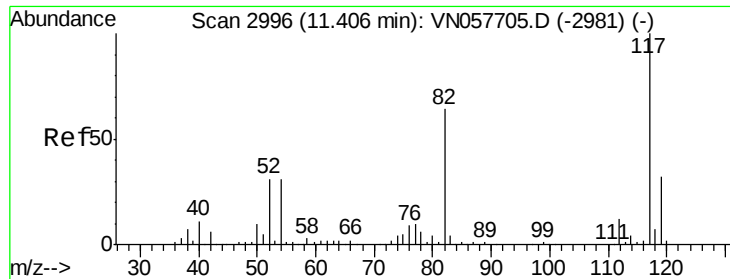
MMDadoda
 9/9/2019 1:10:50 PM



#62
 4-Bromofluorobenzene
 Concen: 52.670 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057710.D
 Acq: 6 Sep 2019 14:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	69.1	0.0	128.0
176	65.5	0.0	128.0





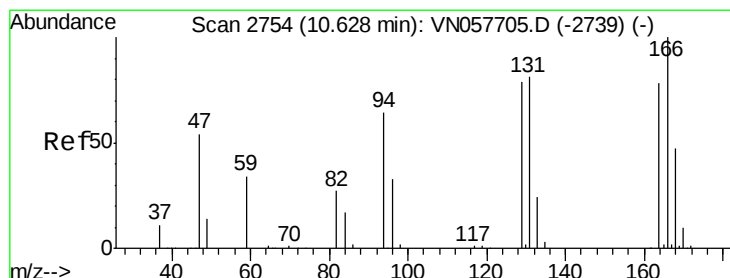
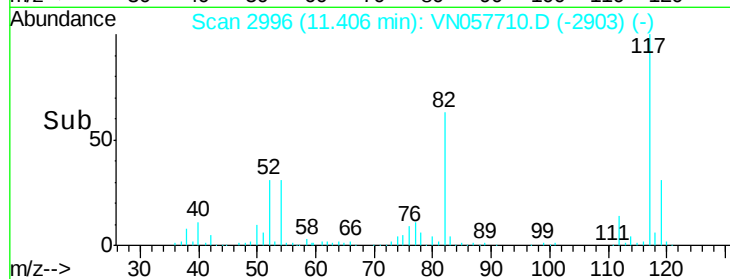
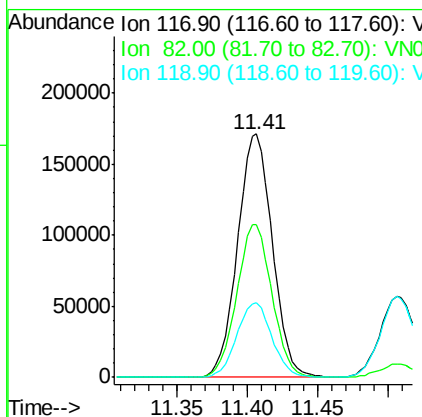
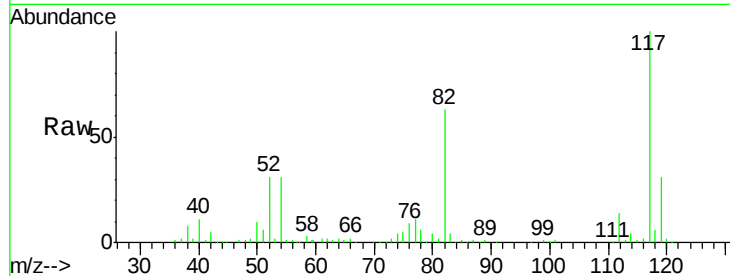
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057710.D
Acq: 6 Sep 2019 14:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	296555		
82	62.7	51.4	77.0	
119	30.6	25.4	38.2	

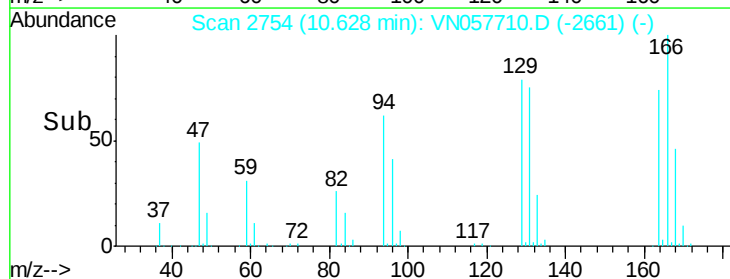
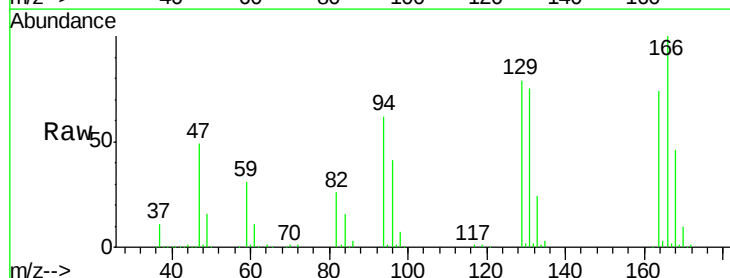
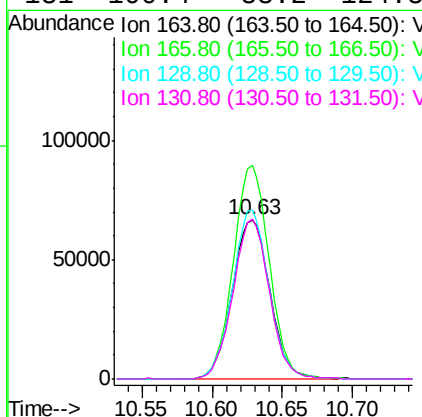
Manual Integrations
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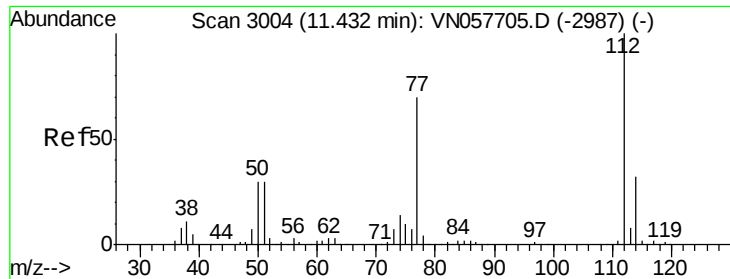
MMDadoda
9/9/2019 1:10:50 PM



#64
Tetrachloroethene
Concen: 54.327 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057710.D
Acq: 6 Sep 2019 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	125606		
166	134.2	103.0	154.6	
129	106.4	81.1	121.7	
131	100.4	83.2	124.8	





#65

Chlorobenzene

Concen: 53.838 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN057710.D

Acq: 6 Sep 2019 14:23

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:112 Resp: 416482

Ion Ratio Lower Upper

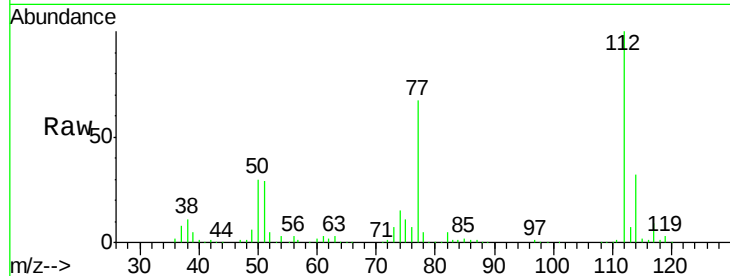
112 100

114 31.6 25.8 38.8

Manual Integrations
APPROVED

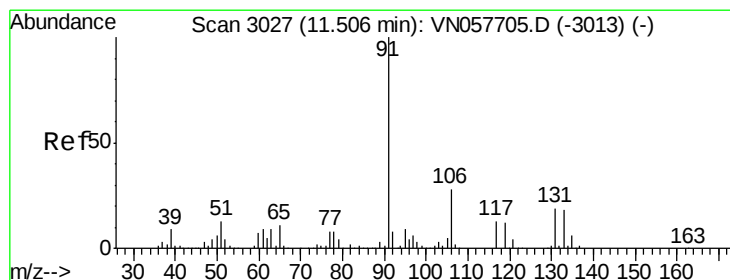
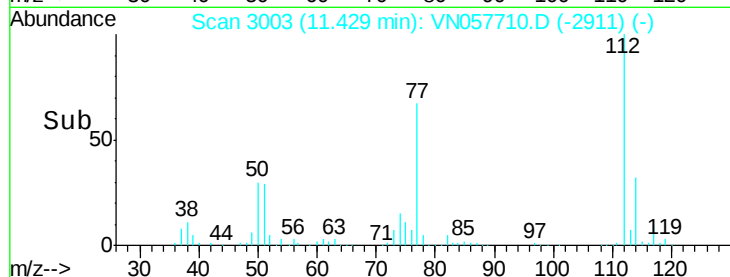
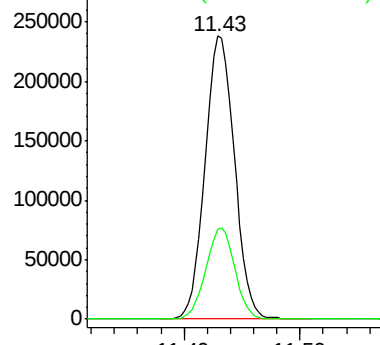
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 57.269 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN057710.D

Acq: 6 Sep 2019 14:23

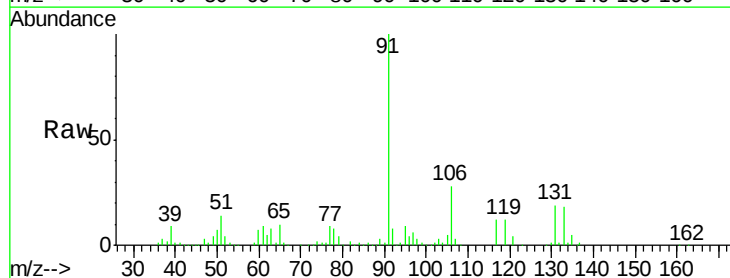
Tgt Ion:131 Resp: 154155

Ion Ratio Lower Upper

131 100

133 93.9 47.6 142.9

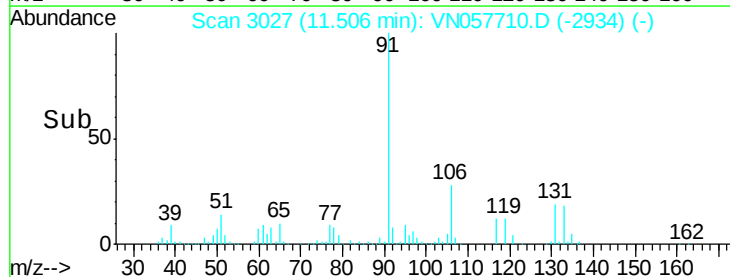
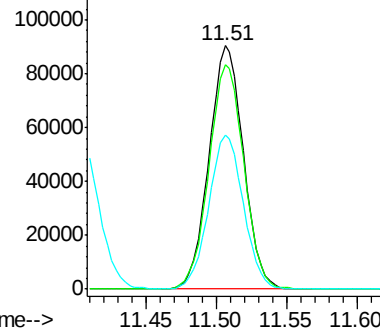
119 63.9 32.8 98.3

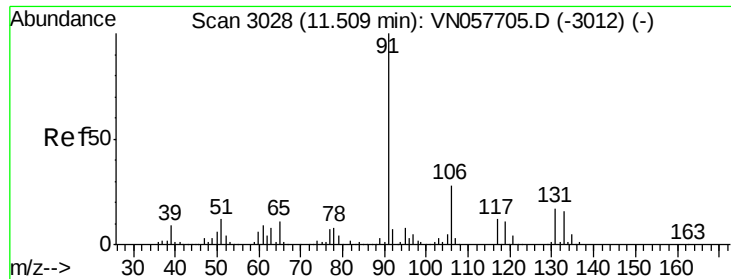


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





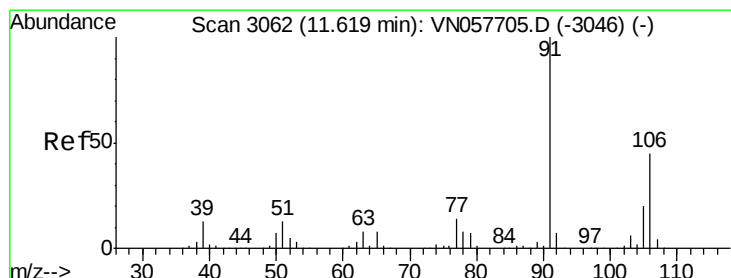
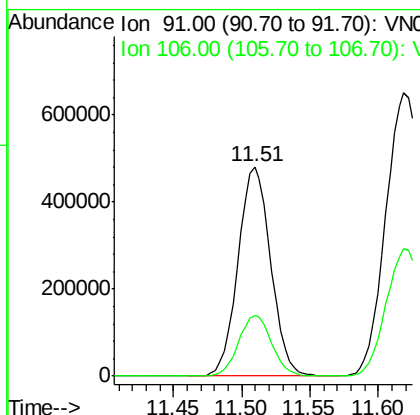
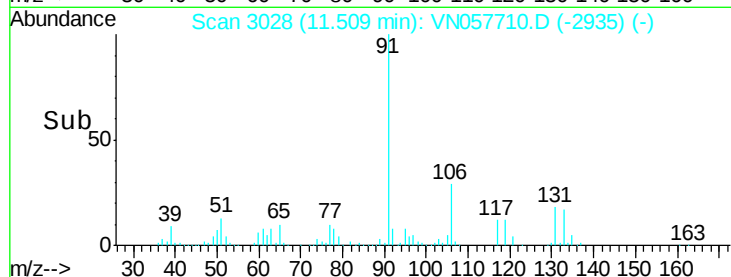
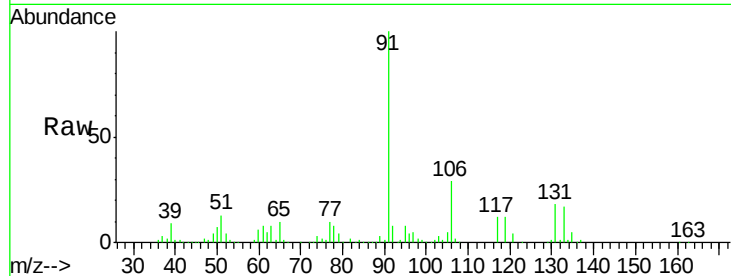
#67
Ethyl Benzene
Concen: 53.534 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057710.D
Acq: 6 Sep 2019 14:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 799025
Ion Ratio Lower Upper
91 100
106 28.9 22.8 34.2

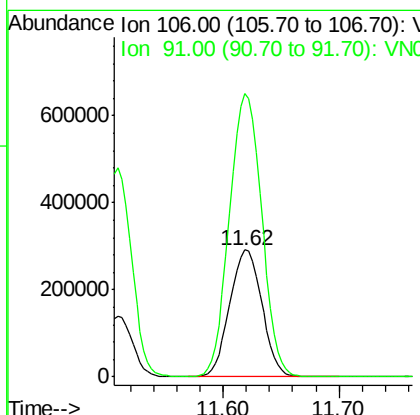
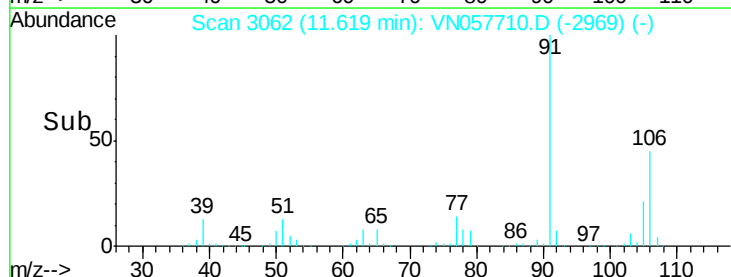
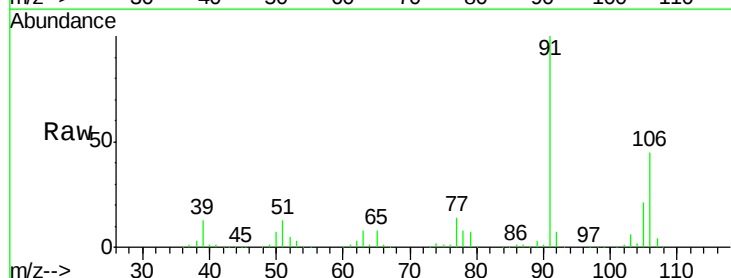
Manual Integrations
APPROVED

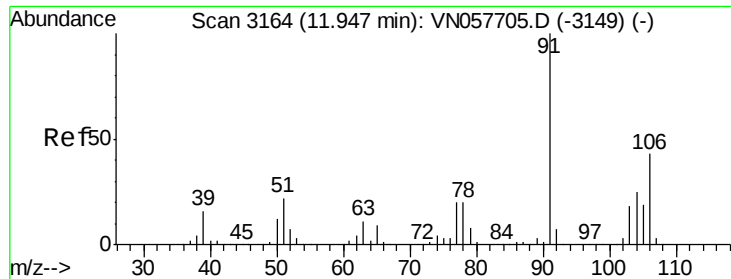
MMDadoda
9/9/2019 1:10:50 PM



#68
m/p-Xylenes
Concen: 109.521 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057710.D
Acq: 6 Sep 2019 14:23

Tgt Ion: 106 Resp: 563030
Ion Ratio Lower Upper
106 100
91 223.0 179.8 269.8





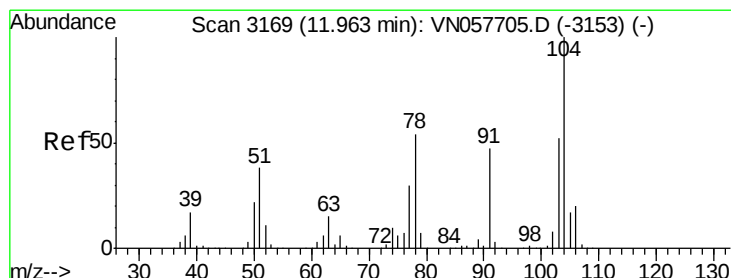
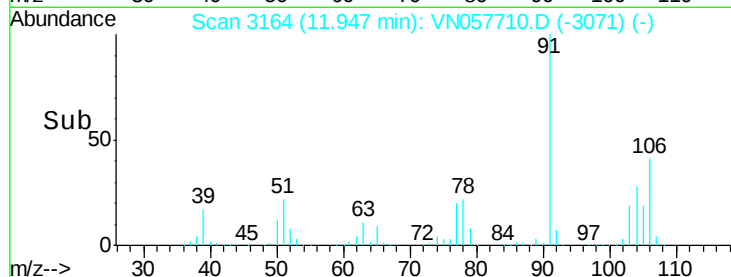
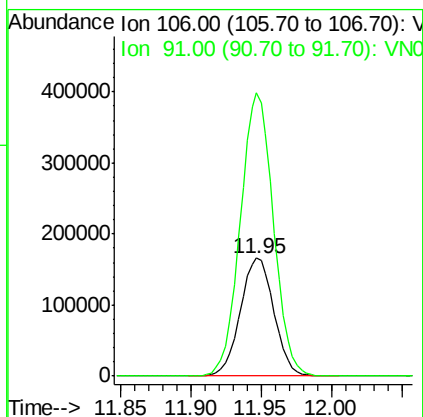
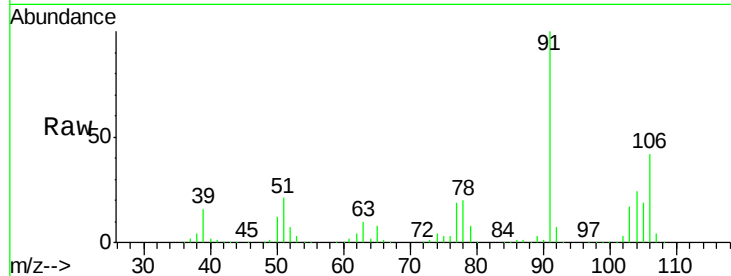
#69
o-Xylene
Concen: 54.345 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057710.D
Acq: 6 Sep 2019 14:23

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 276637
Ion Ratio Lower Upper
106 100
91 236.5 116.8 350.4

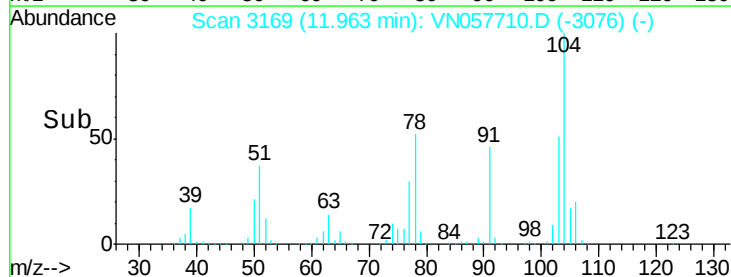
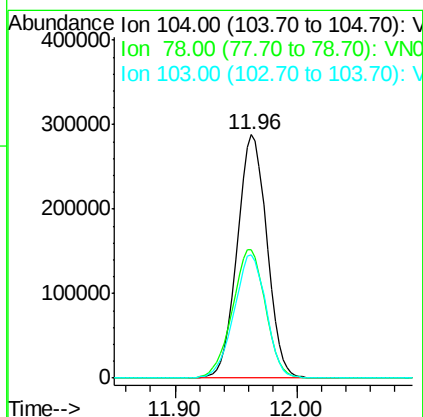
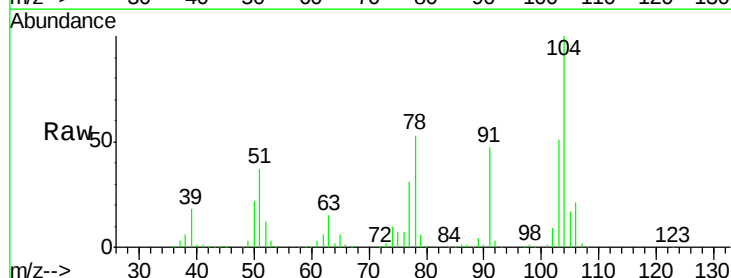
Manual Integrations
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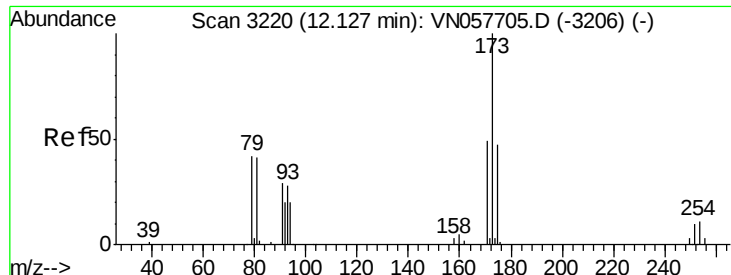
MMDadoda
9/9/2019 1:10:50 PM



#70
Styrene
Concen: 55.015 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057710.D
Acq: 6 Sep 2019 14:23

Tgt Ion:104 Resp: 484566
Ion Ratio Lower Upper
104 100
78 59.1 48.5 72.7
103 54.8 45.0 67.4





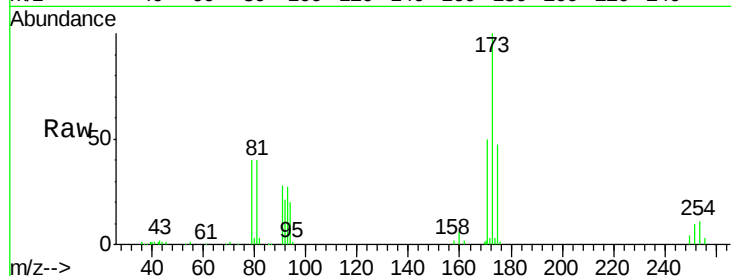
#71
Bromoform
Concen: 50.600 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057710.D
Acq: 6 Sep 2019 14:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

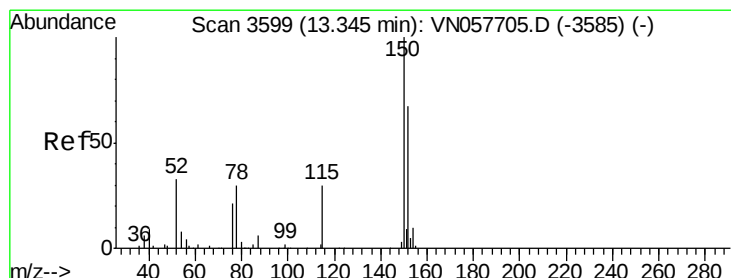
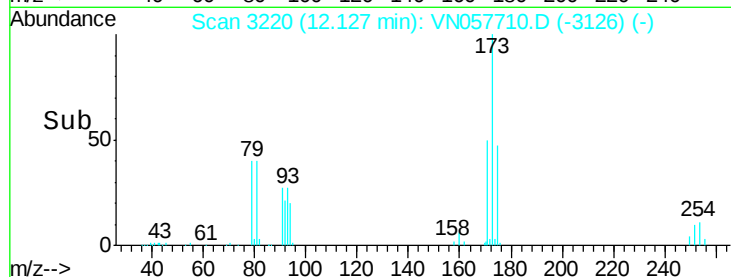
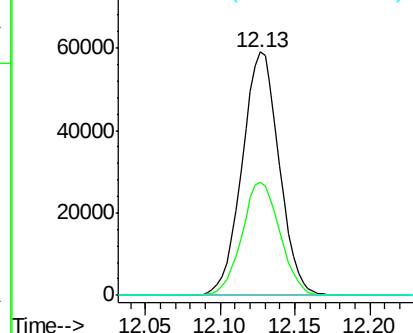
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.6	73.8
254	0.0	0.0	0.0#

Manual Integrations
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9/9/2019 1:10:50 PM

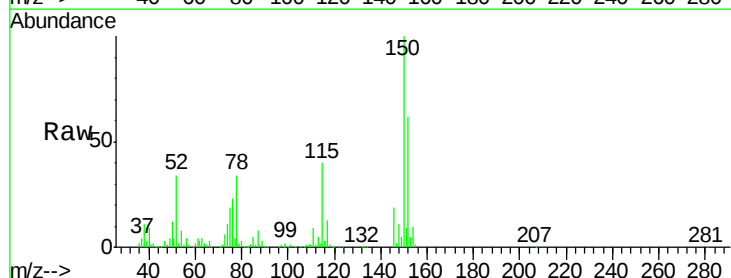


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

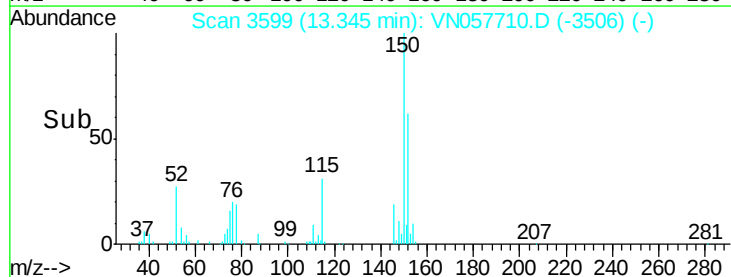
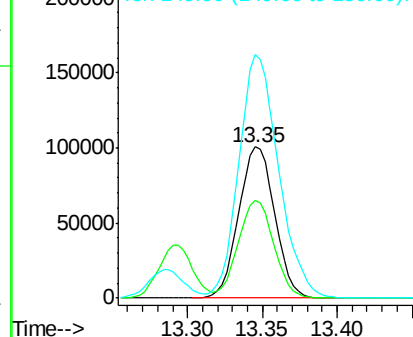


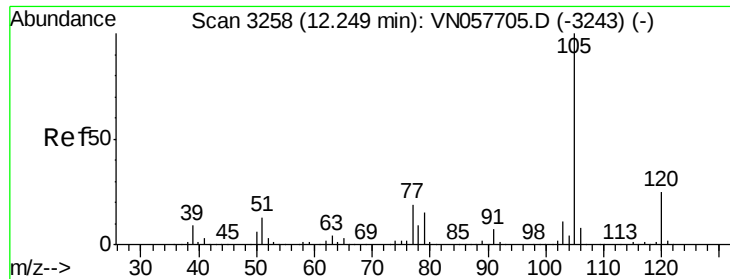
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN057710.D
Acq: 6 Sep 2019 14:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.1	33.8	101.3
150	177.3	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





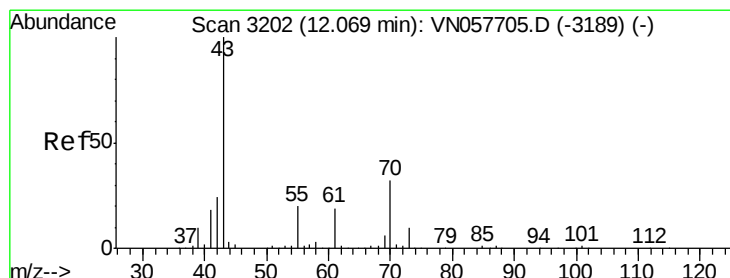
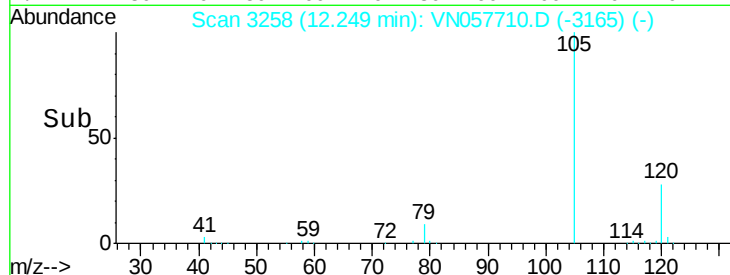
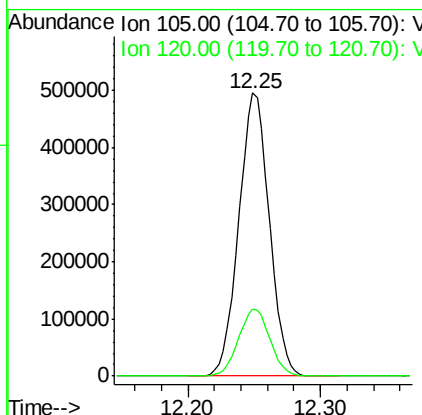
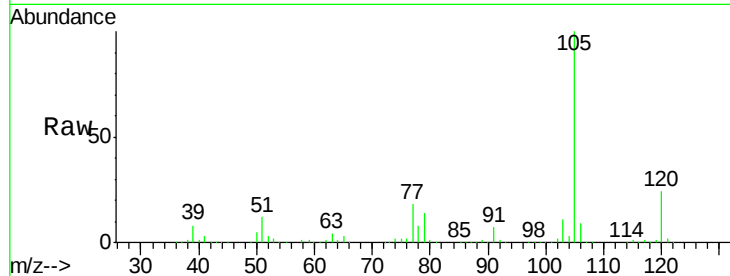
#73
Isopropylbenzene
Concen: 53.033 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN057710.D
Acq: 6 Sep 2019 14:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	24.2	12.2	36.6

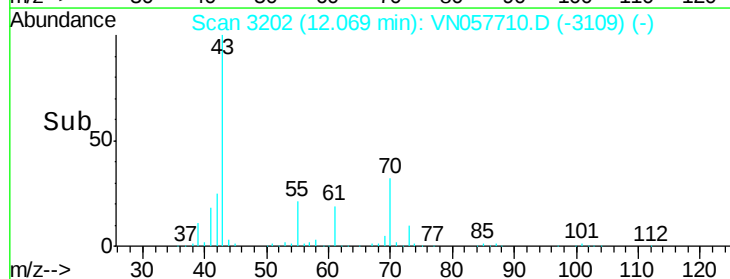
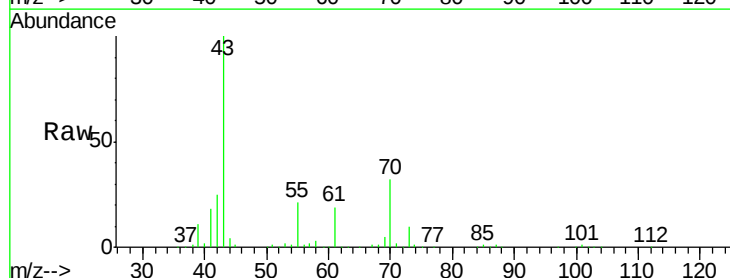
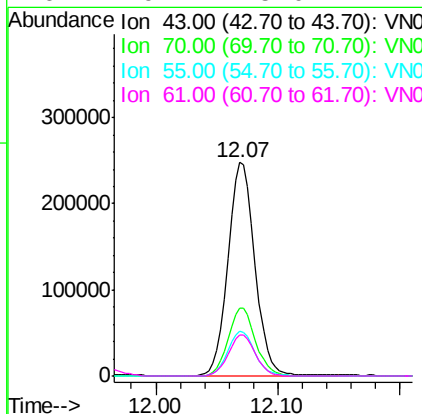
Manual Integrations
APPROVED

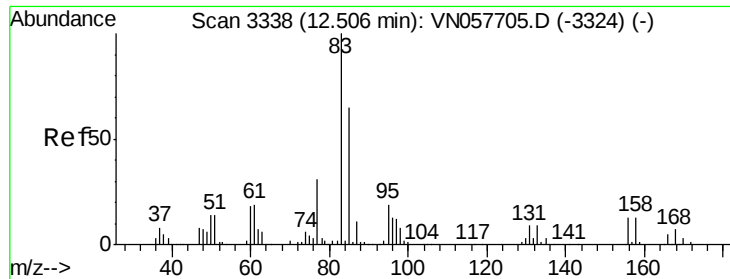
MMDadoda
9/9/2019 1:10:50 PM



#74
N-ethyl acetate
Concen: 51.587 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN057710.D
Acq: 6 Sep 2019 14:23

Tgt Ion	Ratio	Lower	Upper
43	100		
70	32.3	26.1	39.1
55	21.1	16.3	24.5
61	19.2	15.0	22.4





#75

1,1,2,2-Tetrachloroethane

Concen: 51.858 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057710.D

Acq: 6 Sep 2019 14:23

Instrument :

MSVOA_N

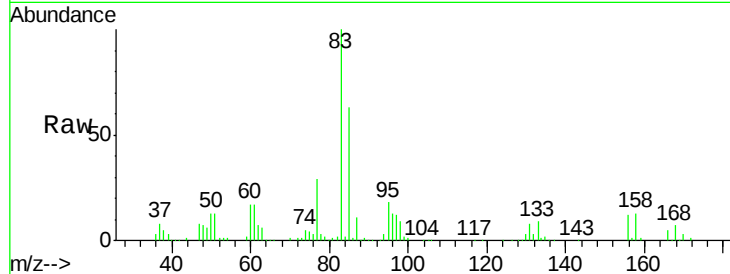
ClientSampleId :

VSTDCCC050

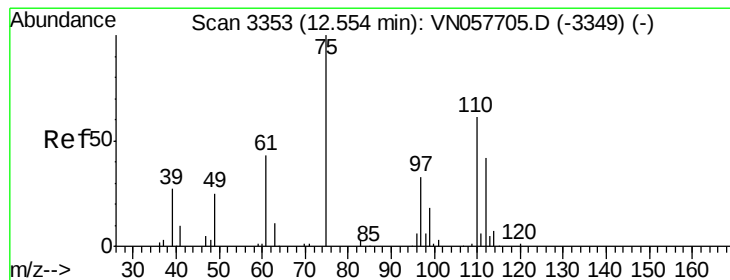
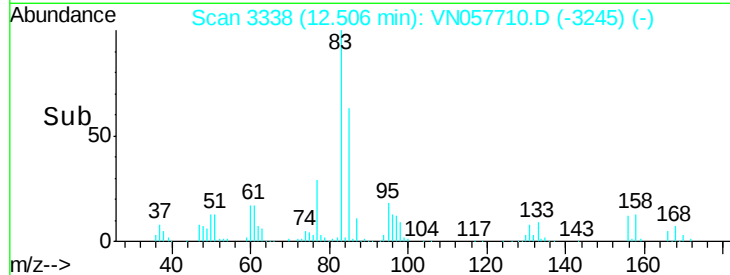
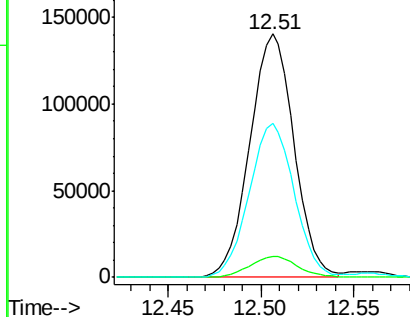
Tot Ion:	83	Resp:	232071
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.5	13.5
85	64.4	31.8	95.3

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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: 53.118 ug/l m

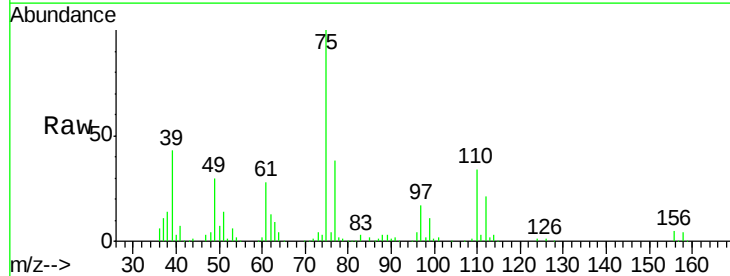
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

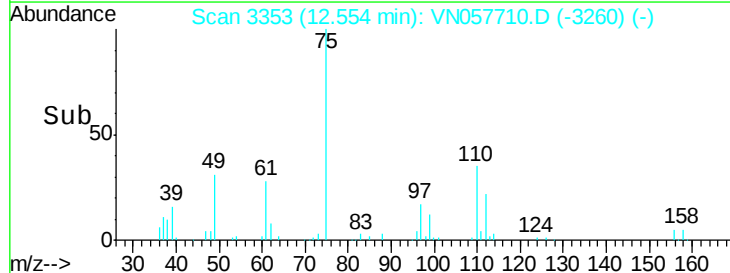
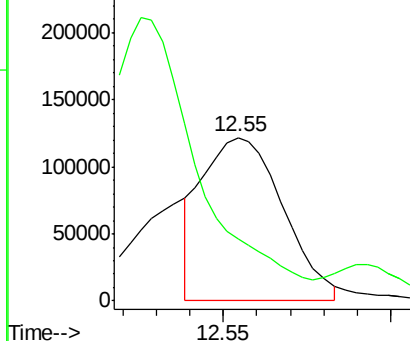
Lab File: VN057710.D

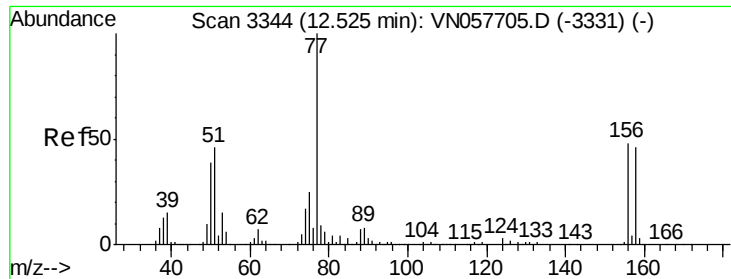
Acq: 6 Sep 2019 14:23

Tgt Ion:	75	Resp:	205907
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: 54.328 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057710.D

Acq: 6 Sep 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 176144

Ion Ratio Lower Upper

156 100

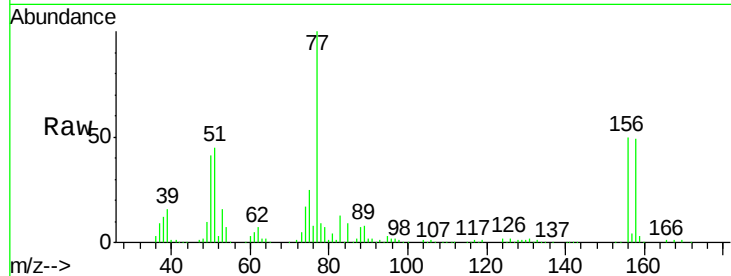
77 239.7 125.4 376.2

158 98.8 49.3 147.9

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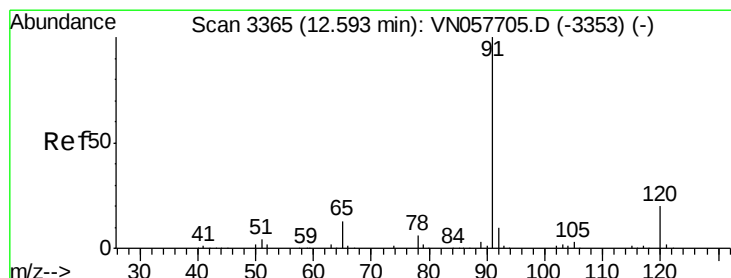
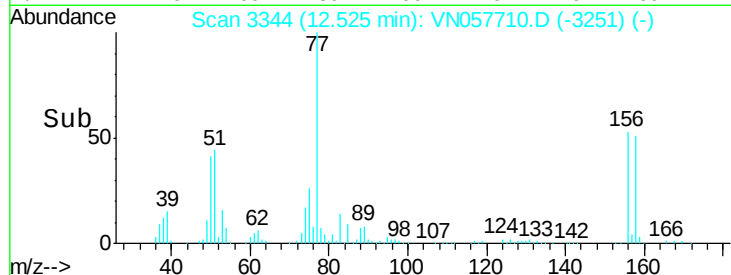
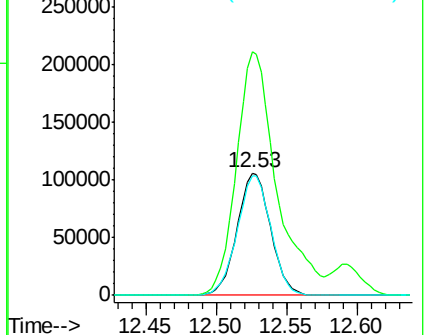
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.443 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057710.D

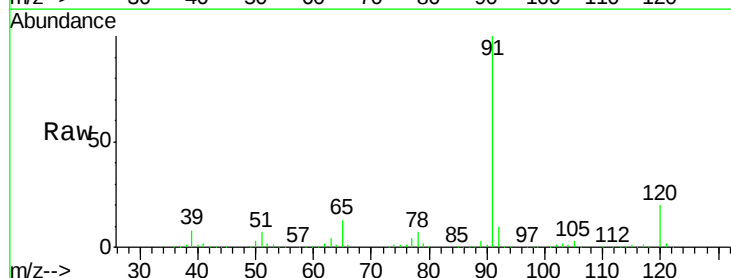
Acq: 6 Sep 2019 14:23

Tgt Ion: 91 Resp: 947591

Ion Ratio Lower Upper

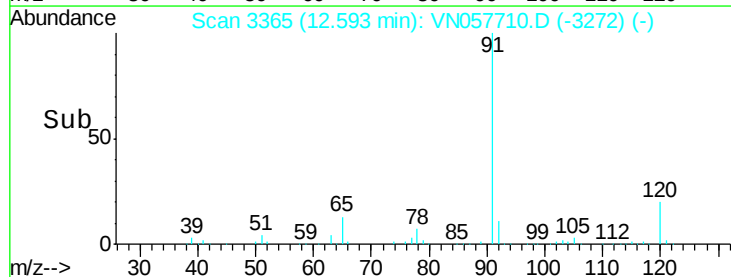
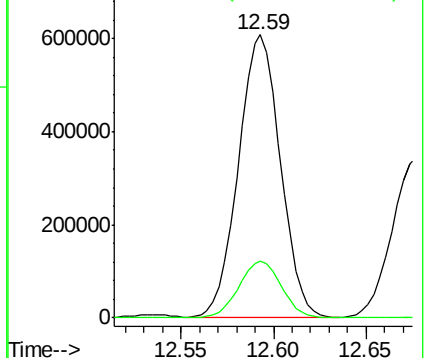
91 100

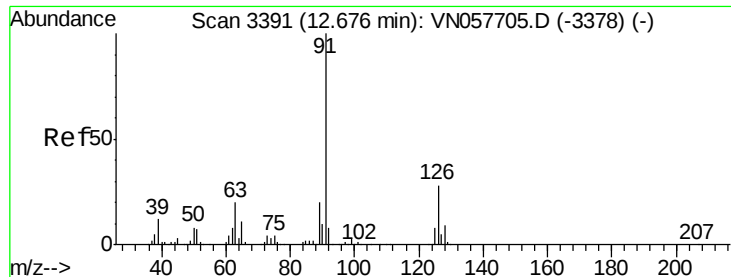
120 20.3 10.0 30.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.501 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057710.D

Acq: 6 Sep 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 566697

Ion Ratio Lower Upper

91 100

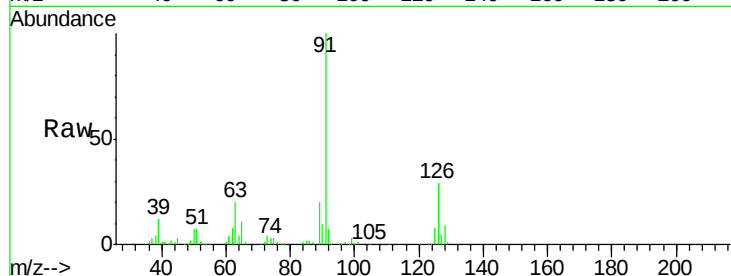
126 29.0 14.5 43.5

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Abundance Ion 91.00 (90.70 to 91.70): VN057710.D (-3391) (-)

Ion 125.90 (125.60 to 126.60): VN057710.D (-3391) (-)

600000

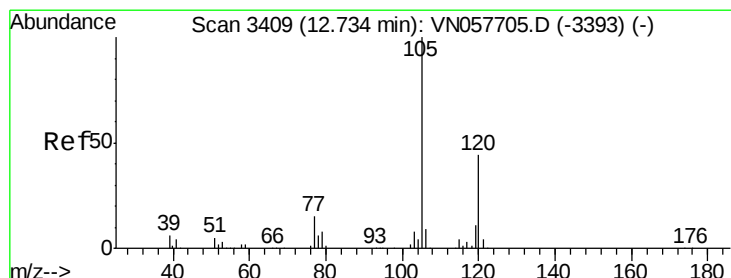
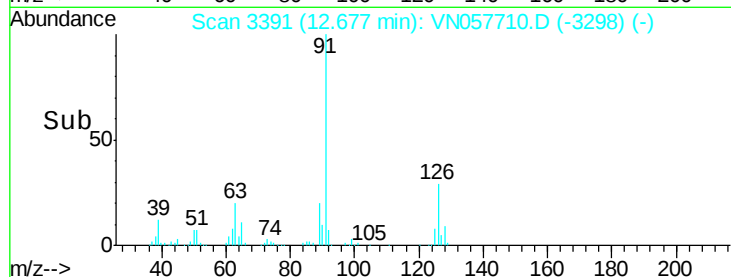
400000

200000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 53.576 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057710.D

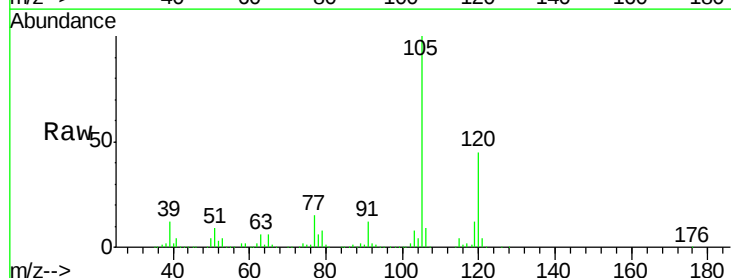
Acq: 6 Sep 2019 14:23

Tgt Ion: 105 Resp: 679207

Ion Ratio Lower Upper

105 100

120 45.0 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): VN057710.D (-3409) (-)

Ion 120.00 (119.70 to 120.70): VN057710.D (-3409) (-)

500000

400000

300000

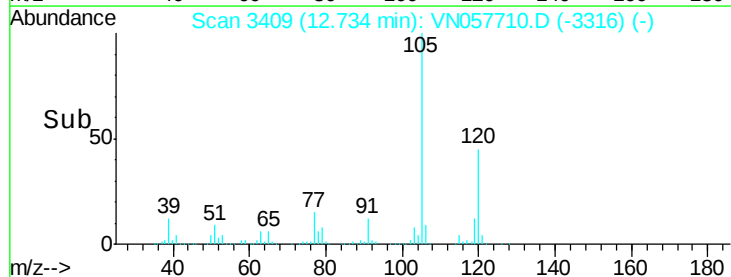
200000

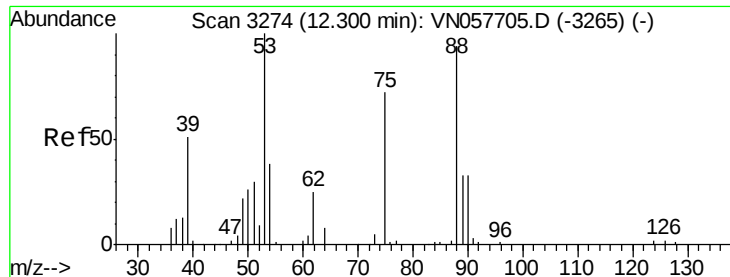
100000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 53.279 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057710.D

Acq: 6 Sep 2019 14:23

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 75 Resp: 66408

Ion Ratio Lower Upper

75 100

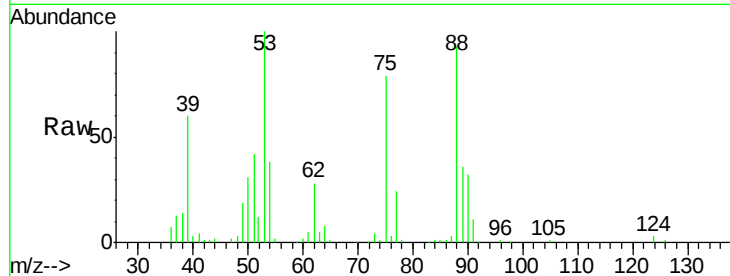
53 131.3 107.0 160.6

89 46.1 36.5 54.7

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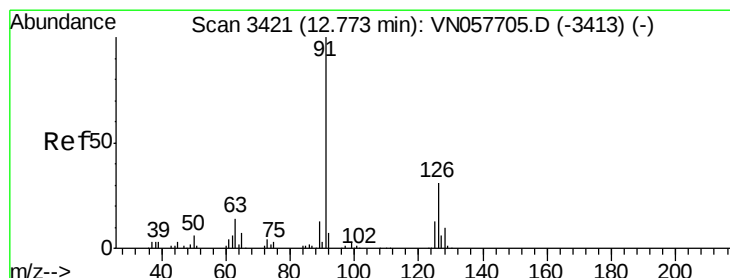
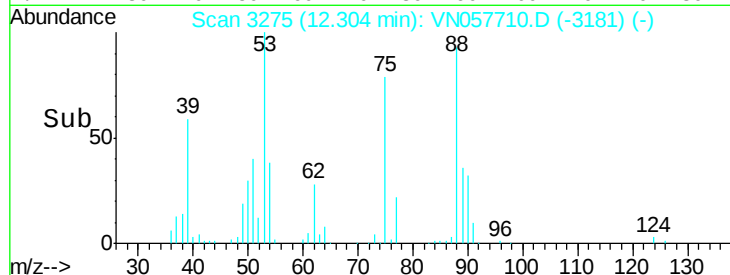
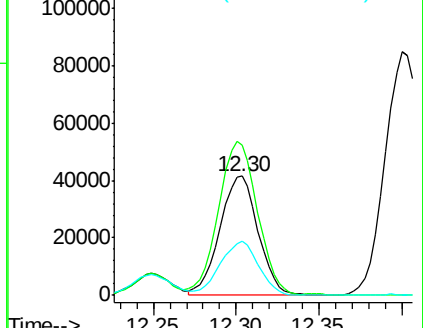
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Abundance Ion 74.90 (74.60 to 75.60): VN057710.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN057710.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN057710.D (-3181) (-)



#82

4-Chlorotoluene

Concen: 52.807 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN057710.D

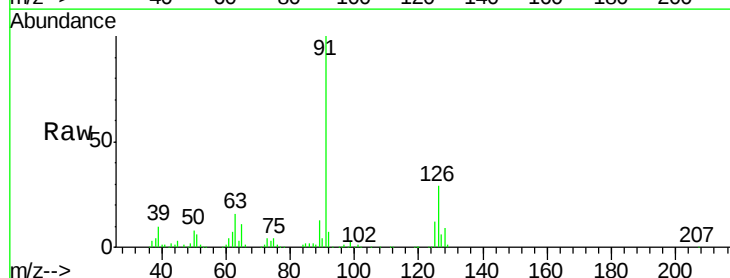
Acq: 6 Sep 2019 14:23

Tgt Ion: 91 Resp: 587043

Ion Ratio Lower Upper

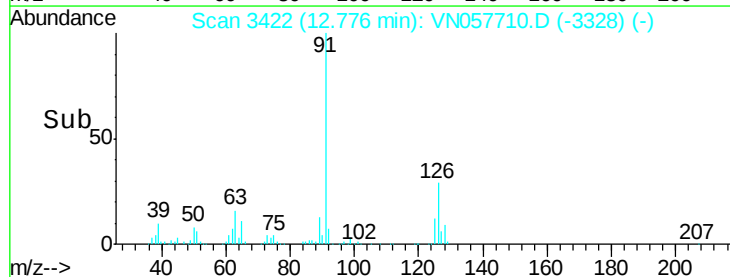
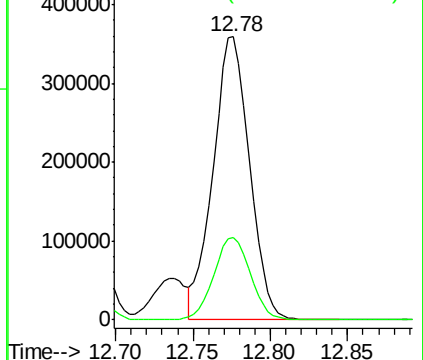
91 100

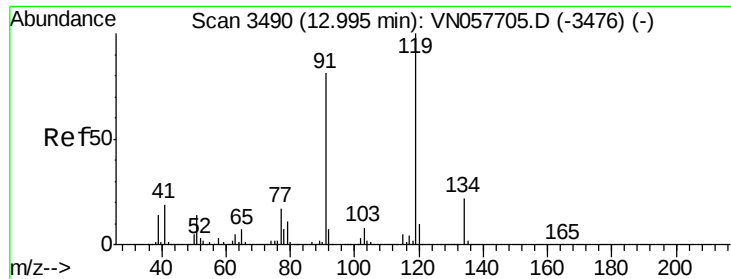
126 29.3 14.4 43.4



Abundance Ion 91.00 (90.70 to 91.70): VN057710.D (-3328) (-)

Ion 125.90 (125.60 to 126.60): VN057710.D (-3328) (-)





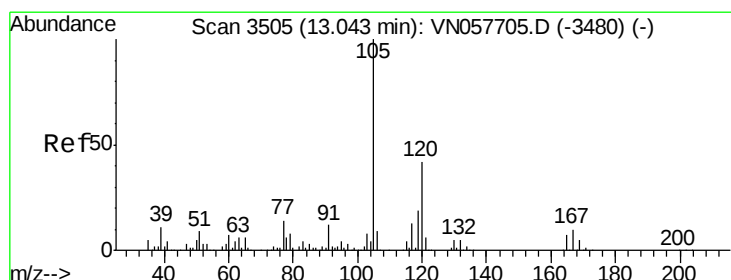
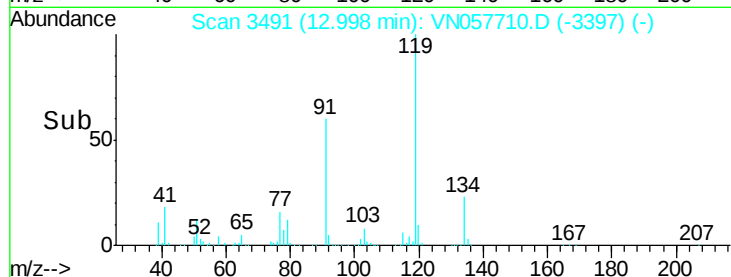
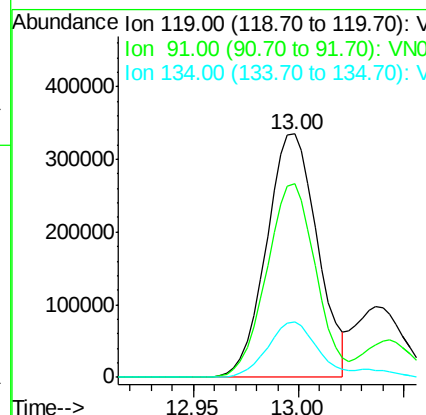
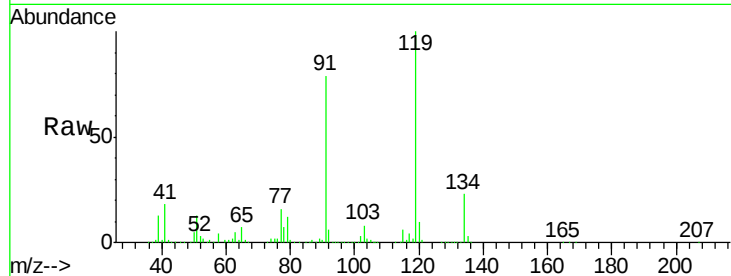
#83
 tert-Butylbenzene
 Concen: 52.594 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN057710.D
 Acq: 6 Sep 2019 14:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	77.0	39.6	118.8
134	22.2	11.3	33.8

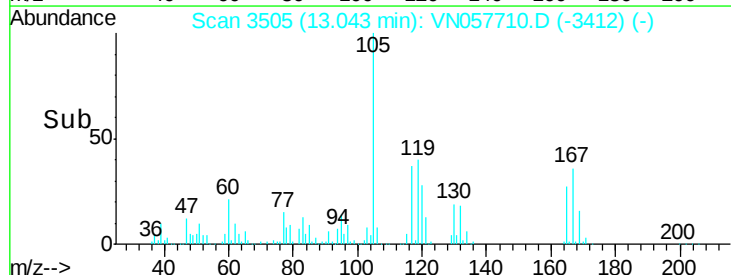
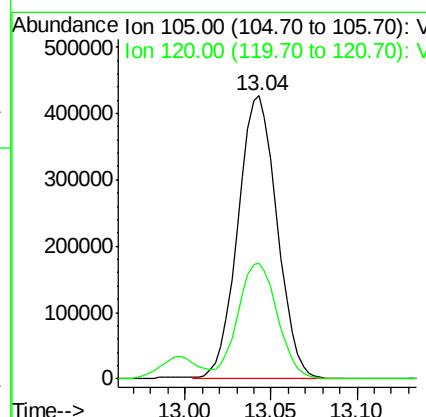
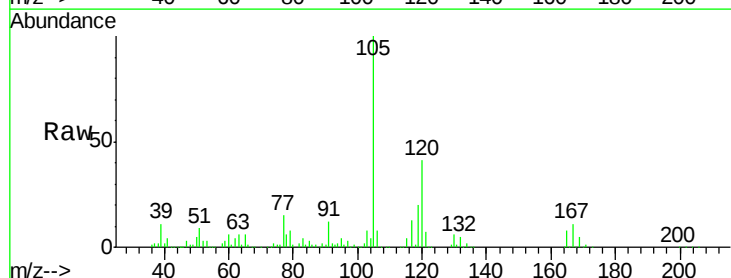
Manual Integrations
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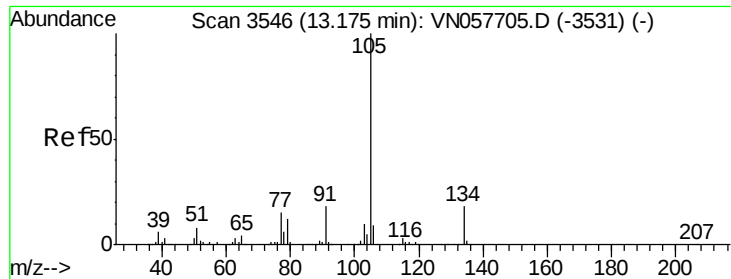
MMDadoda
 9/9/2019 1:10:50 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 53.728 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057710.D
 Acq: 6 Sep 2019 14:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	41.7	20.8	62.5





#85

sec-Butylbenzene

Concen: 53.152 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057710.D

Acq: 6 Sep 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 782601

Ion Ratio Lower Upper

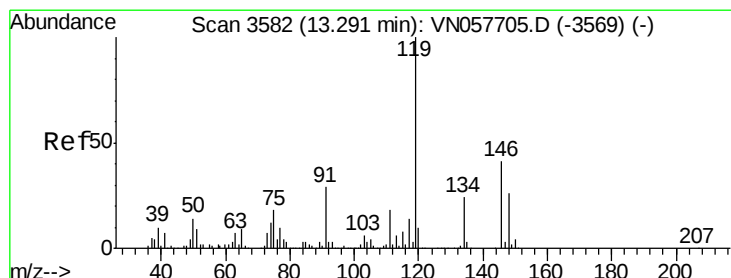
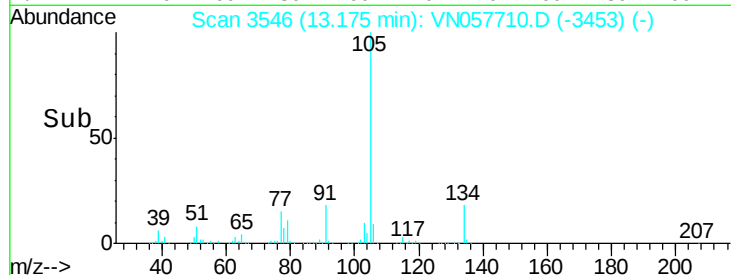
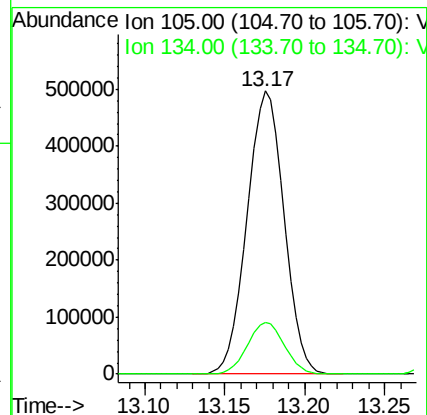
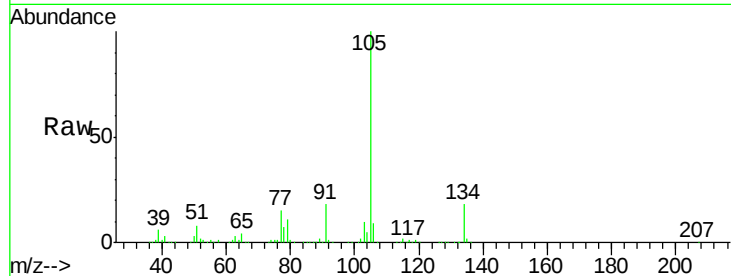
105 100

134 18.3 8.8 26.5

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 55.332 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN057710.D

Acq: 6 Sep 2019 14:23

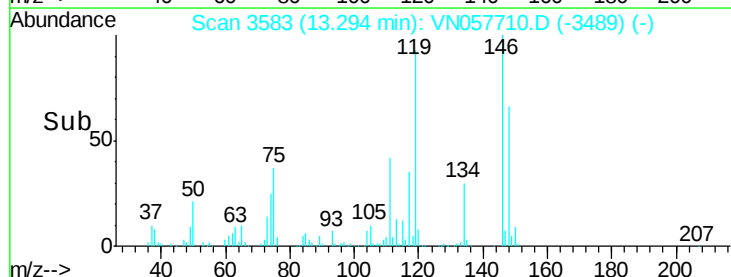
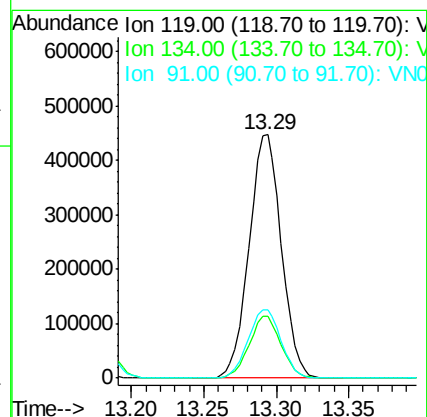
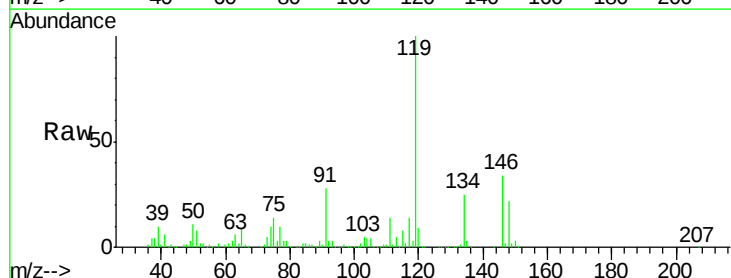
Tgt Ion:119 Resp: 690450

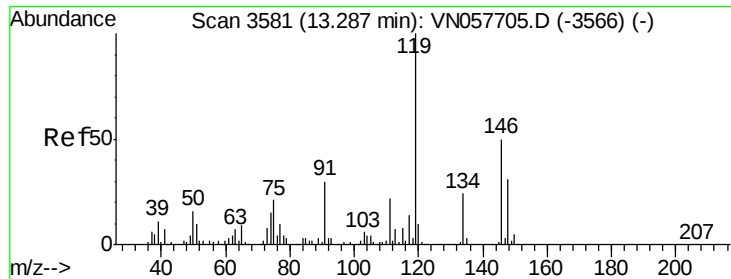
Ion Ratio Lower Upper

119 100

134 25.2 12.4 37.0

91 28.6 14.8 44.3





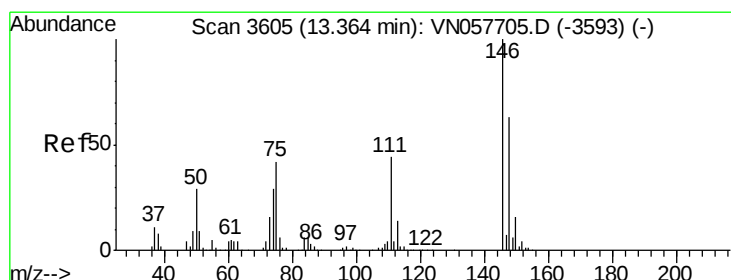
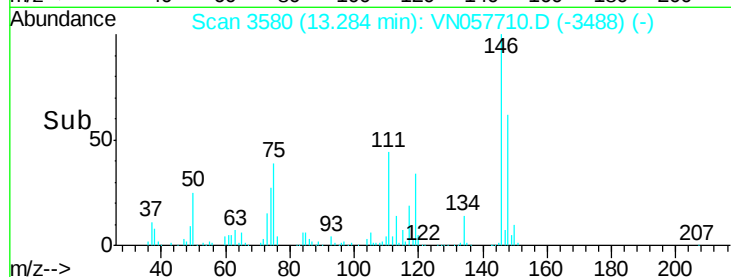
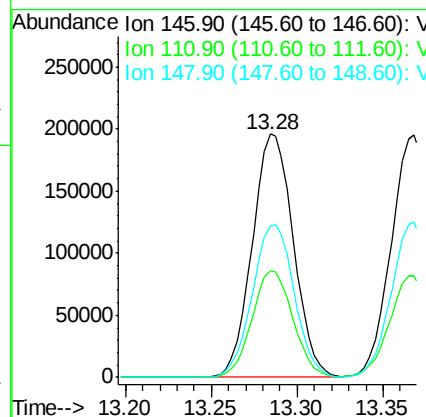
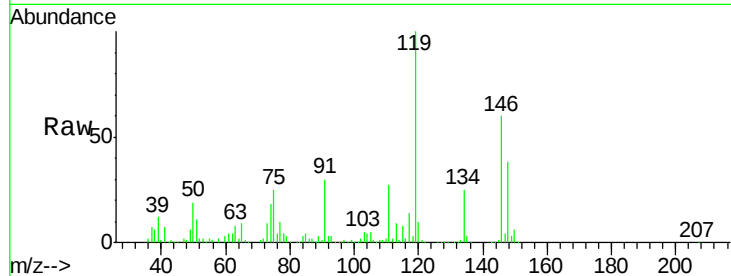
#87
 1,3-Dichlorobenzene
 Concen: 53.566 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN057710.D
 Acq: 6 Sep 2019 14:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	43.6	22.3	66.8	
148	63.8	31.5	94.5	

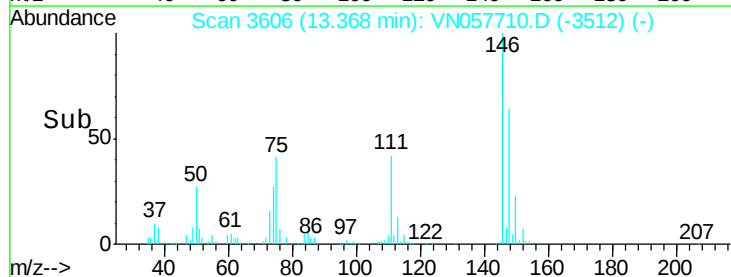
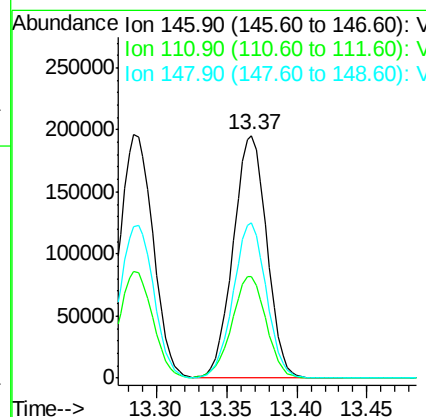
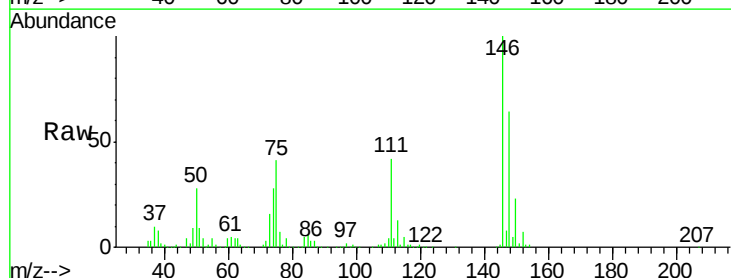
Manual Integrations
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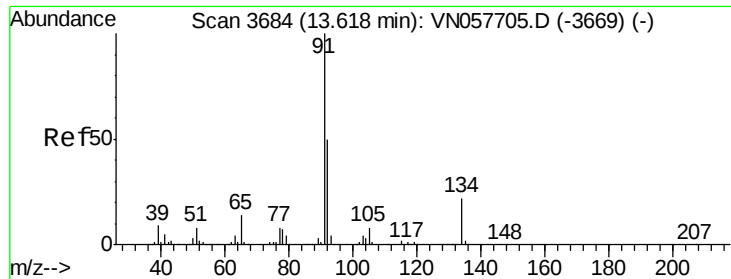
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 9/9/2019 1:10:50 PM



#88
 1,4-Dichlorobenzene
 Concen: 53.703 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057710.D
 Acq: 6 Sep 2019 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	42.9	22.3	66.9	
148	63.0	31.9	95.7	





#89
n-Butylbenzene
Concen: 55.912 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057710.D
Acq: 6 Sep 2019 14:23

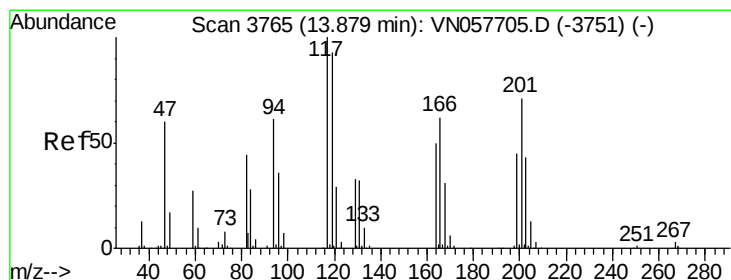
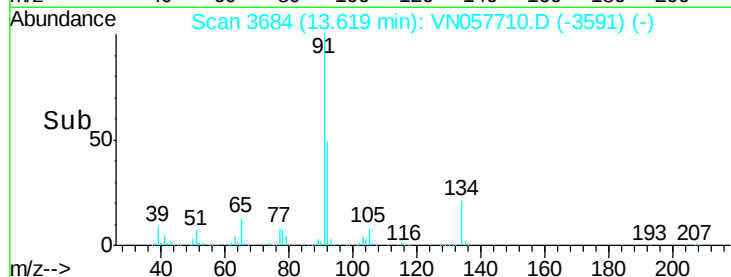
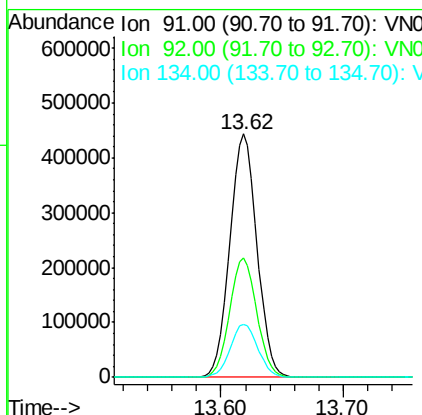
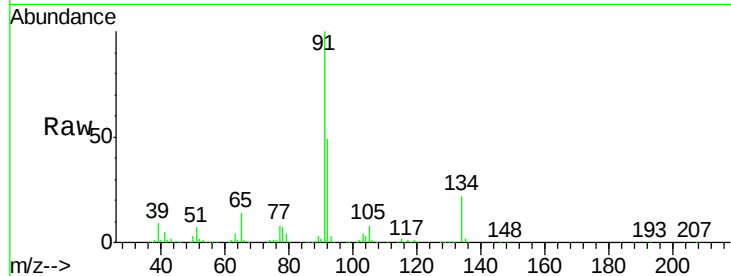
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	49.1	25.6	76.8
134	22.2	11.2	33.5

Manual Integrations
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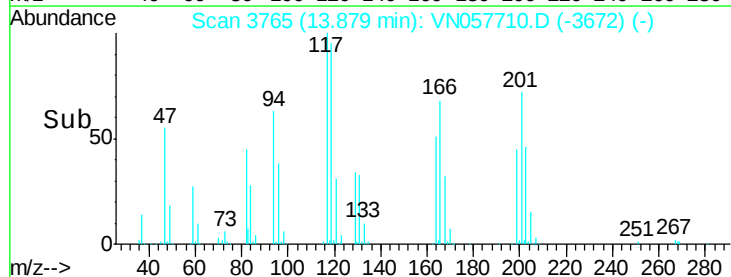
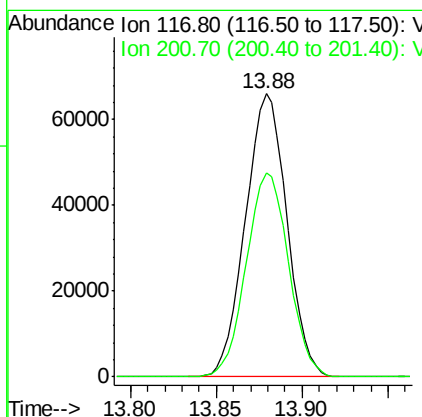
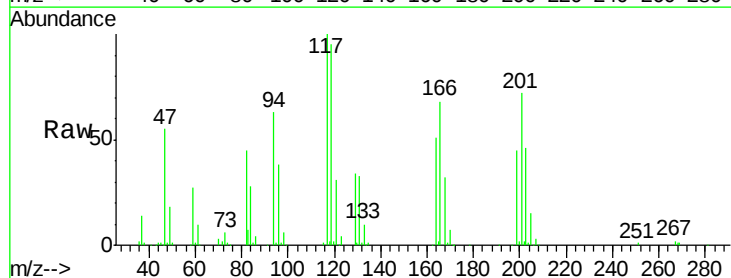
MMDadoda

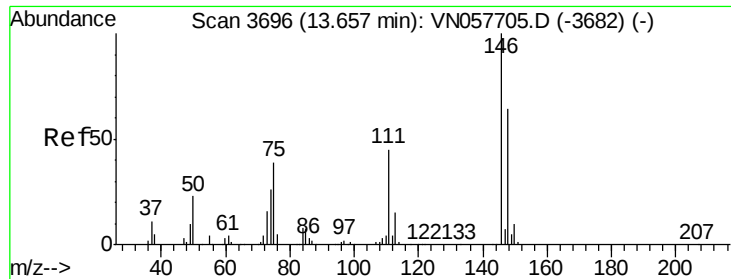
9/9/2019 1:10:50 PM



#90
Hexachloroethane
Concen: 56.568 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057710.D
Acq: 6 Sep 2019 14:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.4	36.4	109.2





#91
 1,2-Dichlorobenzene
 Concen: 53.535 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057710.D
 Acq: 6 Sep 2019 14:23

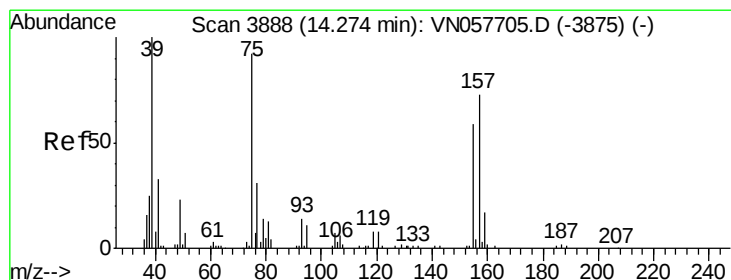
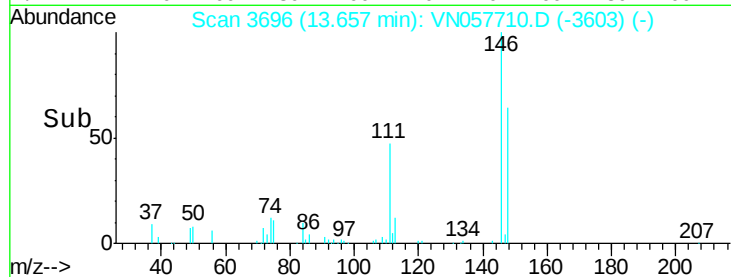
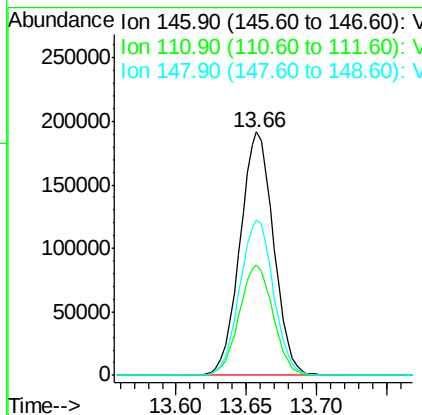
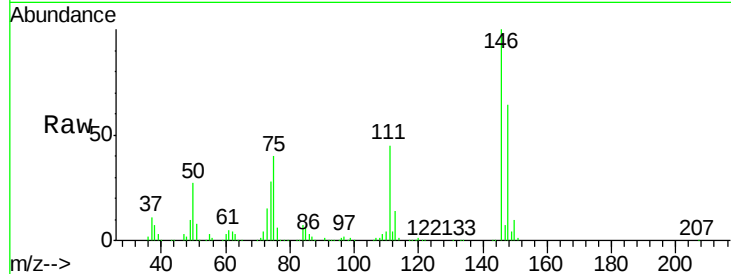
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.8	22.8	68.3
148	64.3	31.6	95.0

Manual Integrations
 APPROVED

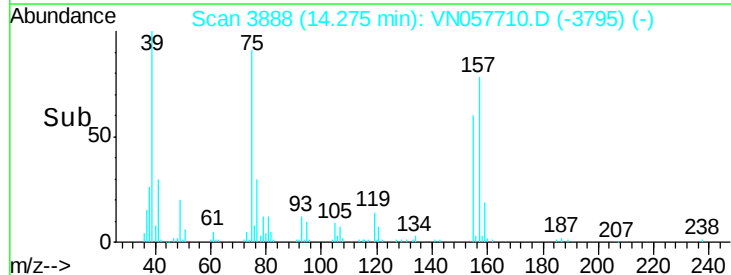
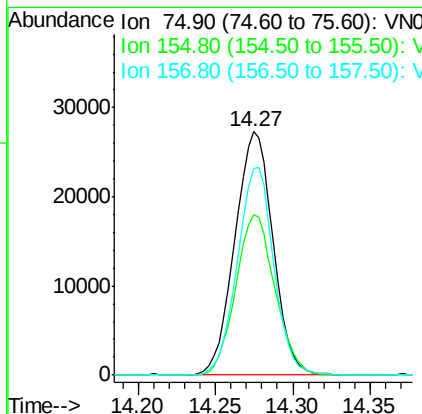
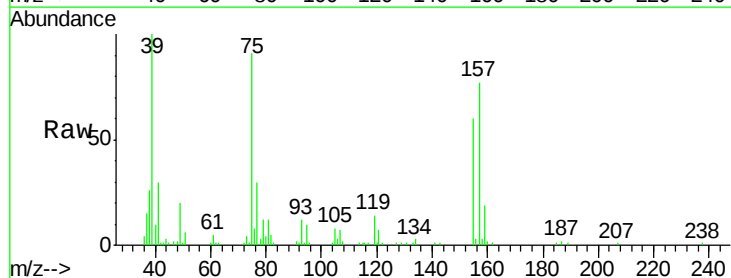
MMDadoda

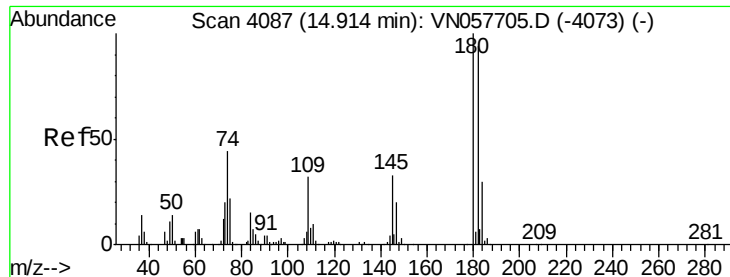
9/9/2019 1:10:50 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.060 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057710.D
 Acq: 6 Sep 2019 14:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	67.4	30.1	90.5
157	81.7	38.1	114.5





#93
 1,2,4-Trichlorobenzene
 Concen: 57.092 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057710.D
 Acq: 6 Sep 2019 14:23

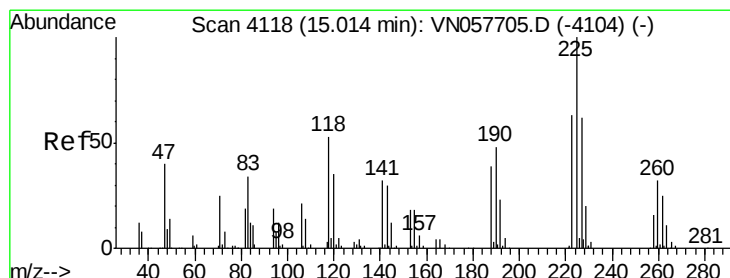
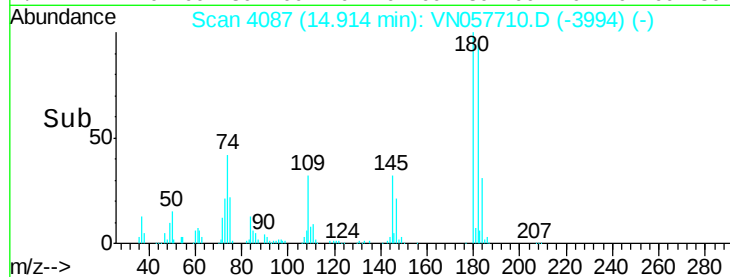
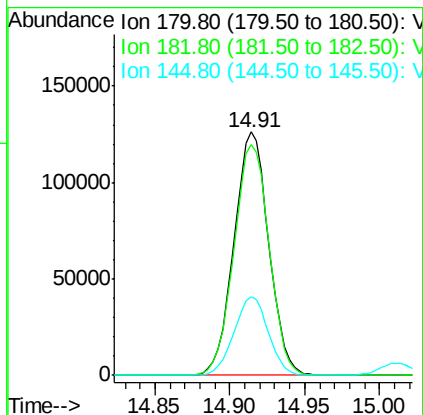
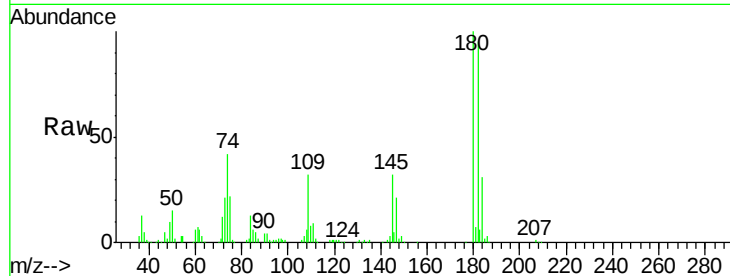
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	203820
Ion Ratio	Lower	Upper	
180	100		
182	96.4	47.6	142.9
145	31.9	16.6	49.7

Manual Integrations
 APPROVED

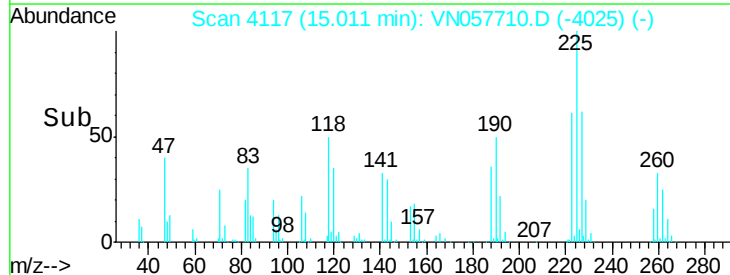
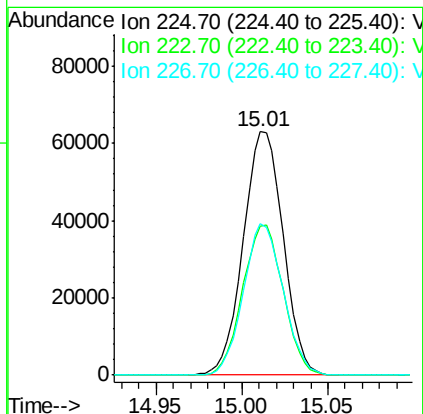
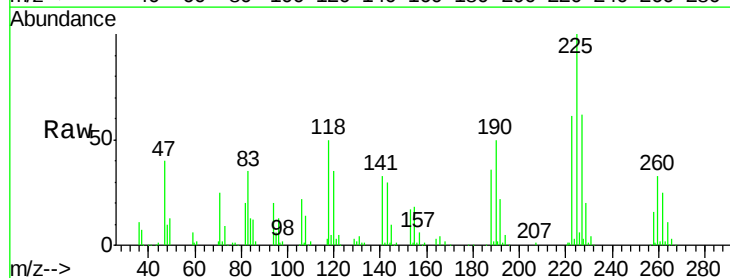
MMDadoda

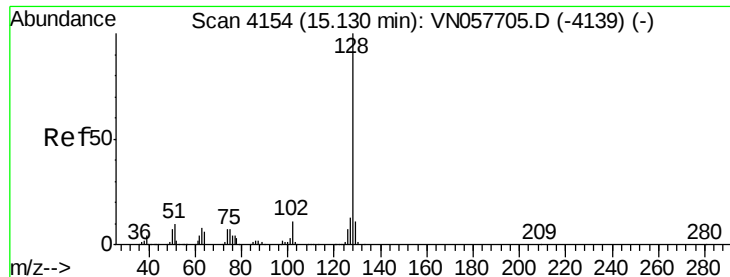
9/9/2019 1:10:50 PM



#94
 Hexachlorobutadiene
 Concen: 58.445 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN057710.D
 Acq: 6 Sep 2019 14:23

Tgt Ion:	225	Resp:	101700
Ion Ratio	Lower	Upper	
225	100		
223	62.2	31.6	95.0
227	61.9	31.7	95.1





#95

Naphthalene

Concen: 54.303 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057710.D

Acq: 6 Sep 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

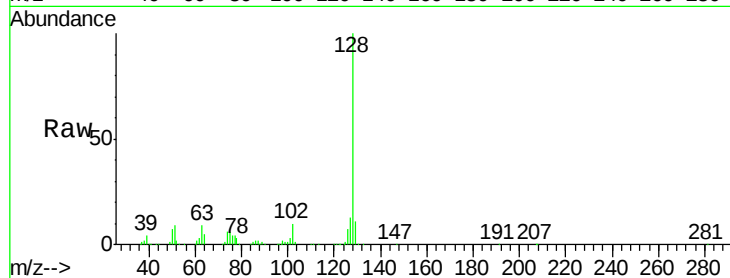
VSTDCCC050

Tot Ion:	128	Resp:	562416
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.7	8.4	12.6

Manual Integrations
APPROVED

MMDadoda

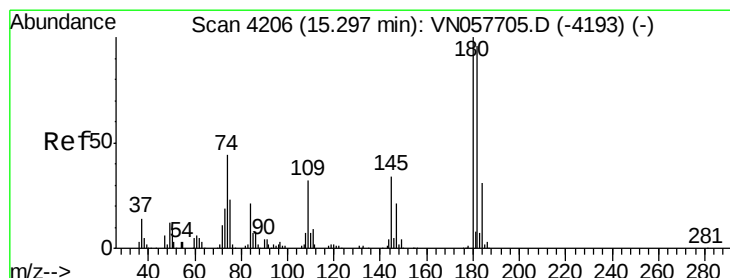
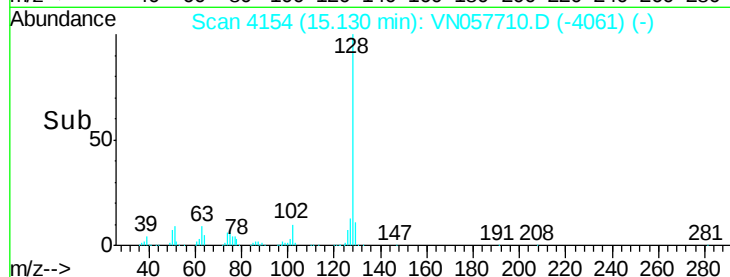
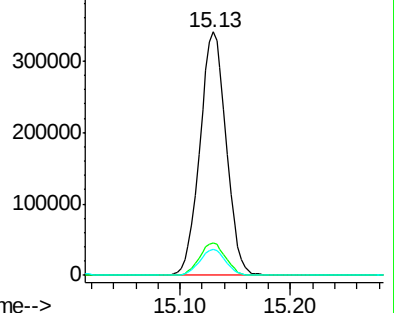
9/9/2019 1:10:50 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 56.526 ug/l

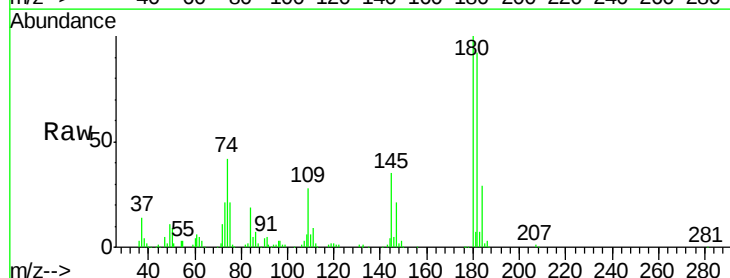
RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN057710.D

Acq: 6 Sep 2019 14:23

Tgt Ion:	180	Resp:	193430
Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.0	141.2
145	34.2	17.5	52.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

