

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090619\
 Data File : VN057739.D
 Acq On : 7 Sep 2019 1:12
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 9:57:16 AM

Quant Time: Sep 07 03:49:43 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	194996	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	317363	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	286761	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	167930	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	235006	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
35) Dibromofluoromethane	7.57	113	145029	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
50) Toluene-d8	10.08	98	544191	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
62) 4-Bromofluorobenzene	12.40	95	215247	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	143223	46.251	ug/l	97
3) Chloromethane	2.03	50	145729	39.872	ug/l	97
4) Vinyl Chloride	2.16	62	122079	45.522	ug/l	99
5) Bromomethane	2.54	94	66948	54.357	ug/l	98
6) Chloroethane	2.68	64	72615	45.866	ug/l	97
7) Trichlorofluoromethane	3.00	101	191014	44.383	ug/l	99
8) Diethyl Ether	3.39	74	84701	49.254	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	127699	47.543	ug/l	98
10) Methyl Iodide	3.93	142	151408	56.894	ug/l	99
11) Tert butyl alcohol	4.76	59	129046	239.432	ug/l #	87
12) 1,1-Dichloroethene	3.71	96	114582	47.414	ug/l	99
13) Acrolein	3.58	56	59068	230.447	ug/l	97
14) Allyl chloride	4.30	41	250212	45.308	ug/l	99
15) Acrylonitrile	4.96	53	358713	258.875	ug/l	98
16) Acetone	3.80	43	345902	236.951	ug/l	100
17) Carbon Disulfide	4.03	76	249483	45.565	ug/l	97
18) Methyl Acetate	4.30	43	185531	46.736	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	482923	47.599	ug/l	98
20) Methylene Chloride	4.53	84	144241	45.698	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	121210	47.665	ug/l	95
22) Diisopropyl ether	5.93	45	563710	48.253	ug/l	99
23) Vinyl Acetate	5.87	43	2359394	249.521	ug/l	100
24) 1,1-Dichloroethane	5.82	63	286545	47.837	ug/l	99
25) 2-Butanone	6.82	43	522797	250.077	ug/l	99
26) 2,2-Dichloropropane	6.80	77	190935	38.209	ug/l	80
27) cis-1,2-Dichloroethene	6.81	96	156388	48.995	ug/l	92
28) Bromochloromethane	7.18	49	157719	50.323	ug/l	99
29) Tetrahydrofuran	7.19	42	337339	250.217	ug/l	99
30) Chloroform	7.36	83	295917	47.410	ug/l	97
31) Cyclohexane	7.64	56	236027	44.330	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	250830	48.246	ug/l	99
36) 1,1-Dichloropropene	7.78	75	202260	47.906	ug/l	99
37) Ethyl Acetate	6.91	43	220190	52.532	ug/l	99
38) Carbon Tetrachloride	7.76	117	201234	49.778	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	212020	47.477	ug/l	98
40) Benzene	8.03	78	588376	49.270	ug/l	99
41) Methacrylonitrile	7.15	41	97816	47.741	ug/l	95
42) 1,2-Dichloroethane	8.11	62	269030	48.062	ug/l	98
43) Isopropyl Acetate	8.15	43	397957	49.464	ug/l	100
44) Trichloroethene	8.82	130	136708	50.935	ug/l	96
45) 1,2-Dichloropropane	9.11	63	167182	50.056	ug/l	99
46) Dibromomethane	9.20	93	109420	51.073	ug/l	98
47) Bromodichloromethane	9.40	83	227416	49.948	ug/l	97
48) Methyl methacrylate	9.19	41	204214	49.355	ug/l	98
49) 1,4-Dioxane	9.19	88	52544	1091.416	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1191635	266.701	ug/l	100
52) Toluene	10.15	92	363497	50.221	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	221841	48.566	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	241407	48.916	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	145381	49.911	ug/l	97
56) Ethyl methacrylate	10.43	69	241505	51.946	ug/l	98
57) 1,3-Dichloropropane	10.71	76	261650	50.007	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	617885	261.959	ug/l	100
59) 2-Hexanone	10.75	43	845920	268.487	ug/l	99
60) Dibromochloromethane	10.90	129	149636	47.729	ug/l	100
61) 1,2-Dibromoethane	11.00	107	143897	51.459	ug/l	99
64) Tetrachloroethene	10.63	164	119151	53.295	ug/l	95
65) Chlorobenzene	11.43	112	373938	49.989	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	140036	53.801	ug/l	98
67) Ethyl Benzene	11.51	91	742015	51.412	ug/l	100
68) m/p-Xylenes	11.62	106	511444	102.885	ug/l	100
69) o-Xylene	11.95	106	251066	51.006	ug/l	97
70) Styrene	11.96	104	445221	52.274	ug/l	99
71) Bromoform	12.13	173	92217	47.581	ug/l #	98
73) Isopropylbenzene	12.25	105	723220	48.713	ug/l	99
74) N-amyl acetate	12.07	43	363029	48.949	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	222707	50.025	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	183547m	47.597	ug/l	
77) Bromobenzene	12.53	156	165334	51.260	ug/l	94
78) n-propylbenzene	12.59	91	860946	48.810	ug/l	99
79) 2-Chlorotoluene	12.68	91	519732	48.401	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	617074	48.928	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	54313	43.802	ug/l	99
82) 4-Chlorotoluene	12.78	91	540408	48.865	ug/l	99
83) tert-Butylbenzene	13.00	119	524057	49.290	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	616258	49.329	ug/l	100
85) sec-Butylbenzene	13.17	105	709614	48.446	ug/l	98
86) p-Isopropyltoluene	13.29	119	622059	50.111	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	298245	49.462	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	293938	48.730	ug/l	98
89) n-Butylbenzene	13.62	91	585522	47.694	ug/l	99
90) Hexachloroethane	13.88	117	99356	51.081	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	297167	50.057	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	46118	52.583	ug/l	96

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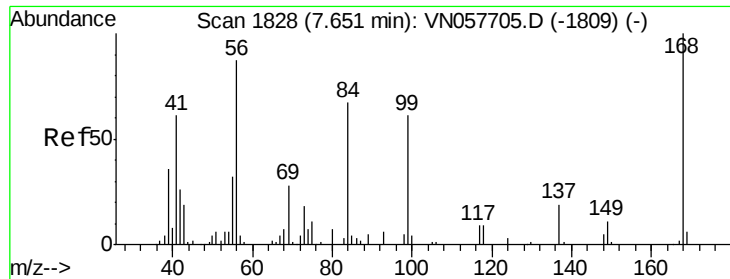
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	186800	52.597	ug/l	99
94) Hexachlorobutadiene	15.01	225	91223	52.697	ug/l	97
95) Naphthalene	15.13	128	537070	52.126	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	178248	52.360	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057739.D

Acq: 7 Sep 2019 1:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 194996

Ion Ratio Lower Upper

168 100

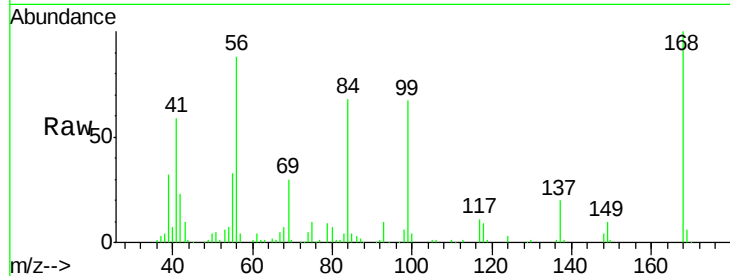
99 66.8 57.4 86.0

Manual Integrations

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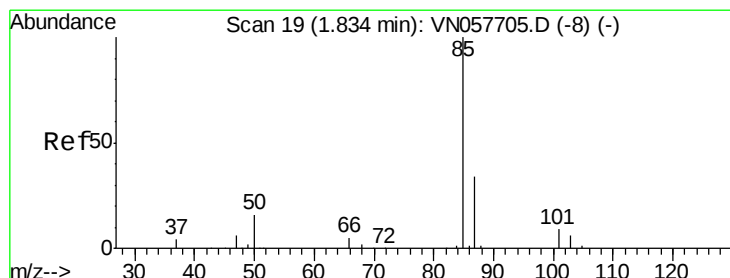
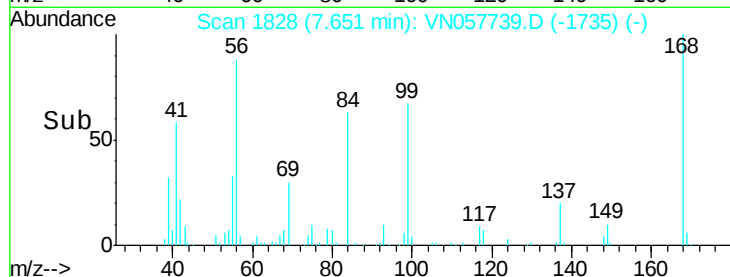
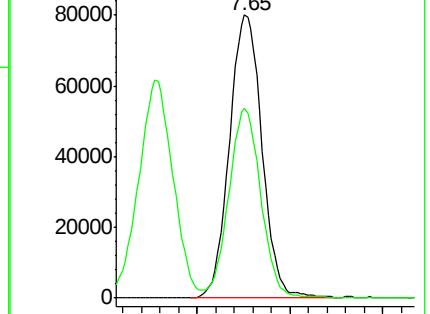
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 46.251 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057739.D

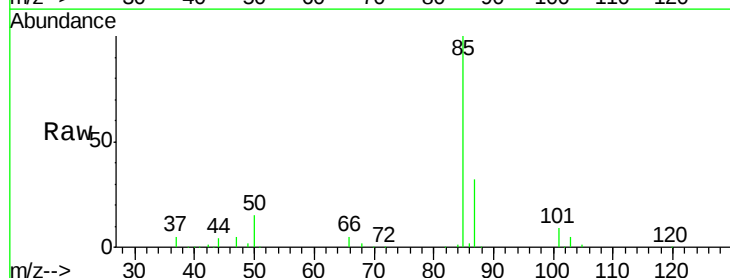
Acq: 7 Sep 2019 1:12

Tgt Ion: 85 Resp: 143223

Ion Ratio Lower Upper

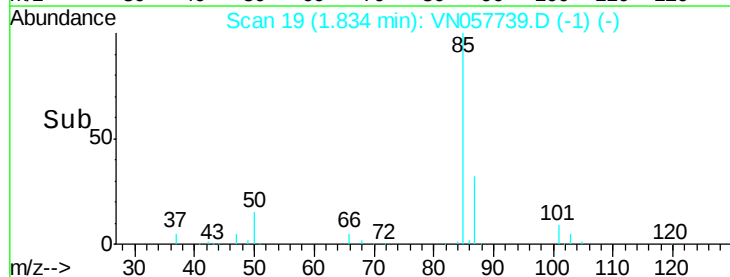
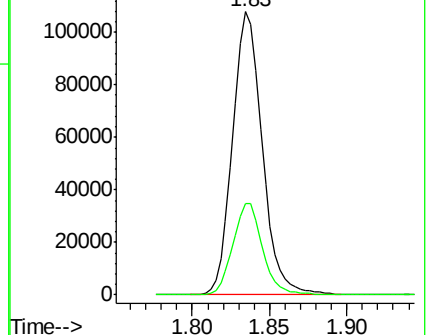
85 100

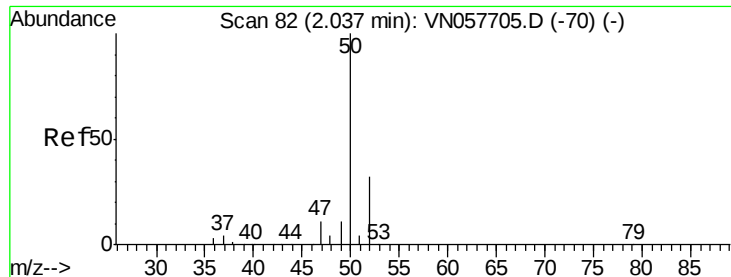
87 32.5 17.0 51.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 39.872 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN057739.D

Acq: 7 Sep 2019 1:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 145729

Ion Ratio Lower Upper

50 100

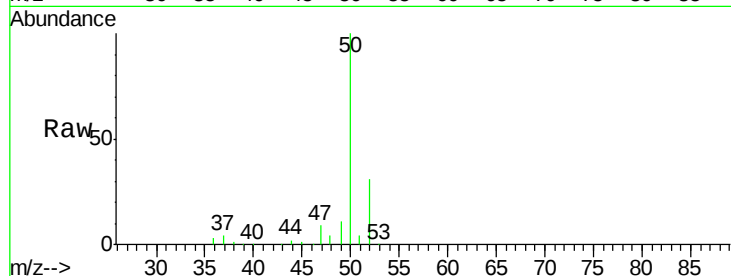
52 30.9 26.0 39.0

Manual Integrations

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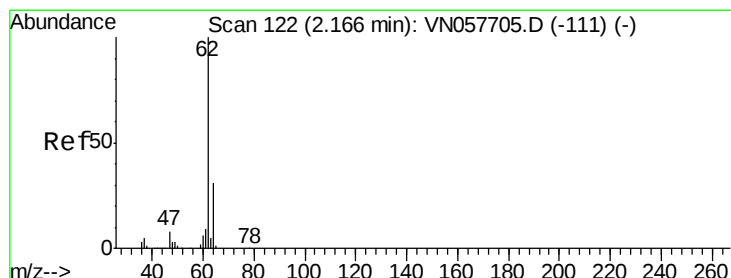
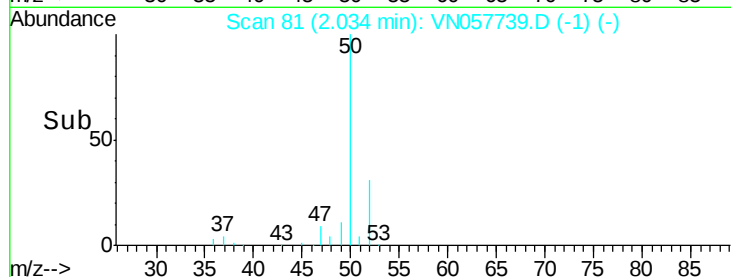
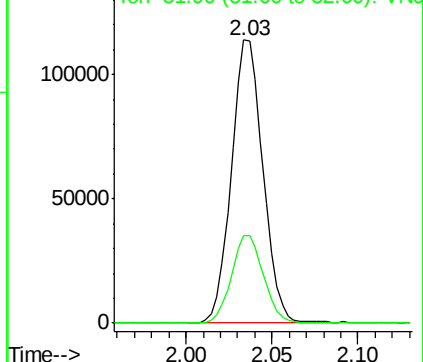
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 45.522 ug/l

RT: 2.16 min Scan# 121

Delta R.T. -0.00 min

Lab File: VN057739.D

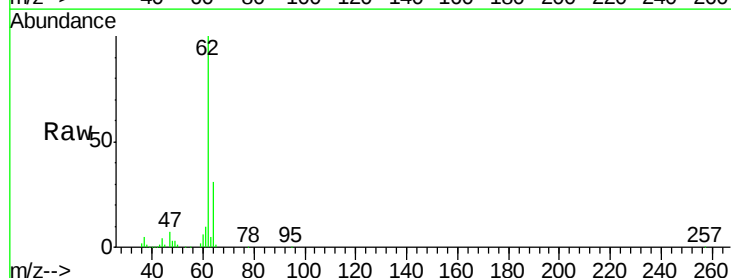
Acq: 7 Sep 2019 1:12

Tgt Ion: 62 Resp: 122079

Ion Ratio Lower Upper

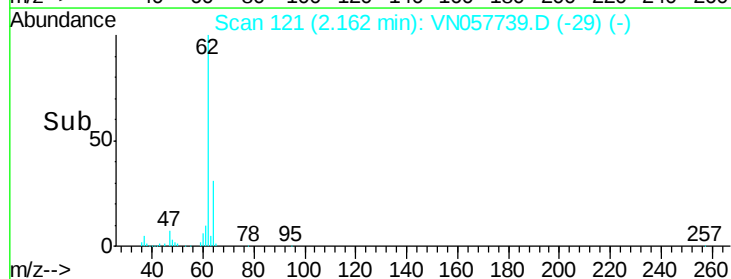
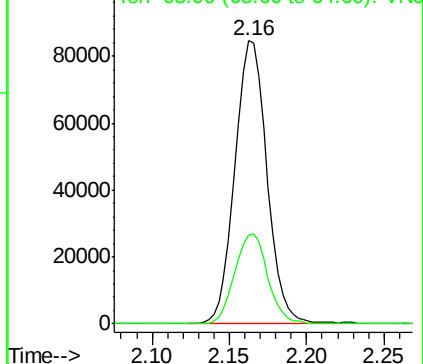
62 100

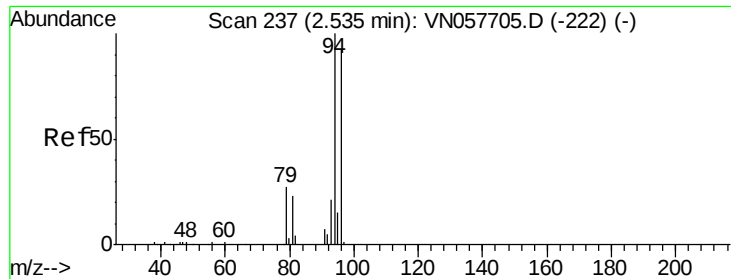
64 31.4 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 54.357 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN057739.D

Acq: 7 Sep 2019 1:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 66948

Ion Ratio Lower Upper

94 100

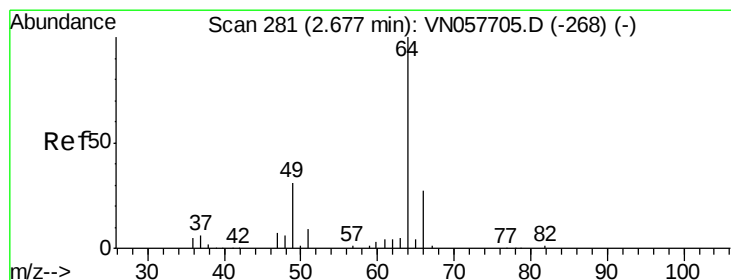
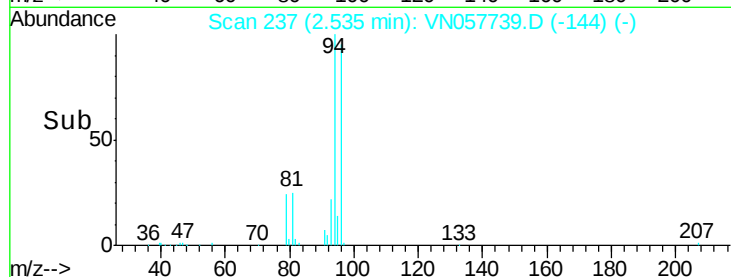
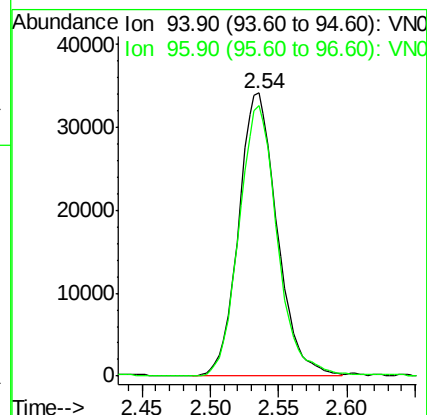
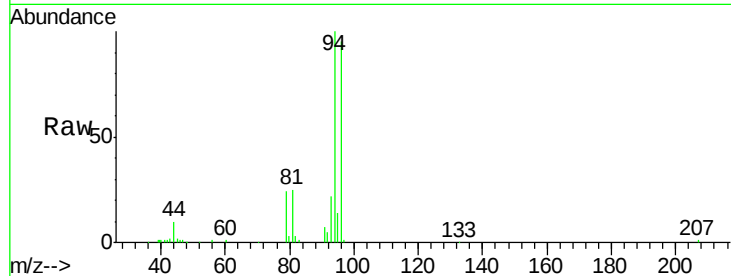
96 95.4 74.8 112.2

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#6

Chloroethane

Concen: 45.866 ug/l

RT: 2.68 min Scan# 281

Delta R.T. 0.00 min

Lab File: VN057739.D

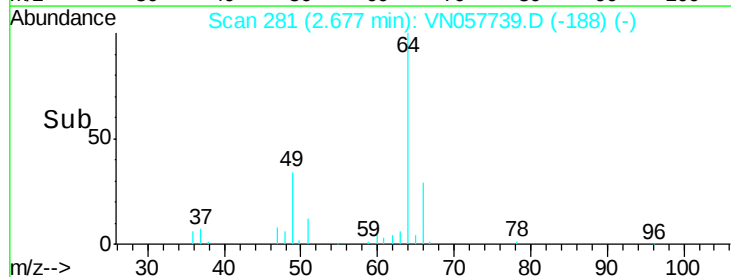
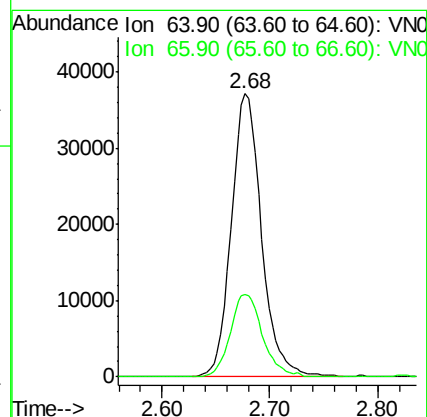
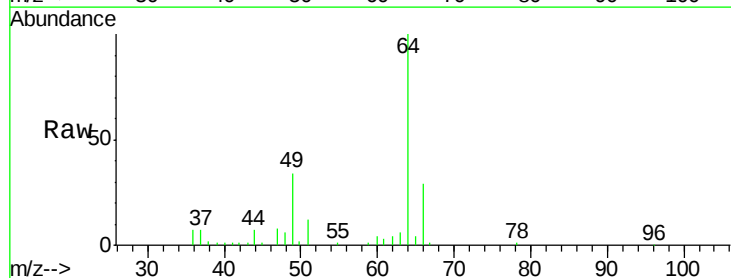
Acq: 7 Sep 2019 1:12

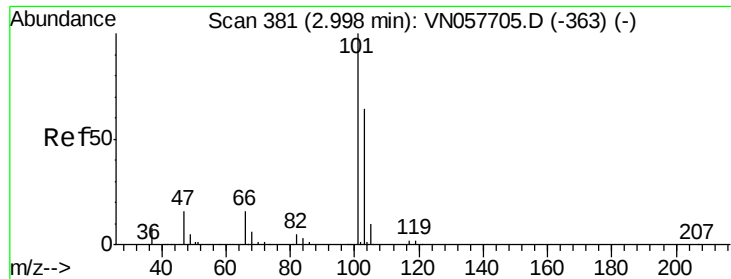
Tgt Ion: 64 Resp: 72615

Ion Ratio Lower Upper

64 100

66 29.1 22.0 33.0





#7

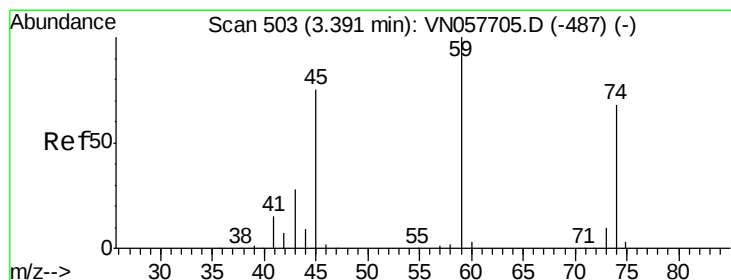
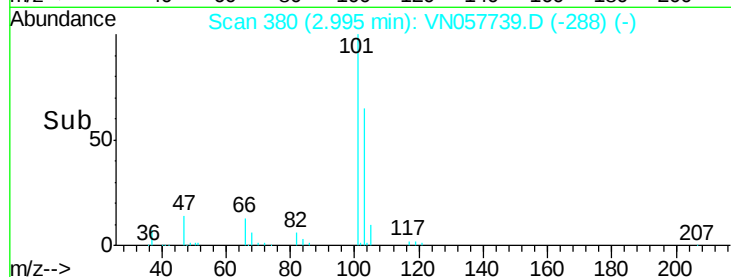
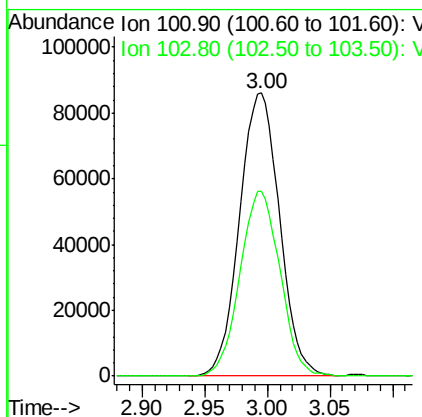
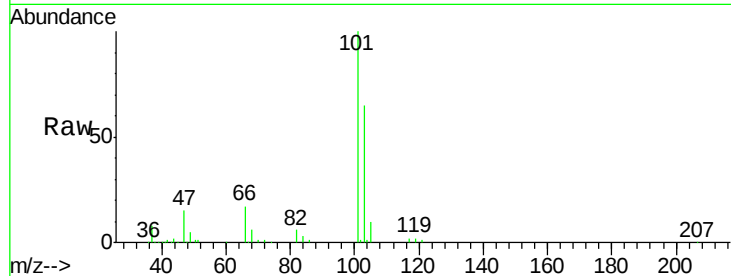
Trichlorofluoromethane
Concen: 44.383 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN057739.D
Acq: 7 Sep 2019 1:12

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		191014		
103	65.4	51.4	77.0		

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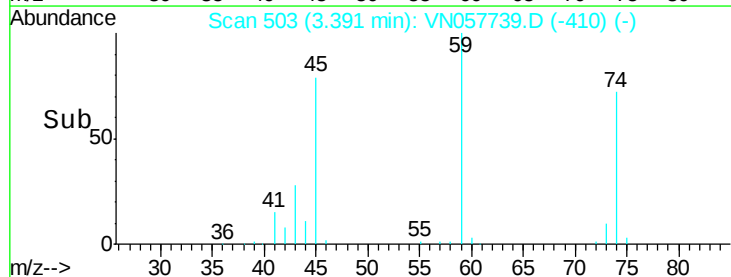
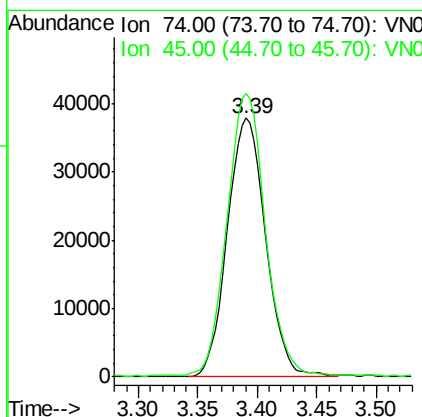
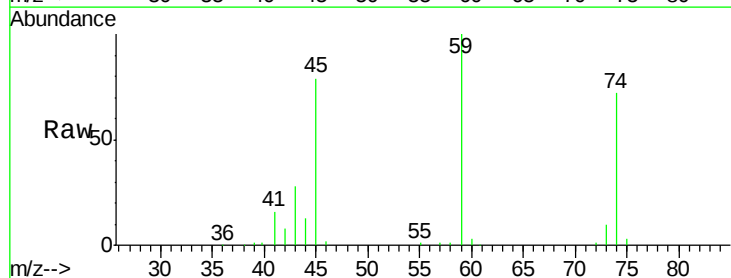
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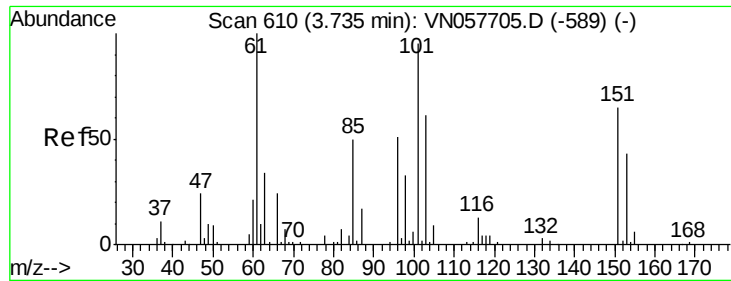


#8

Diethyl Ether
Concen: 49.254 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN057739.D
Acq: 7 Sep 2019 1:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		84701		
45	108.4	55.4	166.0		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.543 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN057739.D

Acq: 7 Sep 2019 1:12

Instrument :

MSVOA_N

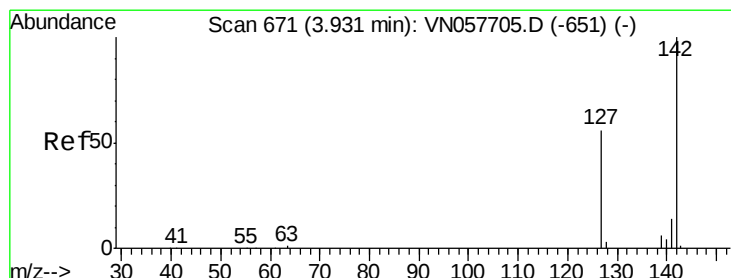
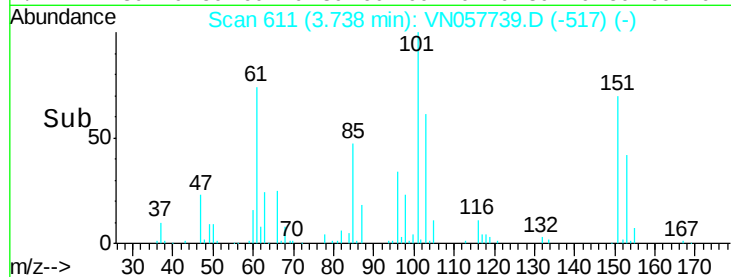
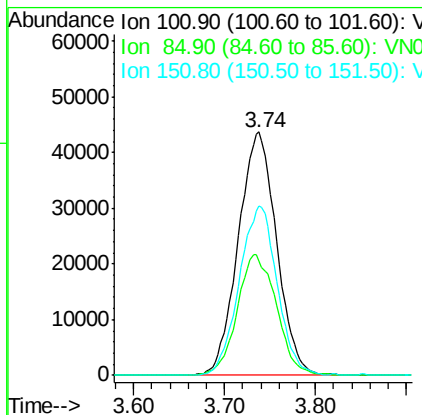
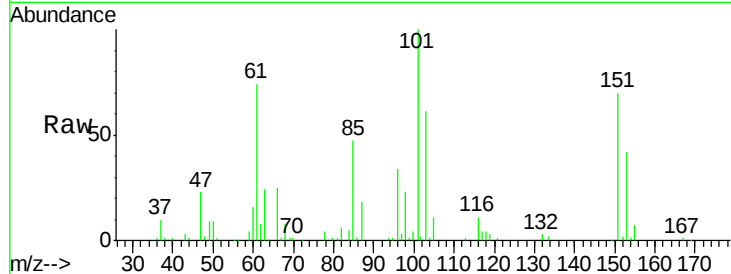
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	127699
Ion Ratio	Lower	Upper	
101	100		
85	50.7	42.8	64.2
151	68.9	55.5	83.3

Manual Integrations
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#10

Methyl Iodide

Concen: 56.894 ug/l

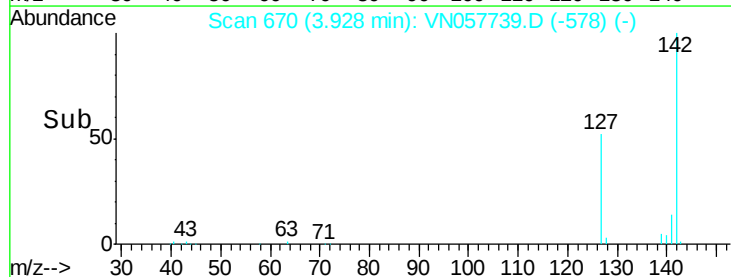
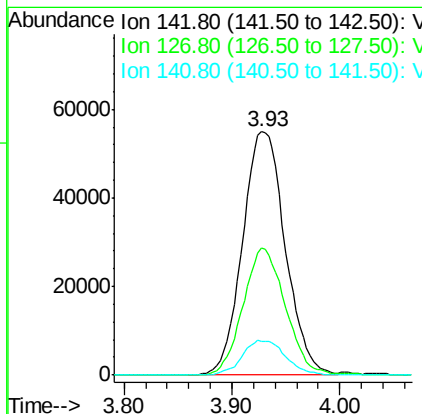
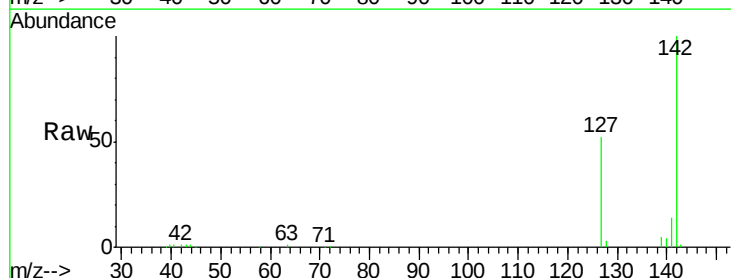
RT: 3.93 min Scan# 670

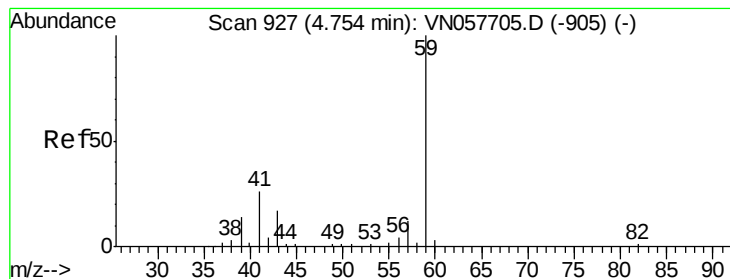
Delta R.T. -0.00 min

Lab File: VN057739.D

Acq: 7 Sep 2019 1:12

Tgt Ion:	142	Resp:	151408
Ion Ratio	Lower	Upper	
142	100		
127	51.6	42.1	63.1
141	14.4	11.0	16.4





#11

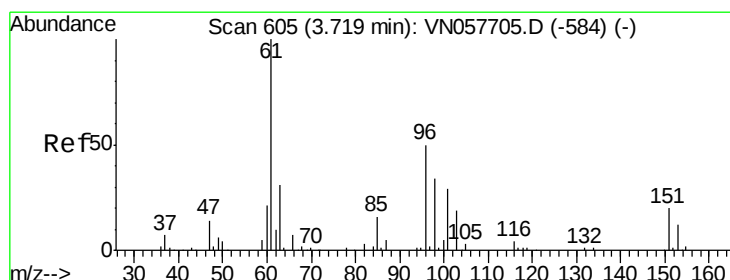
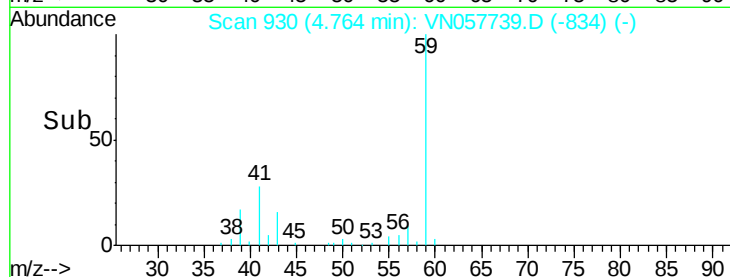
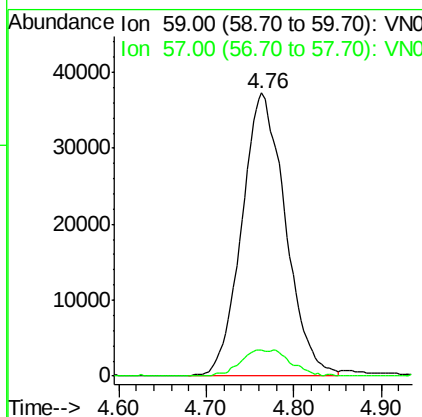
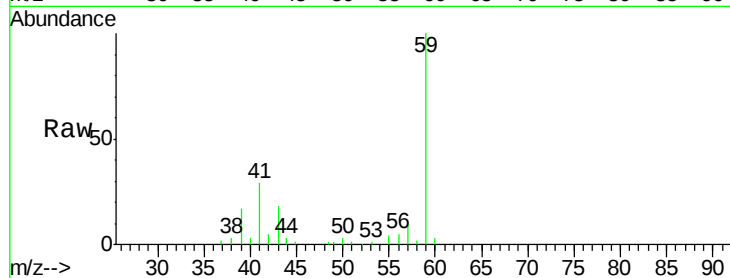
Tert butyl alcohol
 Concen: 239.432 ug/l
 RT: 4.76 min Scan# 930
 Delta R.T. 0.01 min
 Lab File: VN057739.D
 Acq: 7 Sep 2019 1:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	129046		
57	6.2	8.9	13.3#	

Manual Integrations
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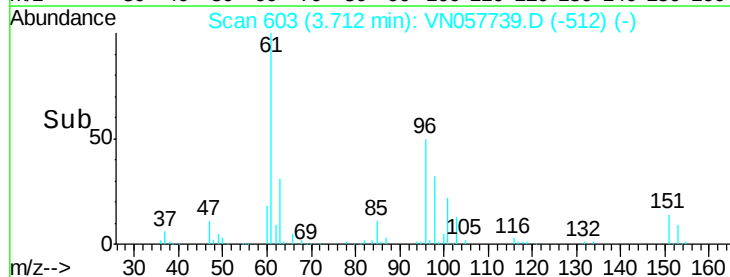
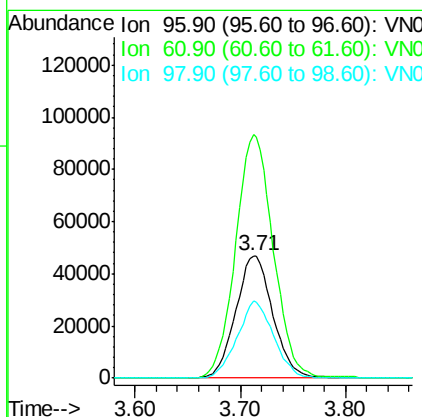
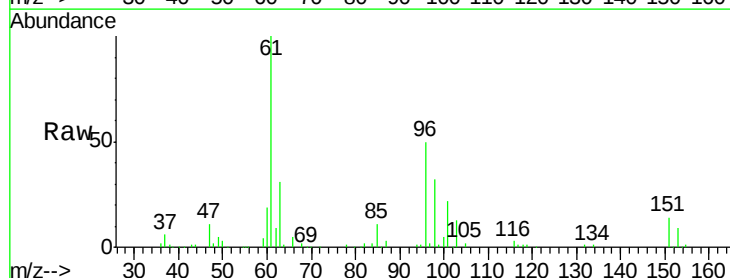
MMDadoda
 9/10/2019 9:57:16 AM

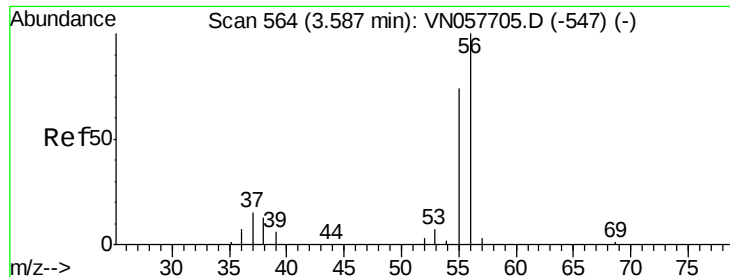


#12

1,1-Dichloroethene
 Concen: 47.414 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: VN057739.D
 Acq: 7 Sep 2019 1:12

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	114582		
61	198.7	158.7	238.1	
98	63.1	53.8	80.8	





#13

Acrolein

Concen: 230.447 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057739.D

Acq: 7 Sep 2019 1:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 59068

Ion Ratio Lower Upper

56 100

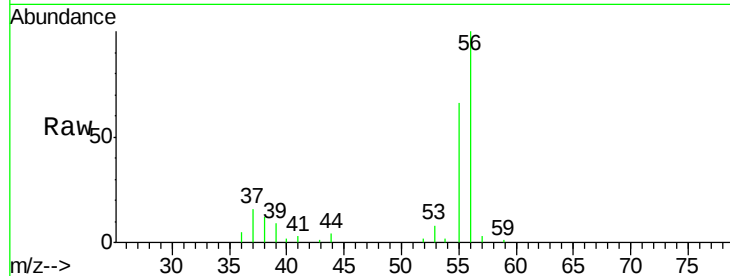
55 71.4 55.4 83.0

Manual Integrations

APPROVED

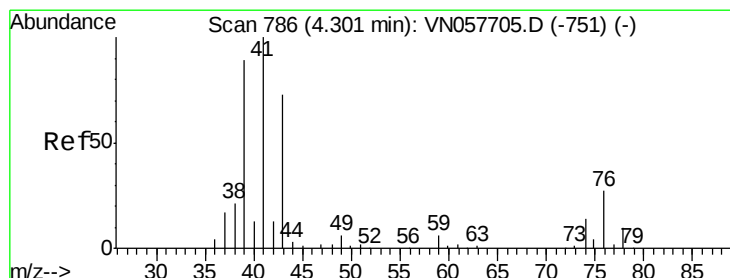
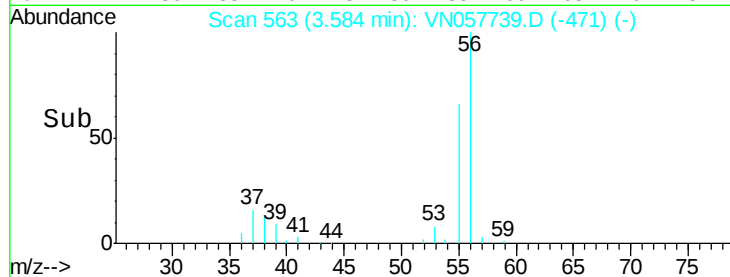
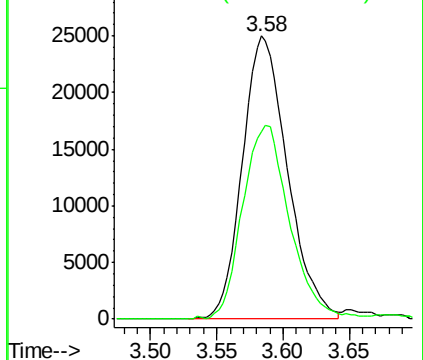
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 45.308 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN057739.D

Acq: 7 Sep 2019 1:12

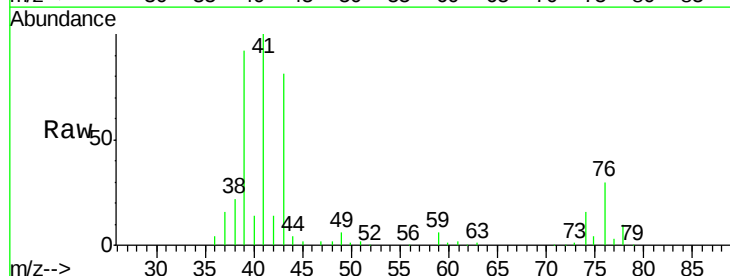
Tgt Ion: 41 Resp: 250212

Ion Ratio Lower Upper

41 100

39 83.7 67.5 101.3

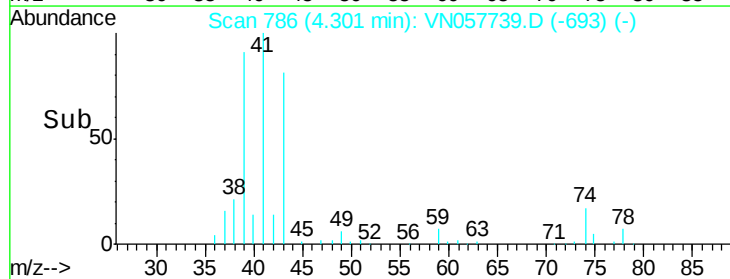
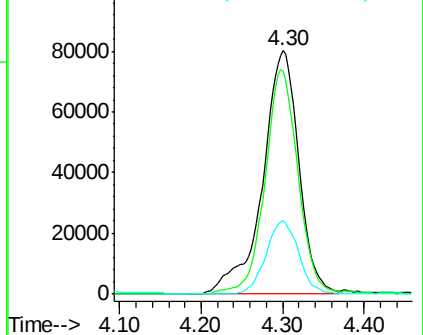
76 27.2 21.4 32.2

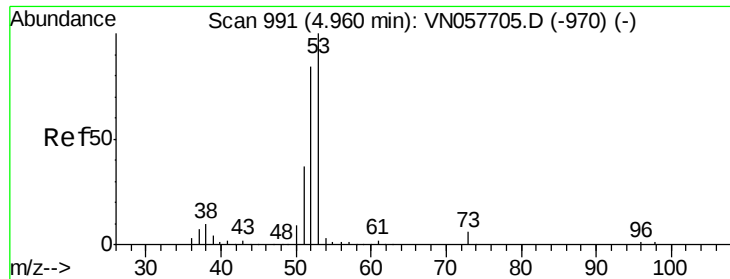


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 258.875 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN057739.D

Acq: 7 Sep 2019 1:12

Instrument :

MSVOA_N

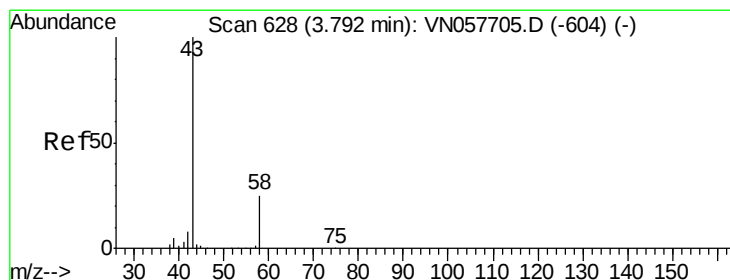
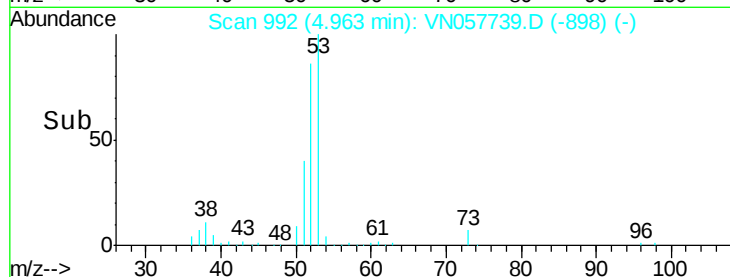
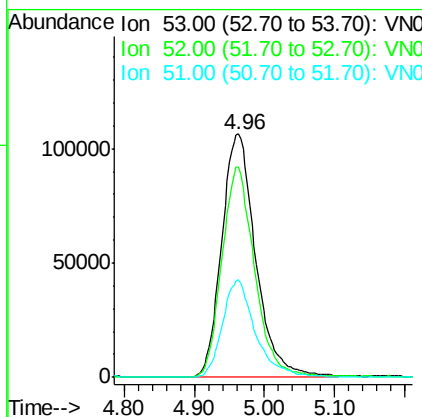
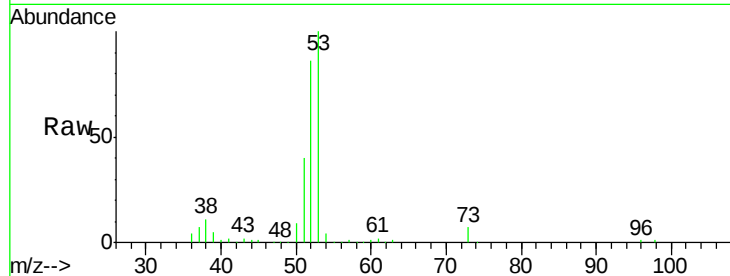
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	358713
Ion Ratio	Lower	Upper	
53	100		
52	82.9	68.1	102.1
51	38.9	30.4	45.6

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#16

Acetone

Concen: 236.951 ug/l

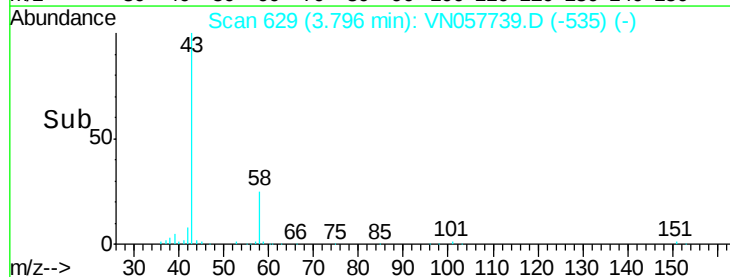
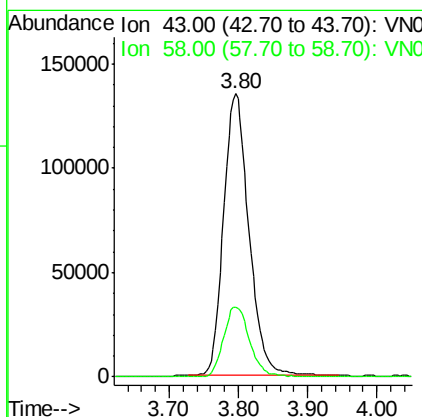
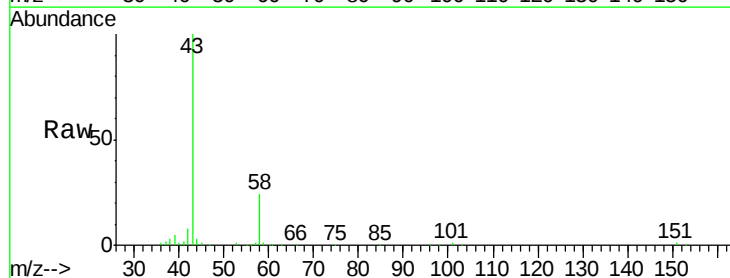
RT: 3.80 min Scan# 629

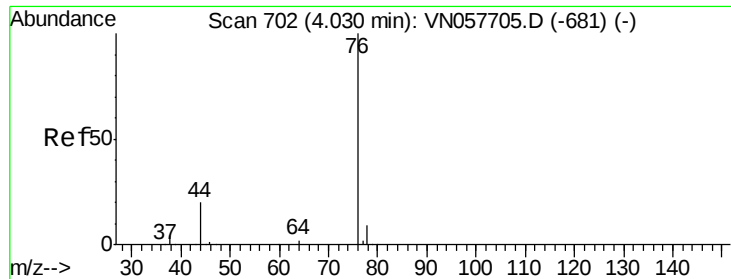
Delta R.T. 0.00 min

Lab File: VN057739.D

Acq: 7 Sep 2019 1:12

Tgt Ion:	43	Resp:	345902
Ion Ratio	Lower	Upper	
43	100		
58	24.6	19.8	29.8





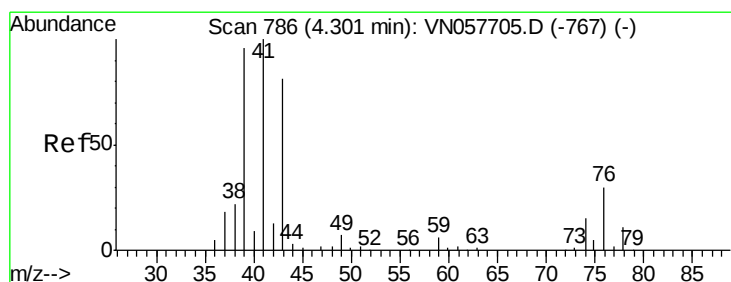
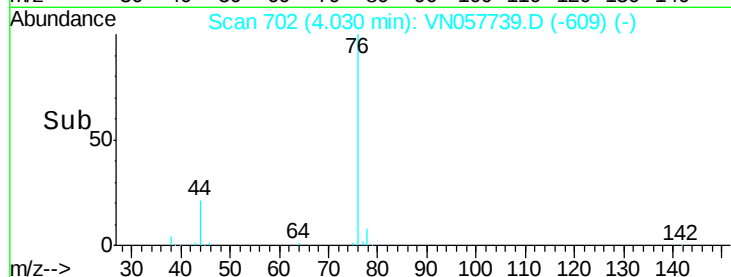
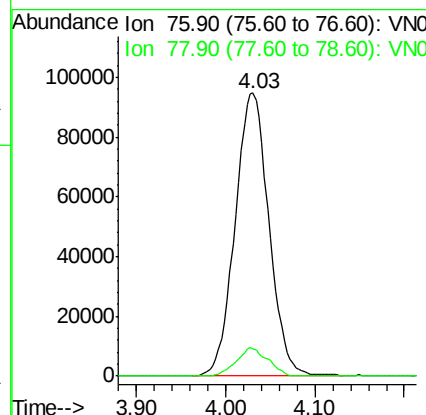
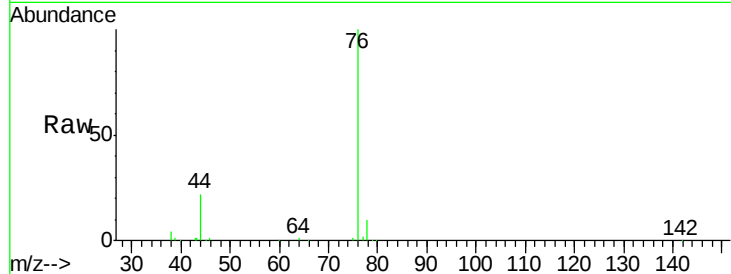
#17
Carbon Disulfide
Concen: 45.565 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN057739.D
Acq: 7 Sep 2019 1:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
76	100			
78	9.9	7.0	10.6	

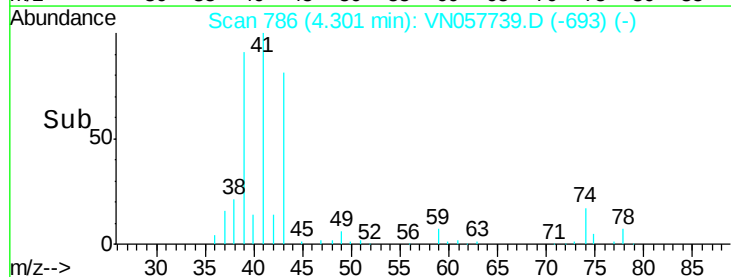
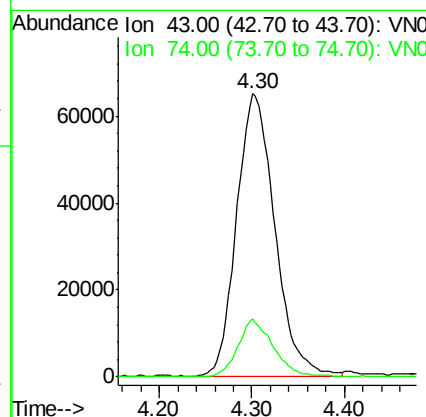
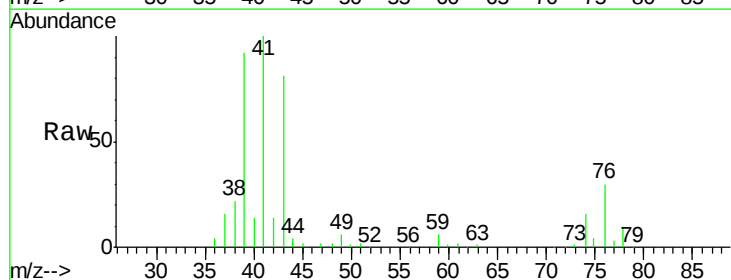
Manual Integrations
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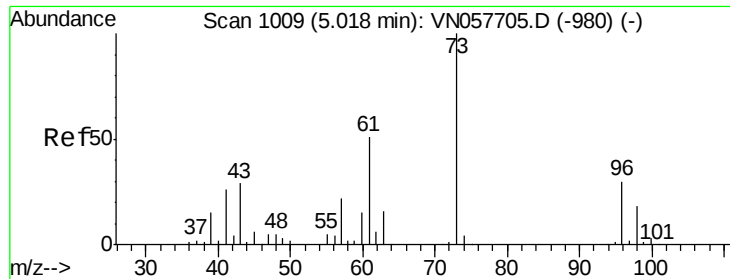
MMDadoda
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#18
Methyl Acetate
Concen: 46.736 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN057739.D
Acq: 7 Sep 2019 1:12

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
74	18.7	15.3	22.9	





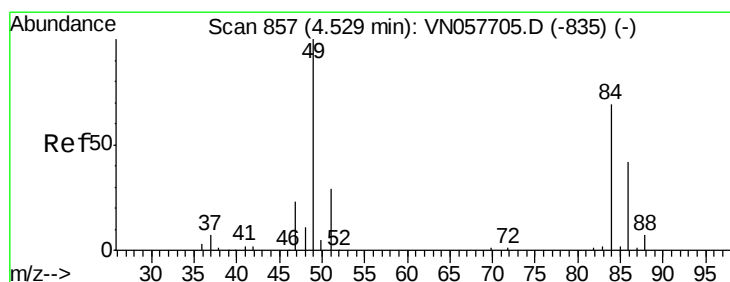
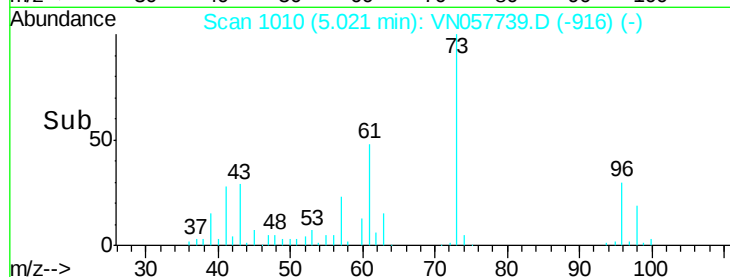
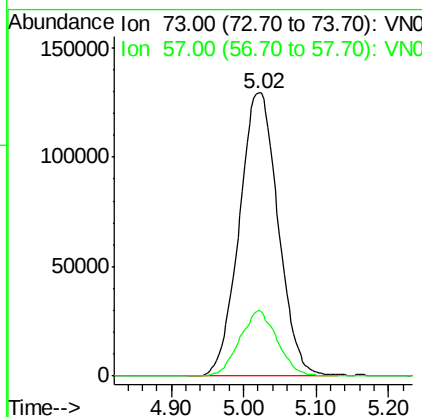
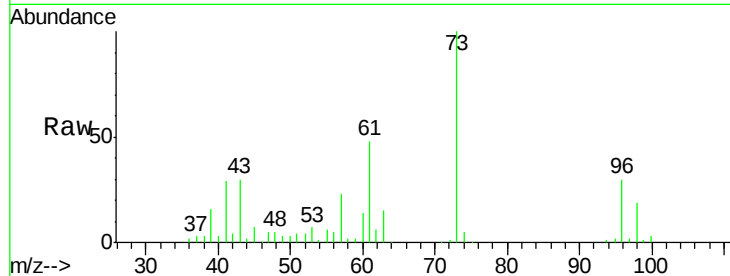
#19
Methvl tert-butvl Ether
Concen: 47.599 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN057739.D
Acq: 7 Sep 2019 1:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 482923
Ion Ratio Lower Upper
73 100
57 23.2 17.7 26.5

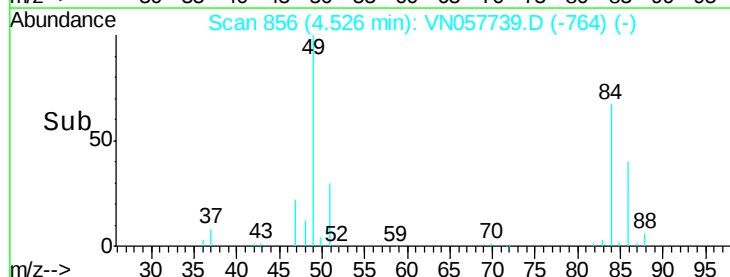
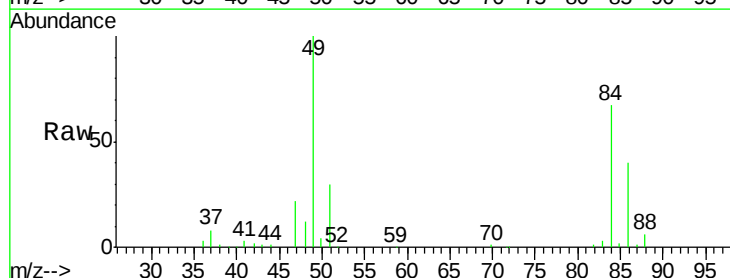
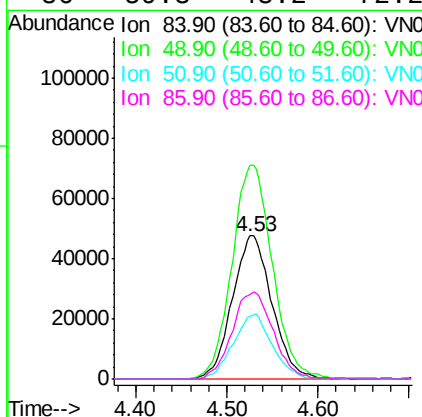
Manual Integrations
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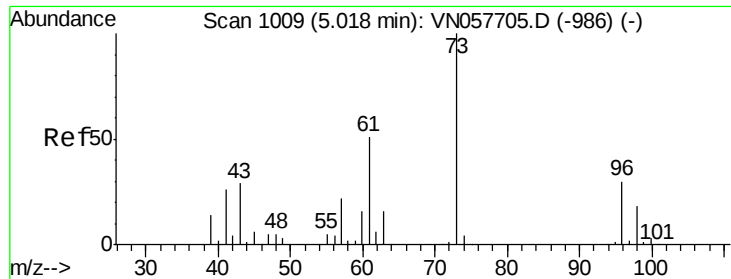
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#20
Methylene Chloride
Concen: 45.698 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN057739.D
Acq: 7 Sep 2019 1:12

Tgt Ion: 84 Resp: 144241
Ion Ratio Lower Upper
84 100
49 148.8 115.0 172.6
51 44.2 33.8 50.8
86 59.3 48.2 72.2





#21

trans-1,2-Dichloroethene

Concen: 47.665 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN057739.D

Acq: 7 Sep 2019 1:12

Instrument :

MSVOA_N

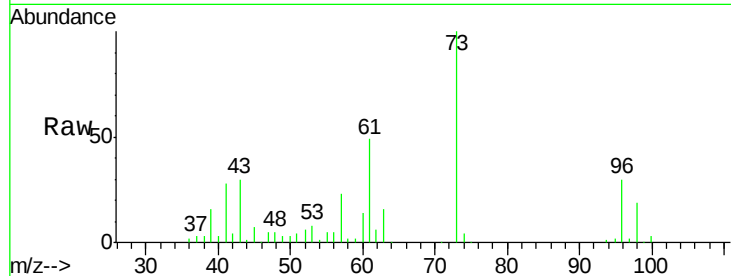
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	121210
Ion	Ratio	Lower	Upper
96	100		
61	163.5	135.8	203.8
98	64.8	49.0	73.6

Manual Integrations
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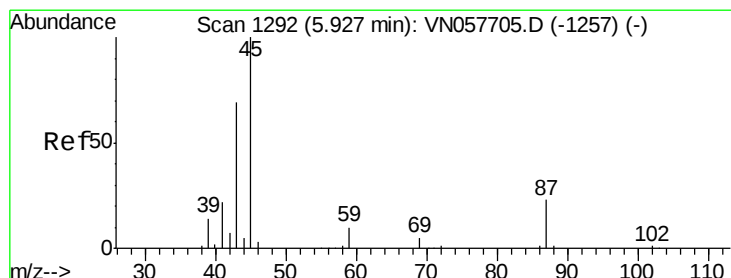
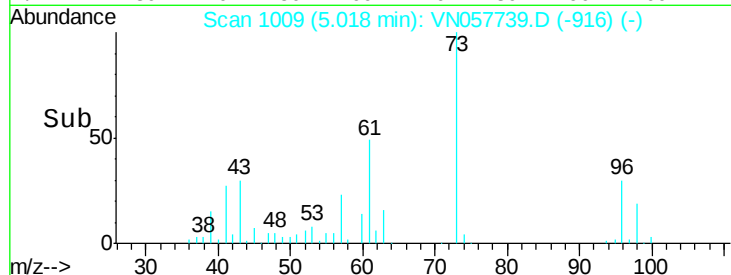
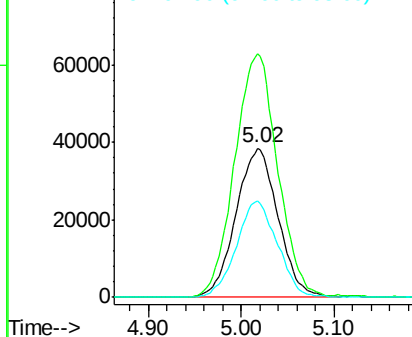


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 48.253 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VN057739.D

Acq: 7 Sep 2019 1:12

Tgt Ion:	45	Resp:	563710
Ion	Ratio	Lower	Upper
45	100		
43	69.1	55.5	83.3
87	22.8	18.6	28.0
59	9.7	7.9	11.9

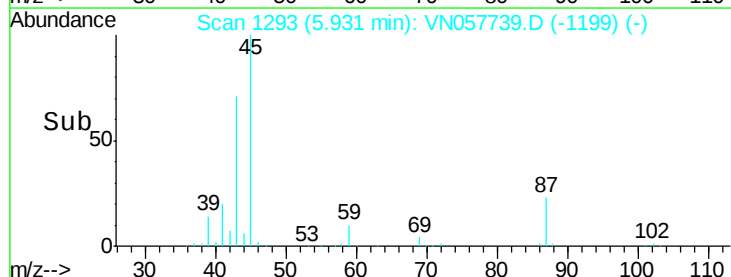
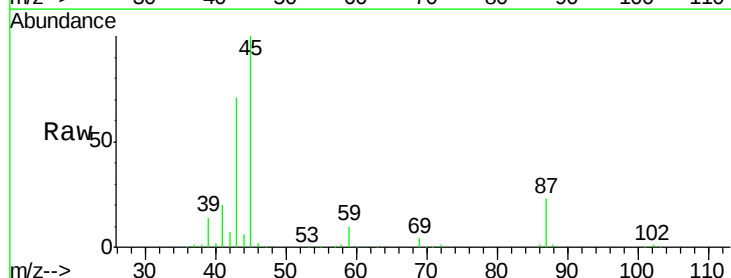
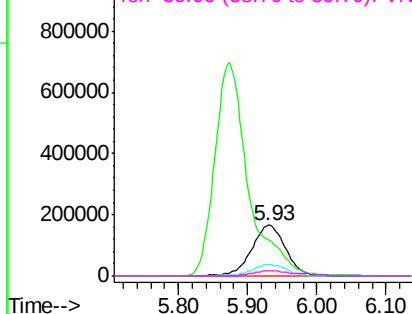
Abundance

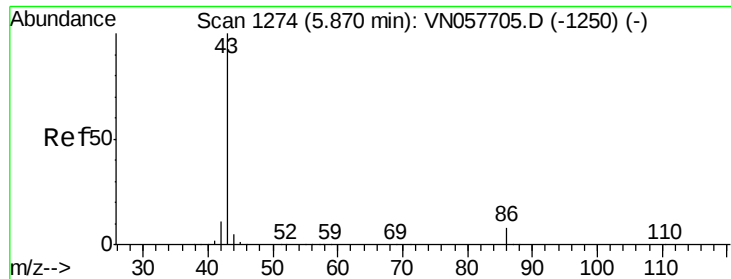
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





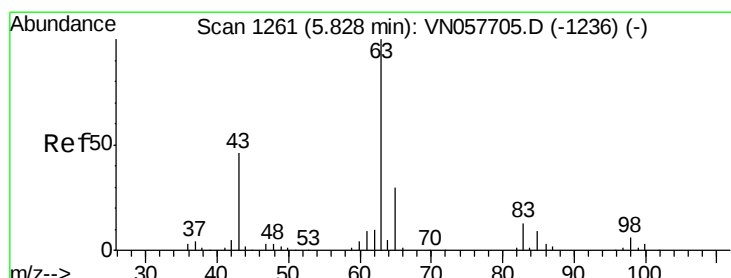
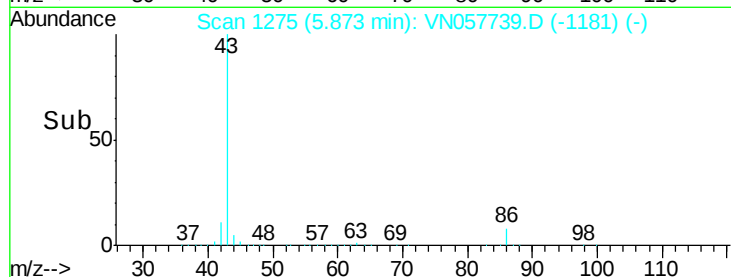
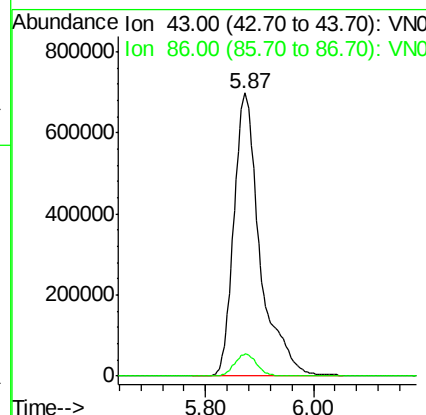
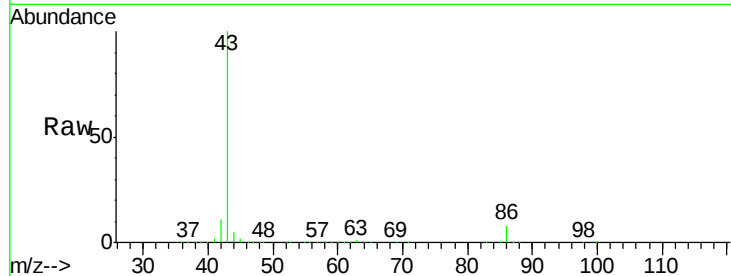
#23
 Vinyl Acetate
 Concen: 249.521 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN057739.D
 Acq: 7 Sep 2019 1:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2359394
 Ion Ratio Lower Upper
 43 100
 86 7.8 6.2 9.4

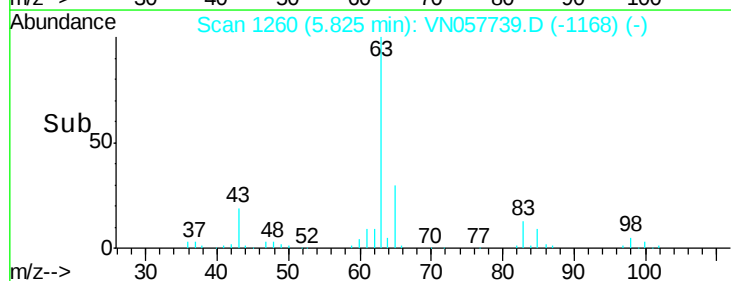
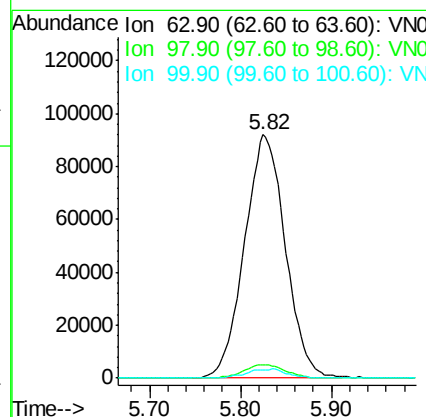
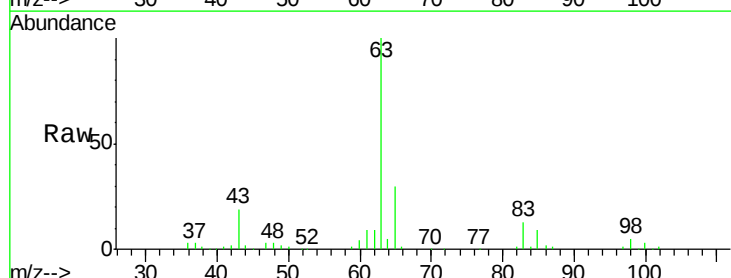
Manual Integrations
 APPROVED

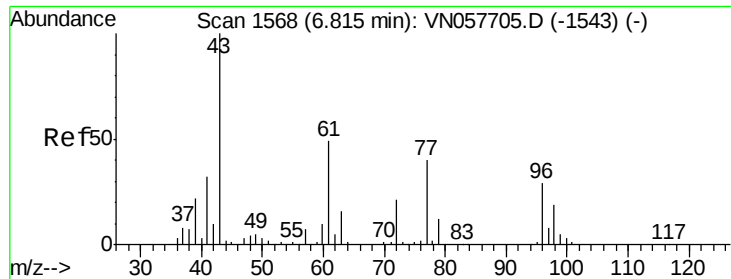
MMDadoda
 9/10/2019 9:57:16 AM



#24
 1,1-Dichloroethane
 Concen: 47.837 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN057739.D
 Acq: 7 Sep 2019 1:12

Tgt Ion: 63 Resp: 286545
 Ion Ratio Lower Upper
 63 100
 98 5.3 2.9 8.8
 100 3.3 1.7 5.0





#25

2-Butanone

Concen: 250.077 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057739.D

Acq: 7 Sep 2019 1:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 522797

Ion Ratio Lower Upper

43 100

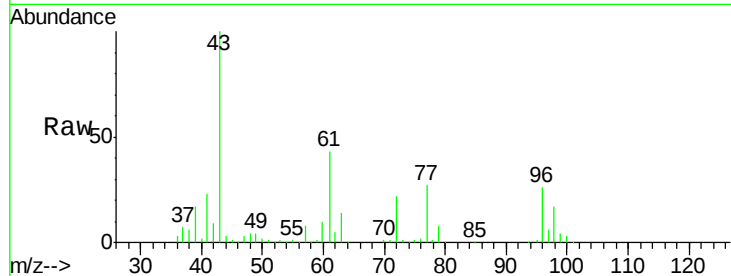
72 21.7 17.0 25.6

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

200000

150000

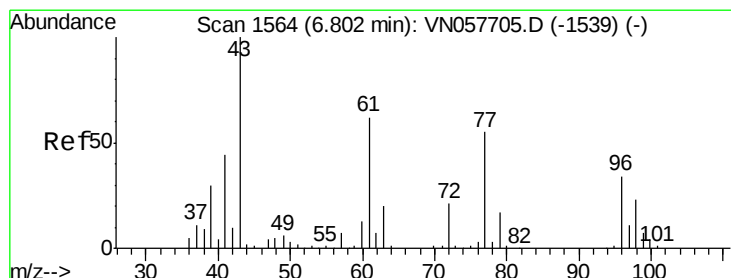
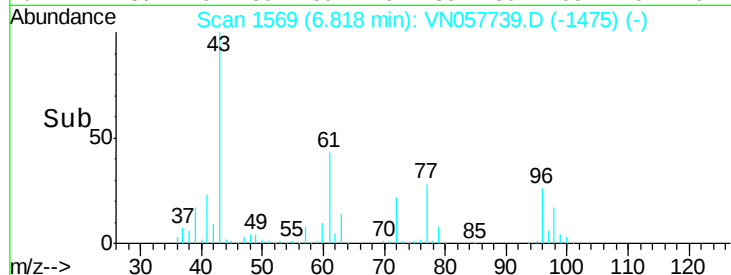
100000

50000

0

6.70 6.75 6.80 6.85 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 38.209 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN057739.D

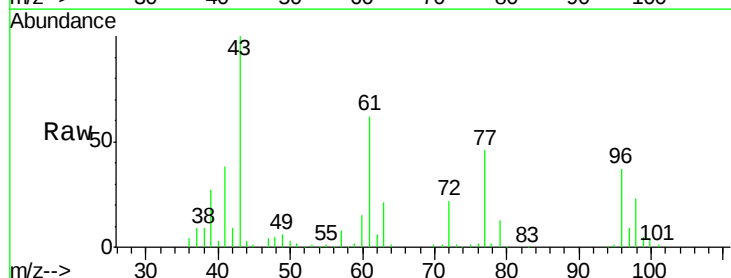
Acq: 7 Sep 2019 1:12

Tgt Ion: 77 Resp: 190935

Ion Ratio Lower Upper

77 100

97 10.8 10.1 30.1



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

60000

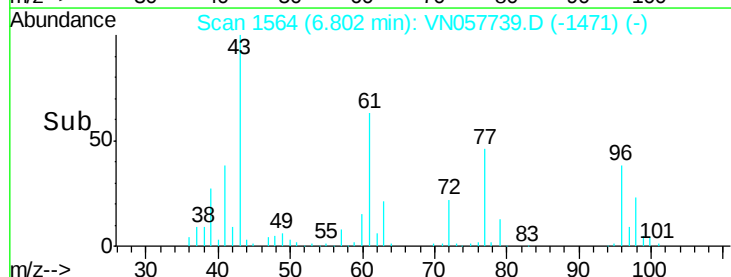
40000

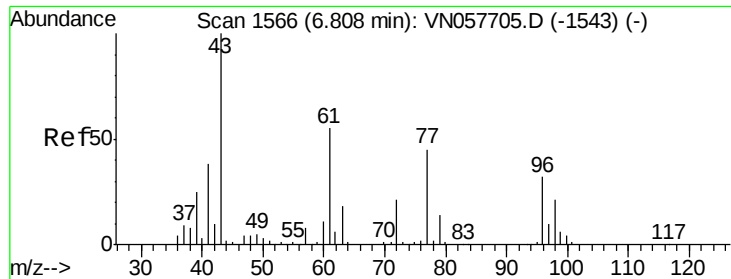
20000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 48.995 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057739.D

Acq: 7 Sep 2019 1:12

Instrument :

MSVOA_N

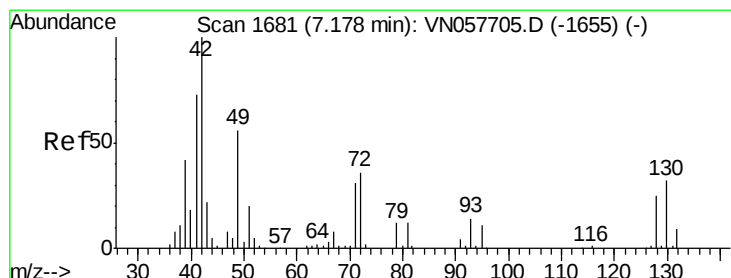
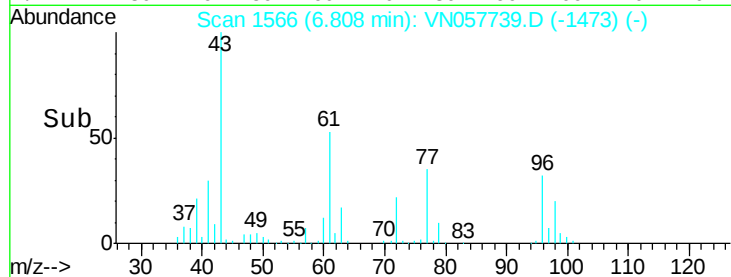
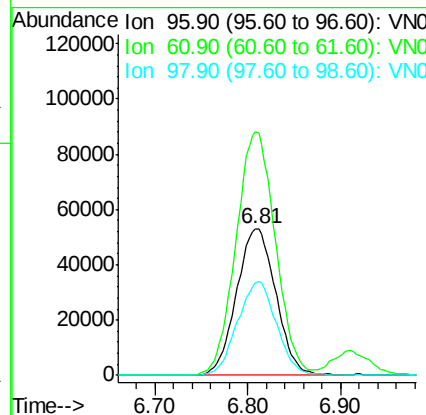
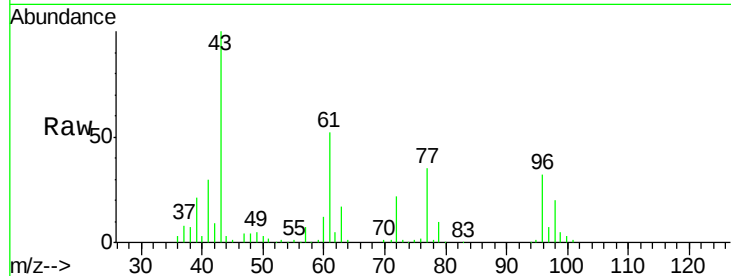
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	156388
Ion	Ratio	Lower	Upper
96	100		
61	165.8	0.0	360.6
98	62.9	0.0	130.6

Manual Integrations
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#28

Bromochloromethane

Concen: 50.323 ug/l

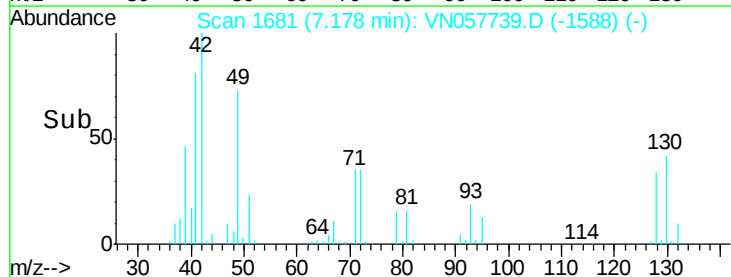
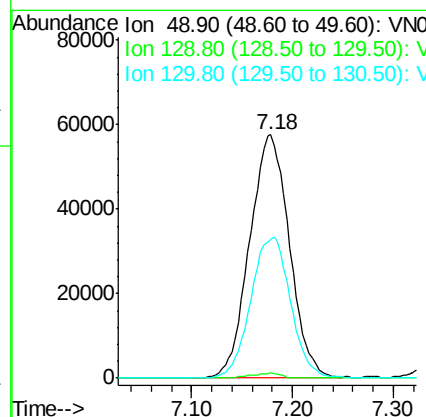
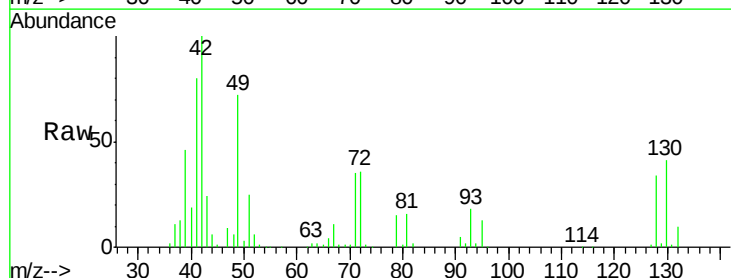
RT: 7.18 min Scan# 1681

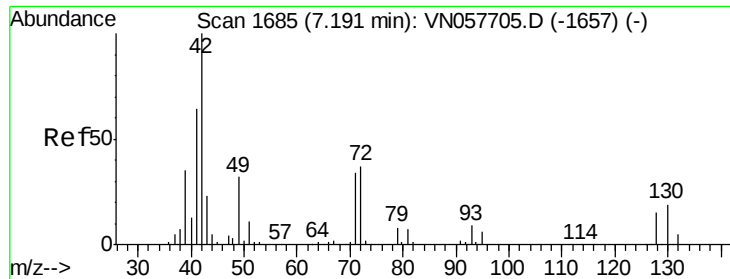
Delta R.T. 0.00 min

Lab File: VN057739.D

Acq: 7 Sep 2019 1:12

Tgt Ion:	49	Resp:	157719
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	2.4
130	57.9	45.8	68.8





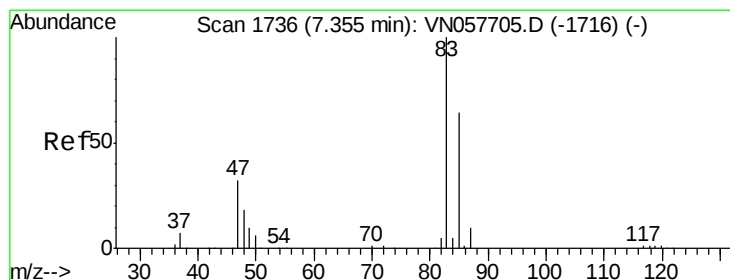
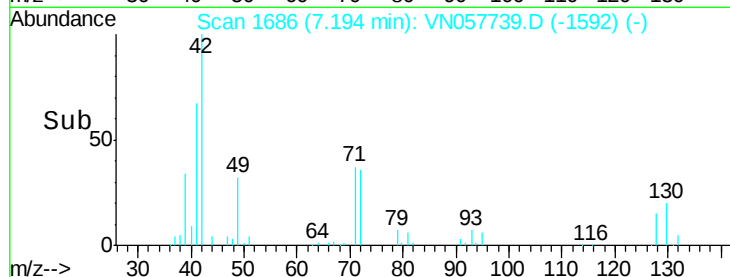
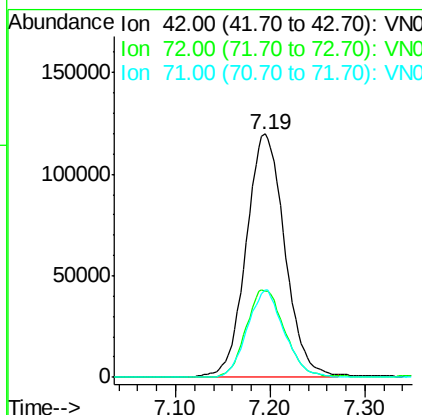
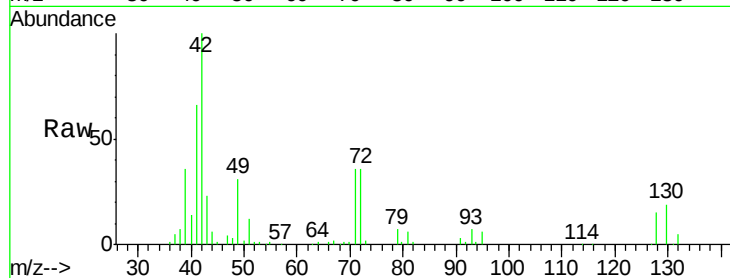
#29
Tetrahydrofuran
Concen: 250.217 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN057739.D
Acq: 7 Sep 2019 1:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.3	29.2	43.8
71	34.7	27.0	40.4

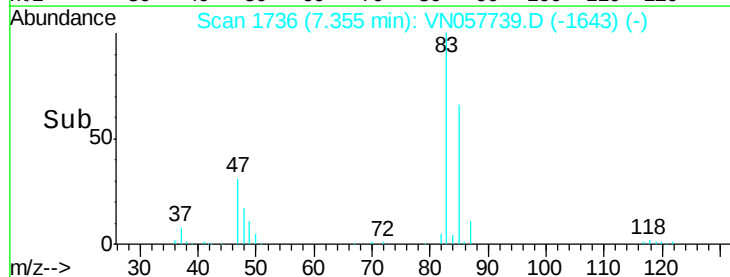
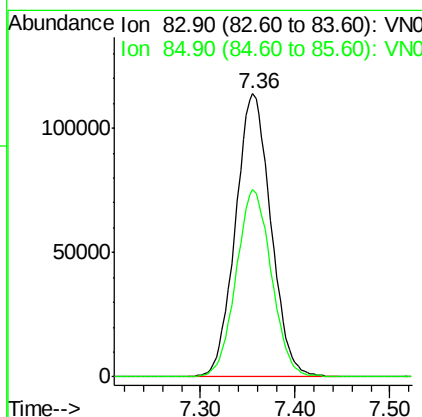
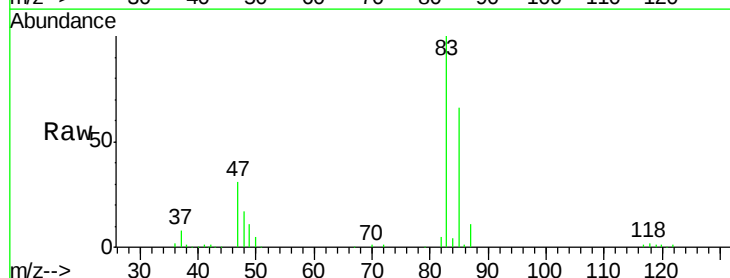
Manual Integrations
APPROVED

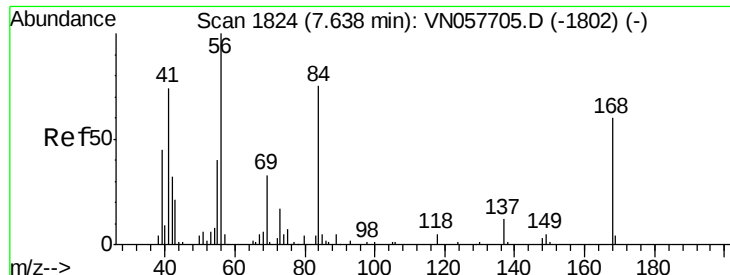
MMDadoda
9/10/2019 9:57:16 AM



#30
Chloroform
Concen: 47.410 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057739.D
Acq: 7 Sep 2019 1:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.3	76.9





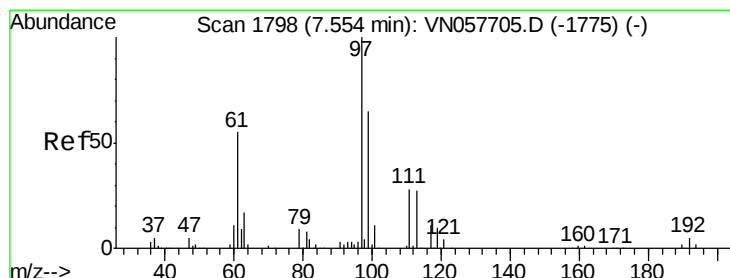
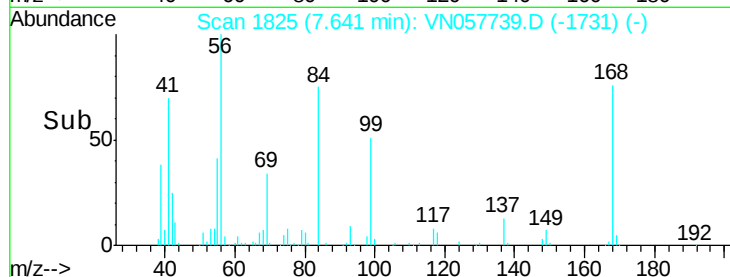
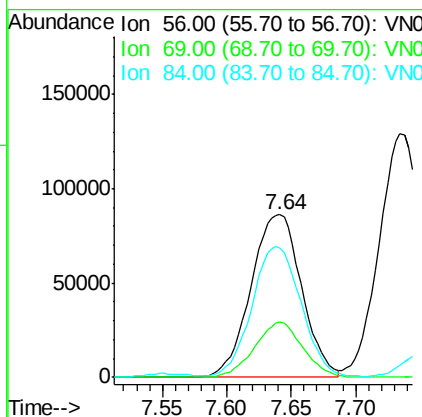
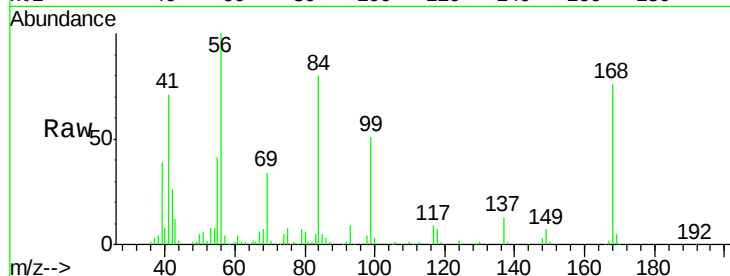
#31
Cyclohexane
Concen: 44.330 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN057739.D
Acq: 7 Sep 2019 1:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	33.9	26.2	39.2	
84	78.1	59.8	89.8	

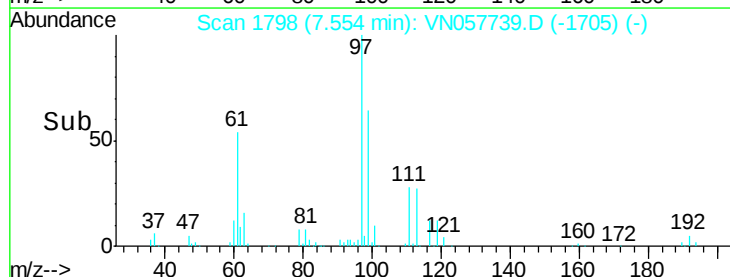
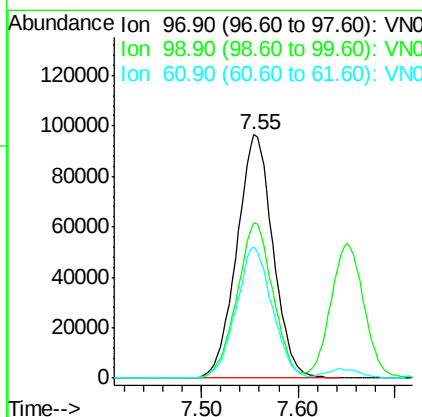
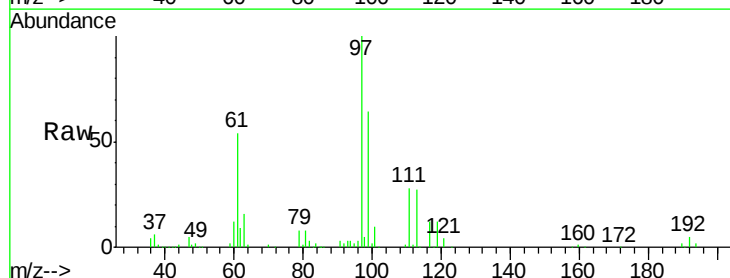
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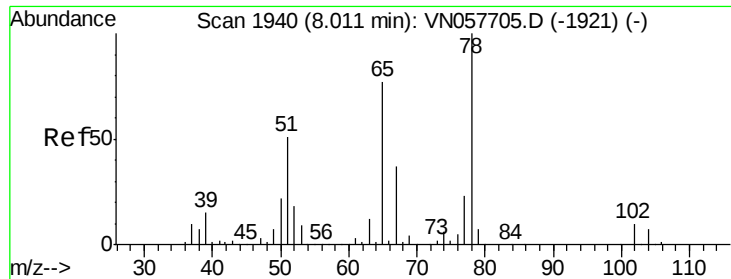
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#32
1,1,1-Trichloroethane
Concen: 48.246 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN057739.D
Acq: 7 Sep 2019 1:12

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	63.4	51.2	76.8	
61	53.7	42.8	64.2	





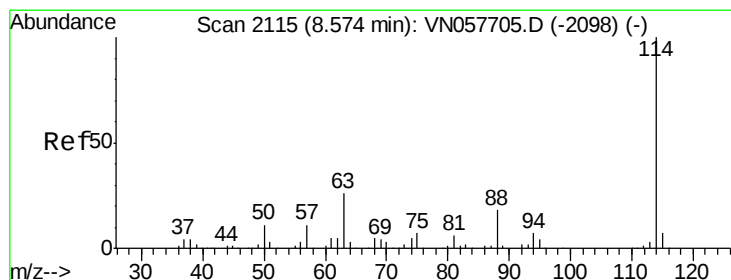
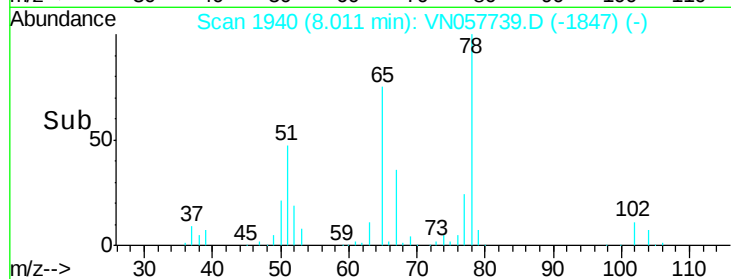
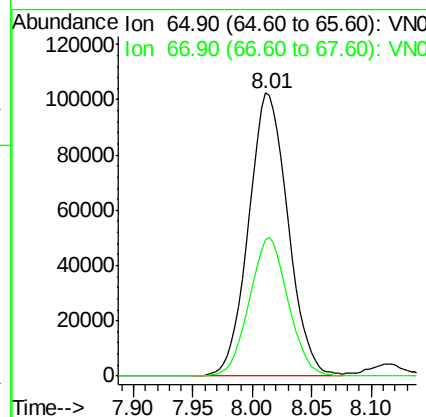
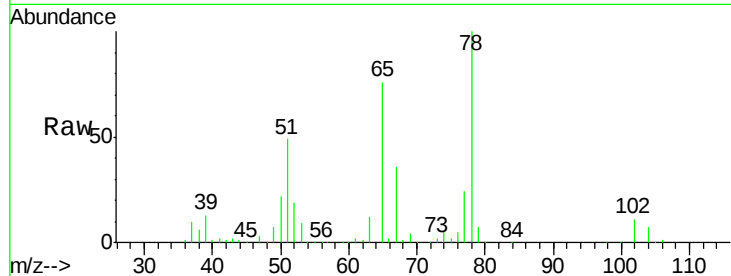
#33
 1,2-Dichloroethane-d4
 Concen: 49.541 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN057739.D
 Acq: 7 Sep 2019 1:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	235006		
67	48.1	0.0	98.2	

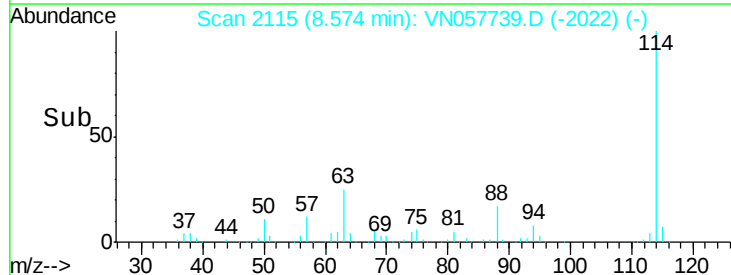
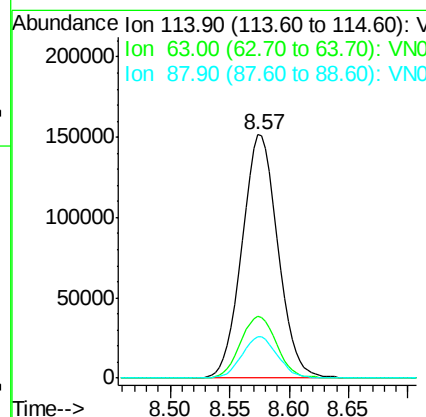
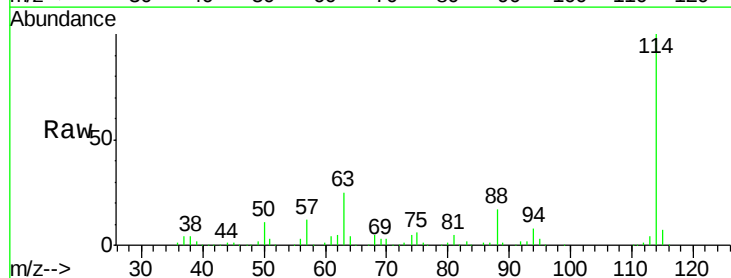
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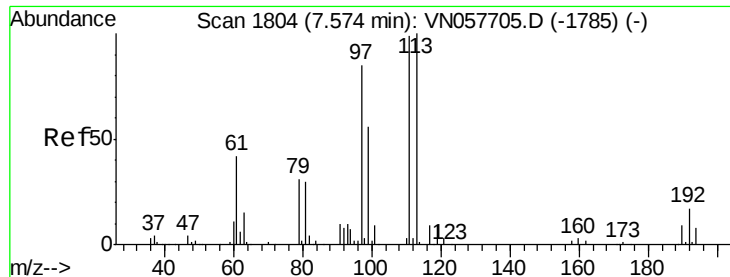
MMDadoda
 9/10/2019 9:57:16 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057739.D
 Acq: 7 Sep 2019 1:12

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	317363		
63	25.4	0.0	52.4	
88	17.1	0.0	35.4	





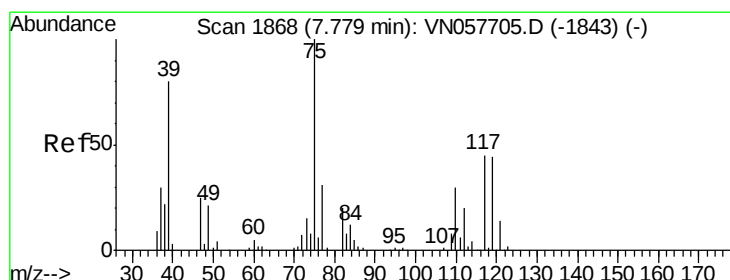
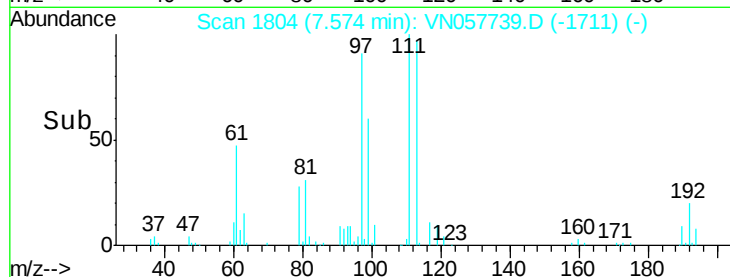
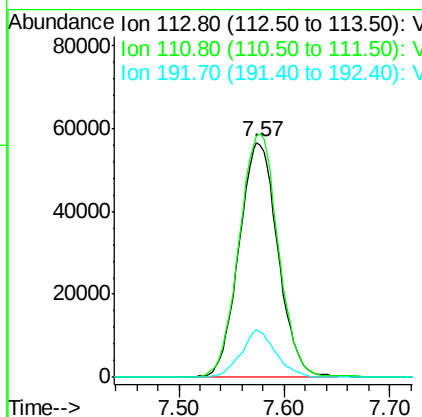
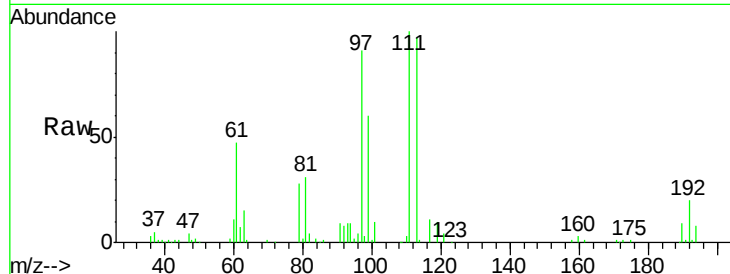
#35
 Dibromofluoromethane
 Concen: 50.171 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN057739.D
 Acq: 7 Sep 2019 1:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	145029		
111	104.9	82.7	124.1	
192	18.0	13.8	20.6	

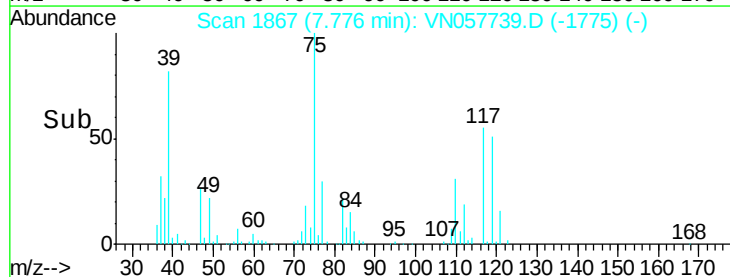
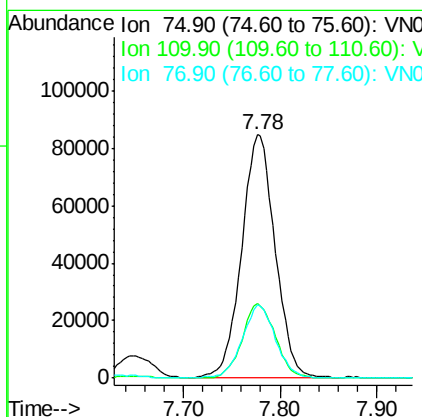
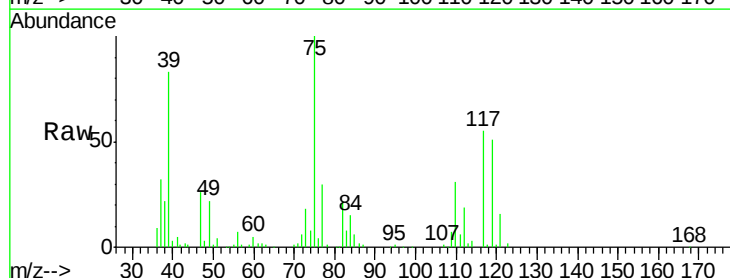
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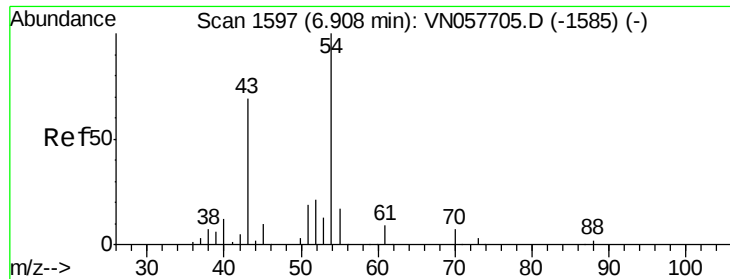
MMDadoda
 9/10/2019 9:57:16 AM



#36
 1,1-Dichloropropene
 Concen: 47.906 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN057739.D
 Acq: 7 Sep 2019 1:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	202260		
110	30.5	15.0	45.0	
77	30.2	24.6	37.0	





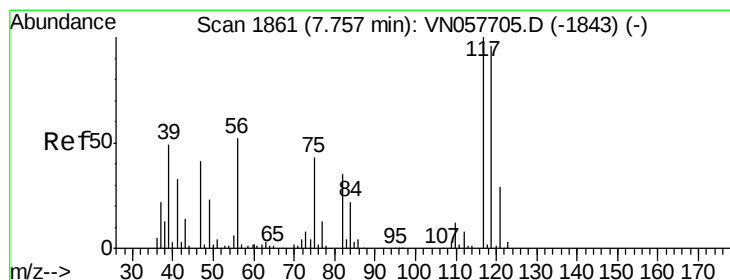
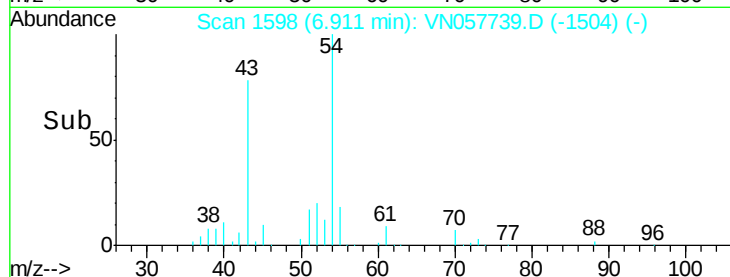
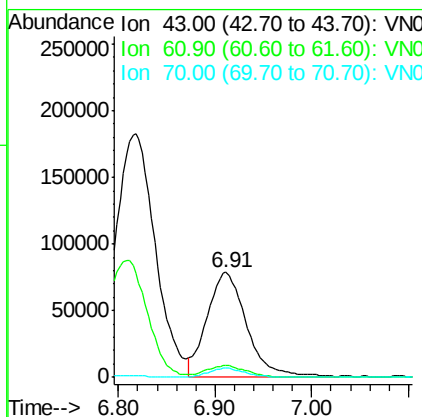
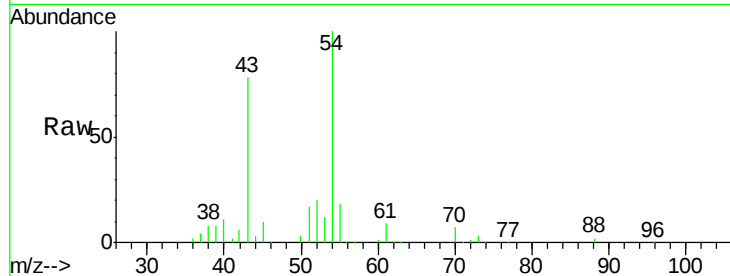
#37
Ethyl Acetate
Concen: 52.532 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN057739.D
Acq: 7 Sep 2019 1:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
43	100	220190		
61	11.7		9.8	14.8
70	8.0		6.7	10.1

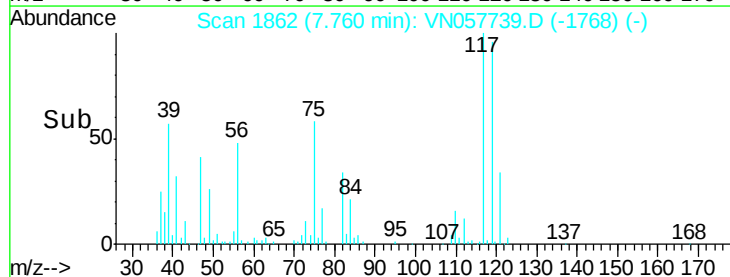
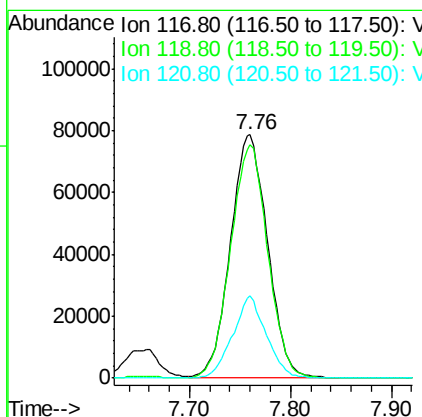
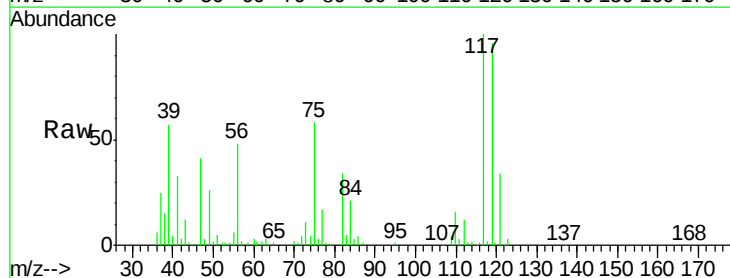
Manual Integrations
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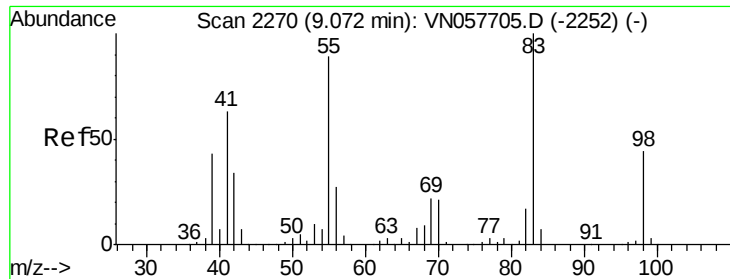
MMDadoda
9/10/2019 9:57:16 AM



#38
Carbon Tetrachloride
Concen: 49.778 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057739.D
Acq: 7 Sep 2019 1:12

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	201234		
119	95.8		76.1	114.1
121	33.7		23.4	35.2





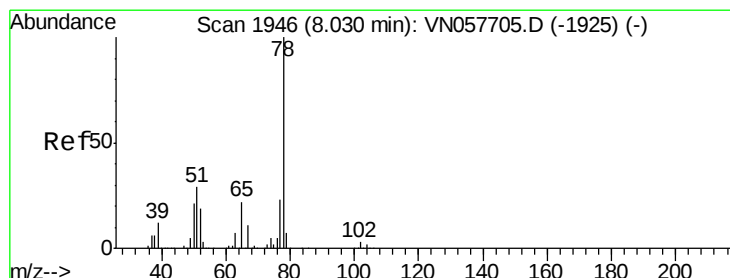
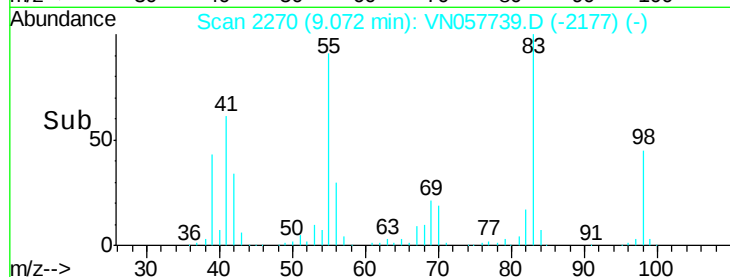
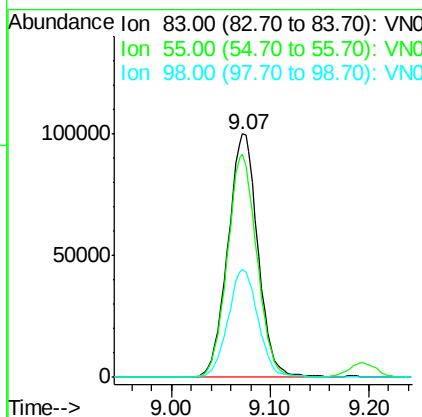
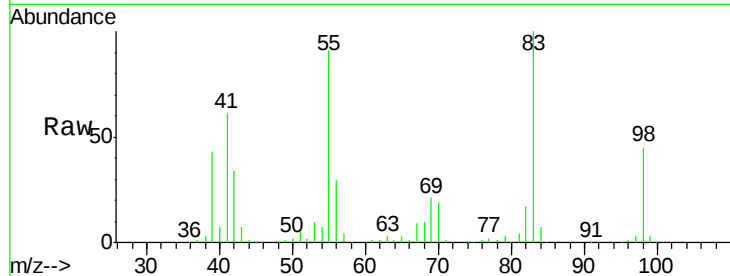
#39
Methvlcvclohexane
Concen: 47.477 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057739.D
Acq: 7 Sep 2019 1:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	91.4	71.4	107.0
98	44.6	35.3	52.9

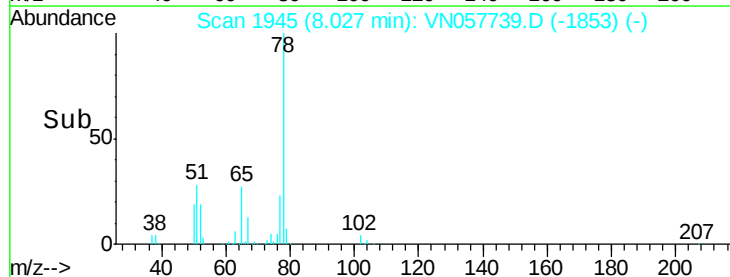
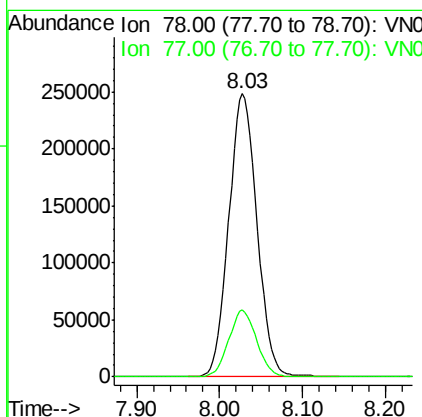
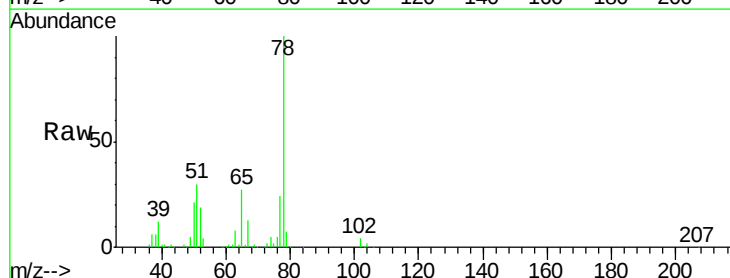
Manual Integrations
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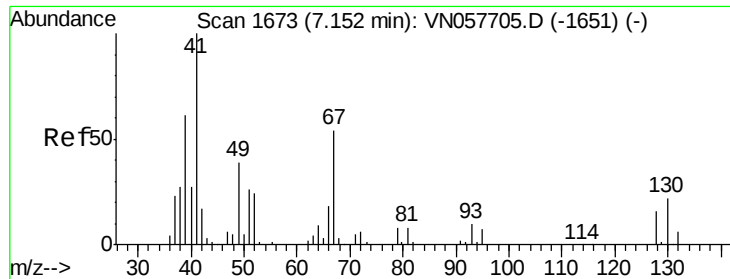
MMDadoda
9/10/2019 9:57:16 AM



#40
Benzene
Concen: 49.270 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057739.D
Acq: 7 Sep 2019 1:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.6	28.0





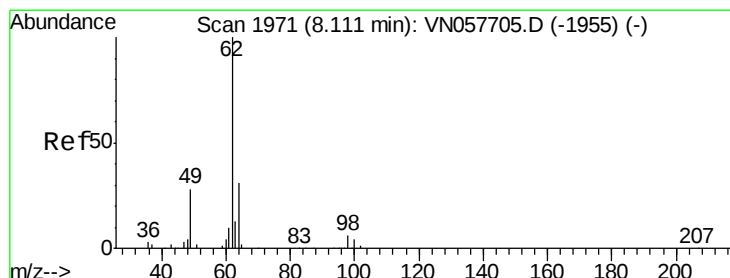
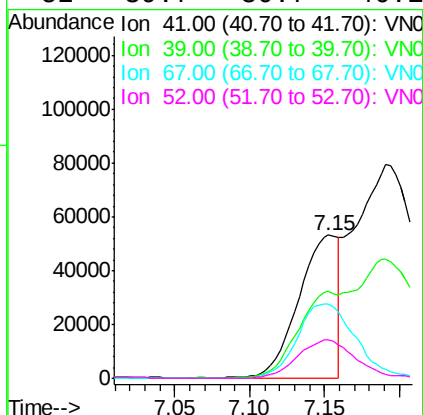
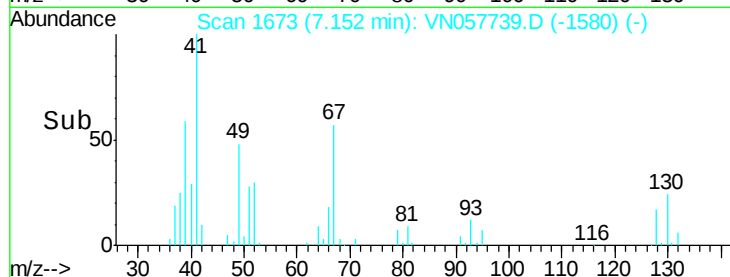
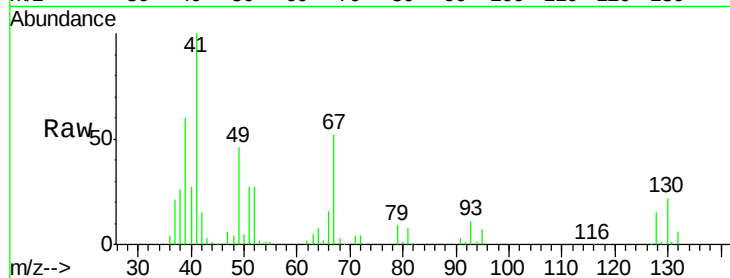
#41
Methacrylonitrile
Concen: 47.741 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. 0.00 min
Lab File: VN057739.D
Acq: 7 Sep 2019 1:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	61.0	43.6	65.4	
67	76.9	59.8	89.6	
52	39.7	30.7	46.1	

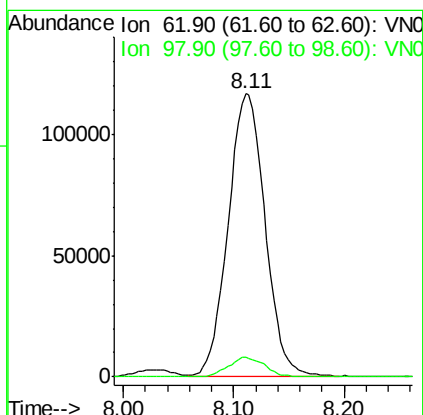
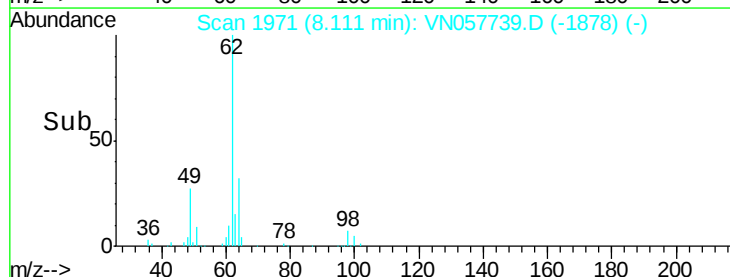
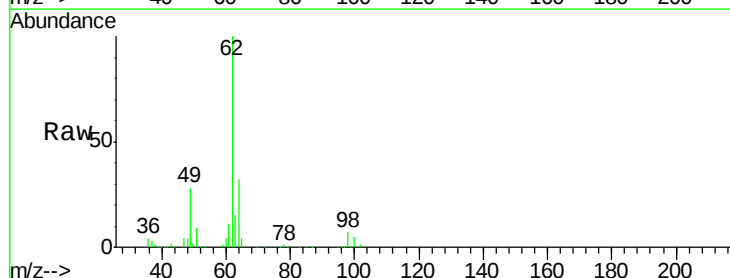
Manual Integrations
APPROVED

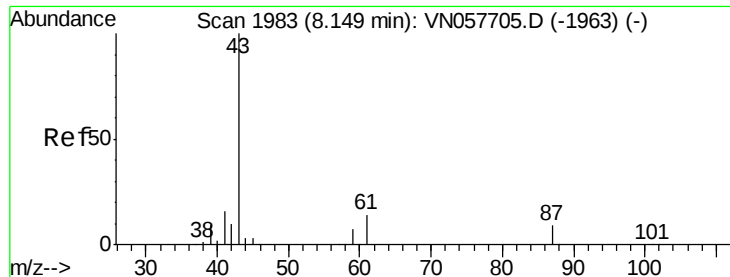
MMDadoda
9/10/2019 9:57:16 AM



#42
1,2-Dichloroethane
Concen: 48.062 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057739.D
Acq: 7 Sep 2019 1:12

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	6.8	0.0	12.6	





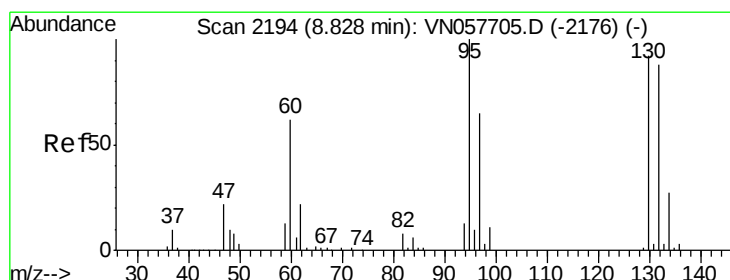
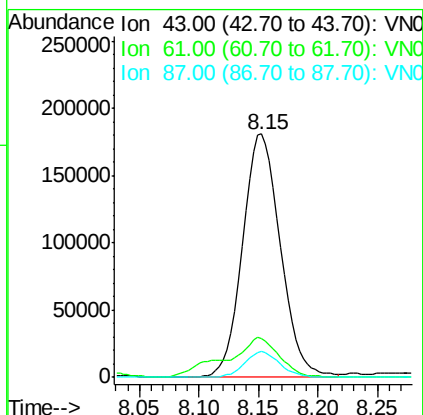
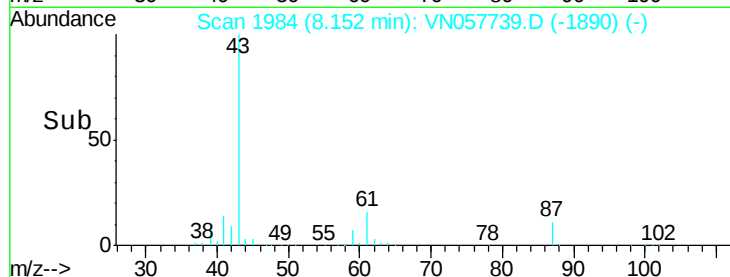
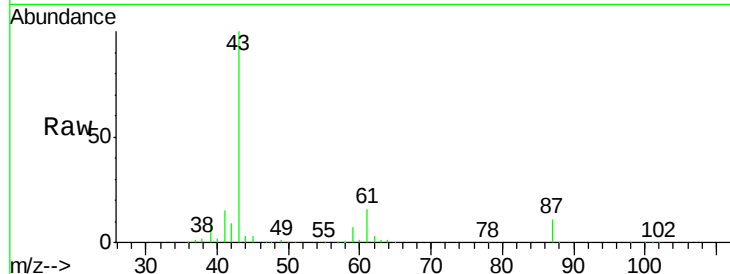
#43
Isopropyl Acetate
Concen: 49.464 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN057739.D
Acq: 7 Sep 2019 1:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	43	Resp:	397957
Ion	Ratio	Lower	Upper
43	100		
61	15.9	12.8	19.2
87	10.0	7.8	11.8

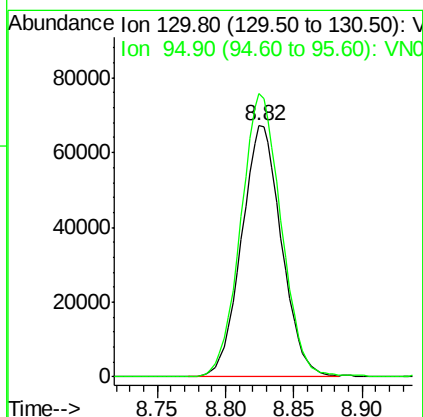
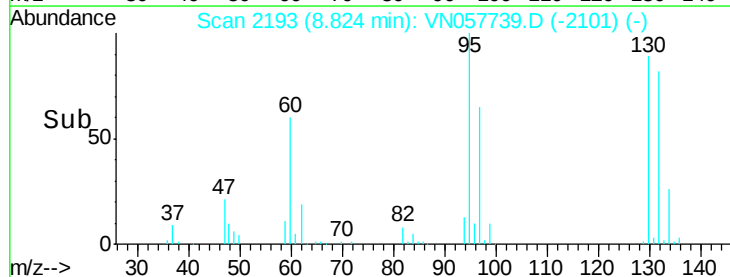
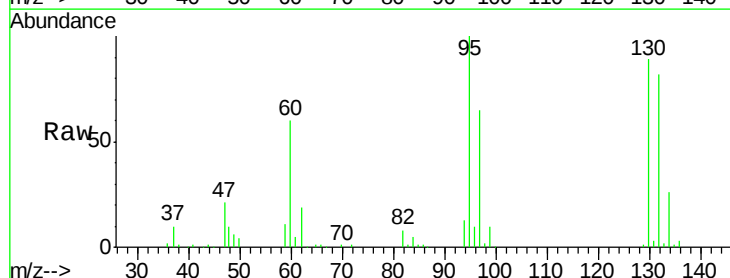
Manual Integrations
APPROVED

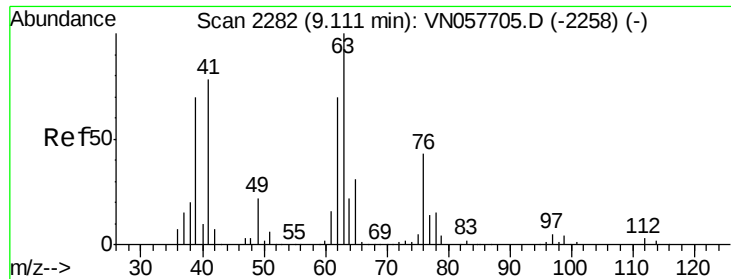
MMDadoda
9/10/2019 9:57:16 AM



#44
Trichloroethene
Concen: 50.935 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VN057739.D
Acq: 7 Sep 2019 1:12

Tgt Ion:	130	Resp:	136708
Ion	Ratio	Lower	Upper
130	100		
95	112.8	0.0	217.8





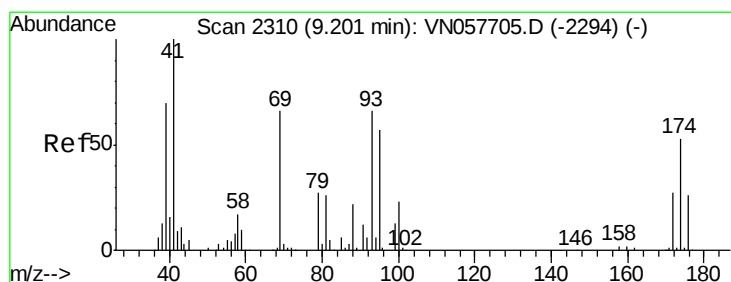
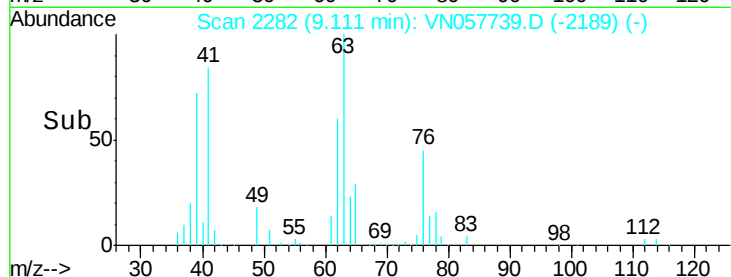
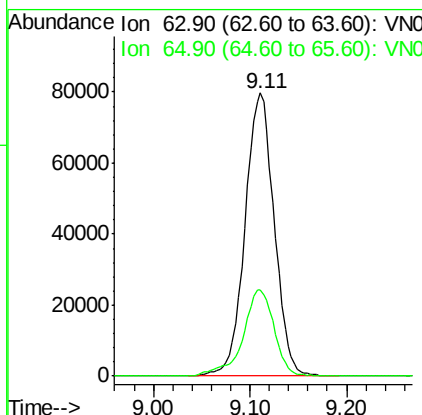
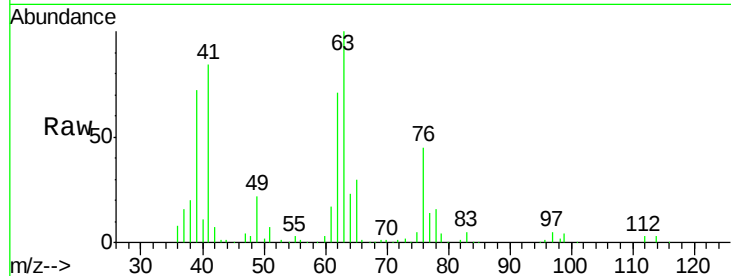
#45
 1,2-Dichloropropane
 Concen: 50.056 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057739.D
 Acq: 7 Sep 2019 1:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 167182
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.5 36.7

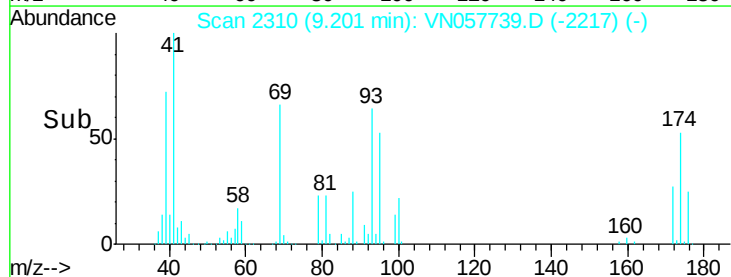
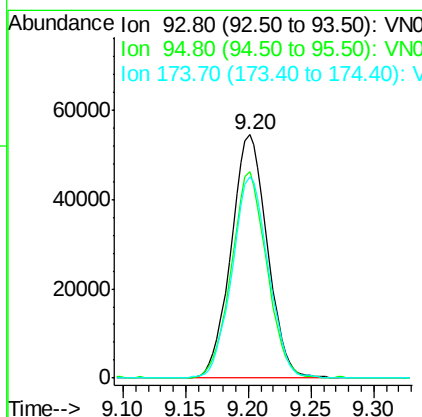
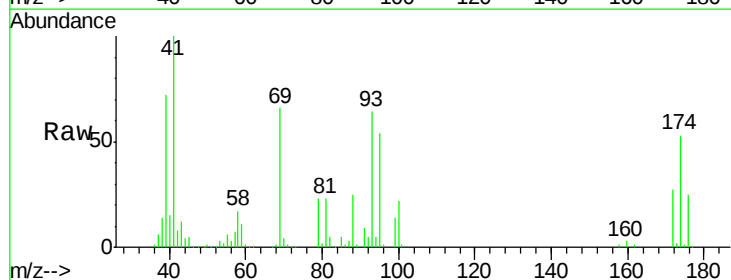
Manual Integrations
 APPROVED

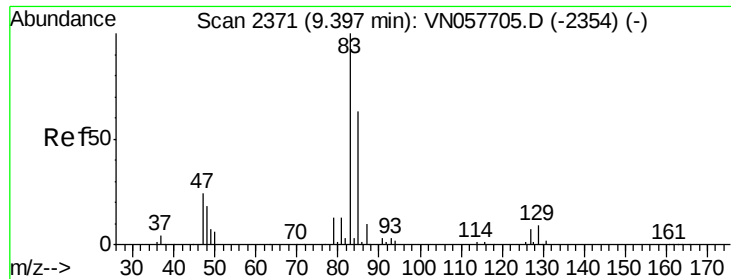
MMDadoda
 9/10/2019 9:57:16 AM



#46
 Dibromomethane
 Concen: 51.073 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057739.D
 Acq: 7 Sep 2019 1:12

Tgt Ion: 93 Resp: 109420
 Ion Ratio Lower Upper
 93 100
 95 83.0 66.1 99.1
 174 82.7 63.4 95.2





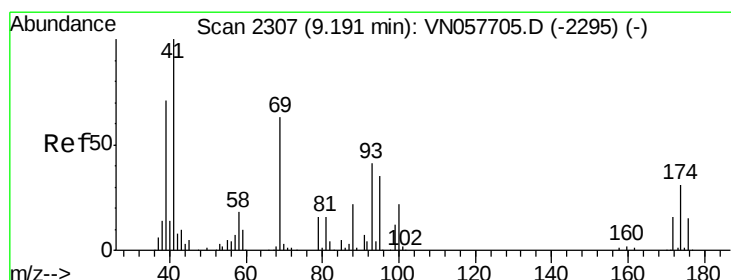
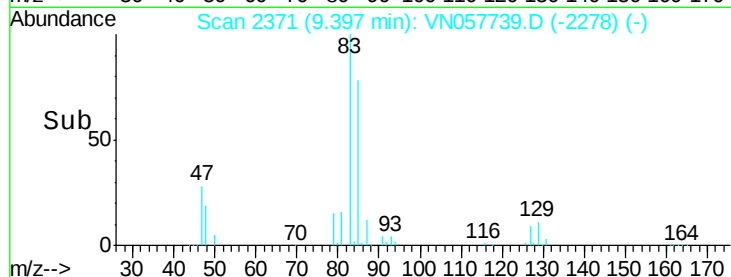
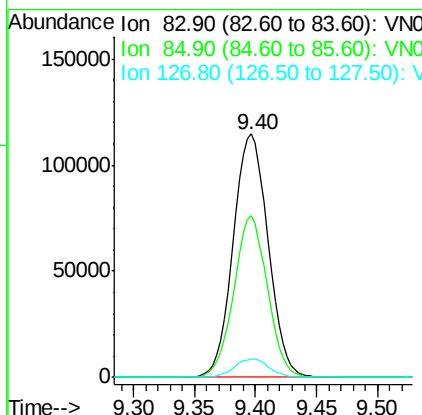
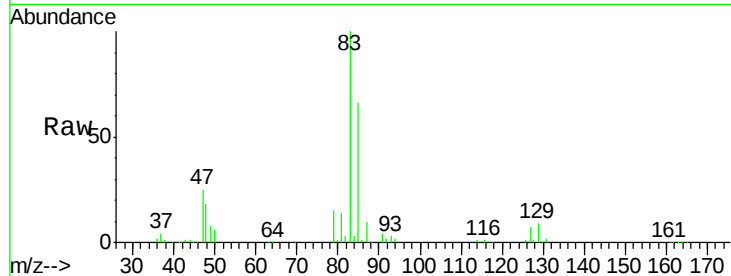
#47
Bromodichloromethane
Concen: 49.948 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN057739.D
Acq: 7 Sep 2019 1:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	227416
Ion Ratio	100	Lower	Upper
83	100		
85	66.3	50.7	76.1
127	7.3	5.6	8.4

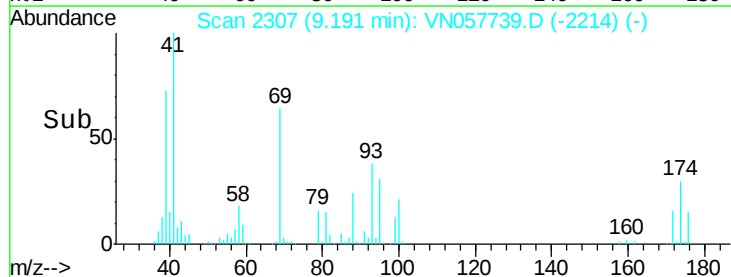
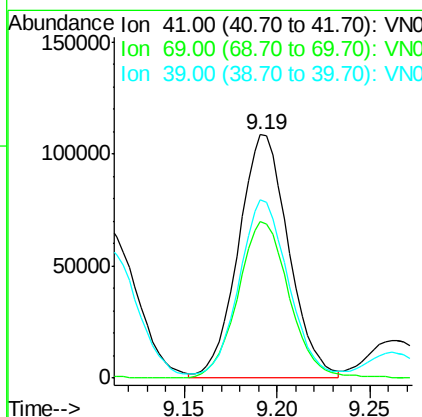
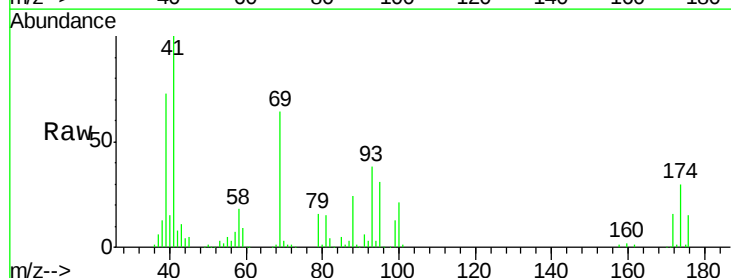
Manual Integrations
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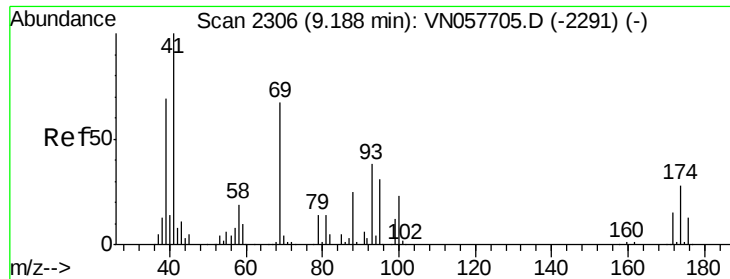
MMDadoda
9/10/2019 9:57:16 AM



#48
Methyl methacrylate
Concen: 49.355 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN057739.D
Acq: 7 Sep 2019 1:12

Tgt Ion	41	Resp	204214
Ion Ratio	100	Lower	Upper
41	100		
69	65.5	51.2	76.8
39	72.6	57.3	85.9





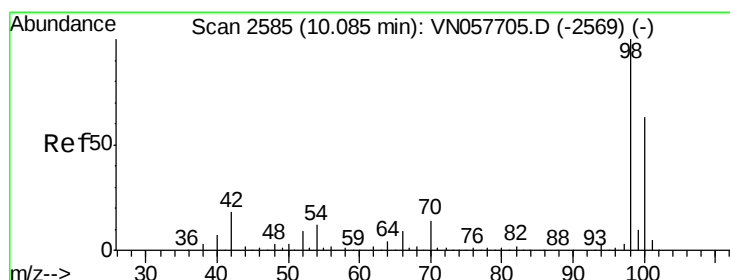
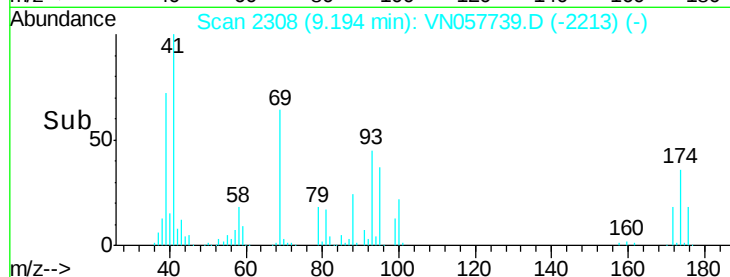
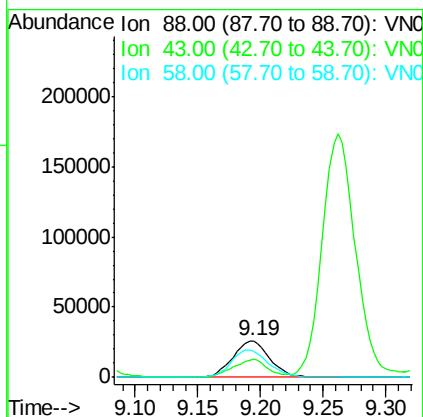
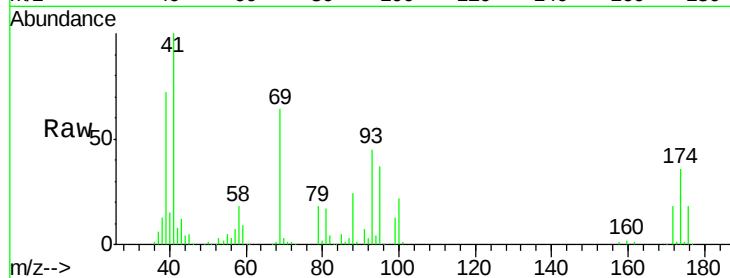
#49
1,4-Dioxane
Concen: 1091.416 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.01 min
Lab File: VN057739.D
Acq: 7 Sep 2019 1:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.0	35.4	53.2
58	76.2	61.5	92.3

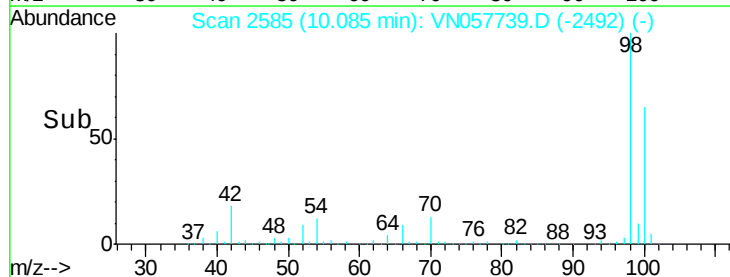
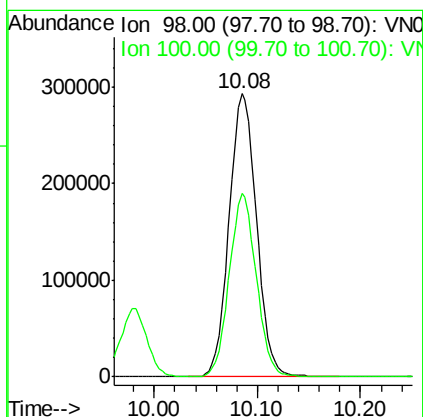
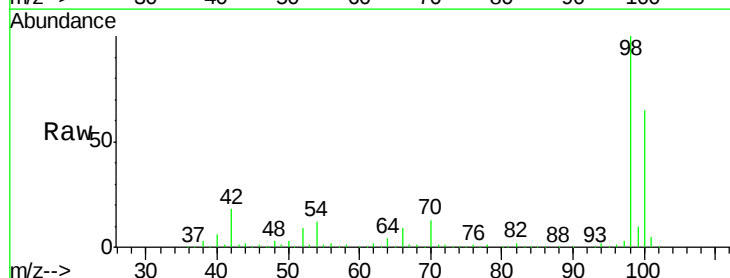
Manual Integrations
APPROVED

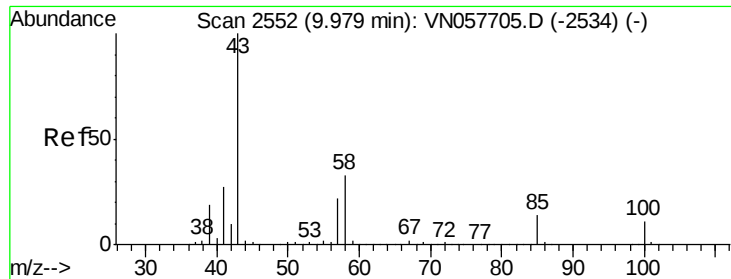
MMDadoda
9/10/2019 9:57:16 AM



#50
Toluene-d8
Concen: 50.891 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057739.D
Acq: 7 Sep 2019 1:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 266.701 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057739.D

Acq: 7 Sep 2019 1:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1191635

Ion Ratio Lower Upper

43 100

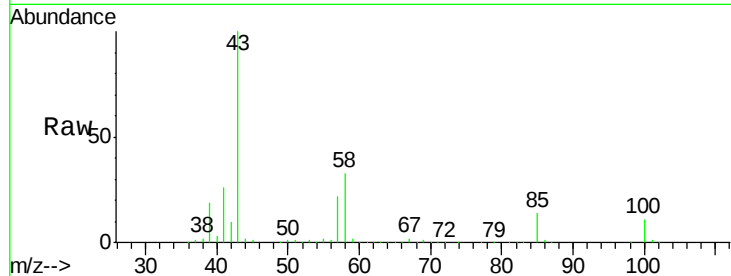
58 32.3 25.8 38.8

Manual Integrations

APPROVED

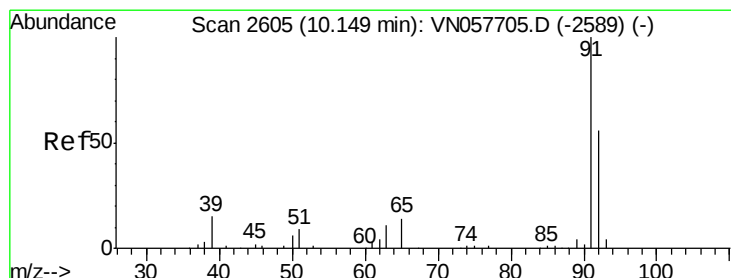
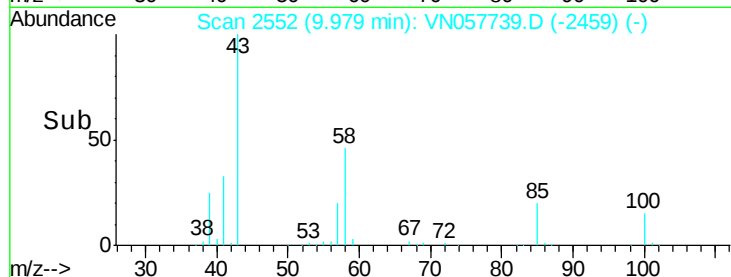
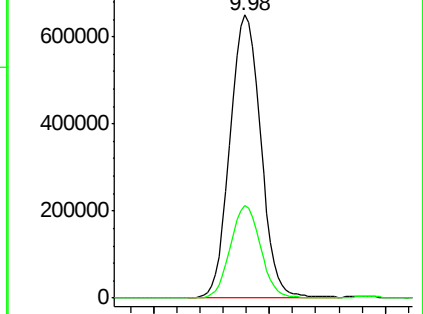
MMDadoda

9/10/2019 9:57:16 AM



Abundance Ion 43.00 (42.70 to 43.70): VN057705.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN057705.D (-2534) (-)



#52

Toluene

Concen: 50.221 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN057739.D

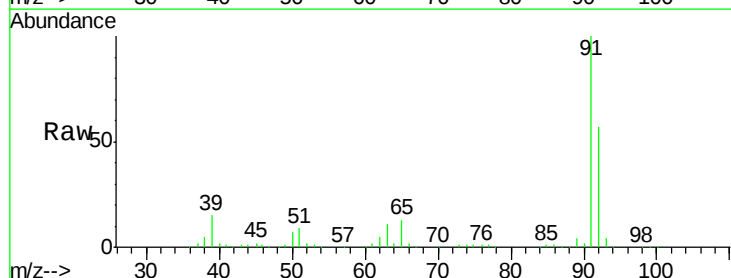
Acq: 7 Sep 2019 1:12

Tgt Ion: 92 Resp: 363497

Ion Ratio Lower Upper

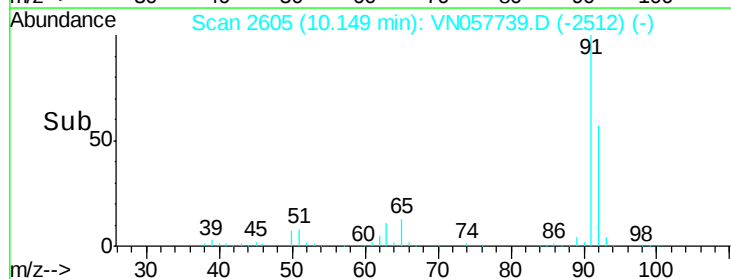
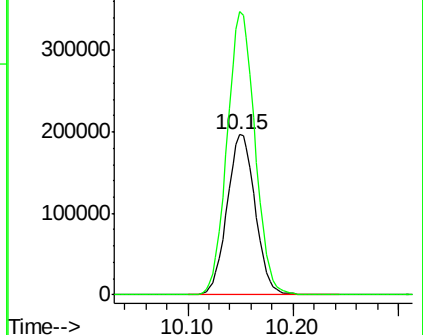
92 100

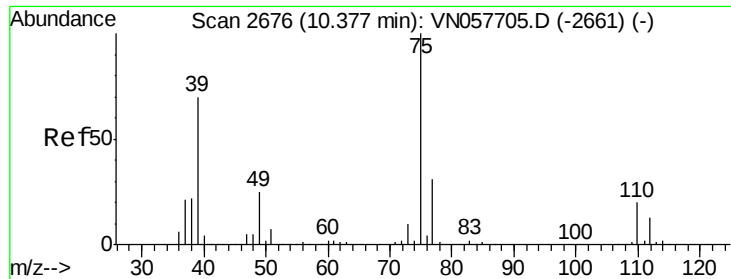
91 174.6 141.5 212.3



Abundance Ion 92.00 (91.70 to 92.70): VN057705.D (-2589) (-)

Ion 91.00 (90.70 to 91.70): VN057705.D (-2589) (-)





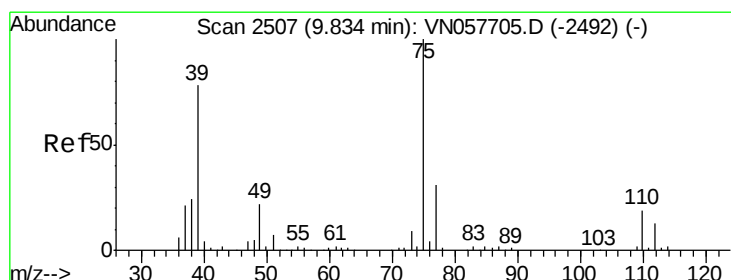
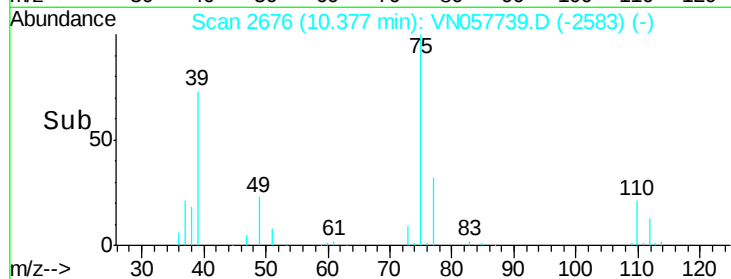
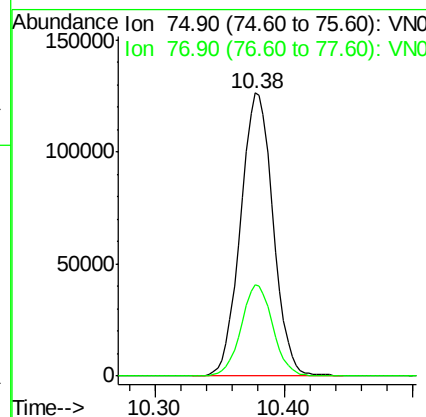
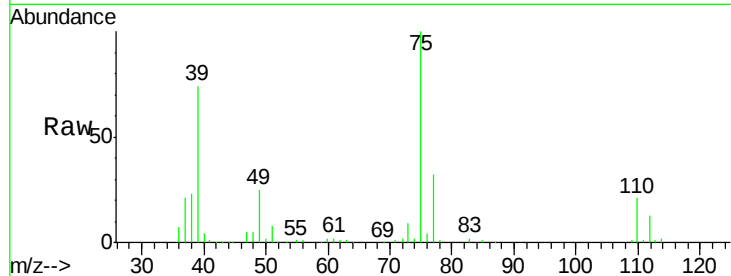
#53
t-1,3-Dichloropropene
Concen: 48.566 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057739.D
Acq: 7 Sep 2019 1:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.1	37.7

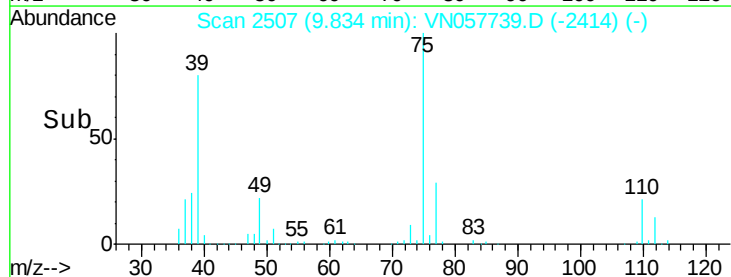
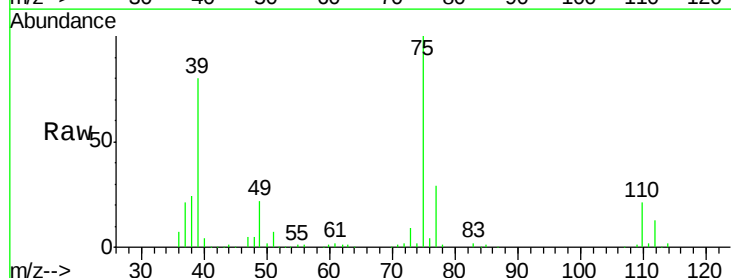
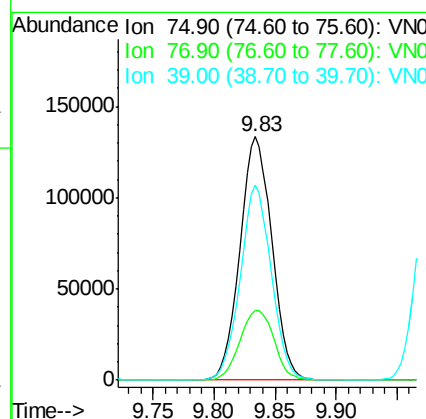
Manual Integrations
APPROVED

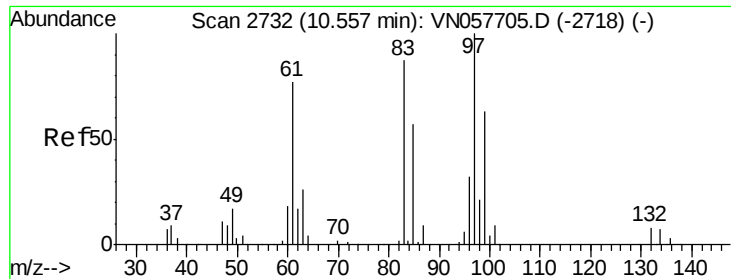
MMDadoda
9/10/2019 9:57:16 AM



#54
cis-1,3-Dichloropropene
Concen: 48.916 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057739.D
Acq: 7 Sep 2019 1:12

Tgt Ion	Ratio	Lower	Upper
75	100		
77	28.6	25.1	37.7
39	80.0	62.4	93.6





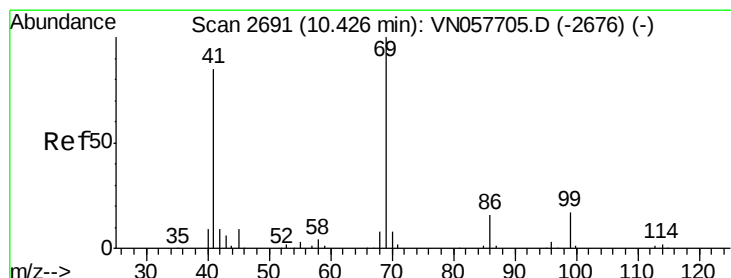
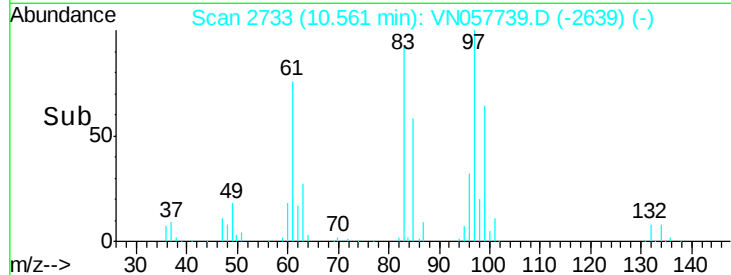
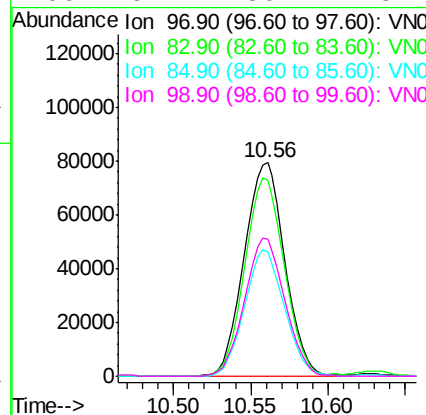
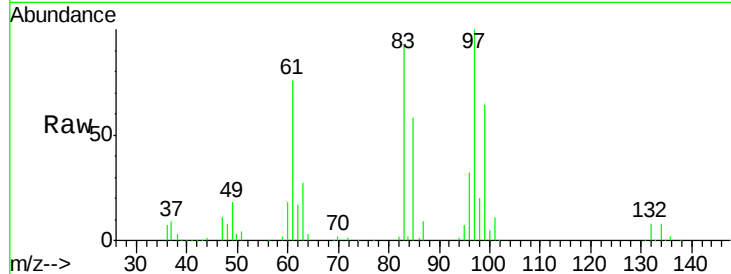
#55
 1,1,2-Trichloroethane
 Concen: 49.911 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057739.D
 Acq: 7 Sep 2019 1:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	145381
Ion	Ratio	Lower	Upper
97	100		
83	91.7	69.5	104.3
85	58.0	45.7	68.5
99	64.1	50.2	75.4

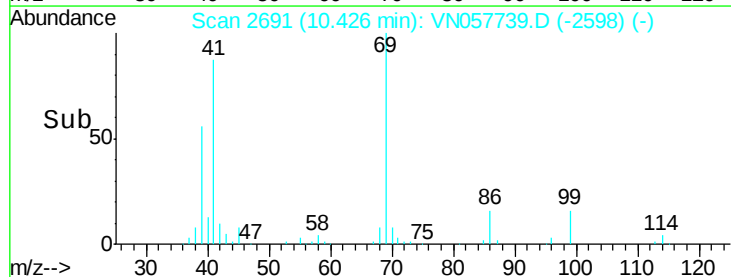
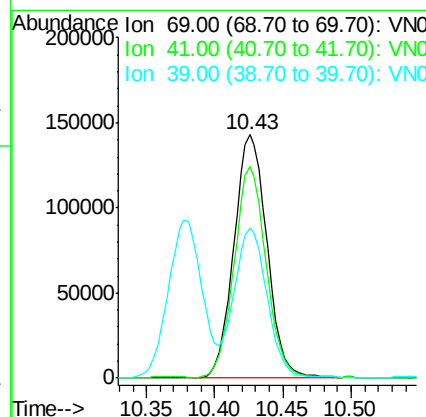
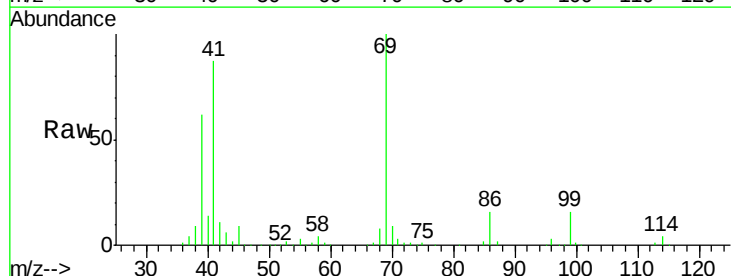
Manual Integrations
 APPROVED

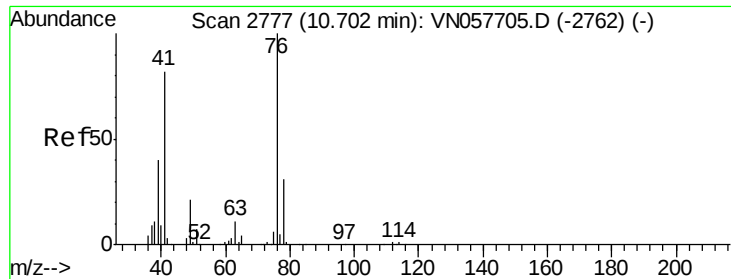
MMDadoda
 9/10/2019 9:57:16 AM



#56
 Ethyl methacrylate
 Concen: 51.946 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057739.D
 Acq: 7 Sep 2019 1:12

Tgt Ion:	69	Resp:	241505
Ion	Ratio	Lower	Upper
69	100		
41	83.7	69.0	103.4
39	61.3	49.2	73.8





#57

1,3-Dichloropropane

Concen: 50.007 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057739.D

Acq: 7 Sep 2019 1:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 261650

Ion Ratio Lower Upper

76 100

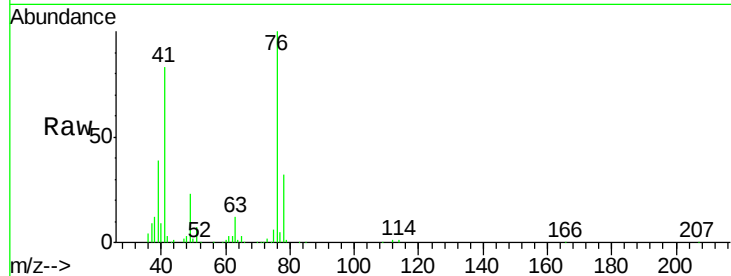
78 32.7 25.5 38.3

Manual Integrations

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9/10/2019 9:57:16 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

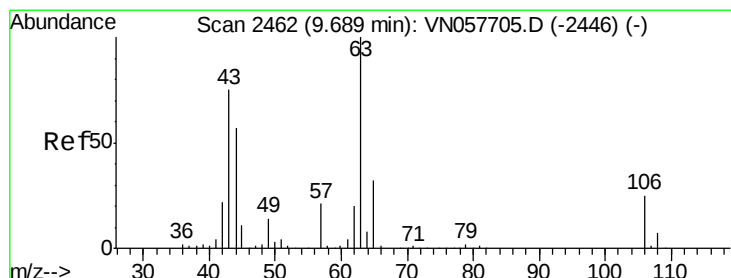
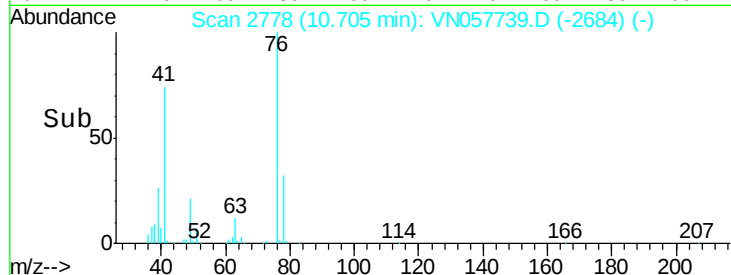
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 261.959 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057739.D

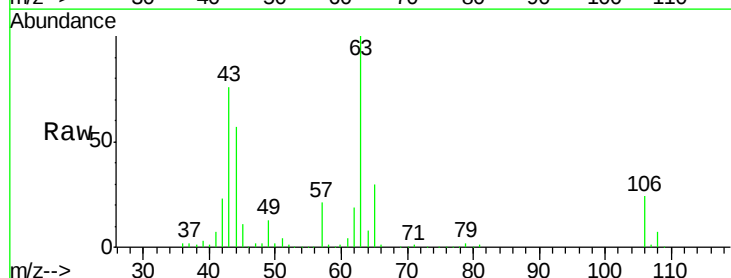
Acq: 7 Sep 2019 1:12

Tgt Ion: 63 Resp: 617885

Ion Ratio Lower Upper

63 100

106 24.1 19.4 29.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

400000

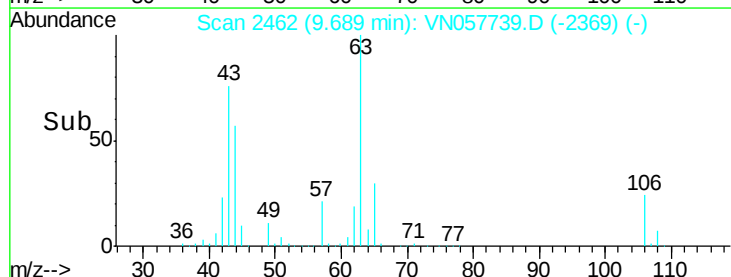
300000

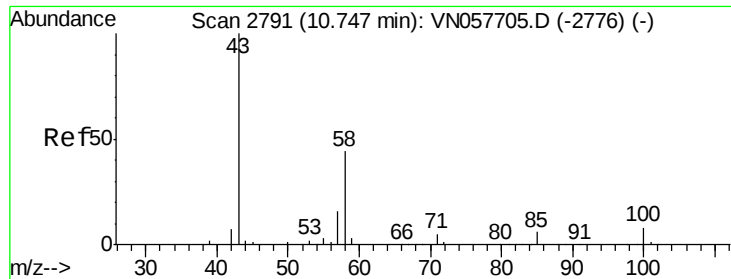
200000

100000

0

Time-->





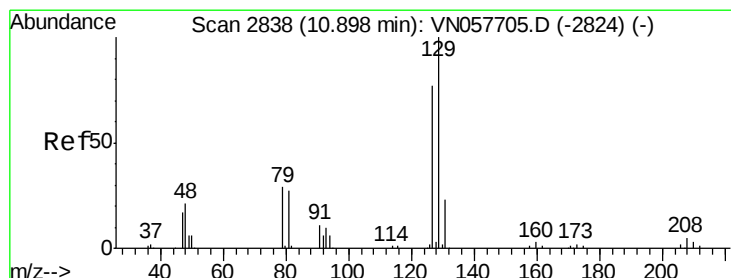
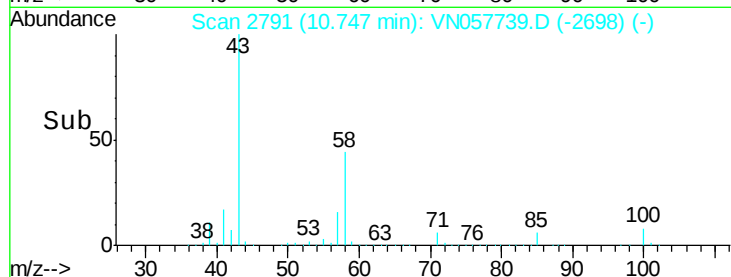
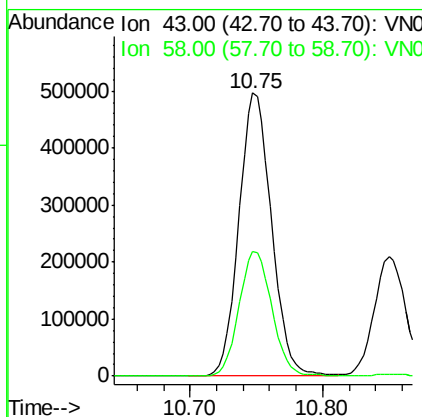
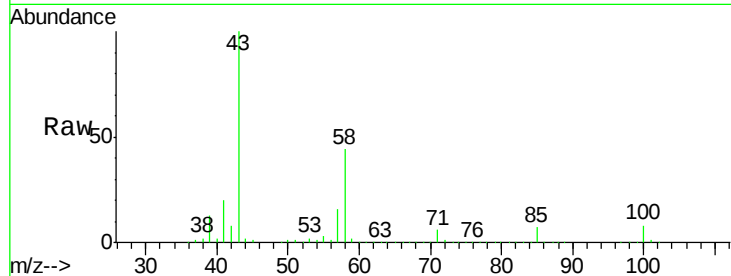
#59
2-Hexanone
Concen: 268.487 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057739.D
Acq: 7 Sep 2019 1:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 845920
Ion Ratio Lower Upper
43 100
58 44.7 22.1 66.5

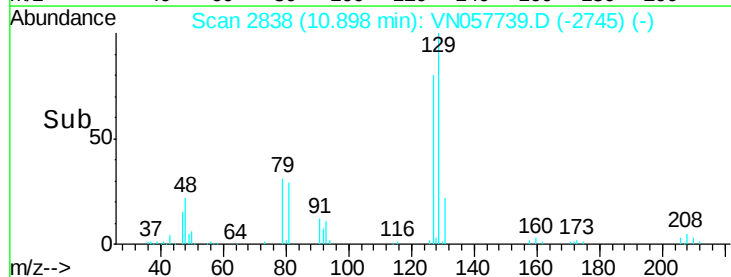
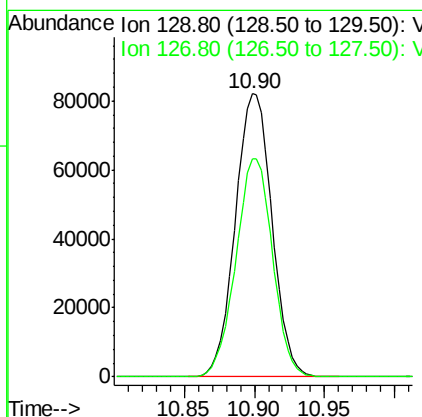
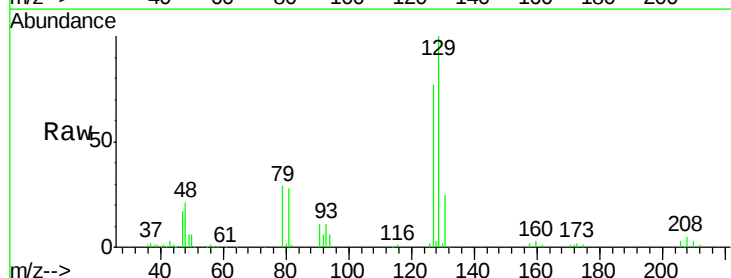
Manual Integrations
APPROVED

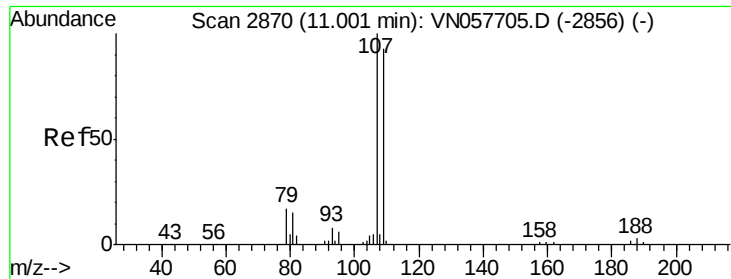
MMDadoda
9/10/2019 9:57:16 AM



#60
Dibromochloromethane
Concen: 47.729 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057739.D
Acq: 7 Sep 2019 1:12

Tgt Ion: 129 Resp: 149636
Ion Ratio Lower Upper
129 100
127 77.2 38.4 115.2





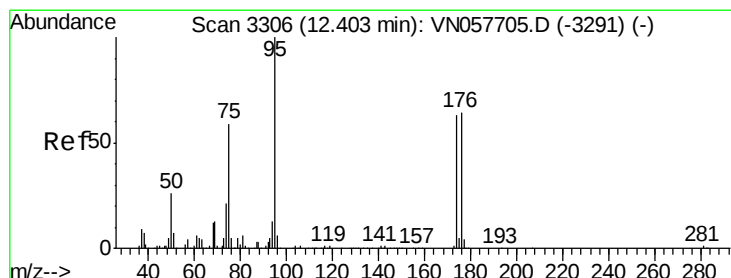
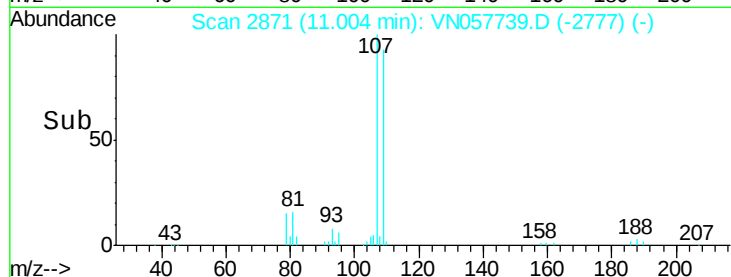
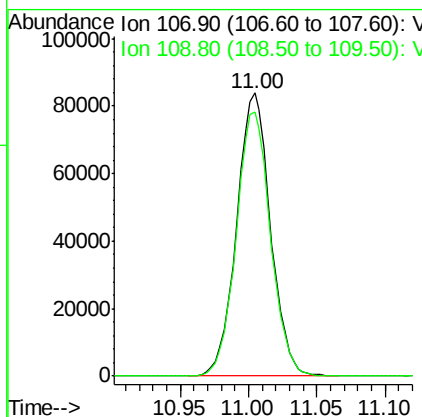
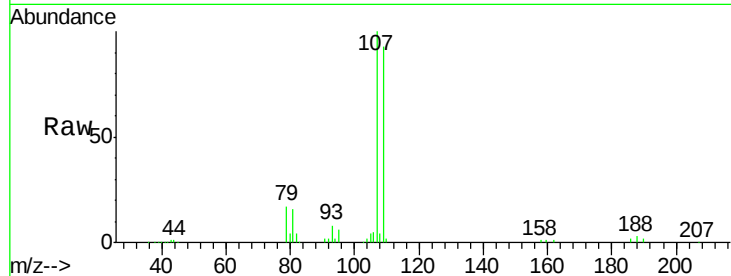
#61
 1,2-Dibromoethane
 Concen: 51.459 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057739.D
 Acq: 7 Sep 2019 1:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	74.6	112.0

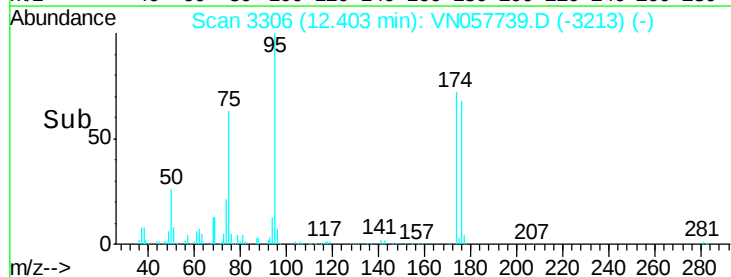
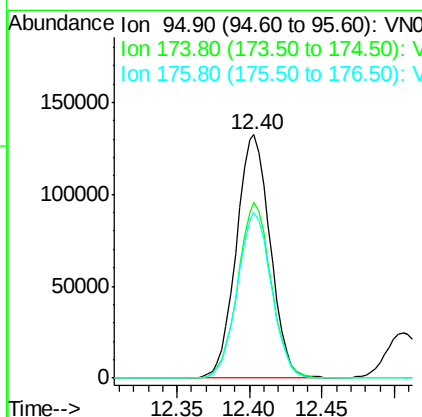
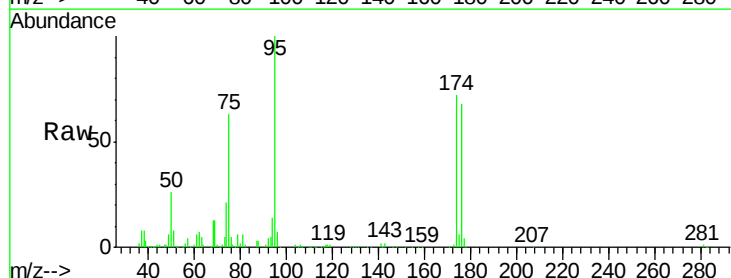
Manual Integrations
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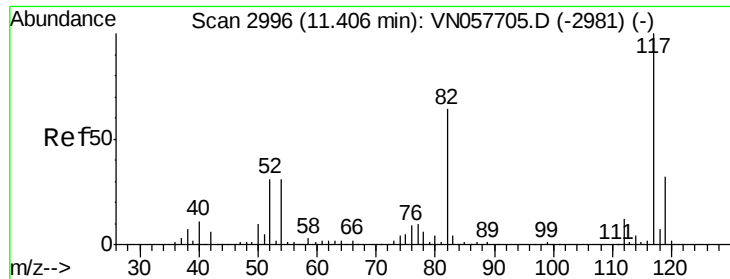
MMDadoda
 9/10/2019 9:57:16 AM



#62
 4-Bromofluorobenzene
 Concen: 48.462 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057739.D
 Acq: 7 Sep 2019 1:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.2	0.0	128.0
176	68.1	0.0	128.0





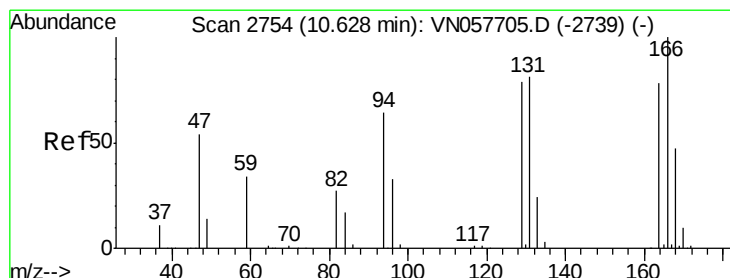
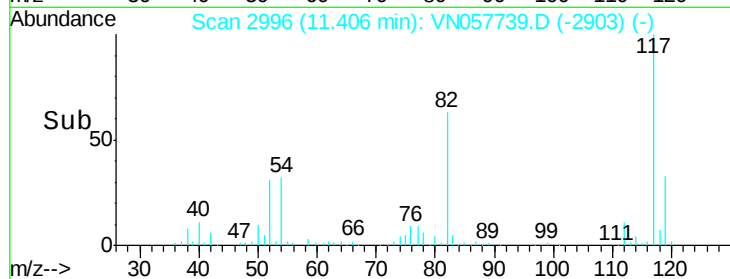
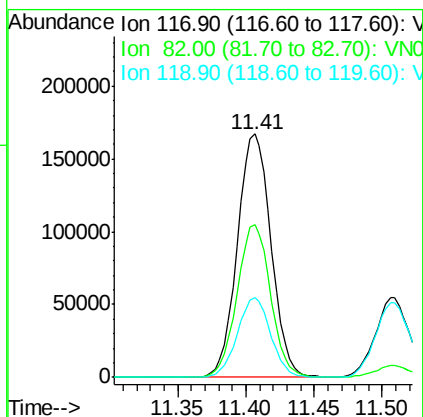
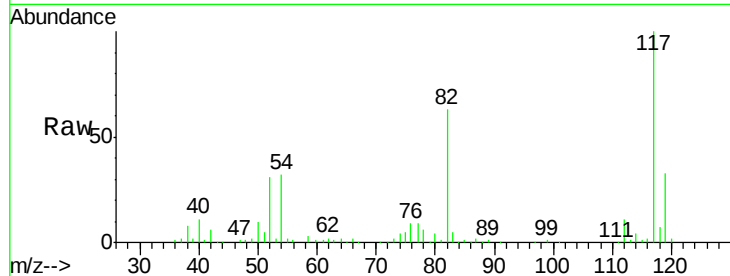
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057739.D
Acq: 7 Sep 2019 1:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.7	51.4	77.0
119	32.9	25.4	38.2

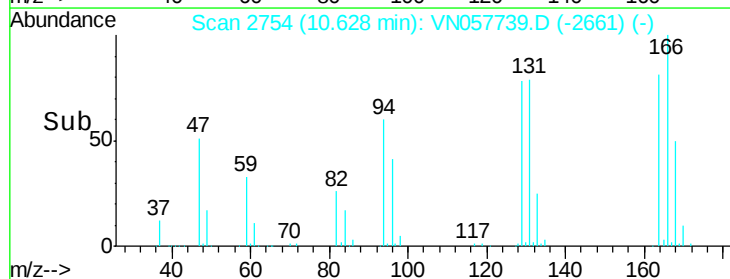
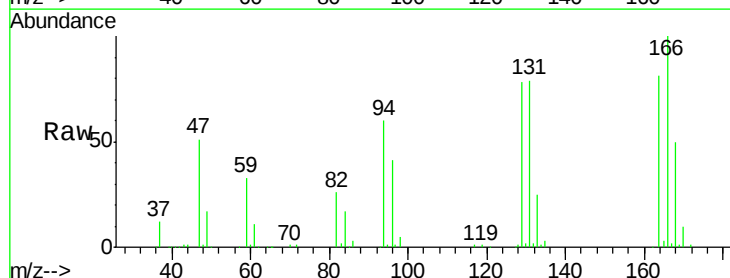
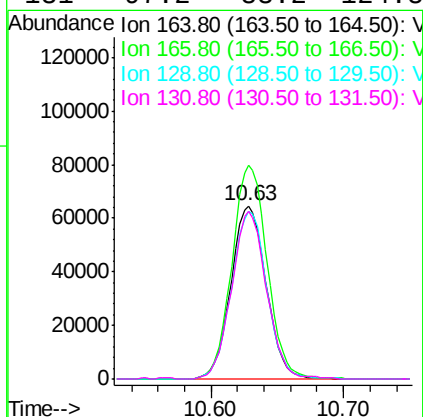
Manual Integrations
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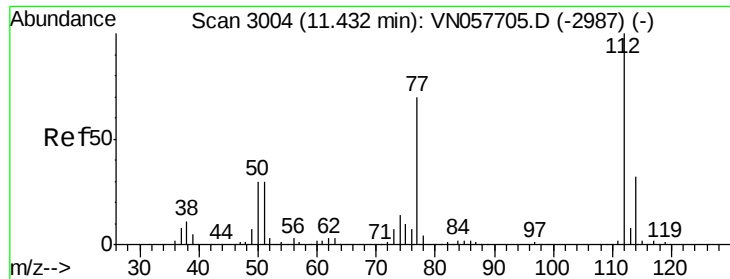
MMDadoda
9/10/2019 9:57:16 AM



#64
Tetrachloroethene
Concen: 53.295 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057739.D
Acq: 7 Sep 2019 1:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.4	103.0	154.6
129	96.6	81.1	121.7
131	97.2	83.2	124.8





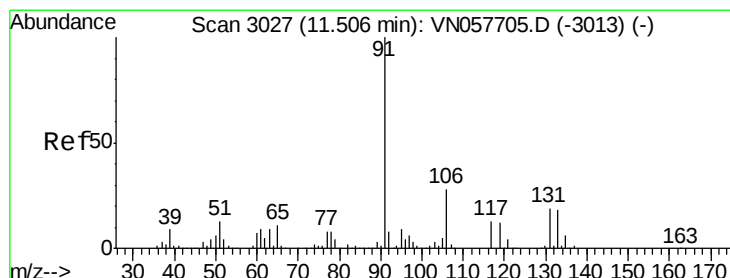
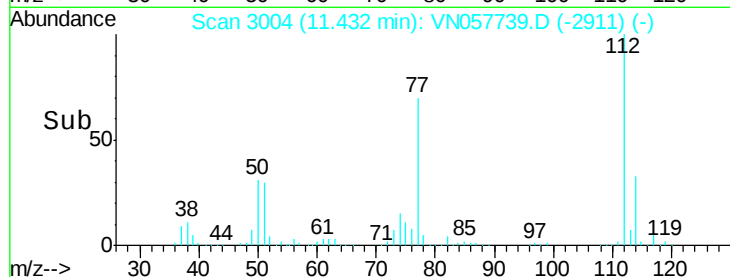
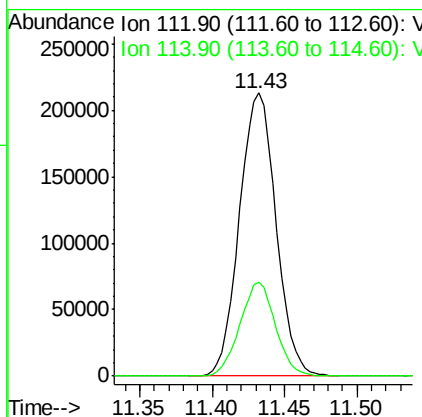
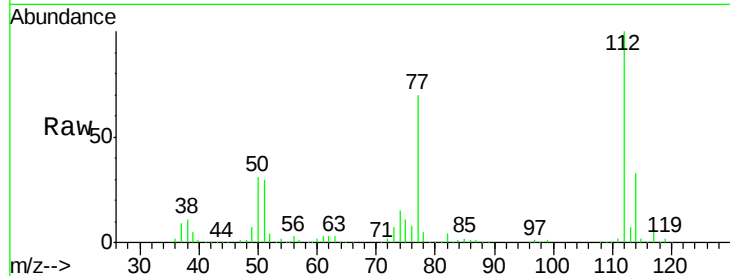
#65
Chlorobenzene
Concen: 49.989 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057739.D
Acq: 7 Sep 2019 1:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 373938
Ion Ratio Lower Upper
112 100
114 33.3 25.8 38.8

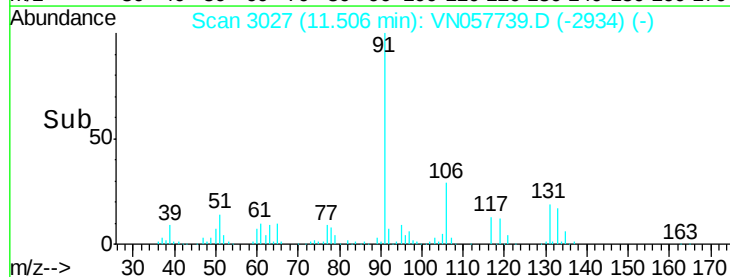
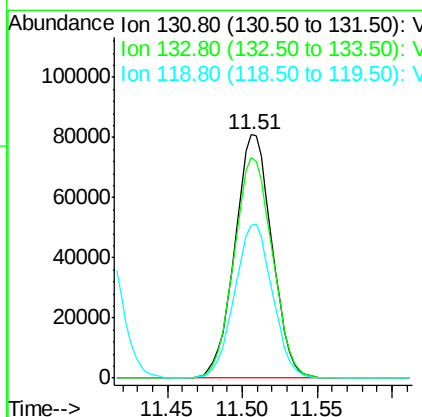
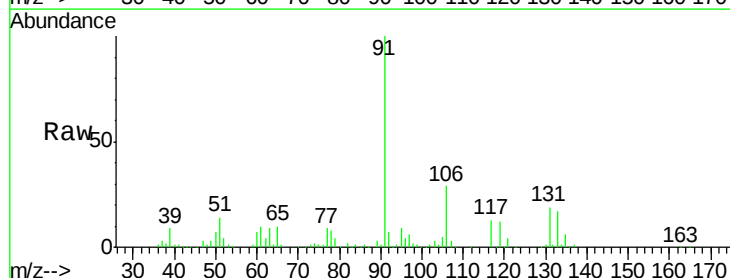
Manual Integrations
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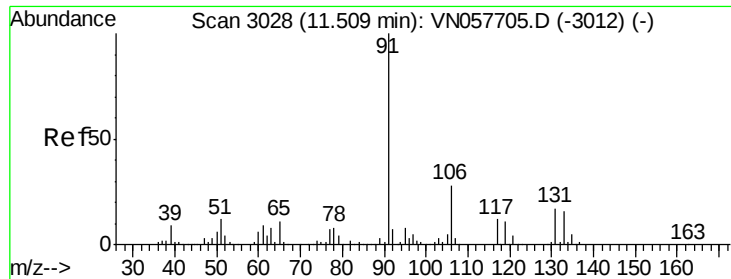
MMDadoda
9/10/2019 9:57:16 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.801 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057739.D
Acq: 7 Sep 2019 1:12

Tgt Ion:131 Resp: 140036
Ion Ratio Lower Upper
131 100
133 93.5 47.6 142.9
119 64.4 32.8 98.3





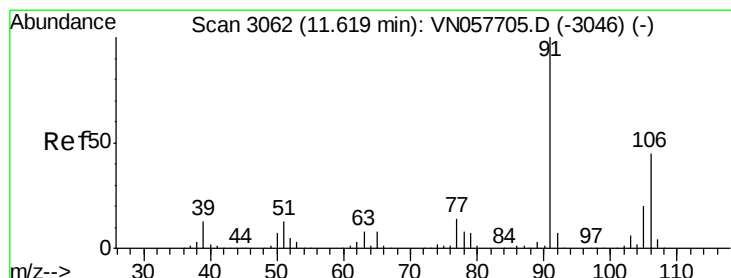
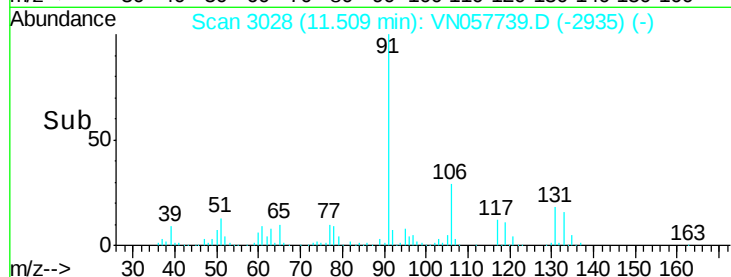
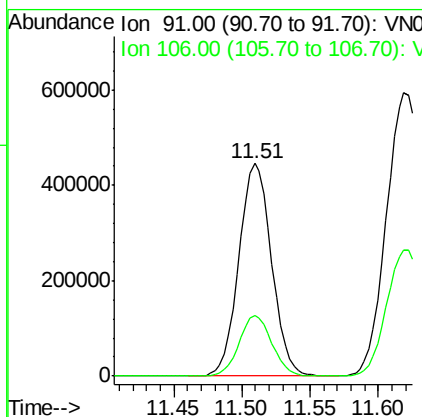
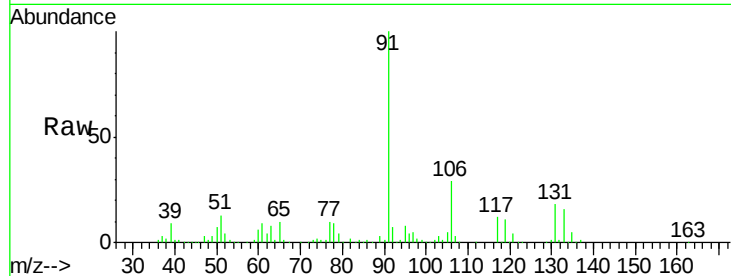
#67
Ethyl Benzene
Concen: 51.412 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057739.D
Acq: 7 Sep 2019 1:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 742015
Ion Ratio Lower Upper
91 100
106 28.7 22.8 34.2

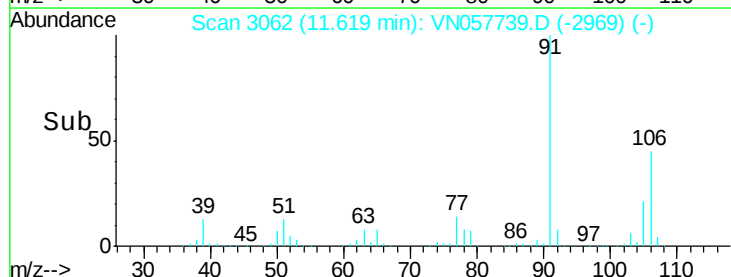
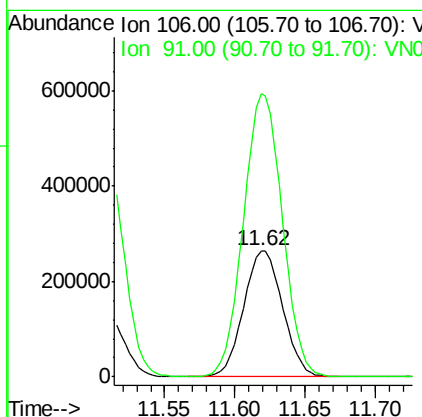
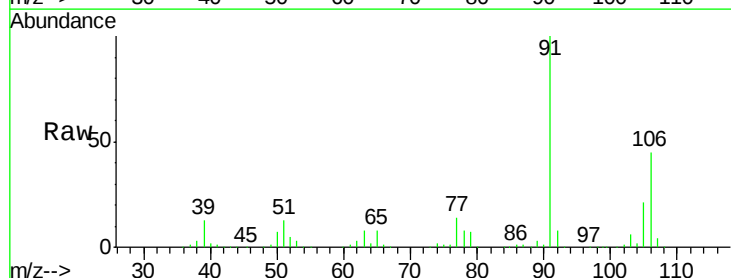
Manual Integrations
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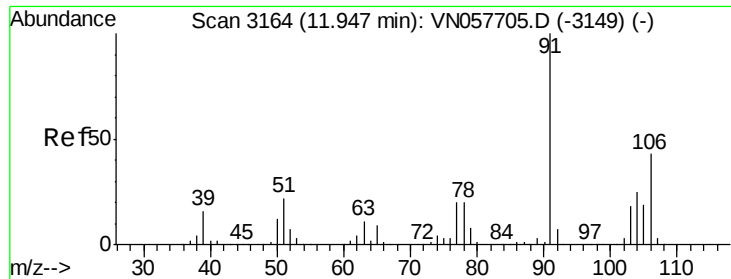
MMDadoda
9/10/2019 9:57:16 AM



#68
m/p-Xylenes
Concen: 102.885 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057739.D
Acq: 7 Sep 2019 1:12

Tgt Ion: 106 Resp: 511444
Ion Ratio Lower Upper
106 100
91 224.3 179.8 269.8





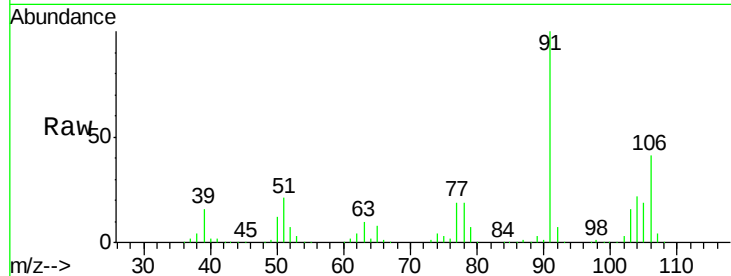
#69
o-Xylene
Concen: 51.006 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057739.D
Acq: 7 Sep 2019 1:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

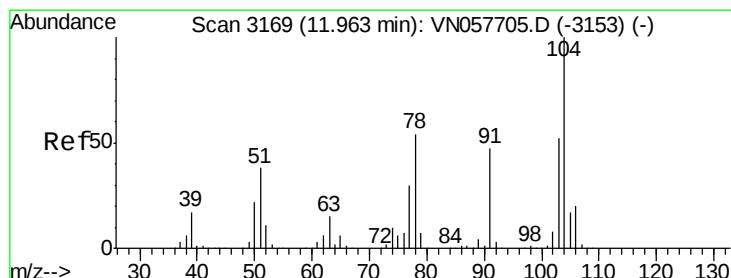
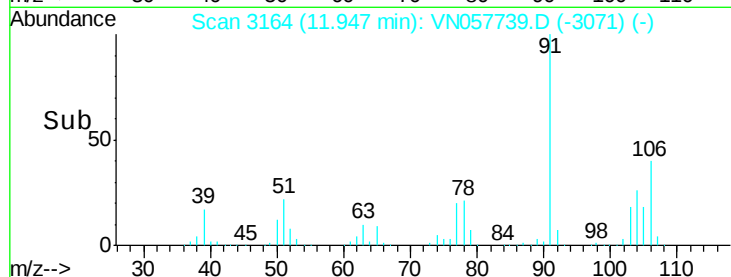
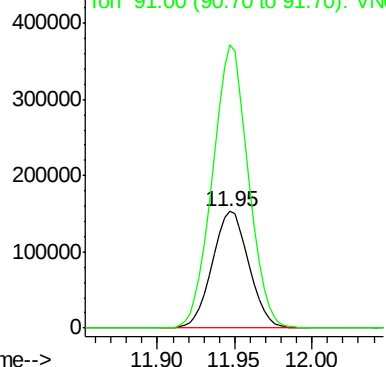
Tot Ion:106 Resp: 251066
Ion Ratio Lower Upper
106 100
91 239.2 116.8 350.4

Manual Integrations
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9/10/2019 9:57:16 AM

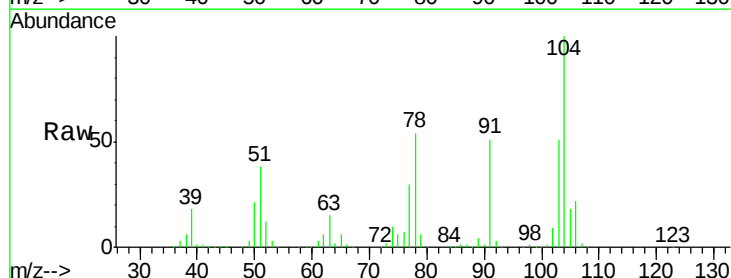


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

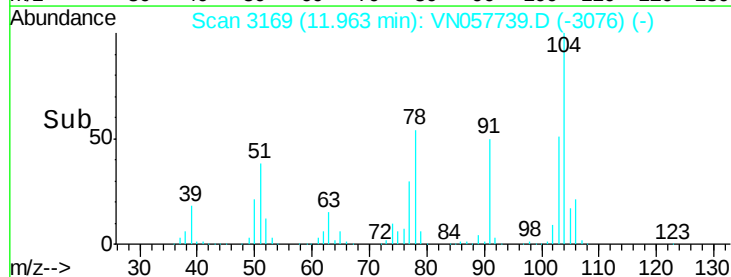
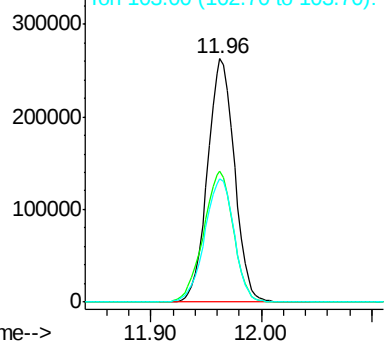


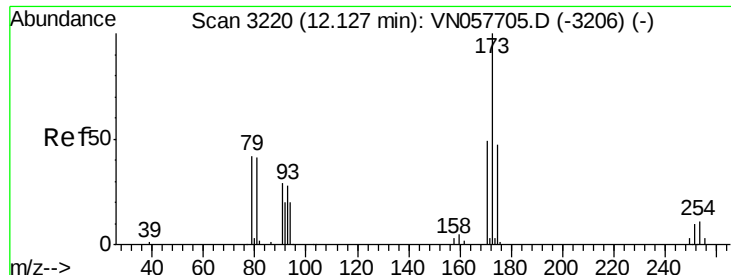
#70
Styrene
Concen: 52.274 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057739.D
Acq: 7 Sep 2019 1:12

Tgt Ion:104 Resp: 445221
Ion Ratio Lower Upper
104 100
78 59.5 48.5 72.7
103 55.3 45.0 67.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





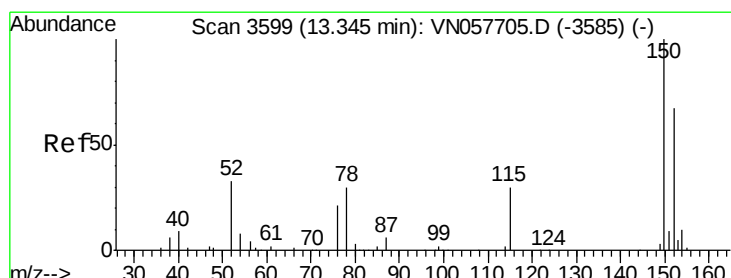
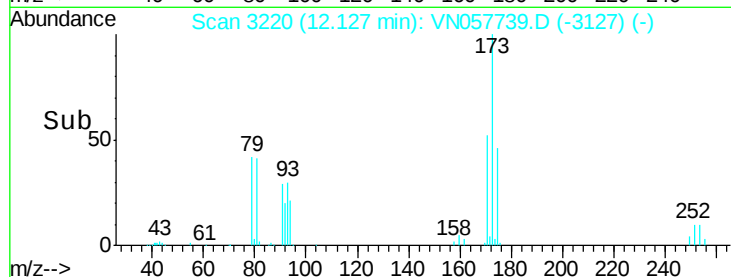
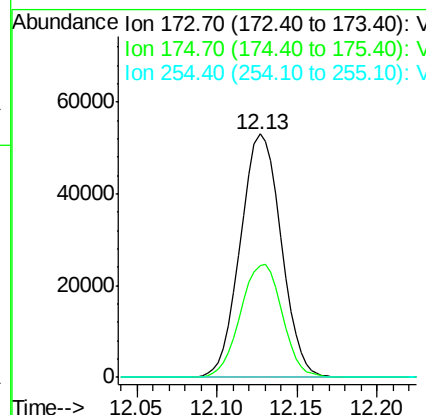
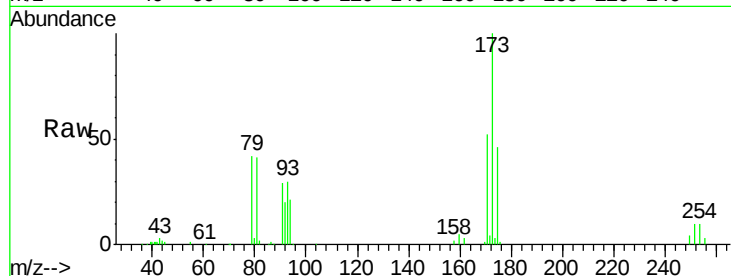
#71
Bromoform
Concen: 47.581 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057739.D
Acq: 7 Sep 2019 1:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.6	73.8
254	0.1	0.0	0.0

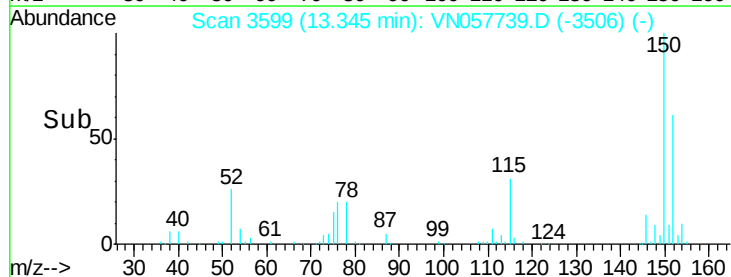
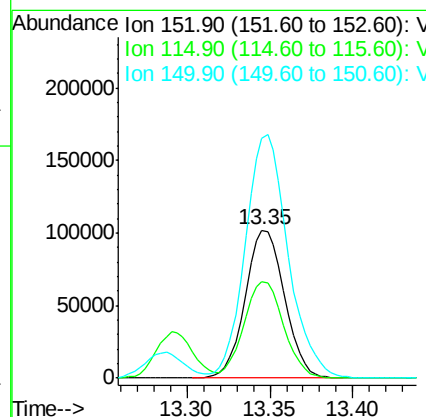
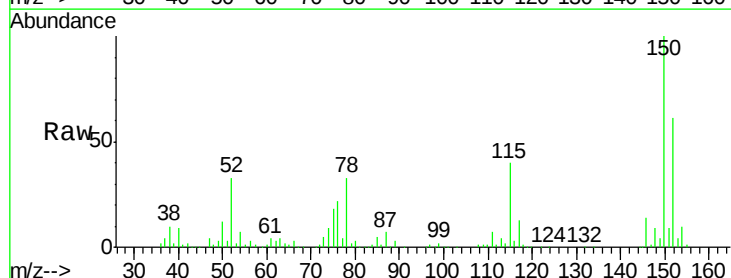
Manual Integrations
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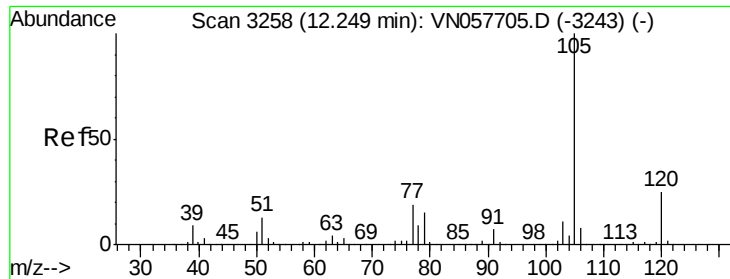
MMDadoda
9/10/2019 9:57:16 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN057739.D
Acq: 7 Sep 2019 1:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.2	33.8	101.3
150	179.4	0.0	345.4





#73

Isopropylbenzene

Concen: 48.713 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057739.D

Acq: 7 Sep 2019 1:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 723220

Ion Ratio Lower Upper

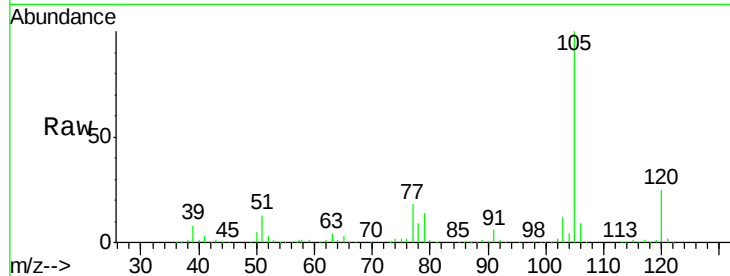
105 100

120 24.1 12.2 36.6

Manual Integrations
APPROVED

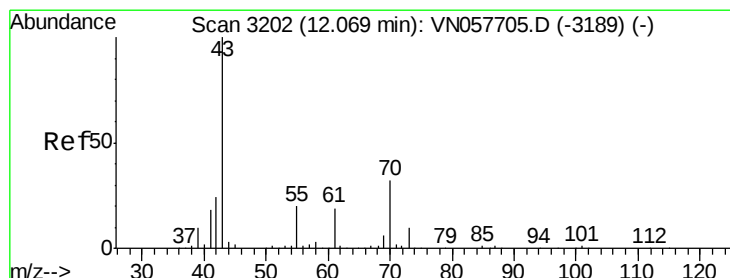
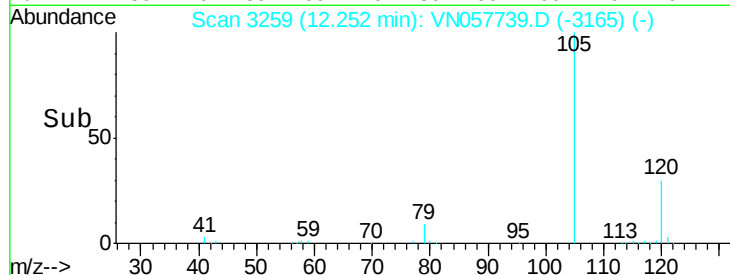
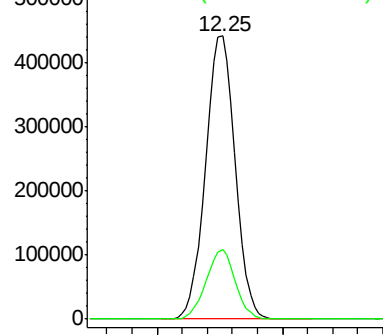
MMDadoda

9/10/2019 9:57:16 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.949 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057739.D

Acq: 7 Sep 2019 1:12

Tgt Ion: 43 Resp: 363029

Ion Ratio Lower Upper

43 100

70 32.3 26.1 39.1

55 21.3 16.3 24.5

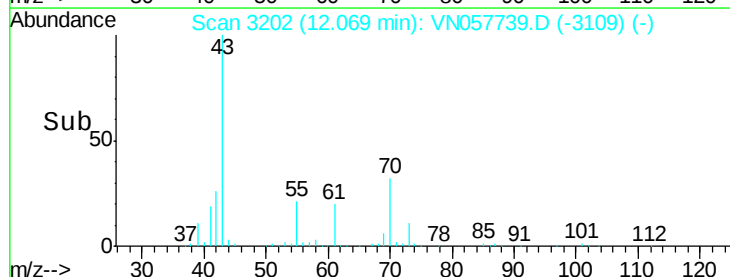
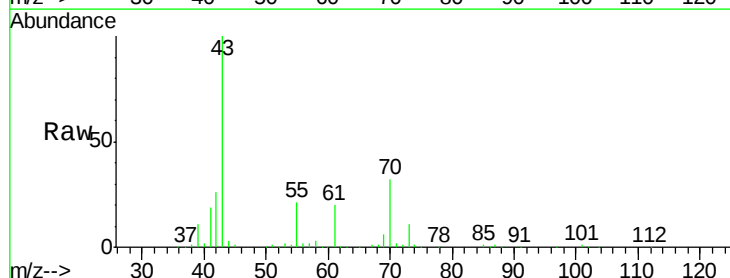
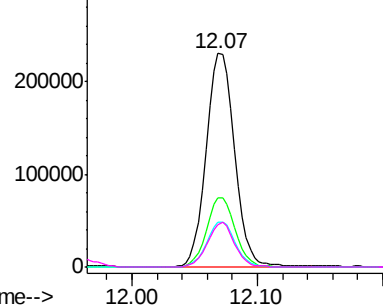
61 19.9 15.0 22.4

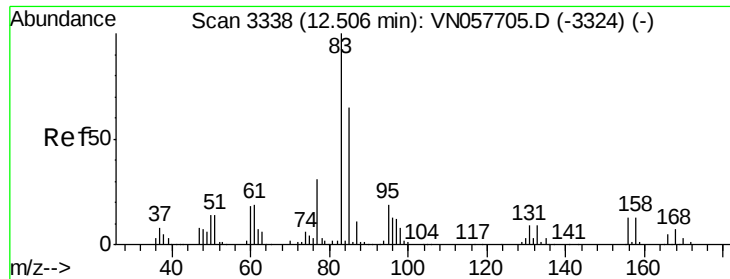
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 50.025 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057739.D

Acq: 7 Sep 2019 1:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 222707

Ion Ratio Lower Upper

83 100

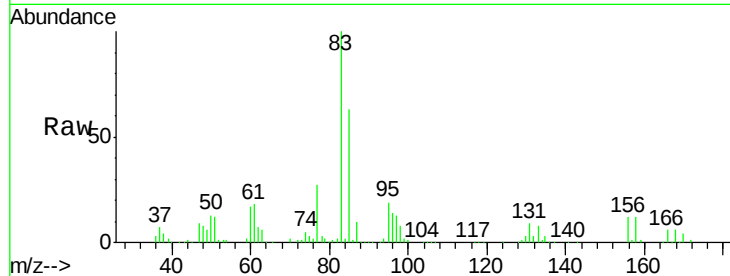
131 10.0 4.5 13.5

85 63.7 31.8 95.3

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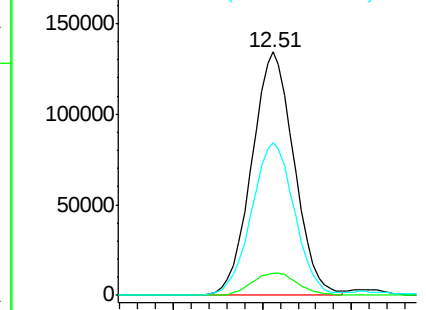
9/10/2019 9:57:16 AM



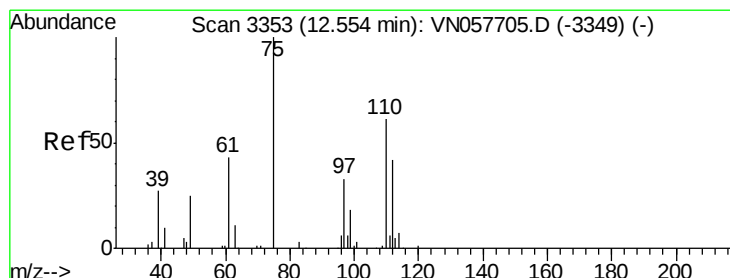
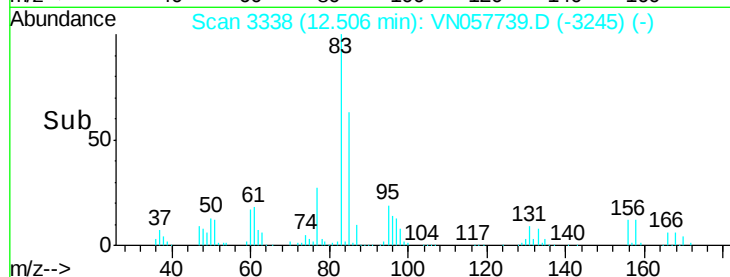
Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



Time-->



#76

1,2,3-Trichloropropane

Concen: 47.597 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057739.D

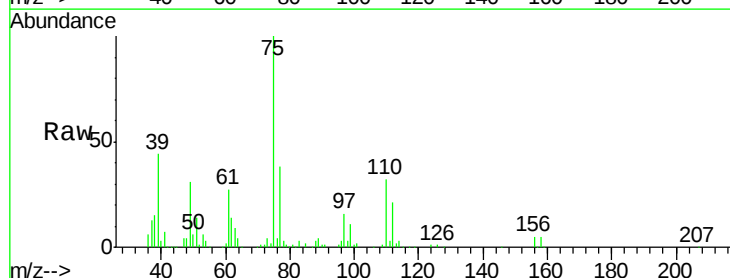
Acq: 7 Sep 2019 1:12

Tgt Ion: 75 Resp: 183547

Ion Ratio Lower Upper

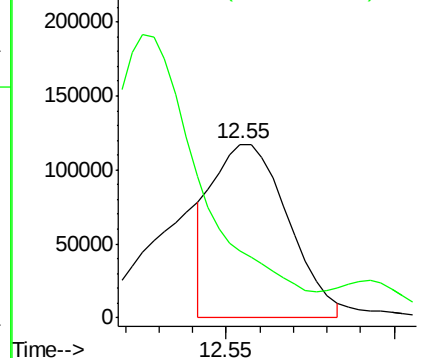
75 100

77 0.0 0.0 0.0

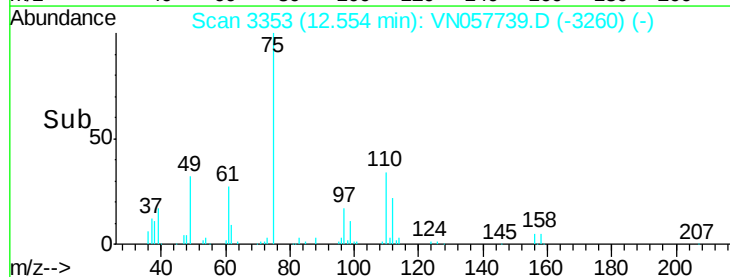


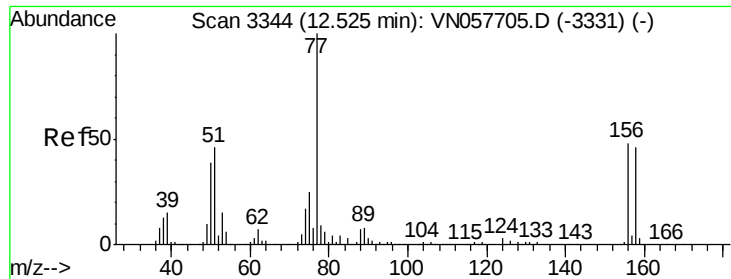
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



Time-->





#77

Bromobenzene

Concen: 51.260 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057739.D

Acq: 7 Sep 2019 1:12

Instrument :

MSVOA_N

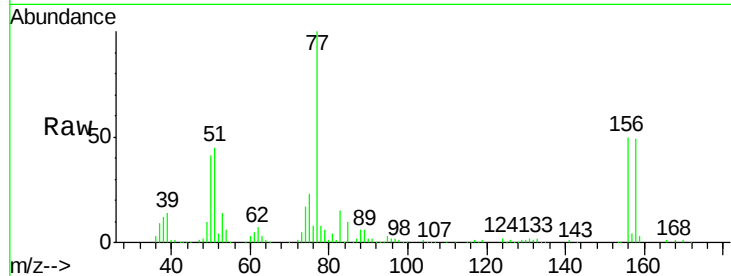
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	165334
Ion Ratio	Lower	Upper	
156	100		
77	236.6	125.4	376.2
158	96.6	49.3	147.9

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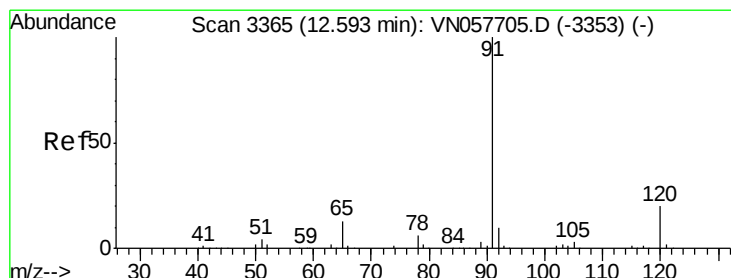
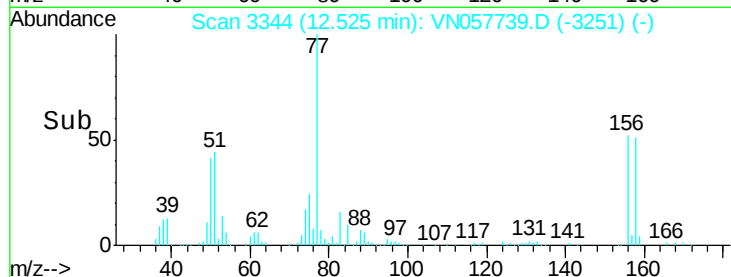
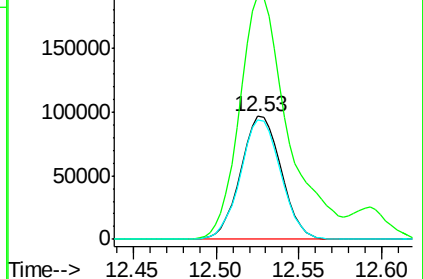
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.810 ug/l

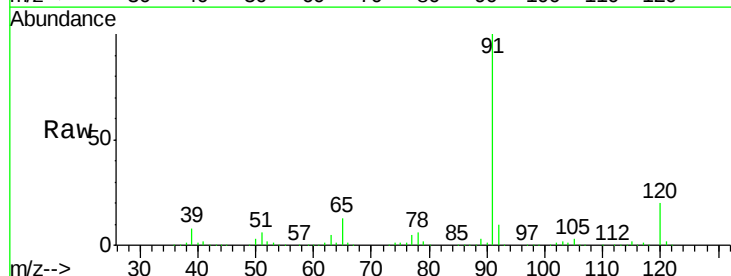
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057739.D

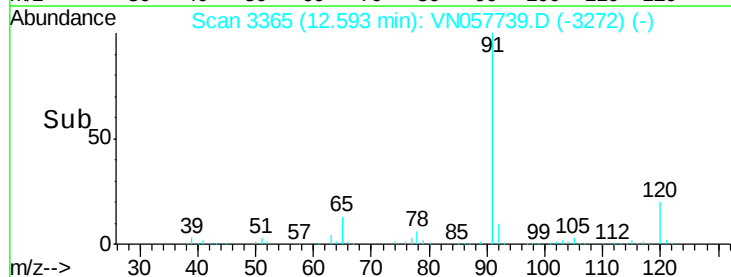
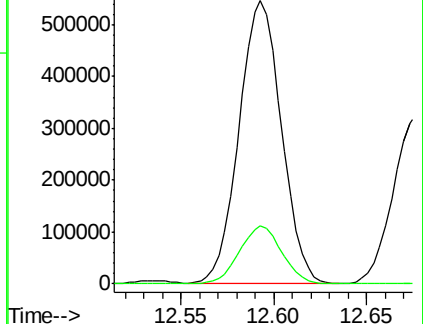
Acq: 7 Sep 2019 1:12

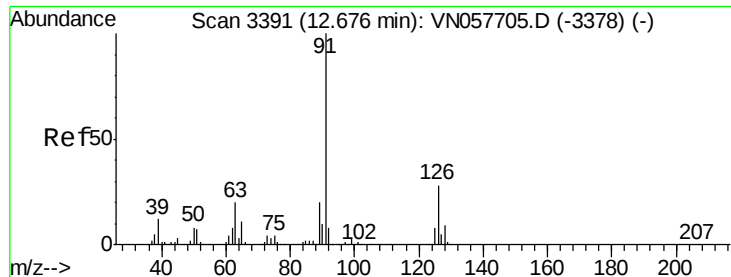
Tgt Ion:	91	Resp:	860946
Ion Ratio	Lower	Upper	
91	100		
120	20.6	10.0	30.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.401 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057739.D

Acq: 7 Sep 2019 1:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 519732

Ion Ratio Lower Upper

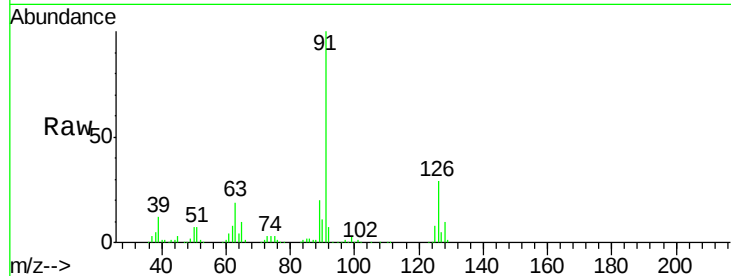
91 100

126 29.9 14.5 43.5

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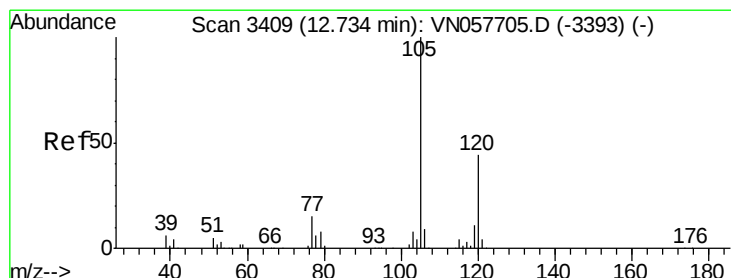
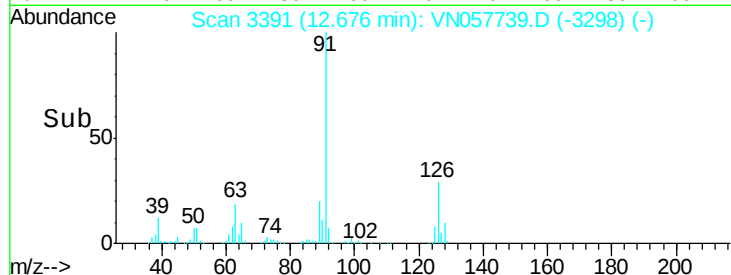
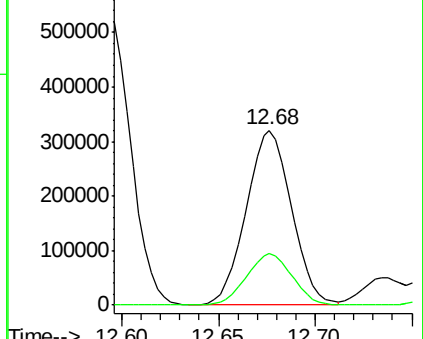
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Abundance Ion 91.00 (90.70 to 91.70): VN057739.D (-3298) (-)

Ion 125.90 (125.60 to 126.60): VN057739.D (-3298) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.928 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057739.D

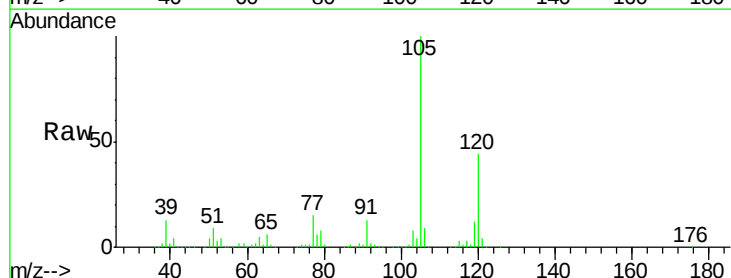
Acq: 7 Sep 2019 1:12

Tgt Ion: 105 Resp: 617074

Ion Ratio Lower Upper

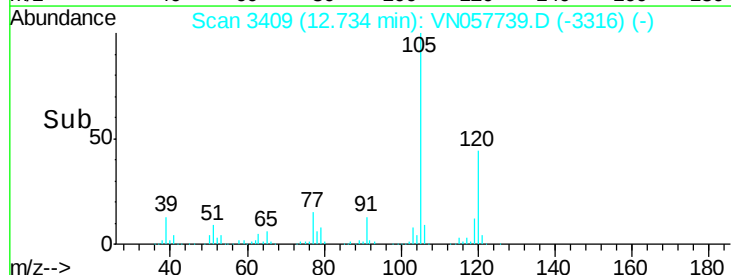
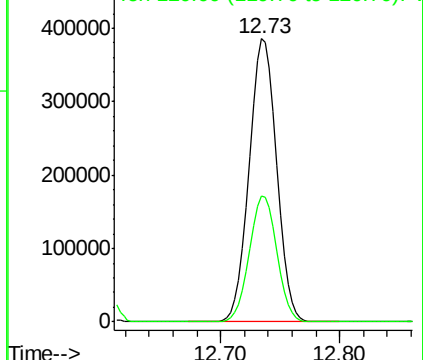
105 100

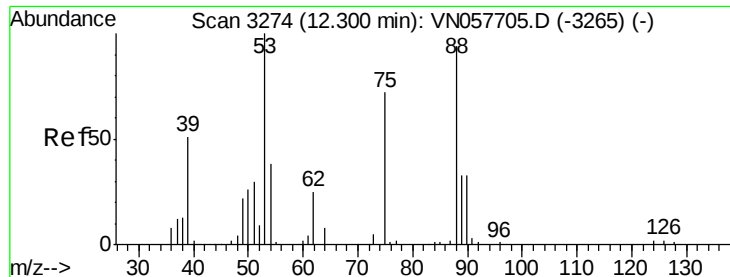
120 44.5 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): VN057739.D (-3316) (-)

Ion 120.00 (119.70 to 120.70): VN057739.D (-3316) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 43.802 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057739.D

Acq: 7 Sep 2019 1:12

Instrument :

MSVOA_N

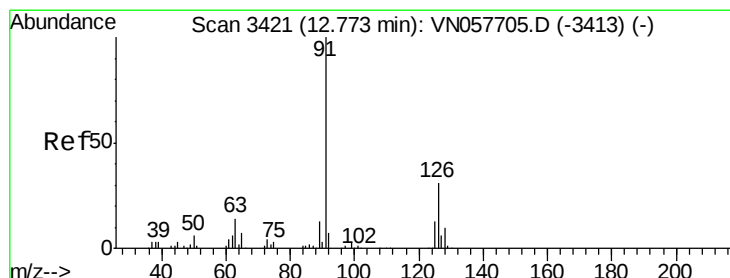
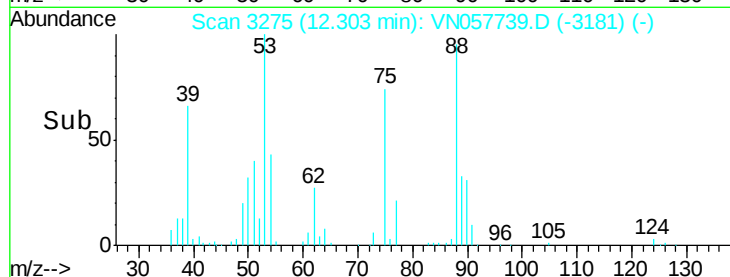
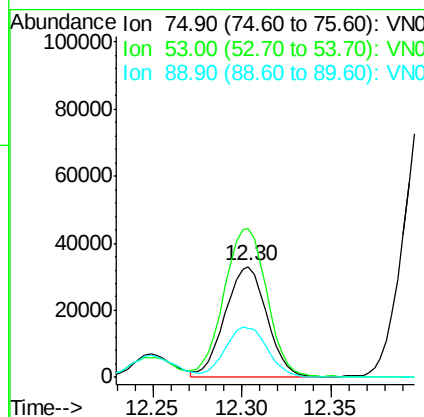
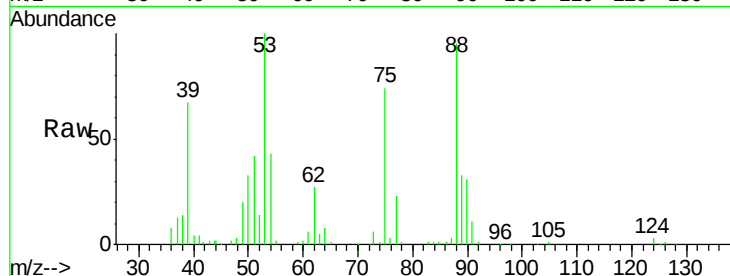
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	54313
Ion Ratio	Lower	Upper	
75	100		
53	135.1	107.0	160.6
89	45.9	36.5	54.7

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#82

4-Chlorotoluene

Concen: 48.865 ug/l

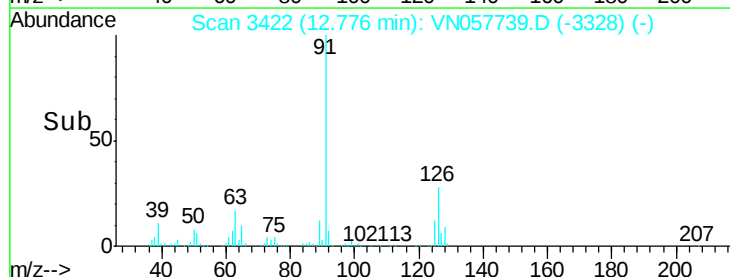
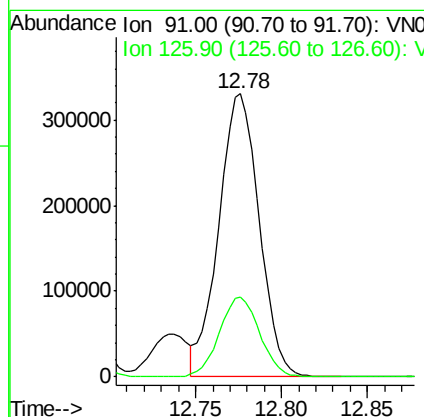
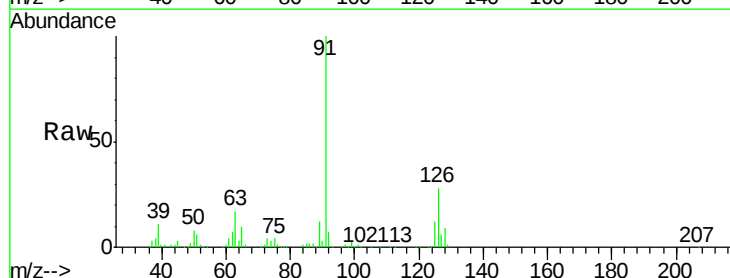
RT: 12.78 min Scan# 3422

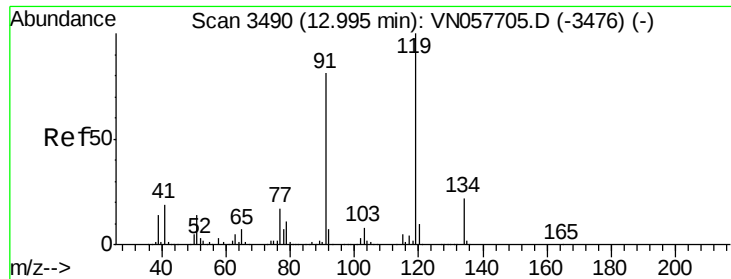
Delta R.T. 0.00 min

Lab File: VN057739.D

Acq: 7 Sep 2019 1:12

Tgt Ion:	91	Resp:	540408
Ion Ratio	Lower	Upper	
91	100		
126	28.2	14.4	43.4





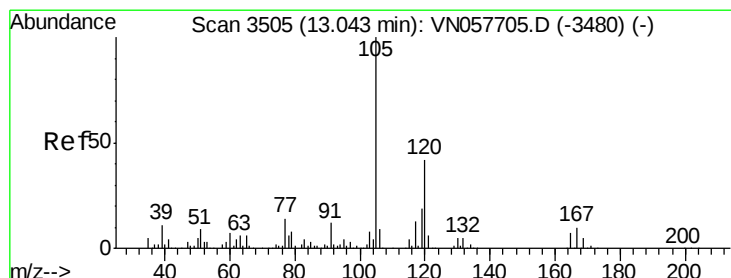
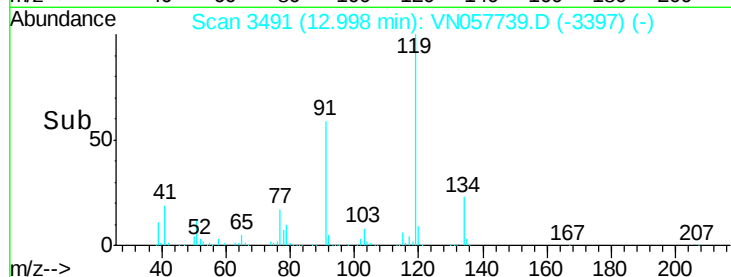
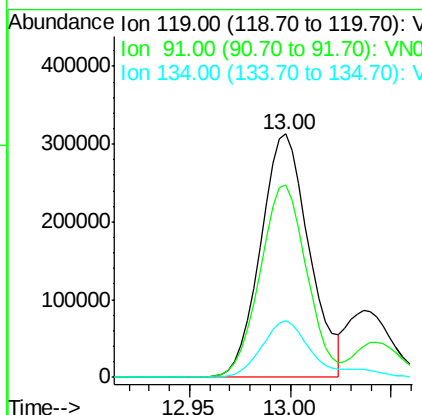
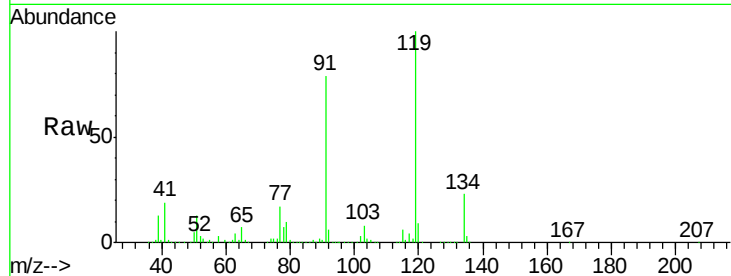
#83
tert-Butylbenzene
Concen: 49.290 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN057739.D
Acq: 7 Sep 2019 1:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	76.2	39.6	118.8
134	22.8	11.3	33.8

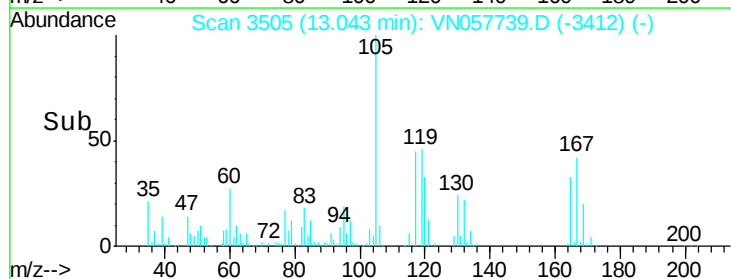
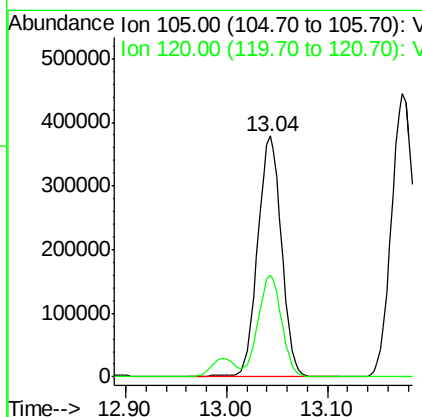
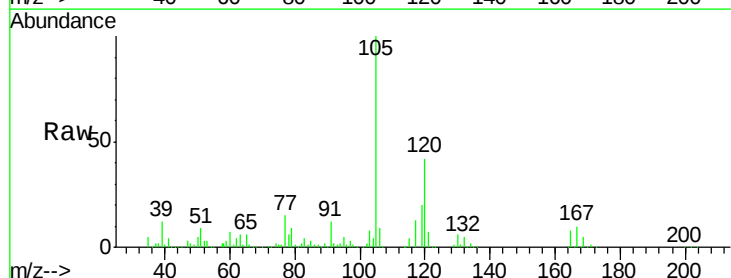
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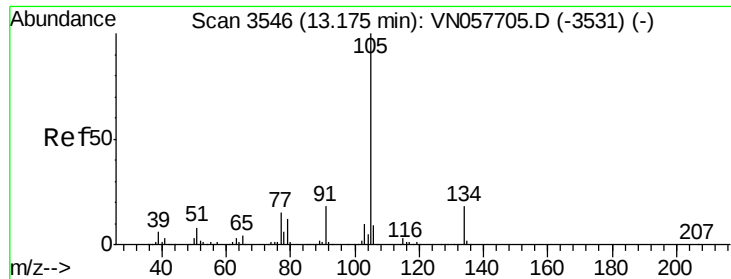
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#84
1,2,4-Trimethylbenzene
Concen: 49.329 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN057739.D
Acq: 7 Sep 2019 1:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	41.6	20.8	62.5





#85

sec-Butylbenzene

Concen: 48.446 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057739.D

Acq: 7 Sep 2019 1:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 709614

Ion Ratio Lower Upper

105 100

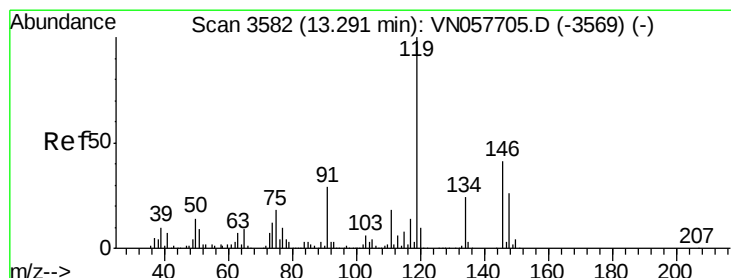
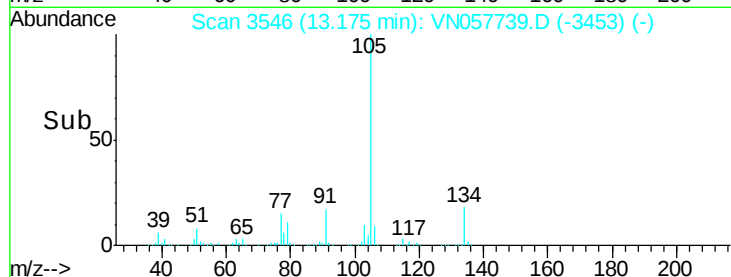
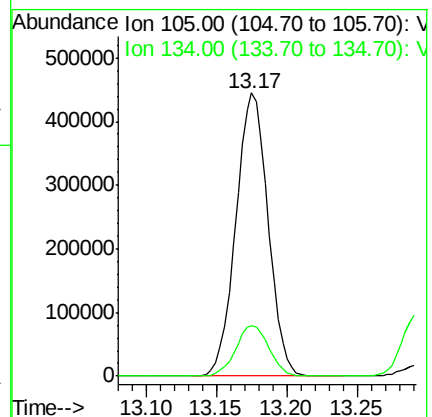
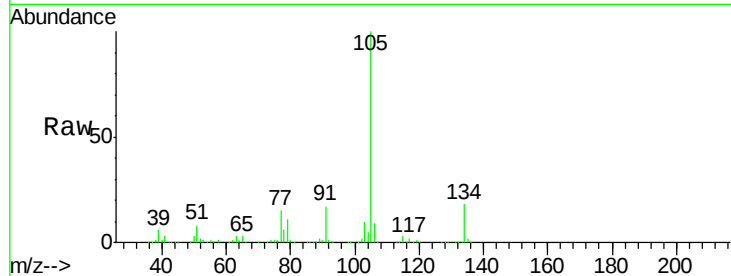
134 18.4 8.8 26.5

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#86

p-Isopropyltoluene

Concen: 50.111 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN057739.D

Acq: 7 Sep 2019 1:12

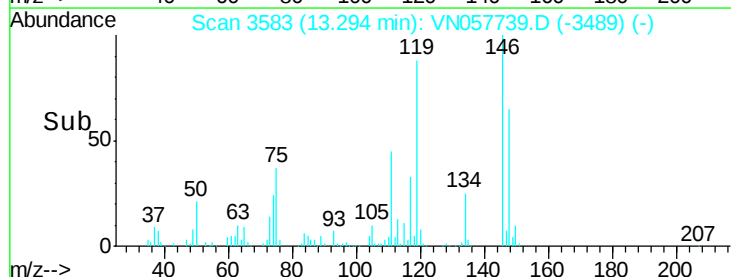
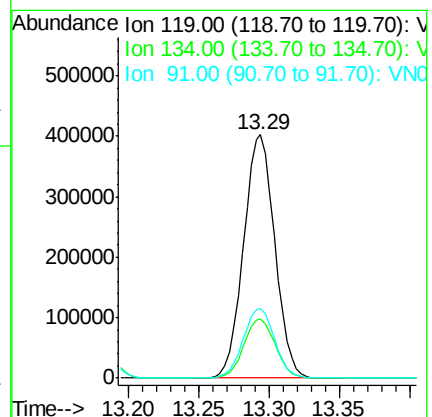
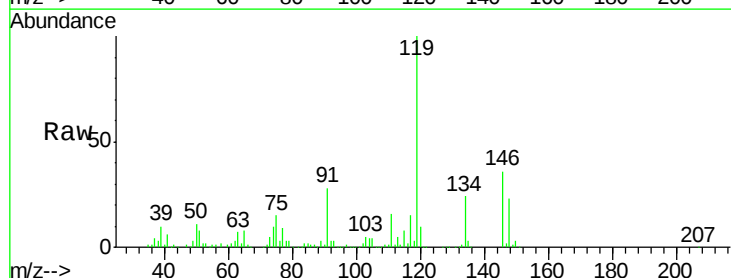
Tgt Ion:119 Resp: 622059

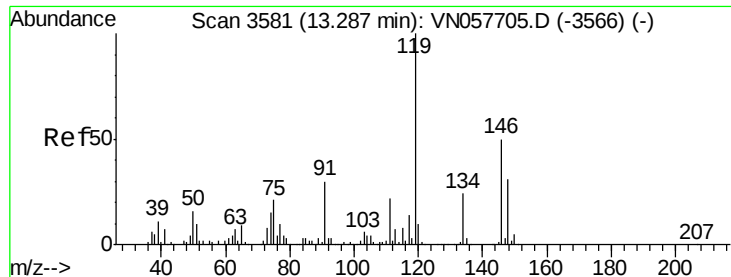
Ion Ratio Lower Upper

119 100

134 24.6 12.4 37.0

91 28.7 14.8 44.3





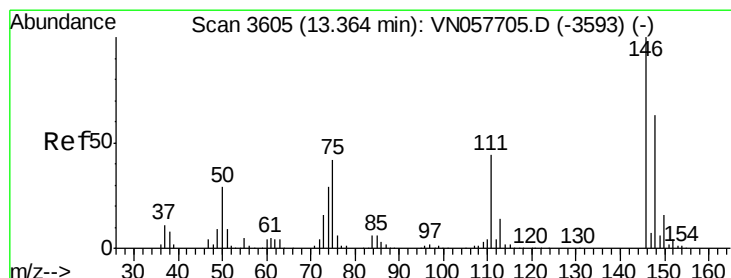
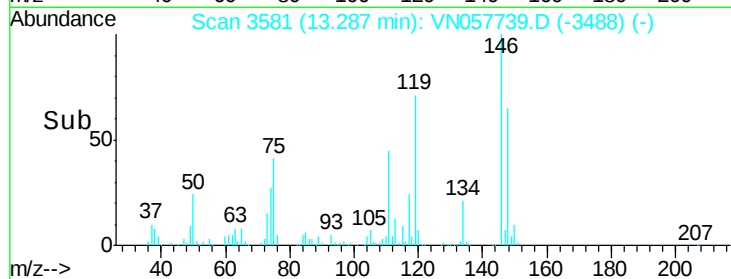
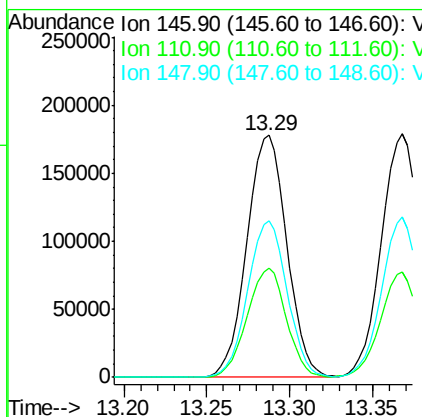
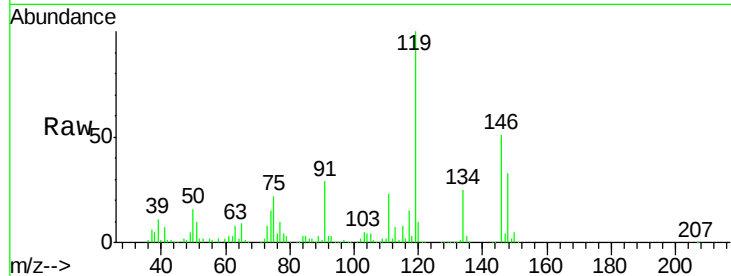
#87
 1,3-Dichlorobenzene
 Concen: 49.462 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057739.D
 Acq: 7 Sep 2019 1:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	298245		
111	44.2	22.3	66.8	
148	63.7	31.5	94.5	

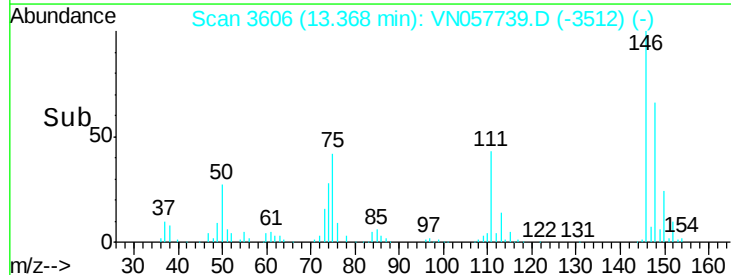
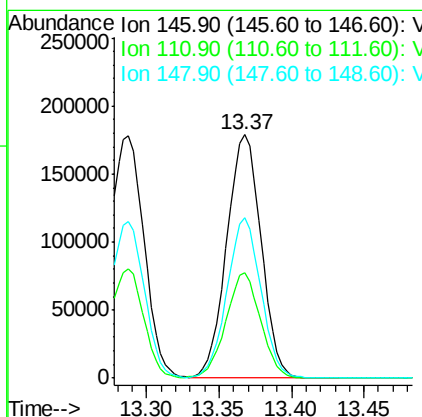
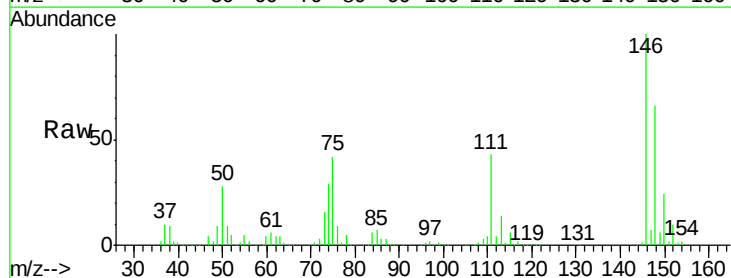
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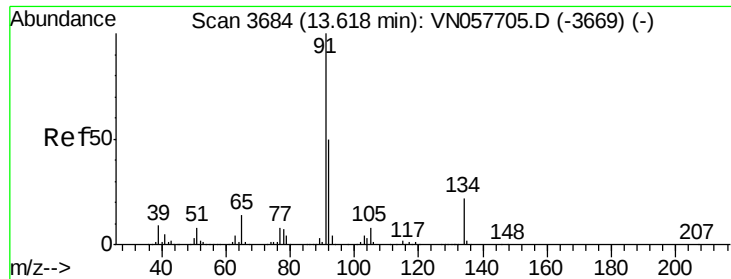
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#88
 1,4-Dichlorobenzene
 Concen: 48.730 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057739.D
 Acq: 7 Sep 2019 1:12

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	293938		
111	43.2	22.3	66.9	
148	65.0	31.9	95.7	





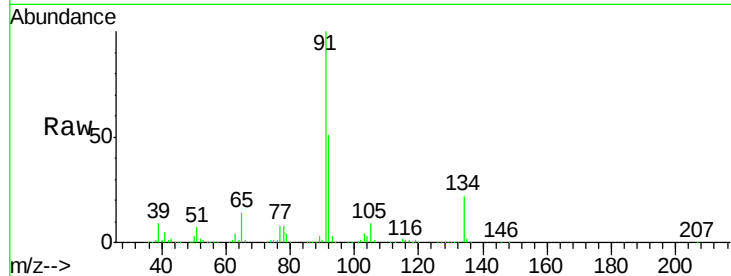
#89
n-Butylbenzene
Concen: 47.694 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057739.D
Acq: 7 Sep 2019 1:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

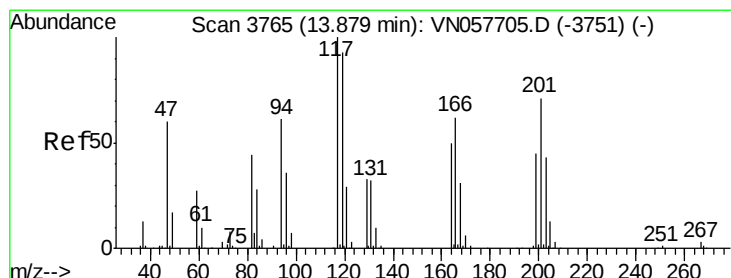
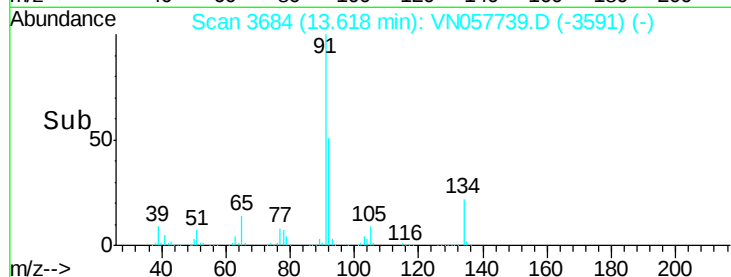
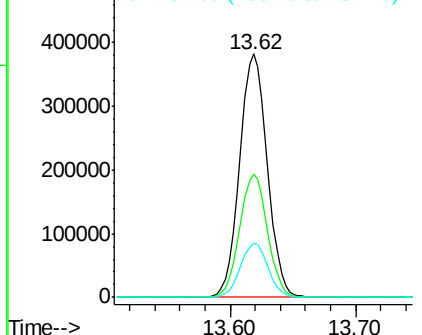
Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	50.8	25.6	76.8	
134	22.5	11.2	33.5	

Manual Integrations
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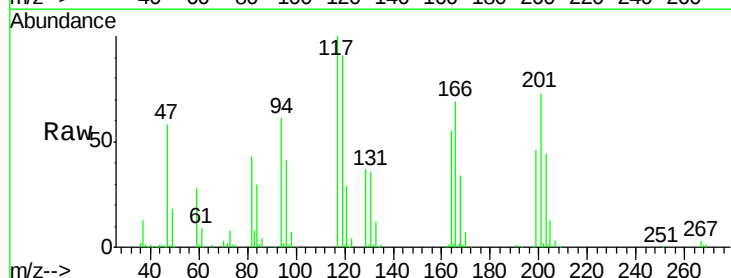


Abundance Ion 91.00 (90.70 to 91.70): VN057739.D (-3672) (-)
Ion 92.00 (91.70 to 92.70): VN057739.D (-3672) (-)
Ion 134.00 (133.70 to 134.70): VN057739.D (-3672) (-)

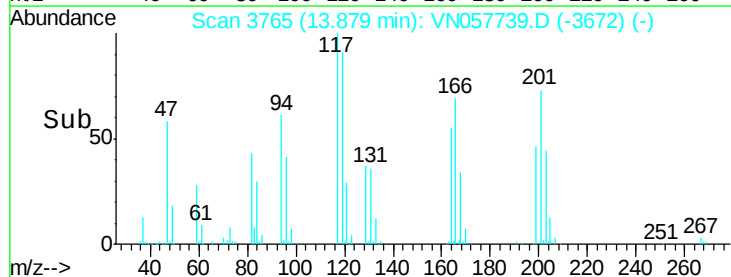
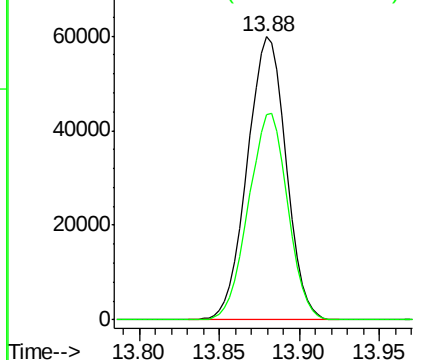


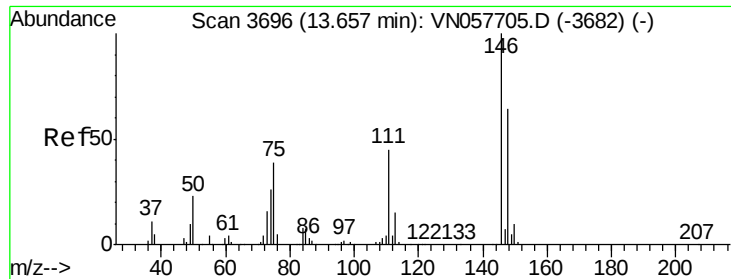
#90
Hexachloroethane
Concen: 51.081 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057739.D
Acq: 7 Sep 2019 1:12

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	73.8	36.4	109.2	



Abundance Ion 116.80 (116.50 to 117.50): VN057739.D (-3672) (-)
Ion 200.70 (200.40 to 201.40): VN057739.D (-3672) (-)





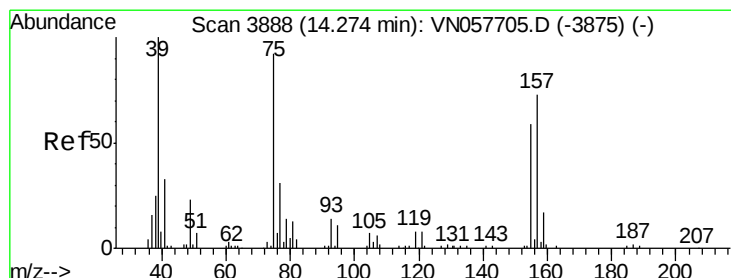
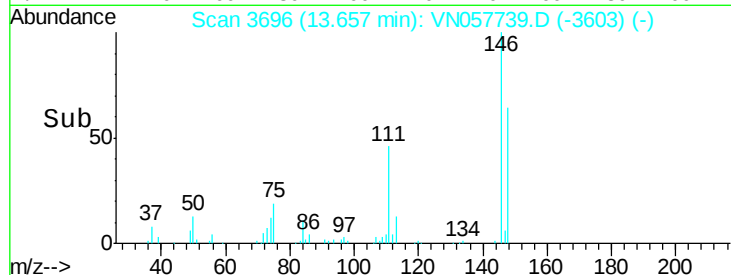
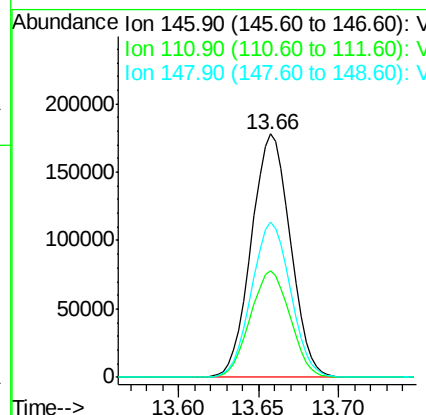
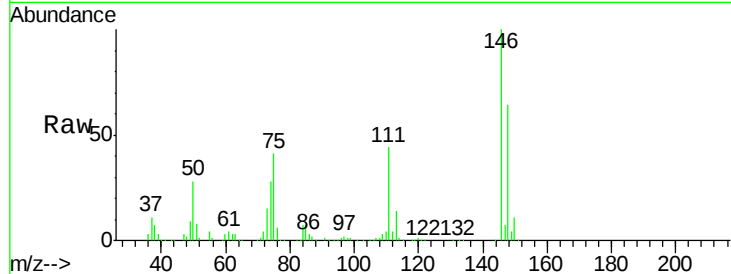
#91
 1,2-Dichlorobenzene
 Concen: 50.057 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057739.D
 Acq: 7 Sep 2019 1:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	22.8	68.3
148	63.8	31.6	95.0

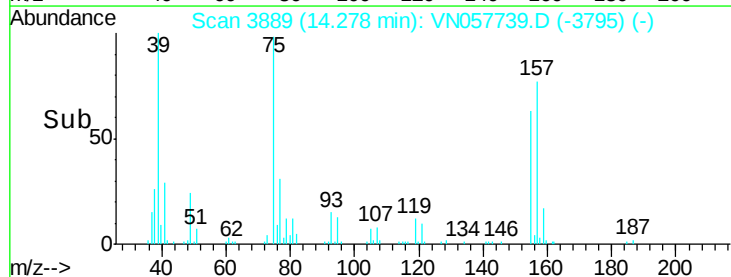
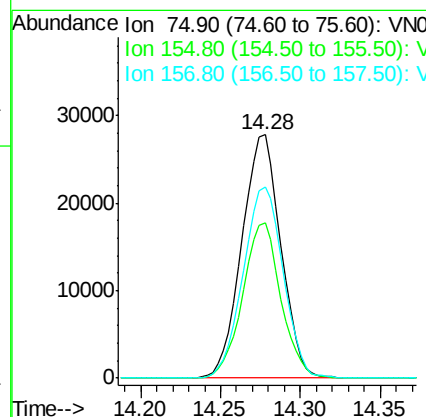
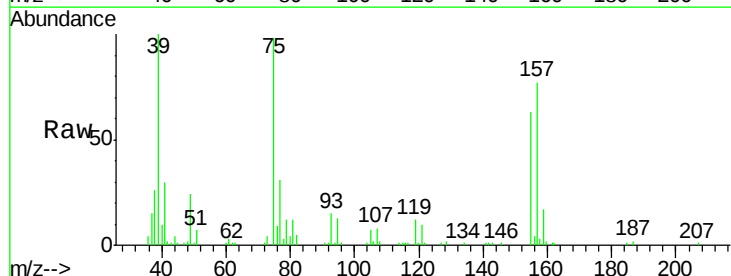
Manual Integrations
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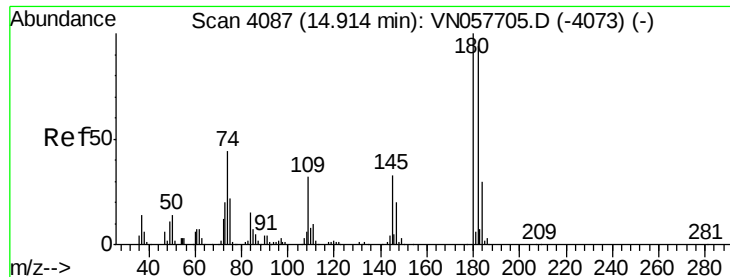
MMDadoda
 9/10/2019 9:57:16 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.583 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN057739.D
 Acq: 7 Sep 2019 1:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	62.3	30.1	90.5
157	80.5	38.1	114.5





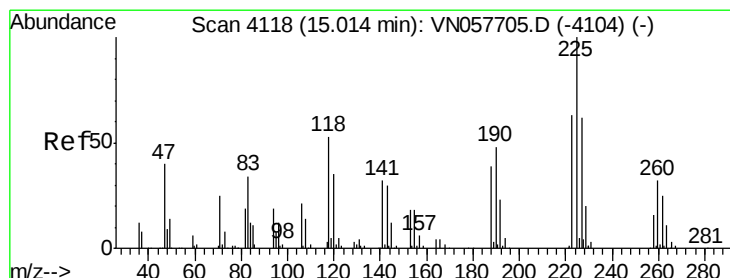
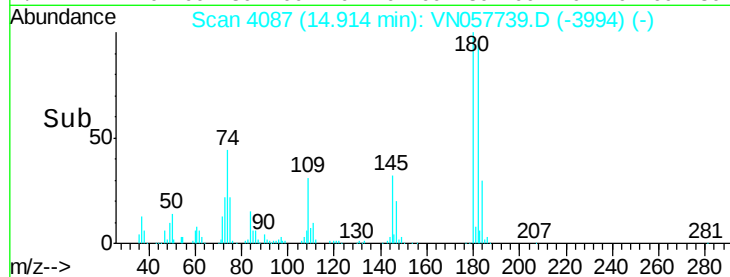
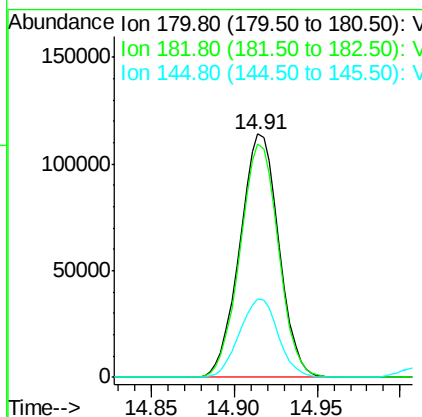
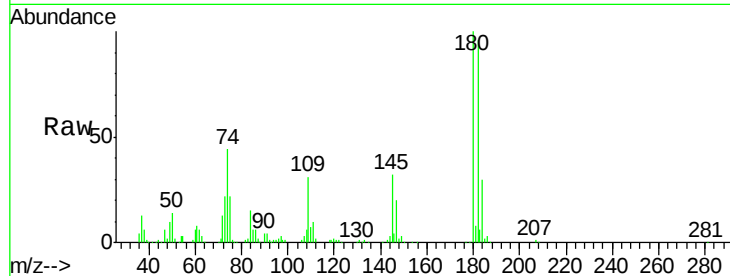
#93
 1,2,4-Trichlorobenzene
 Concen: 52.597 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057739.D
 Acq: 7 Sep 2019 1:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	186800		
182	94.4	47.6	142.9	
145	32.1	16.6	49.7	

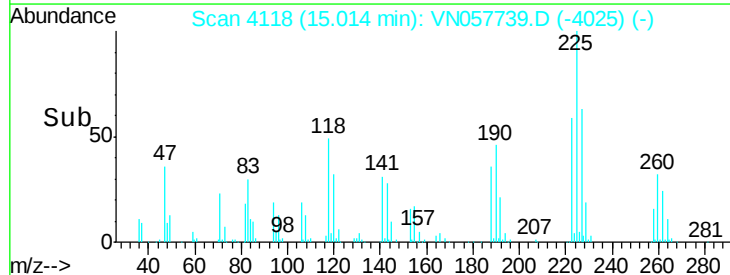
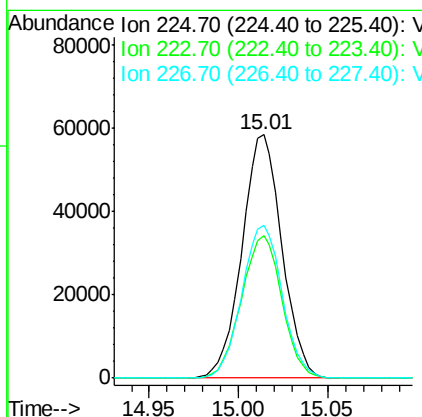
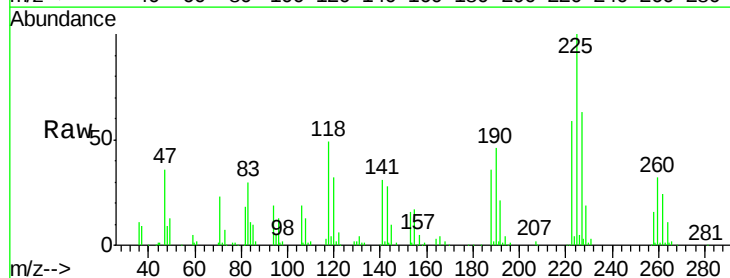
Manual Integrations
 APPROVED

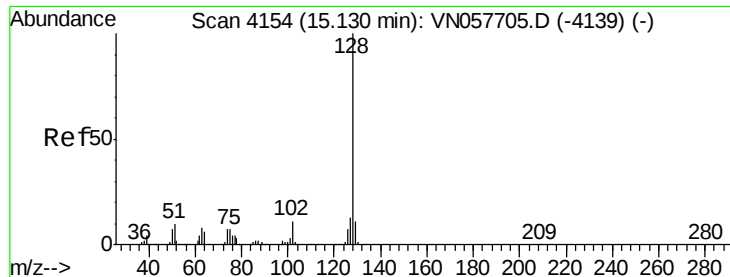
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 9/10/2019 9:57:16 AM



#94
 Hexachlorobutadiene
 Concen: 52.697 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057739.D
 Acq: 7 Sep 2019 1:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	91223		
223	59.3	31.6	95.0	
227	63.4	31.7	95.1	





#95

Naphthalene

Concen: 52.126 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057739.D

Acq: 7 Sep 2019 1:12

Instrument :

MSVOA_N

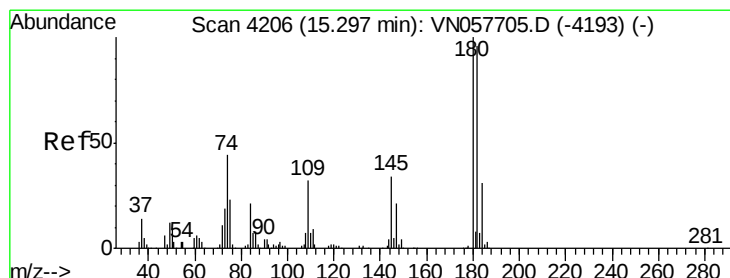
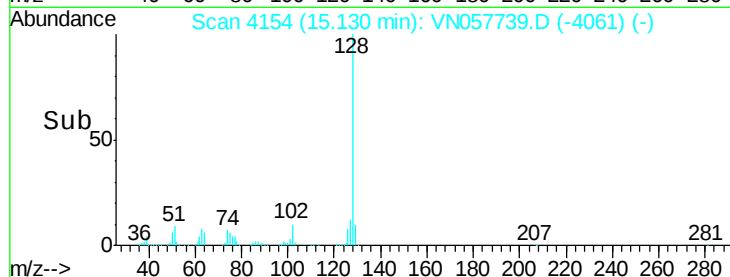
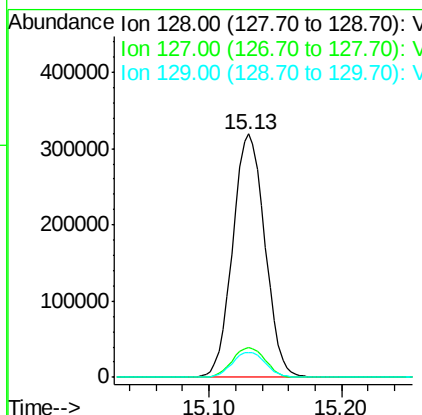
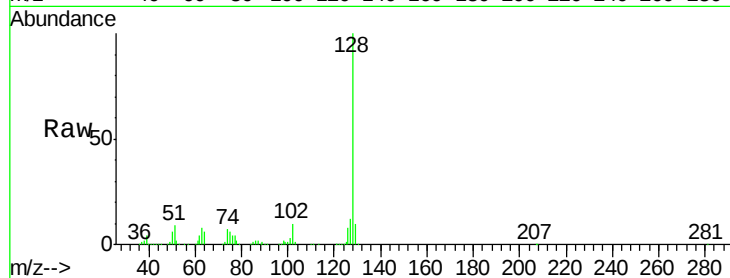
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	537070
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.6	15.8
129	10.7	8.4	12.6

Manual Integrations
APPROVED

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9/10/2019 9:57:16 AM



#96

1,2,3-Trichlorobenzene

Concen: 52.360 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN057739.D

Acq: 7 Sep 2019 1:12

Tgt Ion:	180	Resp:	178248
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.0	141.2
145	33.6	17.5	52.6

