

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121621\
 Data File : VL038186.D
 Acq On : 16 Dec 2021 12:35
 Operator : SY/AP
 Sample : VL1216ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 17 05:07:51 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Nov 18 13:16:09 2021
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1075087	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2864615	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3338792	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2142116	8.89	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	88.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	1525541	8.591	ppbv 98
3) Chlorodifluoromethane	2.99	51	1929621	8.547	ppbv 98
4) Chloromethane	3.14	50	655601	8.530	ppbv 99
5) Vinyl Chloride	3.26	62	650221	8.624	ppbv 100
6) Bromomethane	3.48	94	361504	8.950	ppbv 95
7) Chloroethane	3.56	64	227559	8.504	ppbv 95
8) Dichlorotetrafluoroethane	3.19	85	1549396	8.771	ppbv 93
9) Propene	3.02	41	651347	7.834	ppbv 97
10) Heptane	8.12	43	1654128	8.049	ppbv 99
11) Trichlorofluoromethane	3.95	101	1515113	8.971	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1078283	9.026	ppbv 97
13) Ethanol	3.61	45	52446	6.527	ppbv 91
14) Bromoethene	3.74	108	461854	8.633	ppbv 98
15) Acetone	3.85	43	804810	8.634	ppbv 98
16) 1,3-Butadiene	3.33	39	640461	8.807	ppbv 94
17) tert-Butyl alcohol	4.29	59	925478	8.185	ppbv 100
18) 1,1-Dichloroethene	4.29	96	481061	8.778	ppbv 95
19) Isopropyl Alcohol	3.96	45	522446	7.757	ppbv # 97
20) Methylene Chloride	4.34	84	409847	7.850	ppbv 97
21) Allyl Chloride	4.41	41	710956	8.240	ppbv 96
22) trans-1,2-Dichloroethene	4.89	96	510726	9.200	ppbv 97
23) Vinyl Acetate	5.07	43	1148994	8.515	ppbv 99
24) 1,1-Dichloroethane	5.01	63	978304	8.707	ppbv 99
25) Ethyl Acetate	5.67	43	2575415	8.313	ppbv 99
26) Hexane	5.68	57	1179394	7.899	ppbv 98
27) Carbon Disulfide	4.55	76	1197865	8.956	ppbv 98
28) Methyl tert-Butyl Ether	5.03	73	1040881	8.206	ppbv 100
29) Chloroform	5.75	83	1895601	8.614	ppbv 100
30) Cyclohexane	7.13	84	992183	7.319	ppbv 91
31) cis-1,2-Dichloroethene	5.55	61	1196363	8.423	ppbv 93
32) 1,1,1-Trichloroethane	6.51	97	1844535	8.259	ppbv 97
34) 2-Butanone	5.24	43	1132846	9.807	ppbv 96
35) Carbon Tetrachloride	7.02	117	1907595	9.478	ppbv 99
36) Benzene	6.89	78	2488344	8.708	ppbv 99
37) 1,2-Dichloroethane	6.30	62	1438867	10.426	ppbv 96
38) Trichloroethene	7.83	130	888447	8.243	ppbv 96
39) 1,2-Dichloropropane	7.61	63	985034	8.986	ppbv 95
40) 1,4-Dioxane	7.83	88	230331	8.065	ppbv # 1
41) Tetrahydrofuran	6.05	42	645636	9.004	ppbv 96
42) Bromodichloromethane	7.79	83	2098180	10.000	ppbv 99
43) Methyl Methacrylate	8.01	69	943792	9.654	ppbv 94

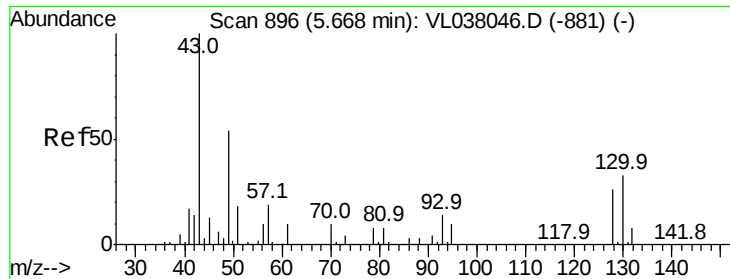
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121621\
 Data File : VL038186.D
 Acq On : 16 Dec 2021 12:35
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Nov 18 13:16:09 2021
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4132222	8.643	ppbv	98
45) t-1,3-Dichloropropene	9.28	75	849168	10.829	ppbv	96
46) cis-1,3-Dichloropropene	8.70	75	1063395	10.026	ppbv	95
47) 1,1,2-Trichloroethane	9.47	97	995261	8.670	ppbv	94
48) Dibromochloromethane	10.30	129	1695373	9.697	ppbv	100
49) Bromoform	13.03	173	1285442	10.278	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	1781956	10.158	ppbv	97
51) 2-Hexanone	10.13	43	849695	10.296	ppbv #	95
52) Tetrachloroethene	11.22	164	815914	7.717	ppbv	99
53) Toluene	9.80	91	2820200	8.578	ppbv	98
54) 1,2-Dibromoethane	10.61	107	1478289	9.116	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1093914	7.217	ppbv	96
57) Chlorobenzene	12.14	112	2000953	6.687	ppbv	93
58) Ethyl Benzene	12.71	91	3793840	6.875	ppbv	98
59) m/p-Xylene	12.99	91	3468618	7.467	ppbv #	52
60) o-Xylene	13.69	91	2956098	6.860	ppbv	94
61) Styrene	13.53	104	1609033	6.964	ppbv	96
62) Isopropylbenzene	14.66	105	3967478	6.486	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.67	83	2185980	6.829	ppbv	99
64) n-propylbenzene	15.56	120	1032575	6.626	ppbv	91
65) tert-Butylbenzene	16.74	119	3460957	6.422	ppbv	95
66) Benzyl Chloride	16.99	91	204432	7.485	ppbv #	94
67) sec-Butylbenzene	17.29	105	4895938	6.520	ppbv	100
69) p-Isopropyltoluene	17.65	119	3999632	6.809	ppbv	98
70) n-Butylbenzene	18.55	91	4189767	7.460	ppbv	98
71) 2-Chlorotoluene	15.45	91	3115957	6.967	ppbv	96
72) 4-Ethyltoluene	15.83	105	3438352	6.882	ppbv	97
73) 1,3,5-Trimethylbenzene	16.00	105	3074699	6.738	ppbv	98
74) 1,2,4-Trimethylbenzene	16.76	105	3234508	6.878	ppbv	95
75) 1,3-Dichlorobenzene	16.99	146	1802228	6.978	ppbv	98
76) 1,4-Dichlorobenzene	17.14	146	1740311	6.696	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	1768902	7.073	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1051433	6.734	ppbv	99
79) Naphthalene	22.18	128	2041288	8.243	ppbv	100
80) Naphthalene, 2-methyl-	25.12	142	23479	0.442	ppbv	94
81) 1,2,4-Trichlorobenzene	21.92	180	1115510	7.839	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 16 Dec 2021 12:35

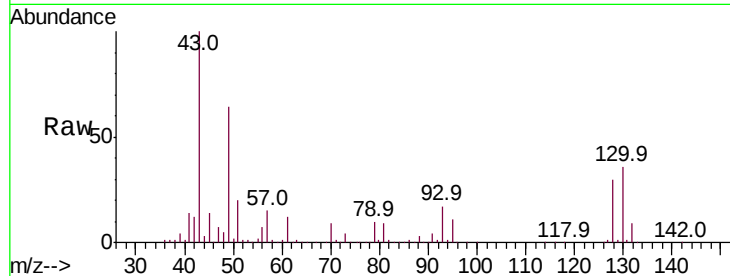
Tot Ion: 49 Resp: 1075087

Ion Ratio Lower Upper

49 100

128 48.6 26.5 79.5

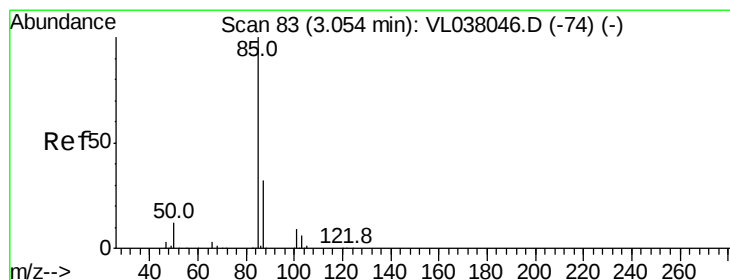
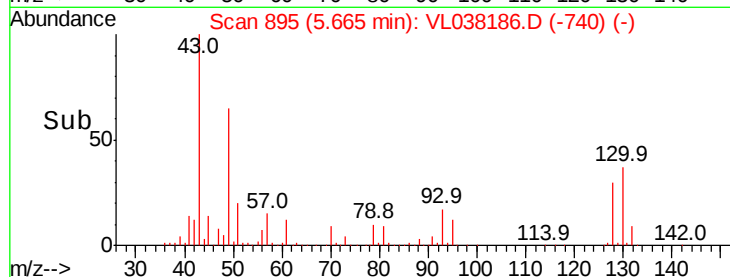
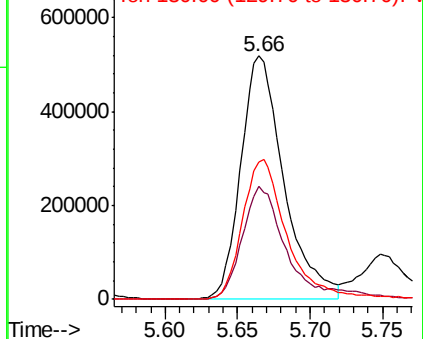
130 59.9 32.5 97.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.591 ppbv

RT: 3.05 min Scan# 82

Delta R.T. -0.00 min

Lab File: VL038186.D

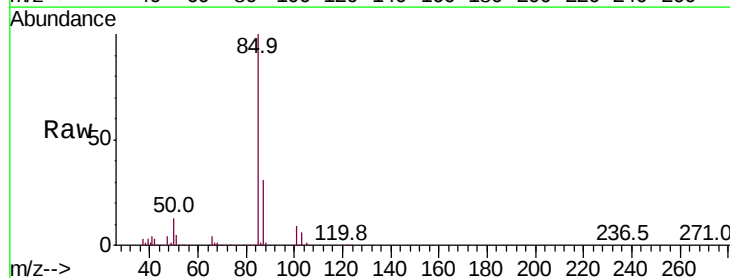
Acq: 16 Dec 2021 12:35

Tgt Ion: 85 Resp: 1525541

Ion Ratio Lower Upper

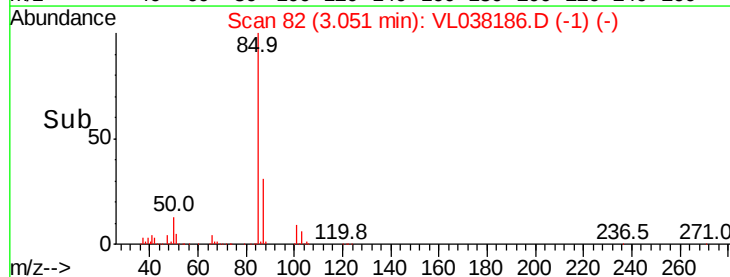
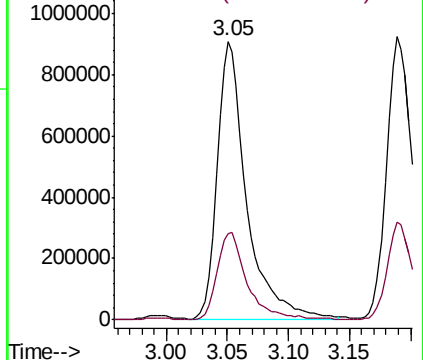
85 100

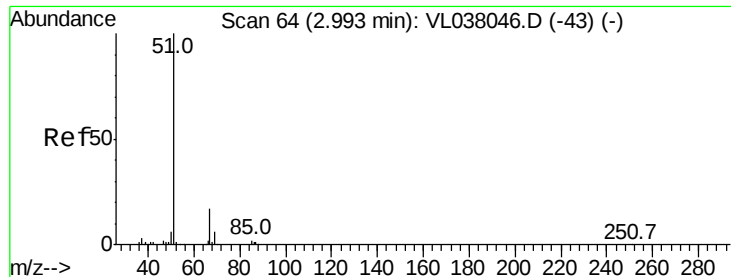
87 31.0 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.547 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

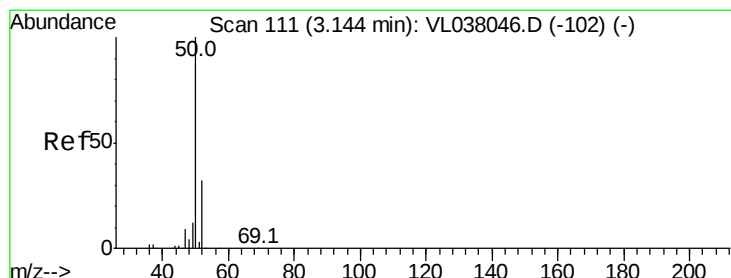
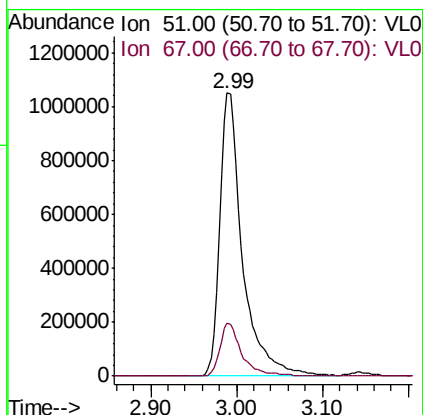
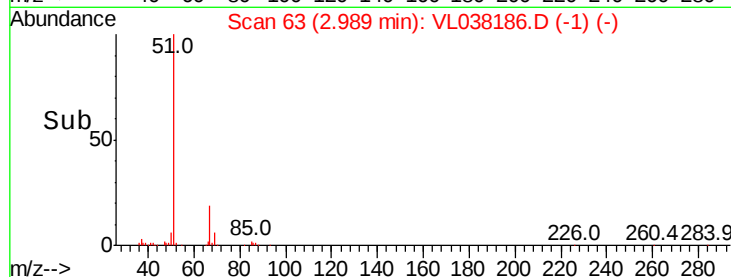
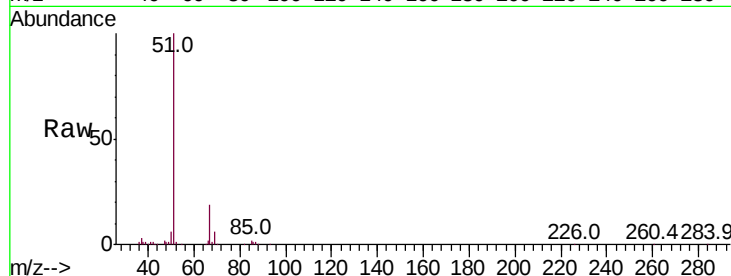
Acq: 16 Dec 2021 12:35

Tot Ion: 51 Resp: 1929621

Ion Ratio Lower Upper

51 100

67 18.2 13.8 20.8



#4

Chloromethane

Concen: 8.530 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL038186.D

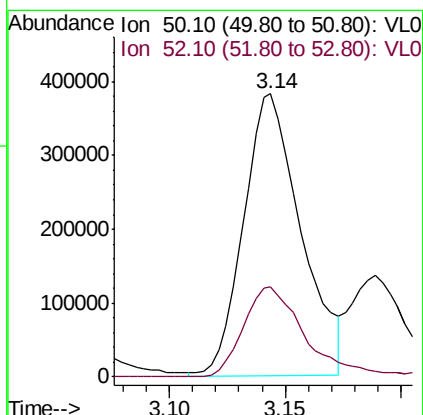
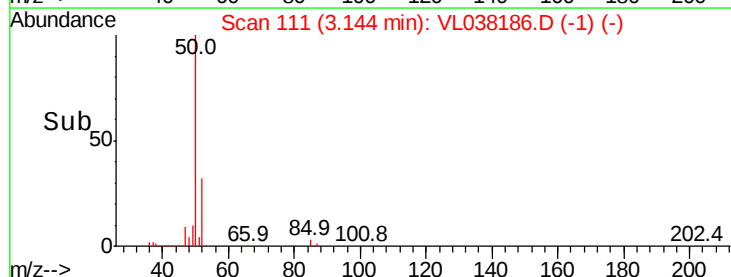
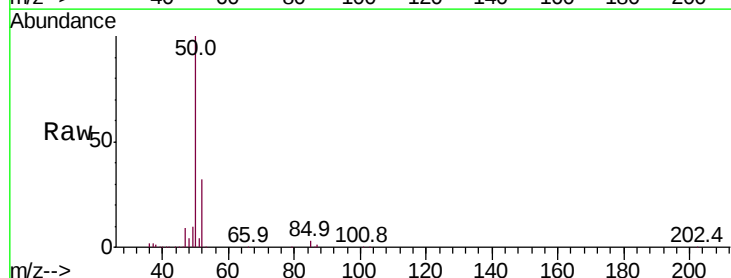
Acq: 16 Dec 2021 12:35

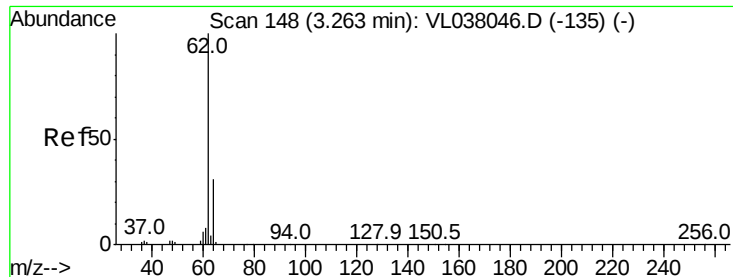
Tgt Ion: 50 Resp: 655601

Ion Ratio Lower Upper

50 100

52 32.1 25.4 38.0





#5

Vinyl Chloride

Concen: 8.624 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

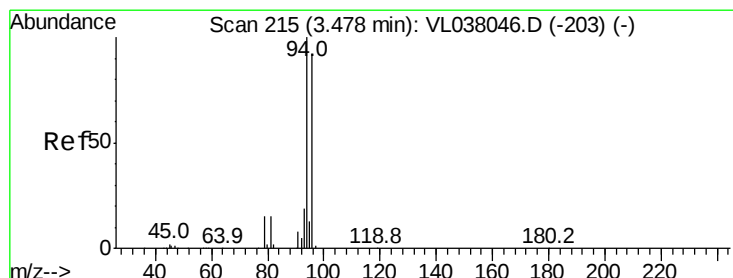
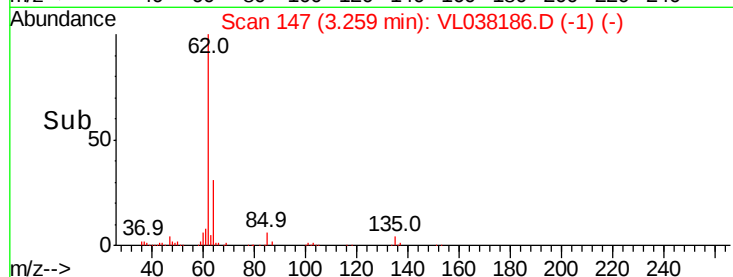
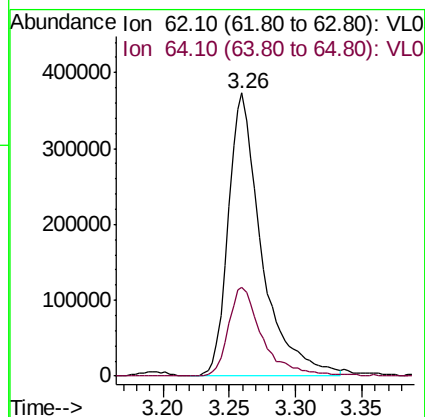
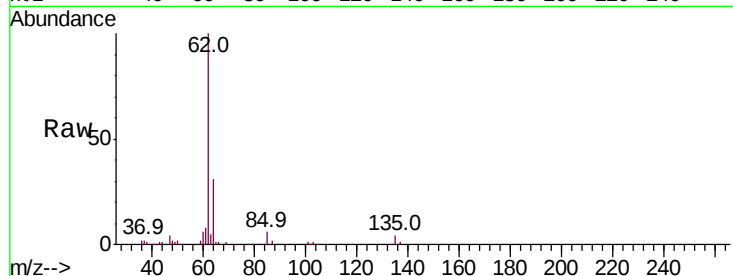
Acq: 16 Dec 2021 12:35

Tot Ion: 62 Resp: 650221

Ion Ratio Lower Upper

62 100

64 31.4 25.1 37.7



#6

Bromomethane

Concen: 8.950 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.00 min

Lab File: VL038186.D

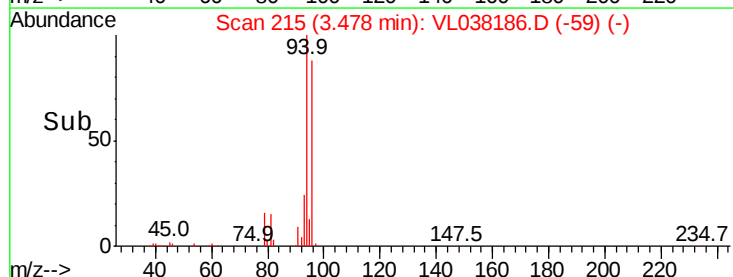
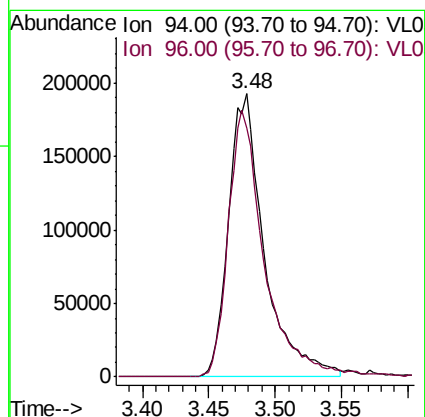
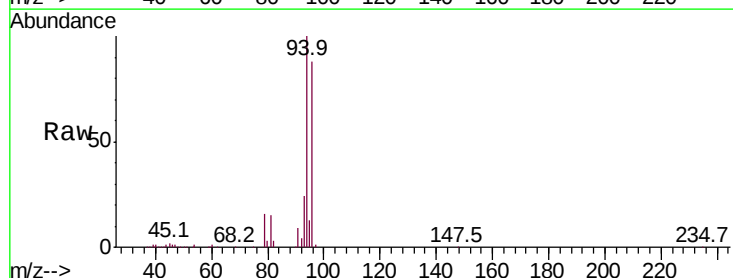
Acq: 16 Dec 2021 12:35

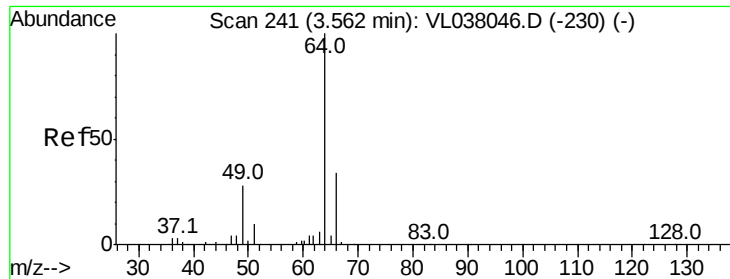
Tgt Ion: 94 Resp: 361504

Ion Ratio Lower Upper

94 100

96 87.9 73.9 110.9





#7

Chloroethane

Concen: 8.504 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

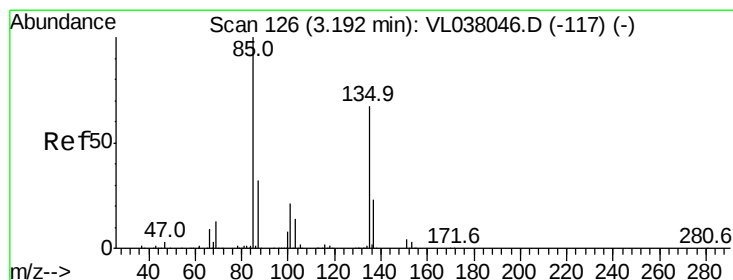
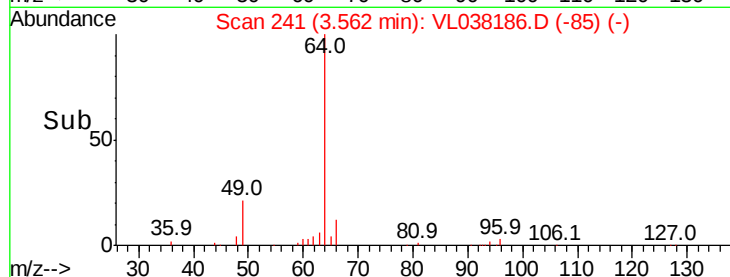
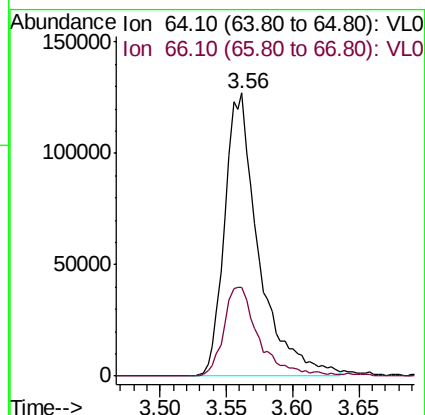
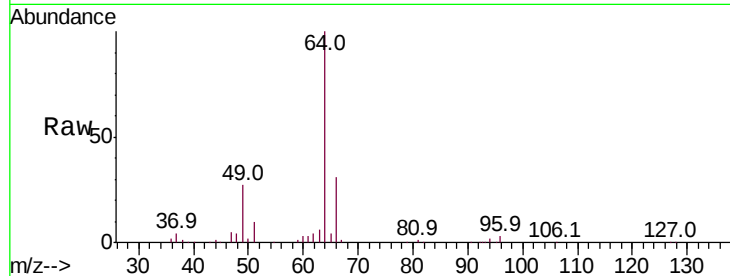
Acq: 16 Dec 2021 12:35

Tot Ion: 64 Resp: 227559

Ion Ratio Lower Upper

64 100

66 31.4 27.2 40.8



#8

Dichlorotetrafluoroethane

Concen: 8.771 ppbv

RT: 3.19 min Scan# 125

Delta R.T. -0.00 min

Lab File: VL038186.D

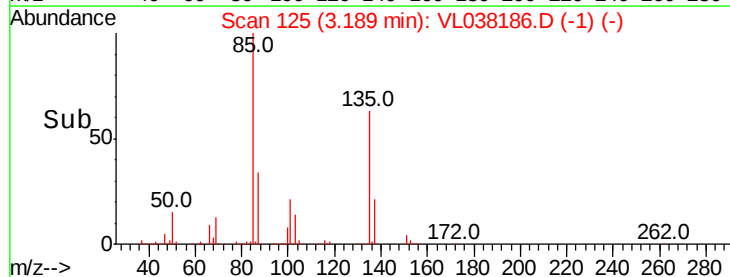
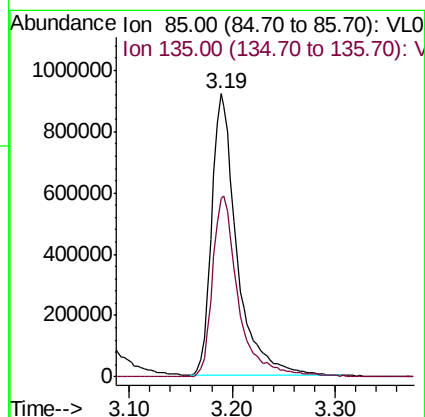
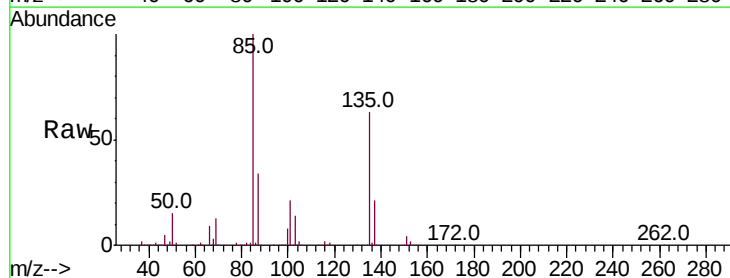
Acq: 16 Dec 2021 12:35

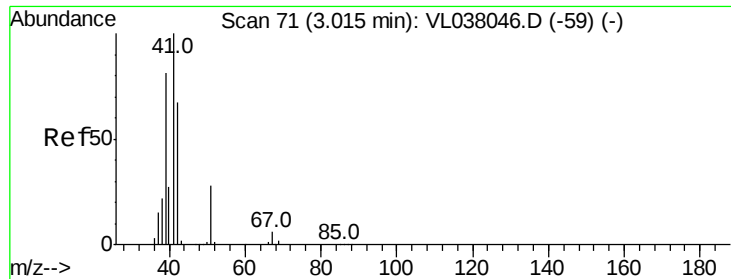
Tgt Ion: 85 Resp: 1549396

Ion Ratio Lower Upper

85 100

135 66.8 57.9 86.9





#9

Propene

Concen: 7.834 ppbv

RT: 3.02 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

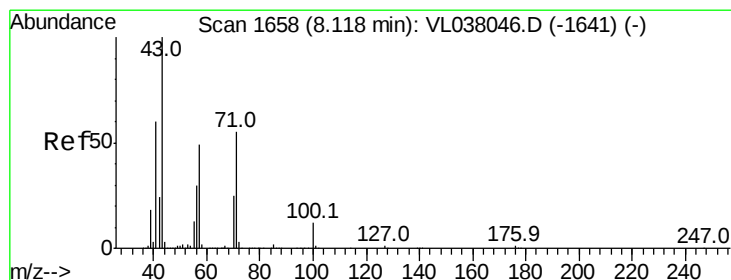
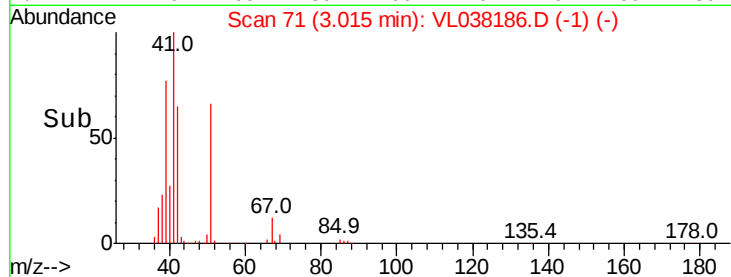
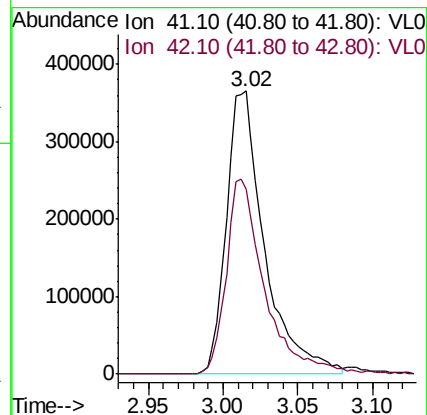
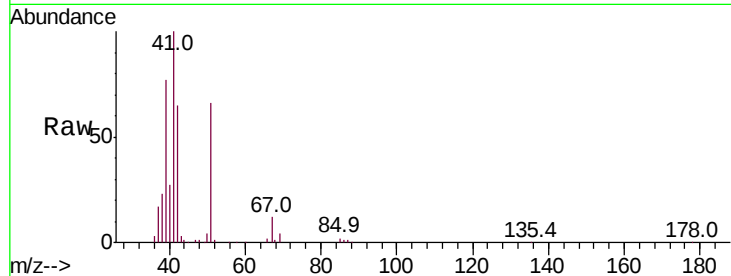
Acq: 16 Dec 2021 12:35

Tot Ion: 41 Resp: 651347

Ion Ratio Lower Upper

41 100

42 69.6 53.8 80.8



#10

Heptane

Concen: 8.049 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VL038186.D

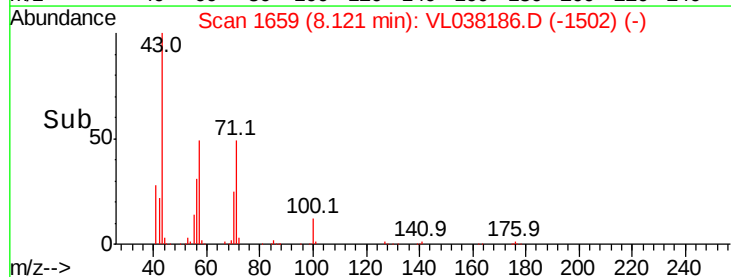
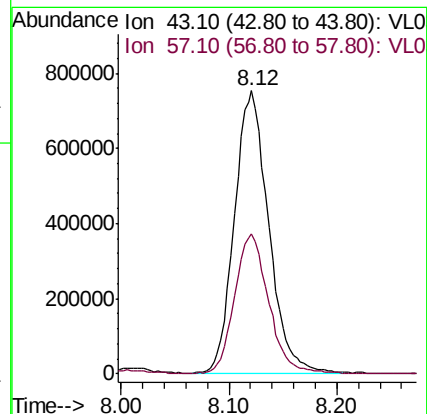
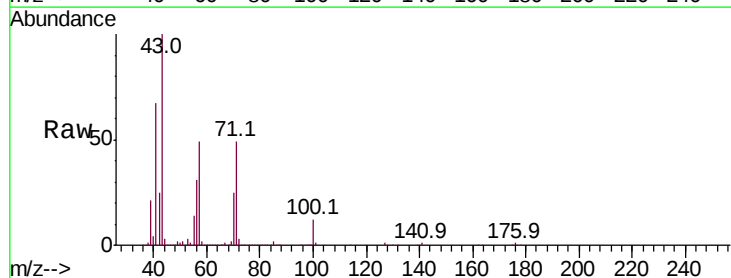
Acq: 16 Dec 2021 12:35

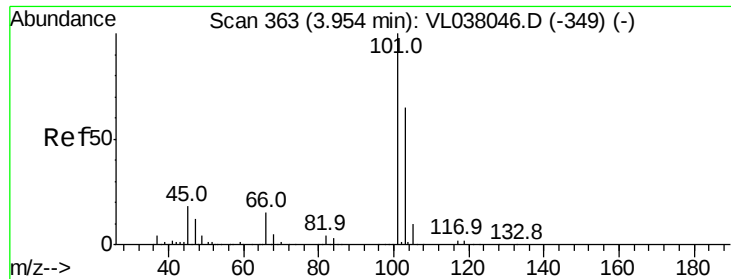
Tgt Ion: 43 Resp: 1654128

Ion Ratio Lower Upper

43 100

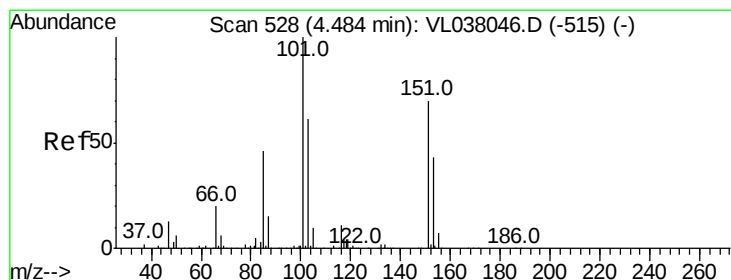
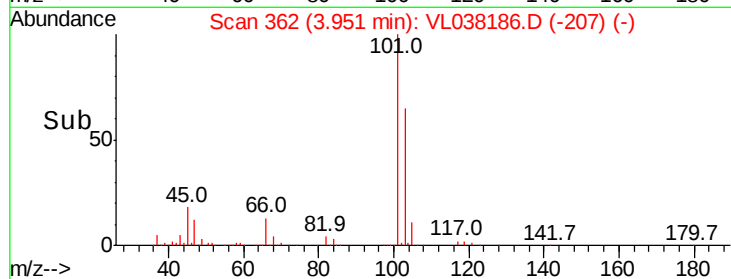
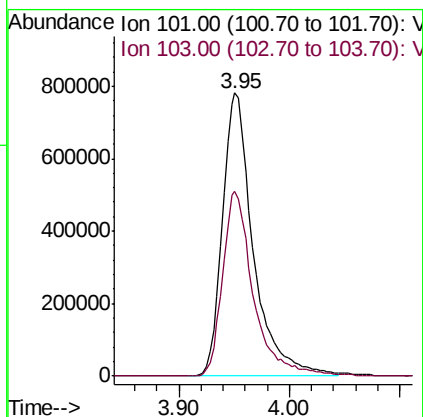
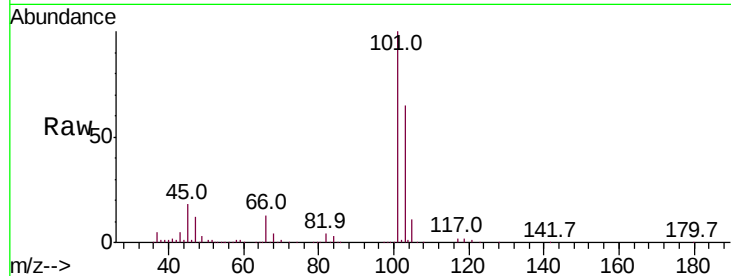
57 49.9 40.4 60.6





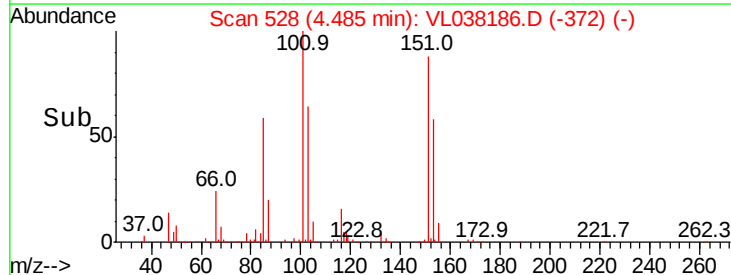
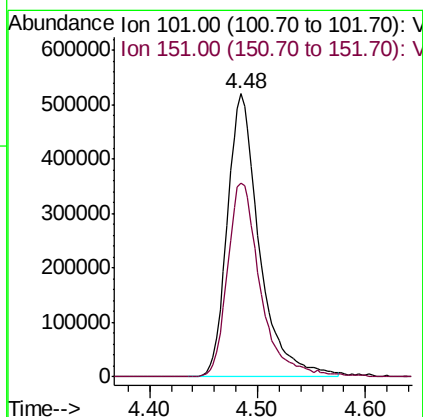
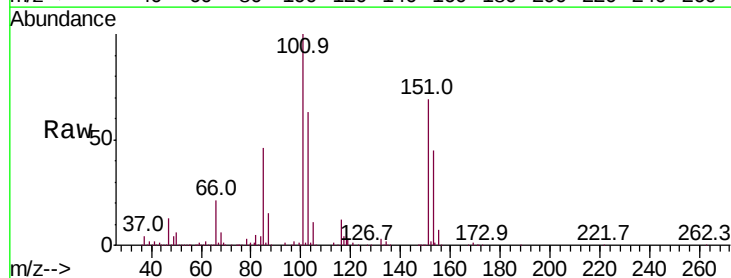
#11
 Trichlorofluoromethane
 Concen: 8.971 ppbv
 RT: 3.95
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 16 Dec 2021 12:35

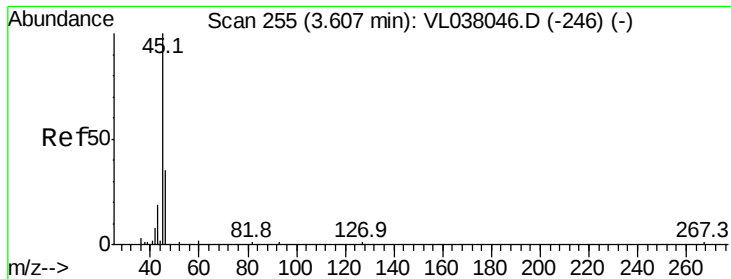
Tot Ion:101 Resp: 1515113
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.8 77.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.026 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VL038186.D
 Acq: 16 Dec 2021 12:35

Tgt Ion:101 Resp: 1078283
 Ion Ratio Lower Upper
 101 100
 151 71.2 59.0 88.4





#13

Ethanol

Concen: 6.527 ppbv

RT: 3.61 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

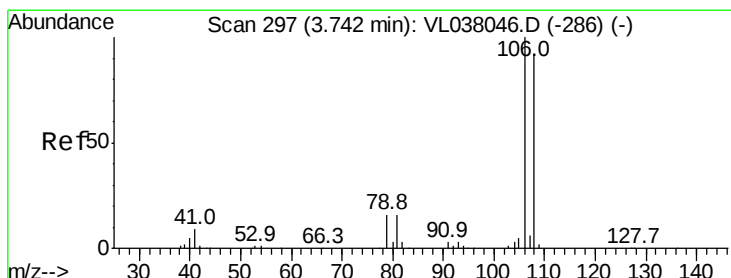
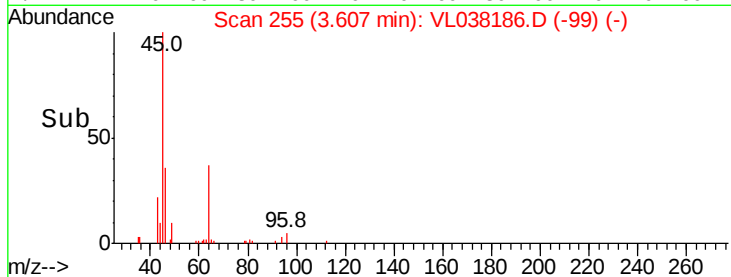
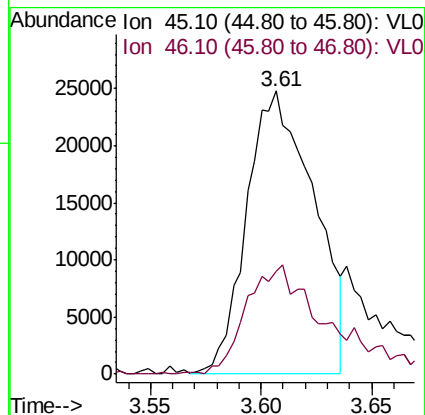
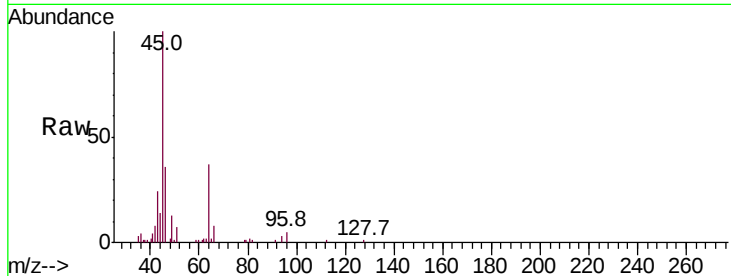
Acq: 16 Dec 2021 12:35

Tot Ion: 45 Resp: 52446

Ion Ratio Lower Upper

45 100

46 50.0 17.6 70.2



#14

Bromoethene

Concen: 8.633 ppbv

RT: 3.74 min Scan# 297

Delta R.T. 0.00 min

Lab File: VL038186.D

Acq: 16 Dec 2021 12:35

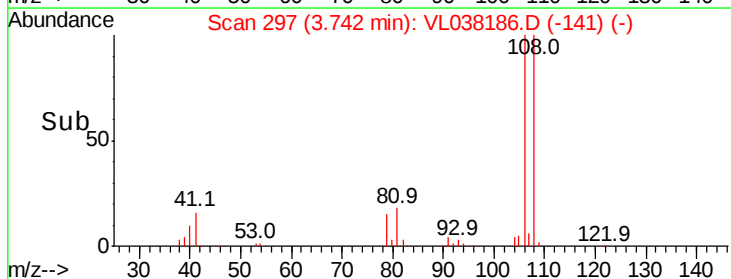
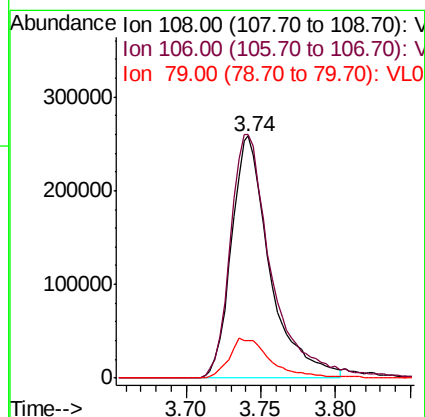
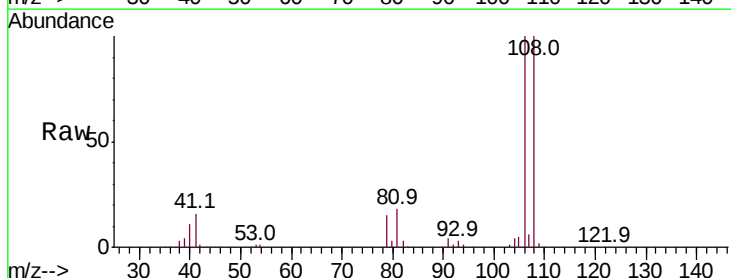
Tgt Ion: 108 Resp: 461854

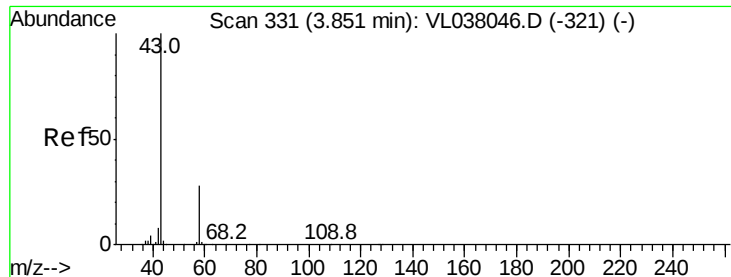
Ion Ratio Lower Upper

108 100

106 109.5 89.4 134.0

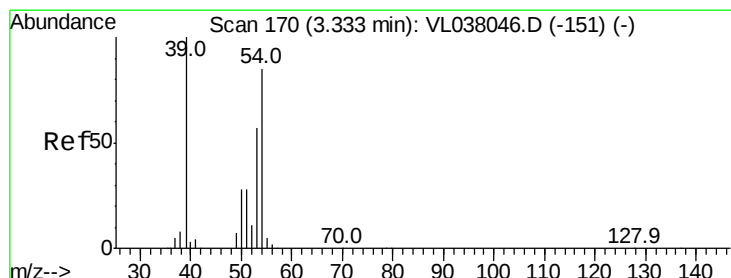
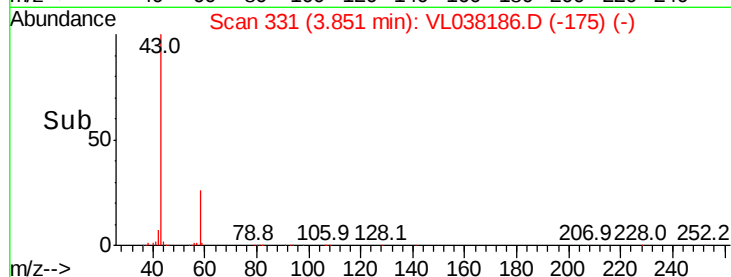
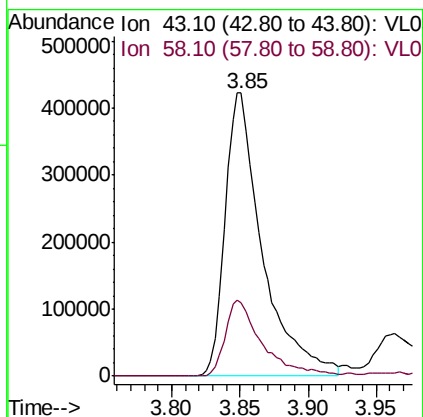
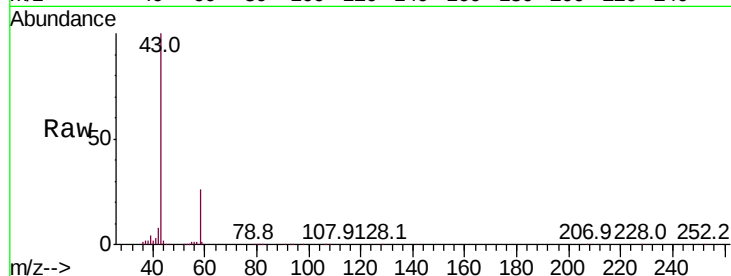
79 18.2 14.1 21.1





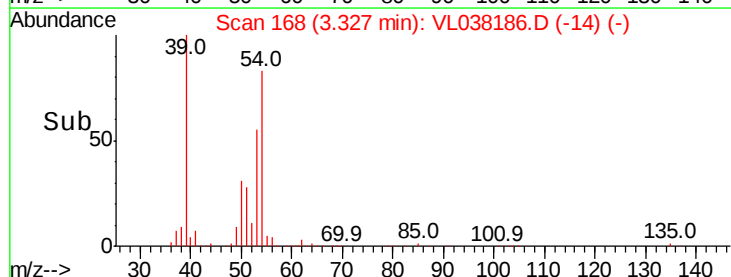
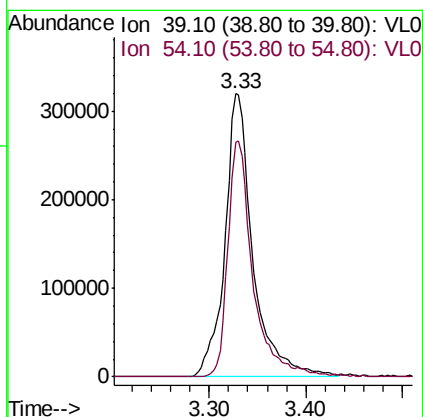
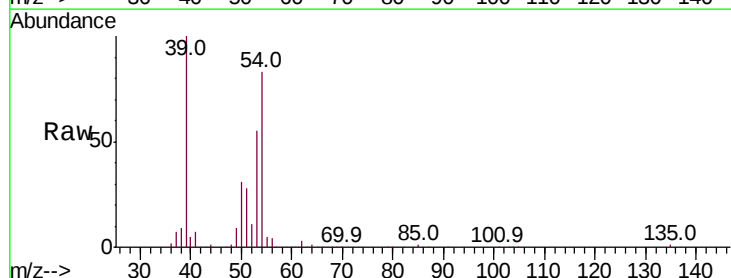
#15
Acetone
Concen: 8.634 ppbv
RT: 3.85
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 16 Dec 2021 12:35

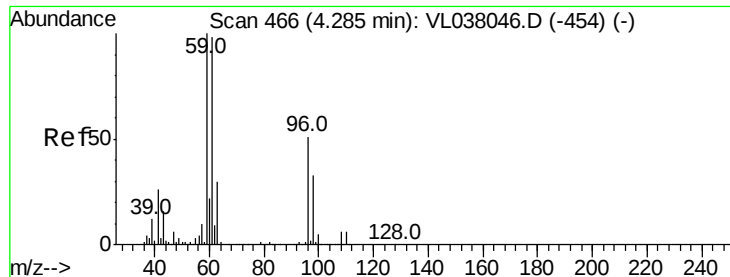
Tot Ion: 43 Resp: 804810
Ion Ratio Lower Upper
43 100
58 27.0 22.4 33.6



#16
1,3-Butadiene
Concen: 8.807 ppbv
RT: 3.33 min Scan# 168
Delta R.T. -0.01 min
Lab File: VL038186.D
Acq: 16 Dec 2021 12:35

Tgt Ion: 39 Resp: 640461
Ion Ratio Lower Upper
39 100
54 75.6 64.4 96.6





#17

tert-Butyl alcohol

Concen: 8.185 ppbv

RT: 4.29 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

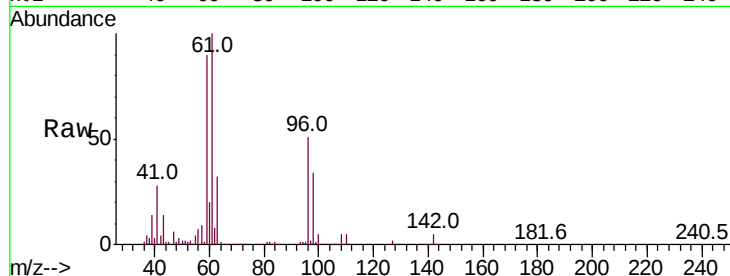
Acq: 16 Dec 2021 12:35

Tot Ion: 59 Resp: 925478

Ion Ratio Lower Upper

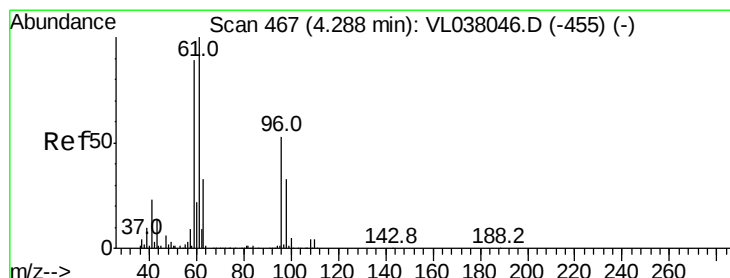
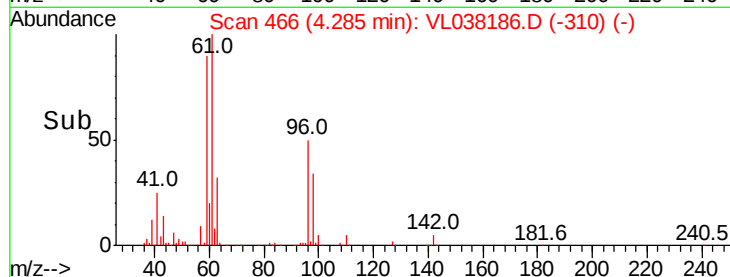
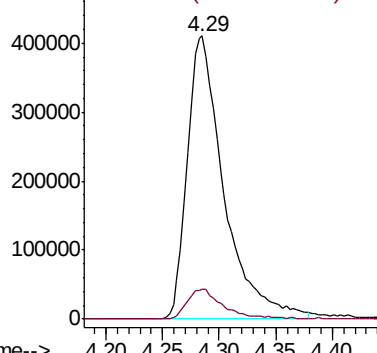
59 100

57 10.6 8.6 13.0



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 8.778 ppbv

RT: 4.29 min Scan# 468

Delta R.T. 0.00 min

Lab File: VL038186.D

Acq: 16 Dec 2021 12:35

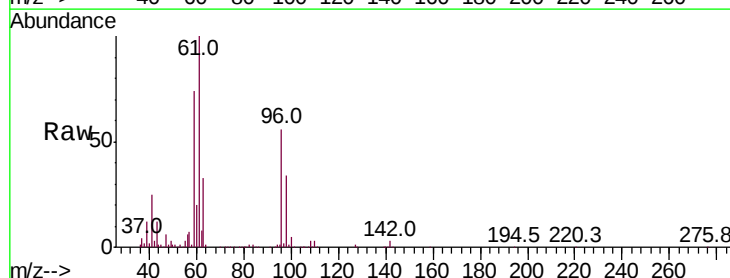
Tgt Ion: 96 Resp: 481061

Ion Ratio Lower Upper

96 100

61 179.5 149.8 224.8

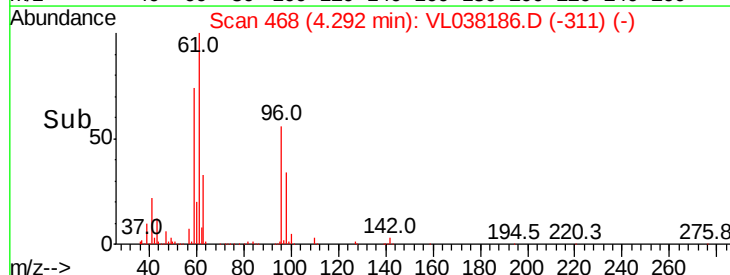
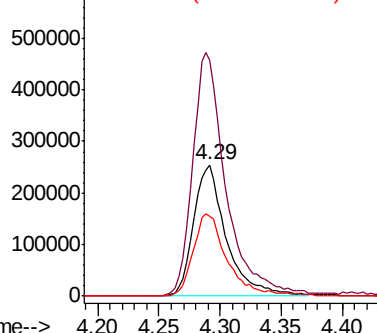
98 60.6 50.2 75.2

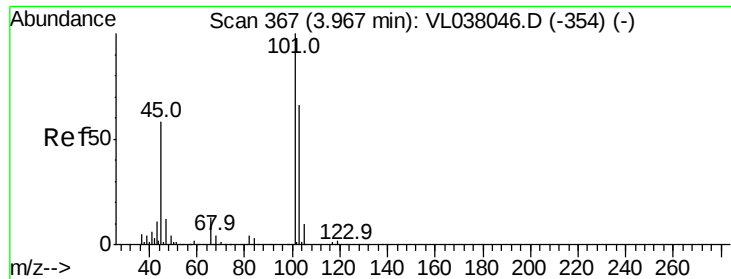


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 7.757 ppbv

RT: 3.96

Delta R.T. MSVOA_L

Lab File:

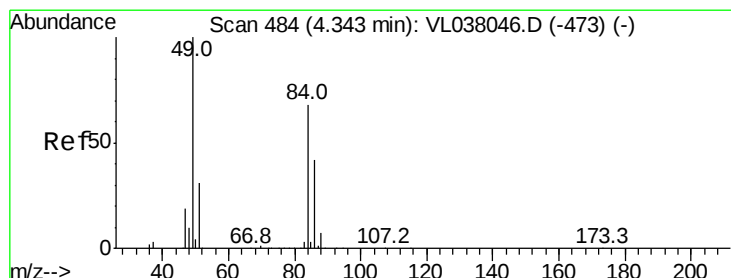
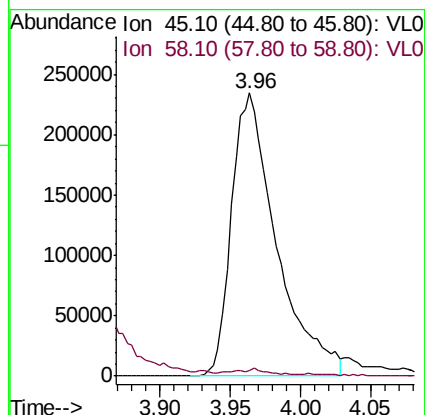
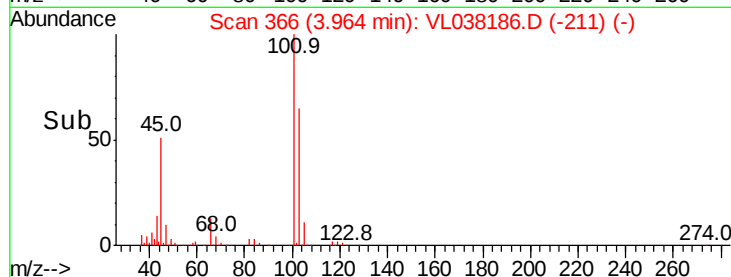
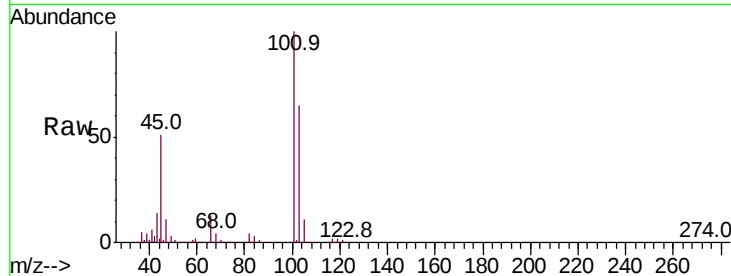
Acq: 16 Dec 2021 12:35

Tot Ion: 45 Resp: 522446

Ion Ratio Lower Upper

45 100

58 2.8 1.4 2.0#



#20

Methylene Chloride

Concen: 7.850 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.00 min

Lab File: VL038186.D

Acq: 16 Dec 2021 12:35

Tgt Ion: 84 Resp: 409847

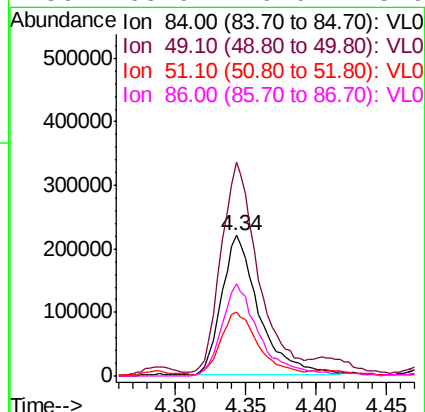
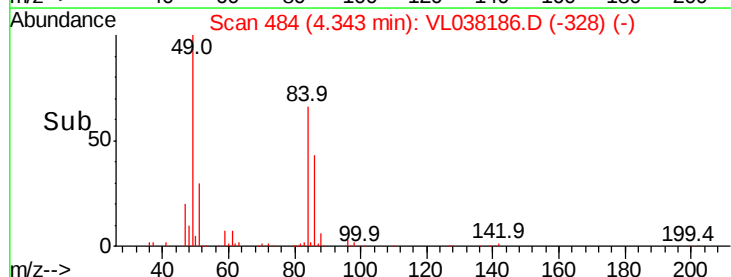
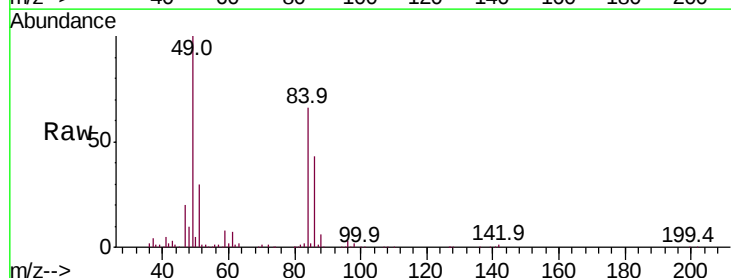
Ion Ratio Lower Upper

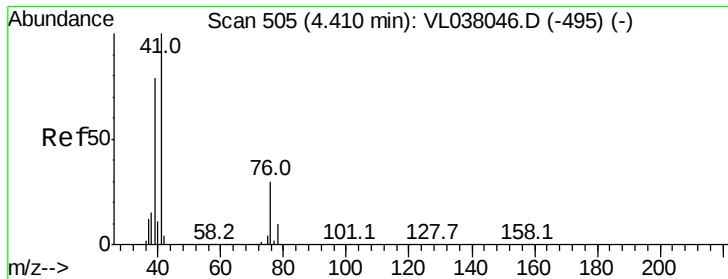
84 100

49 150.1 118.2 177.2

51 44.2 36.8 55.2

86 65.9 49.0 73.6





#21

Allvl Chloride

Concen: 8.240 ppbv

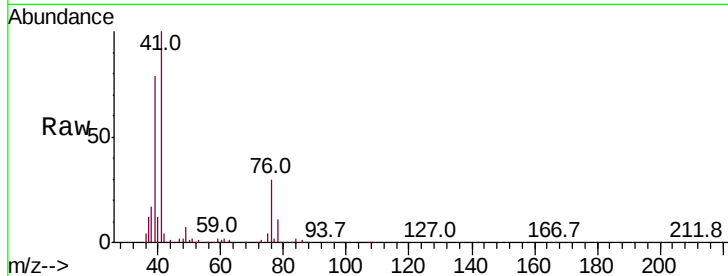
RT: 4.41

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Dec 2021 12:35

Tot Ion	Ratio	Lower	Upper
41	100		
76	31.2	24.6	36.8
39	84.3	63.4	95.0

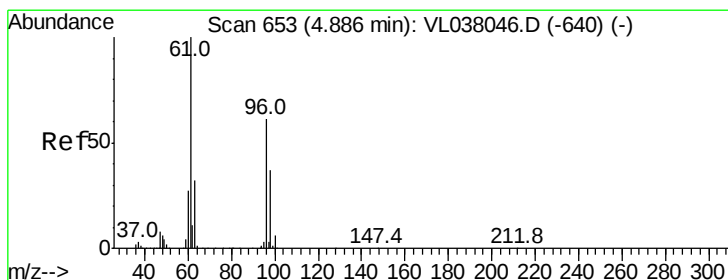
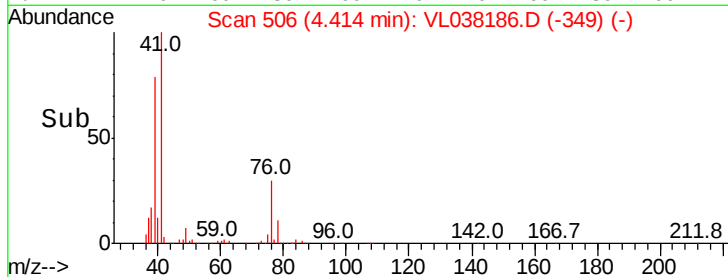
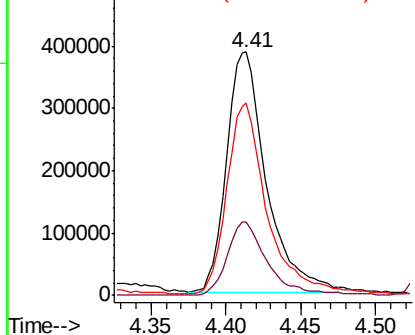


Abundance

Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 9.200 ppbv

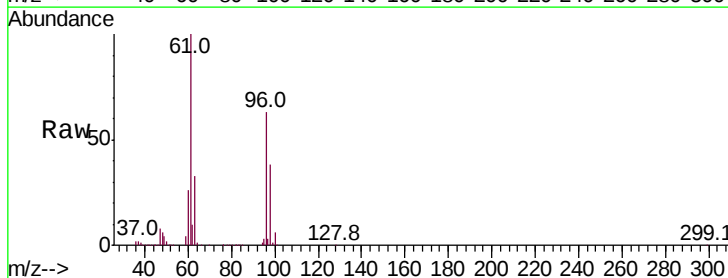
RT: 4.89 min Scan# 653

Delta R.T. 0.00 min

Lab File: VL038186.D

Acq: 16 Dec 2021 12:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.5	131.6	197.4
98	60.6	48.4	72.6

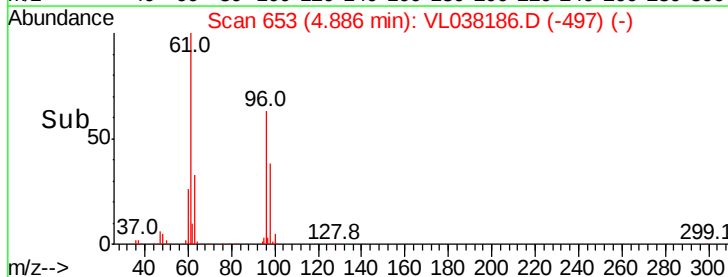
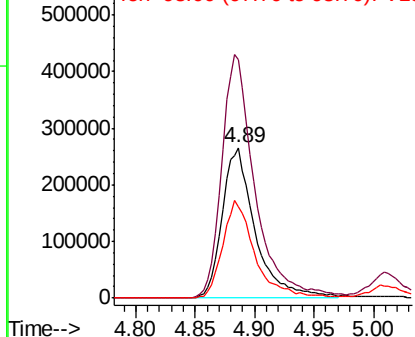


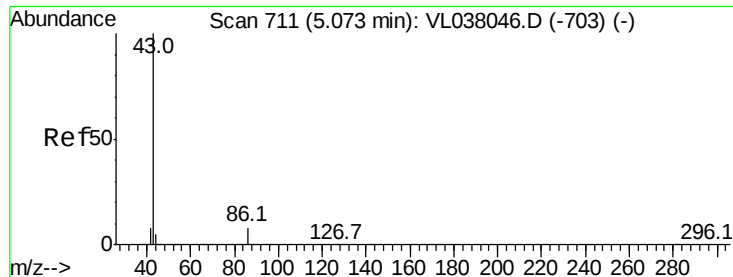
Abundance

Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 8.515 ppbv

RT: 5.07 Instrument:

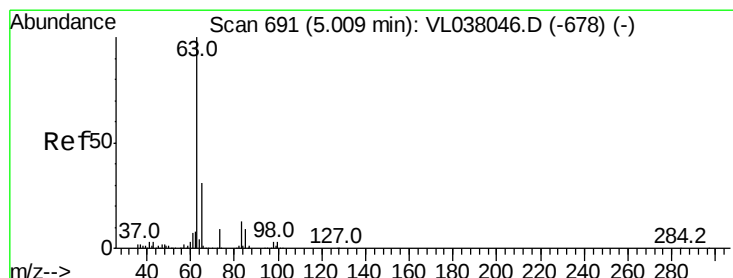
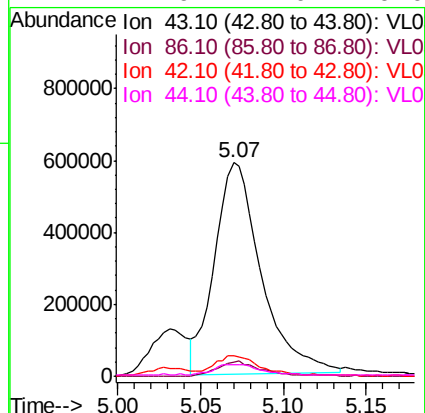
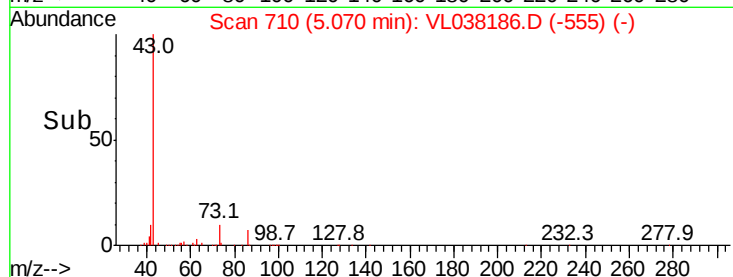
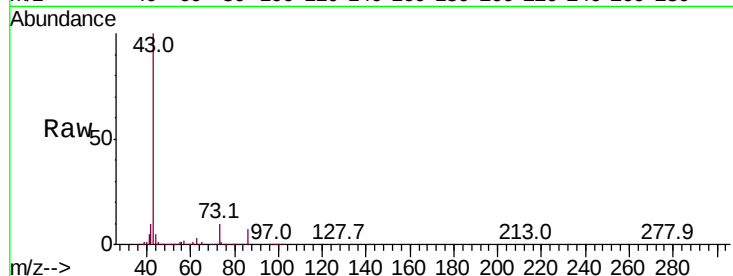
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 16 Dec 2021 12:35

Tot Ion: 43 Resp: 1148994

Ion	Ratio	Lower	Upper
43	100		
86	6.9	5.3	7.9
42	9.6	7.0	10.6
44	4.9	4.0	6.0



#24

1,1-Dichloroethane

Concen: 8.707 ppbv

RT: 5.01 min Scan# 691

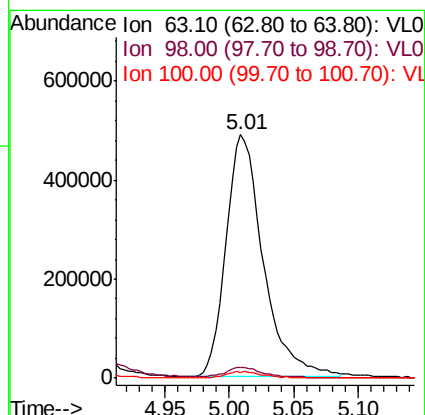
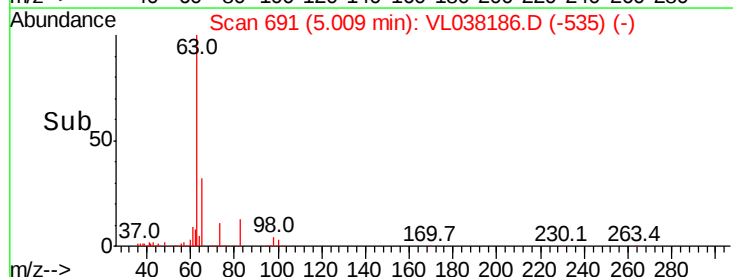
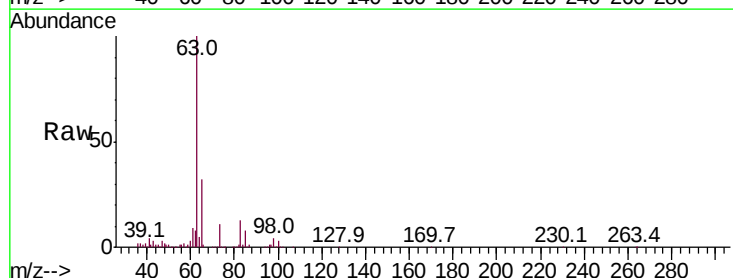
Delta R.T. 0.00 min

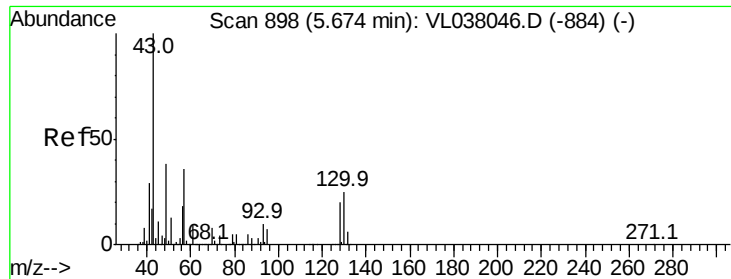
Lab File: VL038186.D

Acq: 16 Dec 2021 12:35

Tgt Ion: 63 Resp: 978304

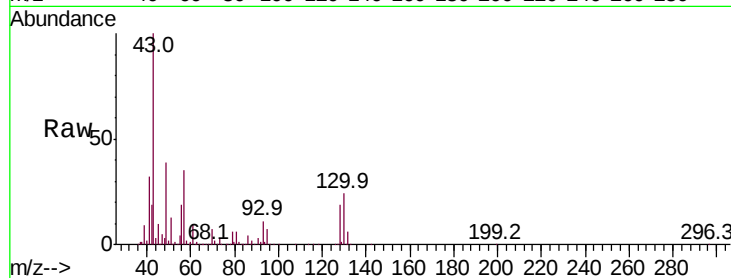
Ion	Ratio	Lower	Upper
63	100		
98	4.1	1.8	5.4
100	2.5	1.4	4.0



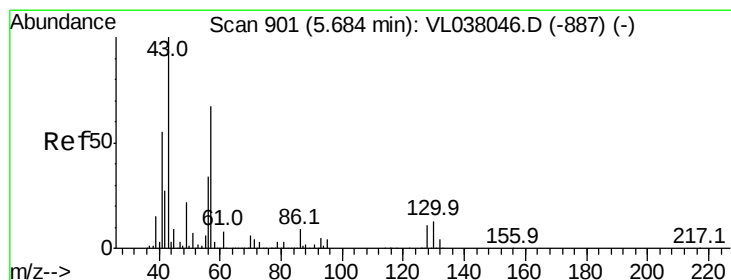
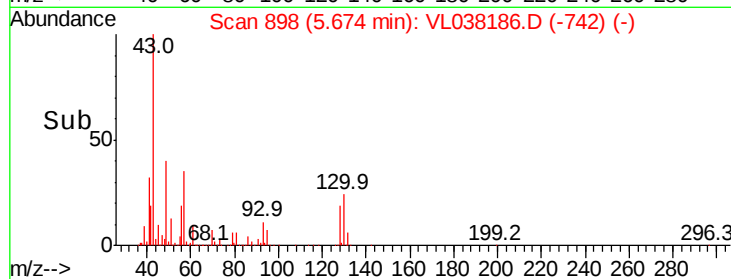
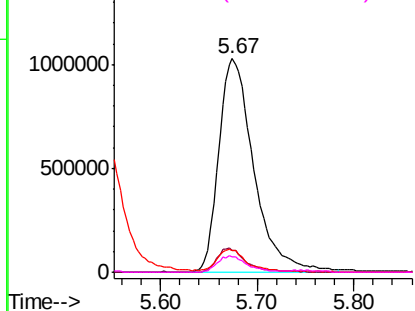


#25
Ethyl Acetate
Concen: 8.313 ppbv
RT: 5.67 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 16 Dec 2021 12:35

Tot Ion:	43	Resp:	2575415
Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.9	11.9
61	9.6	7.8	11.6
70	6.6	5.8	8.8

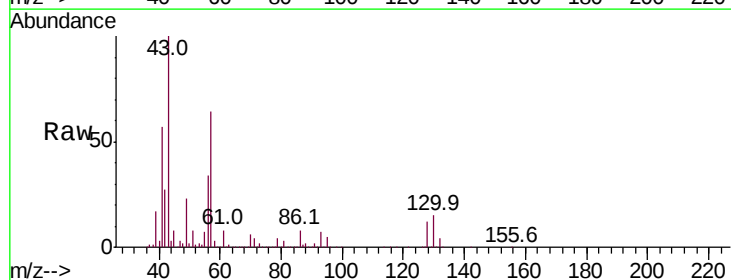


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

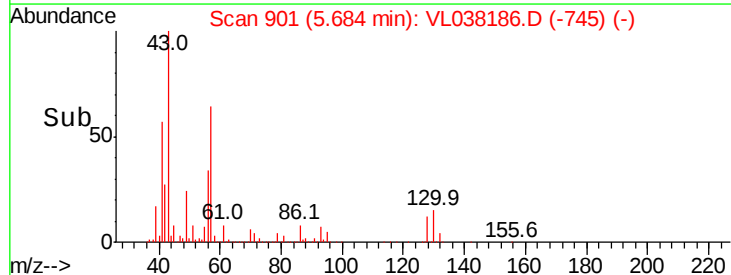
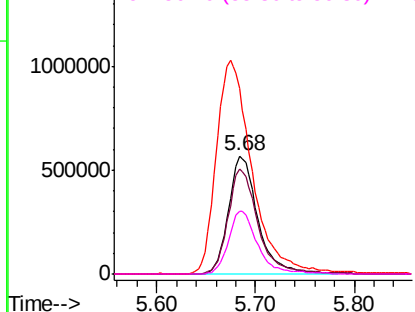


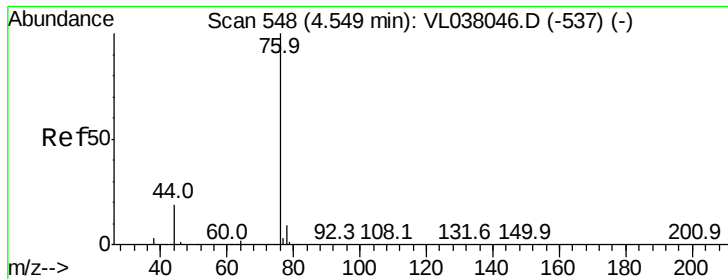
#26
Hexane
Concen: 7.899 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL038186.D
Acq: 16 Dec 2021 12:35

Tgt Ion:	57	Resp:	1179394
Ion	Ratio	Lower	Upper
57	100		
41	92.2	71.4	107.2
43	221.2	174.6	261.8
56	53.3	43.2	64.8



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

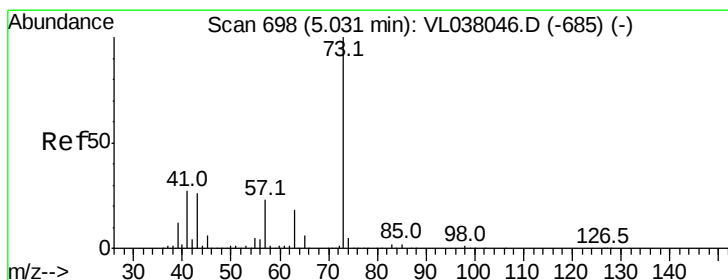
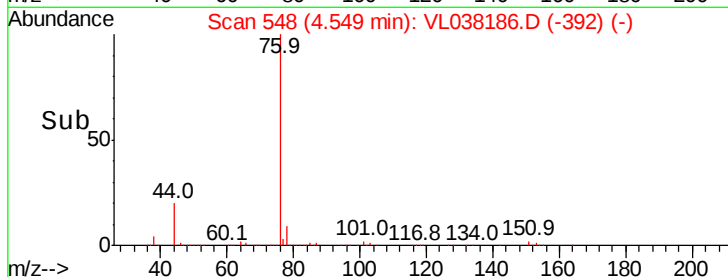
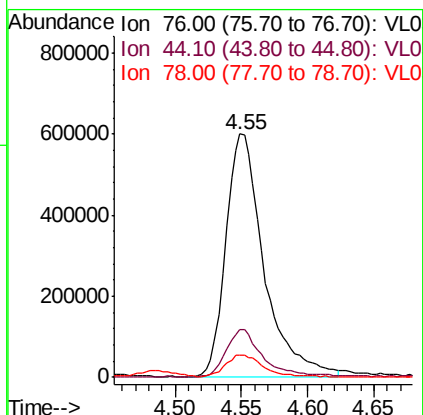
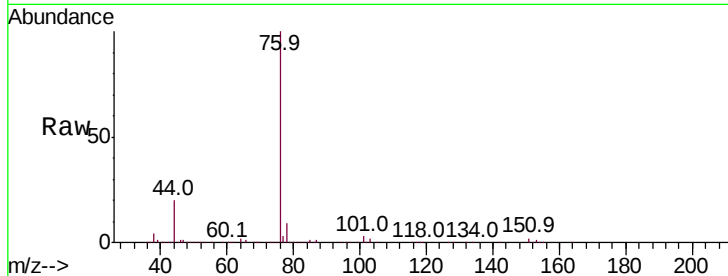




#27
Carbon Disulfide
Concen: 8.956 ppbv
RT: 4.55
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 16 Dec 2021 12:35

Tot Ion: 76 Resp: 1197865

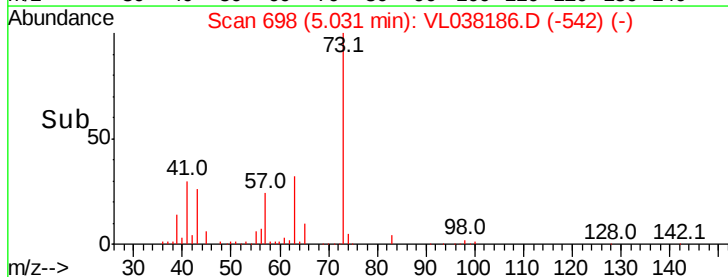
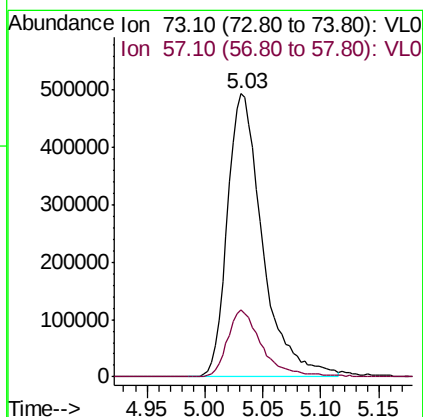
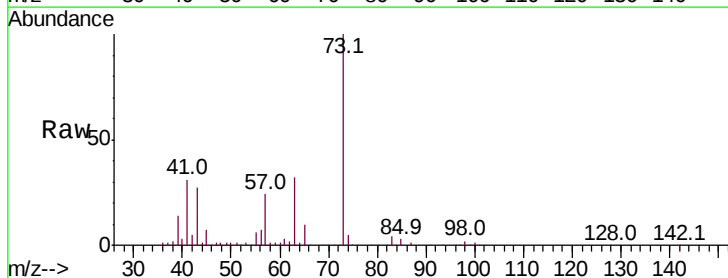
Ion	Ratio	Lower	Upper
76	100		
44	19.8	14.9	22.3
78	9.8	7.6	11.4

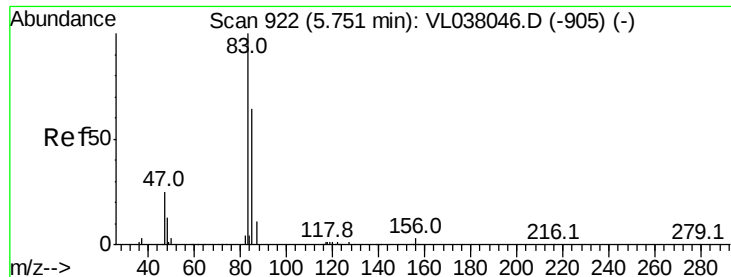


#28
Methyl tert-Butyl Ether
Concen: 8.206 ppbv
RT: 5.03 min Scan# 698
Delta R.T.: 0.00 min
Lab File: VL038186.D
Acq: 16 Dec 2021 12:35

Tgt Ion: 73 Resp: 1040881

Ion	Ratio	Lower	Upper
73	100		
57	23.6	19.0	28.4





#29

Chloroform

Concen: 8.614 ppbv

RT: 5.75

Delta R.T. MSVOA_L

Lab File:

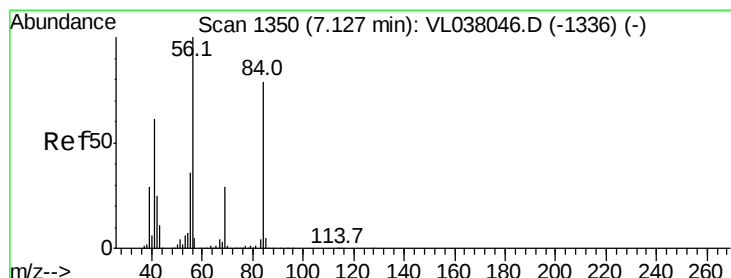
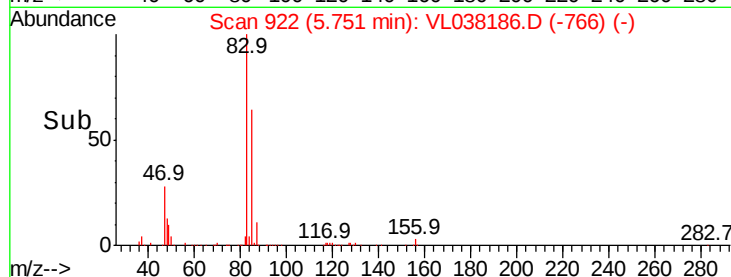
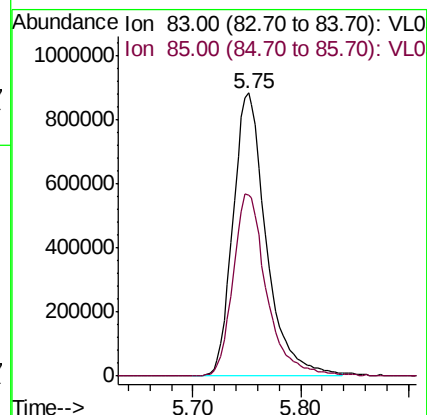
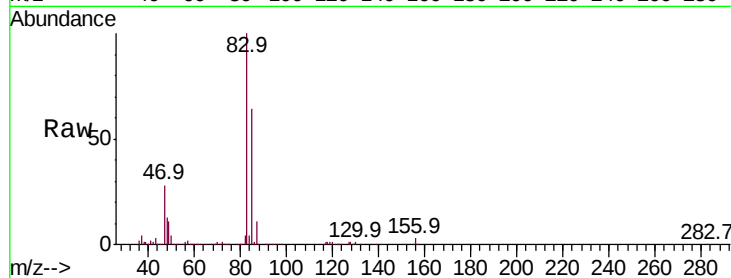
Acq: 16 Dec 2021 12:35

Tot Ion: 83 Resp: 1895601

Ion Ratio Lower Upper

83 100

85 63.9 51.0 76.6



#30

Cyclohexane

Concen: 7.319 ppbv

RT: 7.13 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VL038186.D

Acq: 16 Dec 2021 12:35

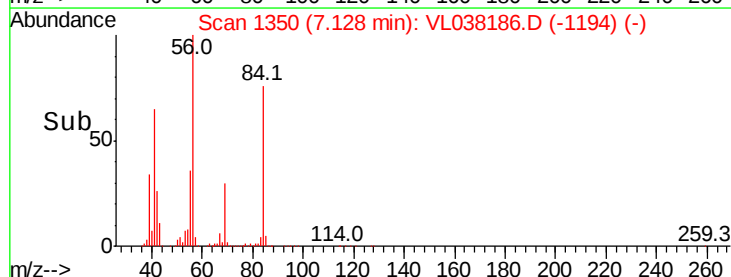
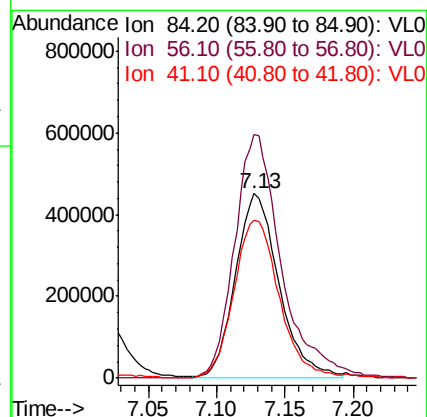
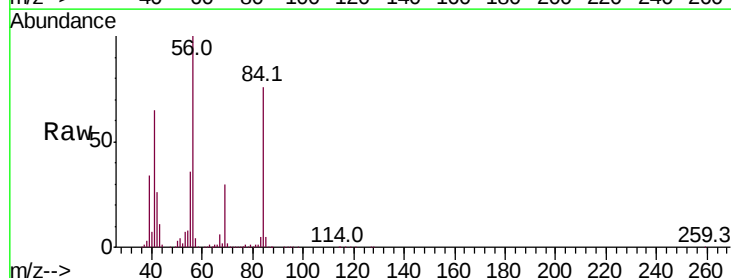
Tgt Ion: 84 Resp: 992183

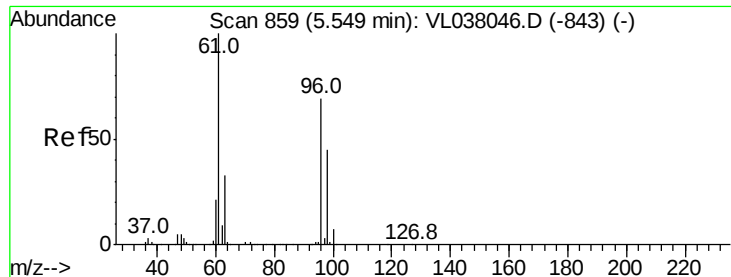
Ion Ratio Lower Upper

84 100

56 144.3 108.1 162.1

41 90.3 64.4 96.6





#31

cis-1,2-Dichloroethene

Concen: 8.423 ppbv

RT: 5.55 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 16 Dec 2021 12:35

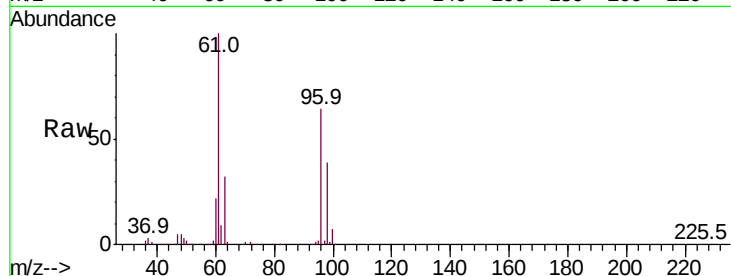
Tot Ion: 61 Resp: 1196363

Ion Ratio Lower Upper

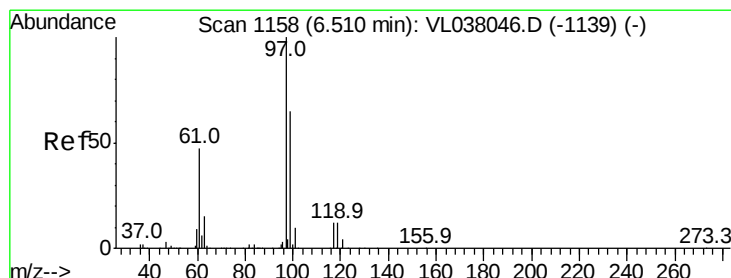
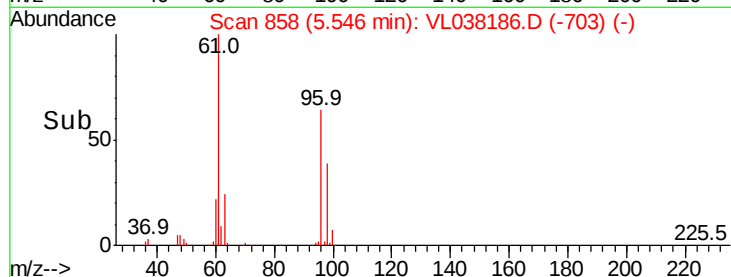
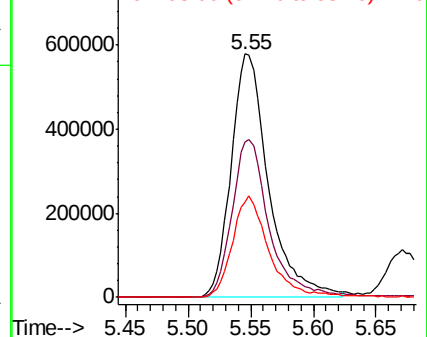
61 100

96 63.7 55.4 83.2

98 39.2 35.7 53.5



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 8.259 ppbv

RT: 6.51 min Scan# 1158

Delta R.T. 0.00 min

Lab File: VL038186.D

Acq: 16 Dec 2021 12:35

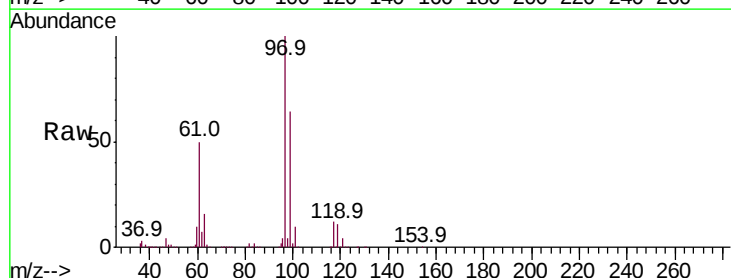
Tgt Ion: 97 Resp: 1844535

Ion Ratio Lower Upper

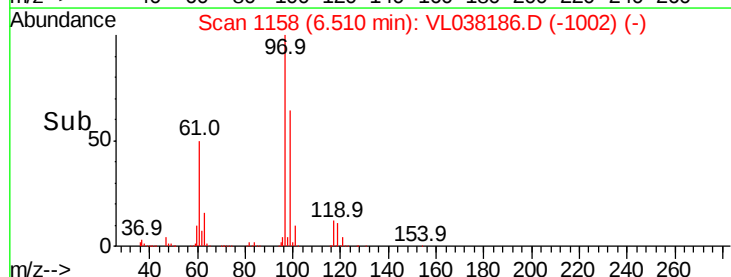
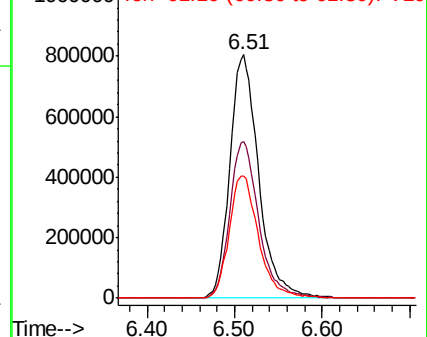
97 100

99 64.7 52.2 78.4

61 51.5 37.7 56.5



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 16 Dec 2021 12:35

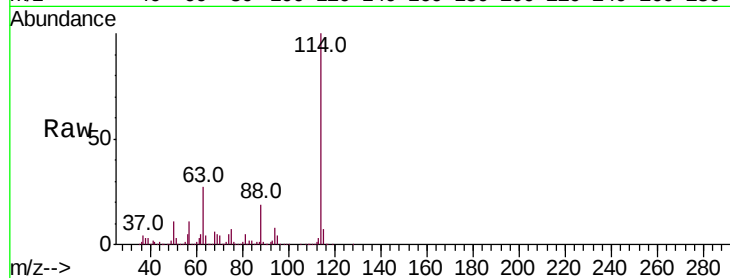
Tot Ion:114 Resp: 2864615

Ion Ratio Lower Upper

114 100

63 27.7 19.7 29.5

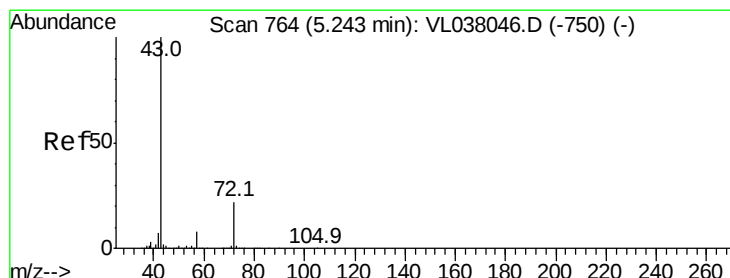
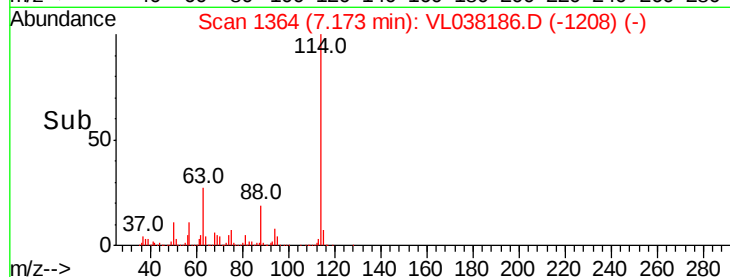
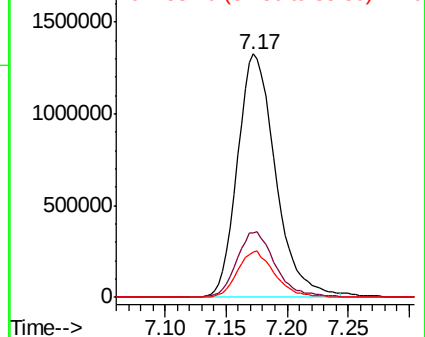
88 18.9 14.4 21.6



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 9.807 ppbv

RT: 5.24 min Scan# 763

Delta R.T. -0.00 min

Lab File: VL038186.D

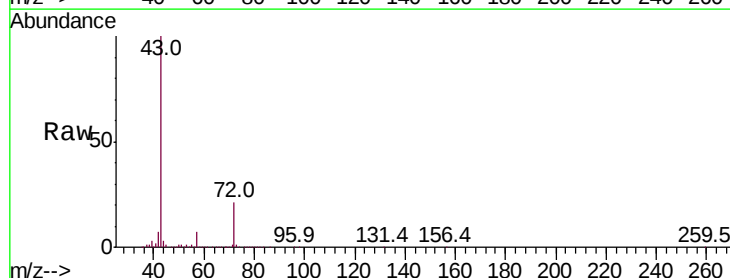
Acq: 16 Dec 2021 12:35

Tgt Ion: 43 Resp: 1132846

Ion Ratio Lower Upper

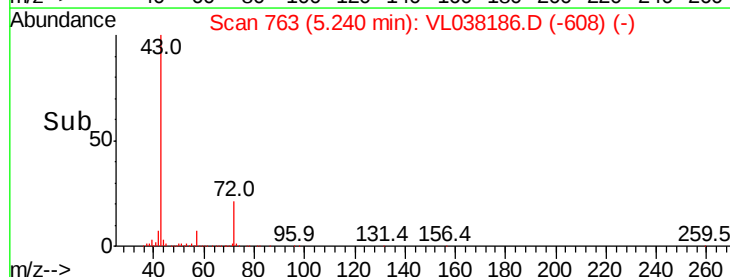
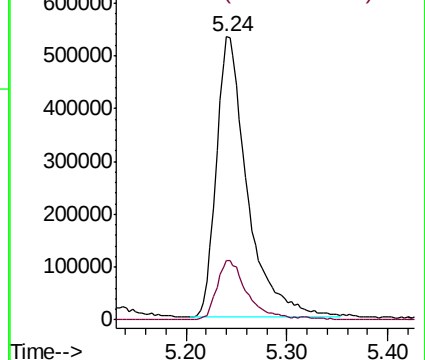
43 100

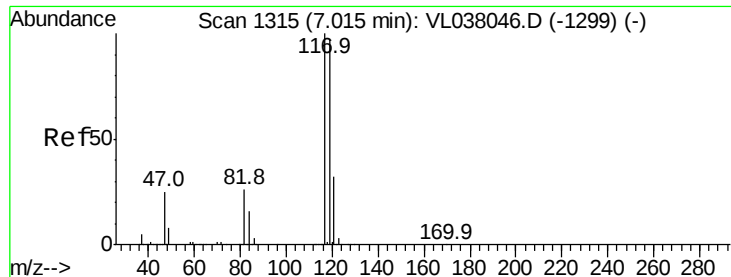
72 21.6 18.8 28.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.478 ppbv

RT: 7.02 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 16 Dec 2021 12:35

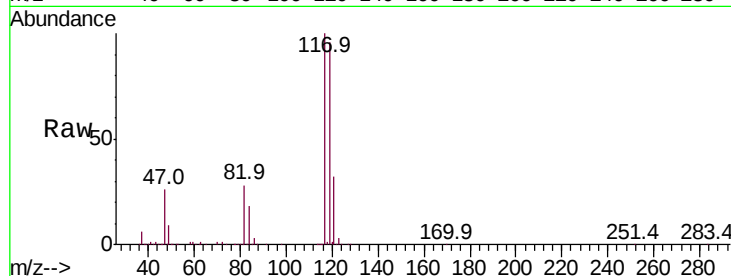
Tot Ion:117 Resp: 1907595

Ion Ratio Lower Upper

117 100

119 95.5 77.7 116.5

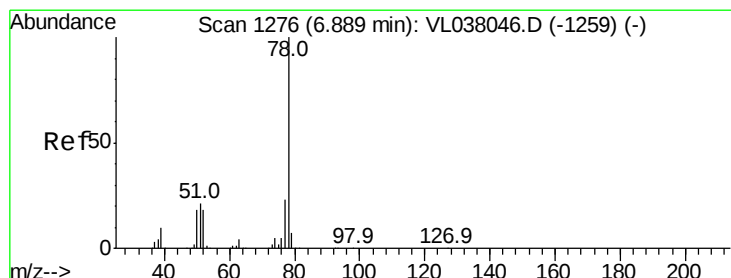
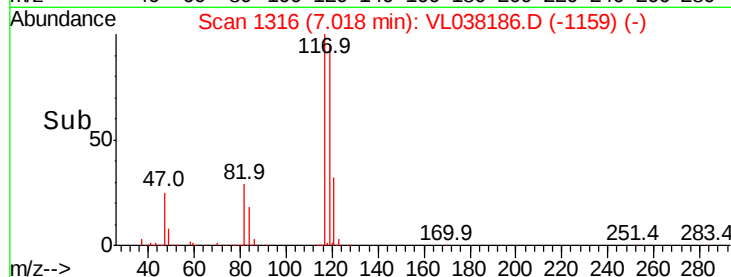
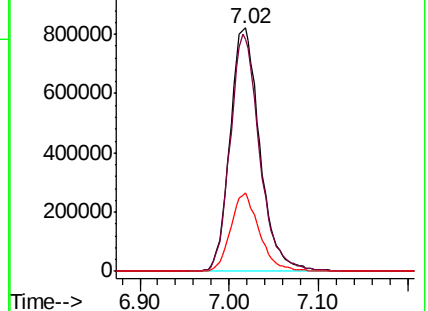
121 32.1 25.6 38.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 8.708 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VL038186.D

Acq: 16 Dec 2021 12:35

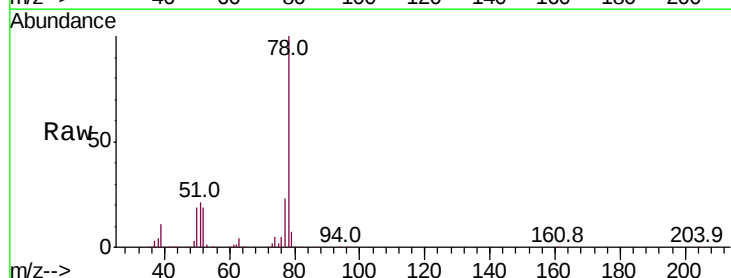
Tgt Ion: 78 Resp: 2488344

Ion Ratio Lower Upper

78 100

77 23.0 18.2 27.4

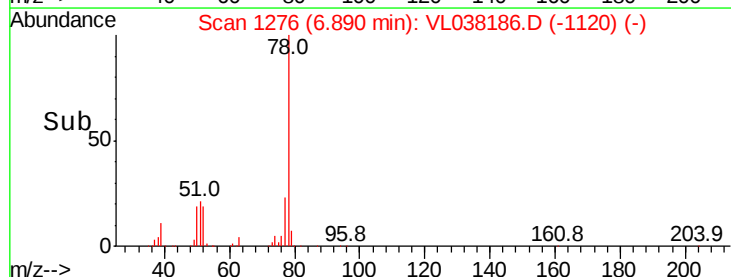
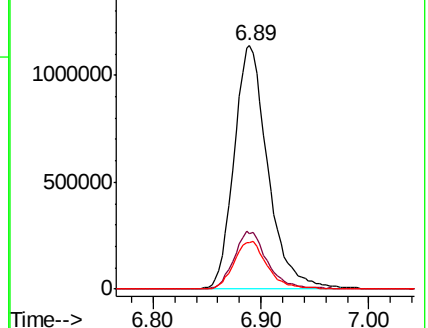
50 19.3 14.7 22.1

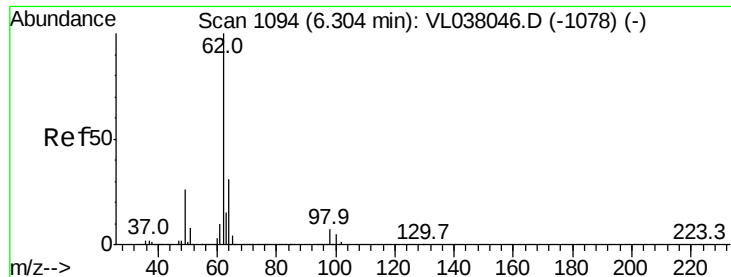


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

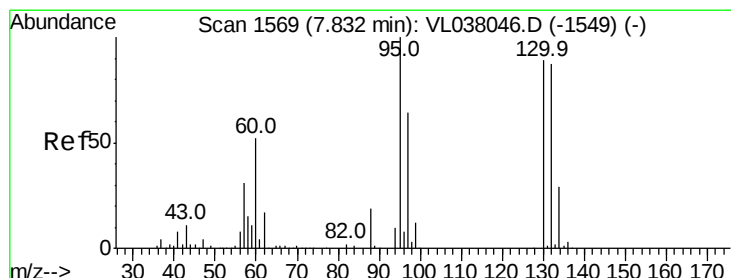
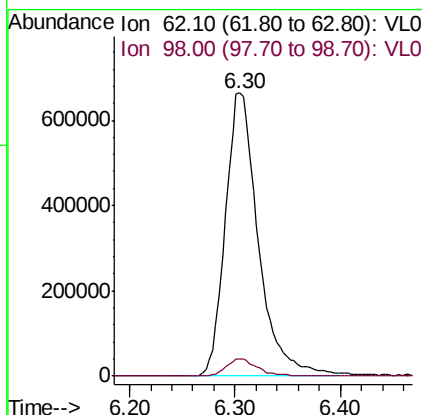
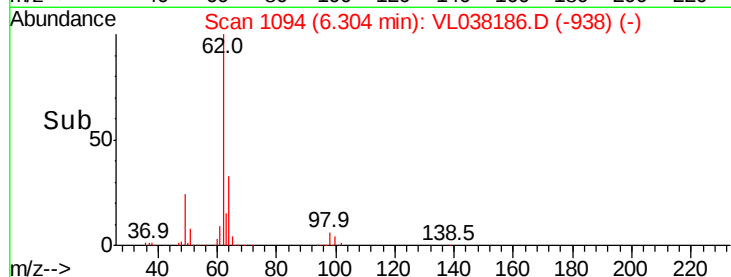
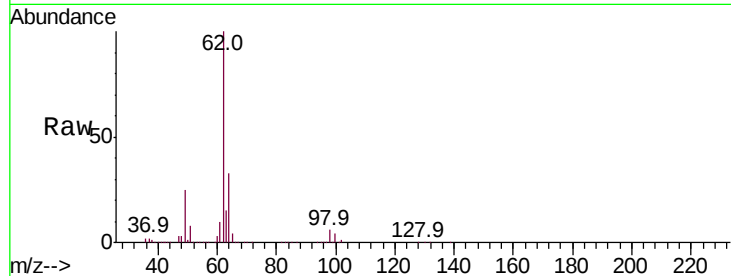
Ion 50.10 (49.80 to 50.80): VL0





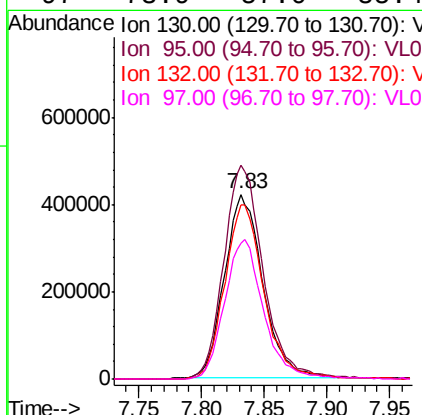
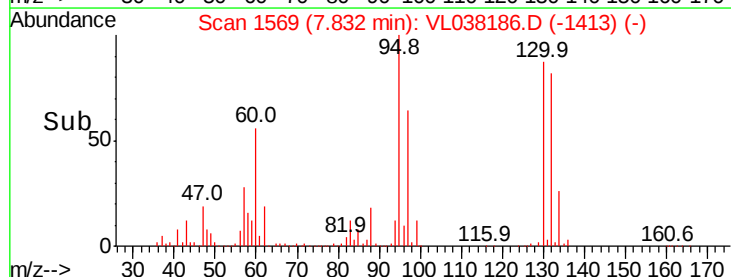
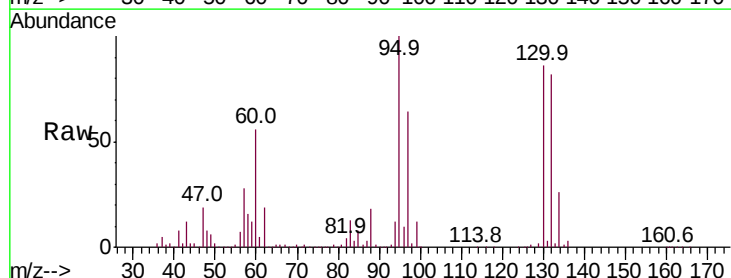
#37
 1,2-Dichloroethane
 Concen: 10.426 ppbv
 RT: 6.30
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 16 Dec 2021 12:35

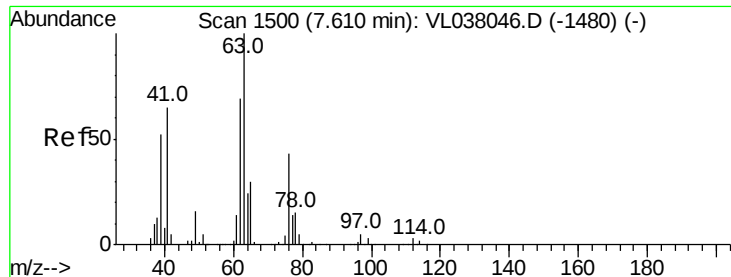
Tot Ion: 62 Resp: 1438867
 Ion Ratio Lower Upper
 62 100
 98 5.9 5.8 8.6



#38
 Trichloroethene
 Concen: 8.243 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VL038186.D
 Acq: 16 Dec 2021 12:35

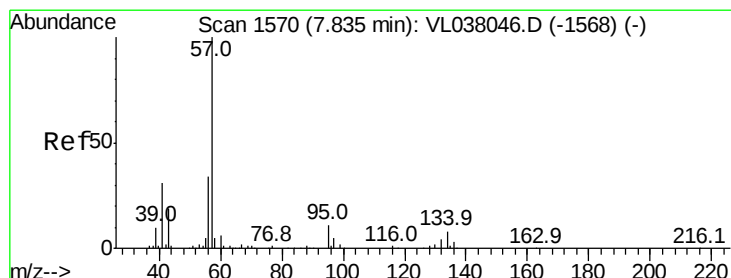
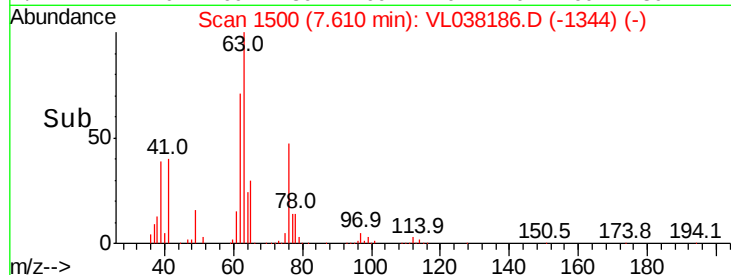
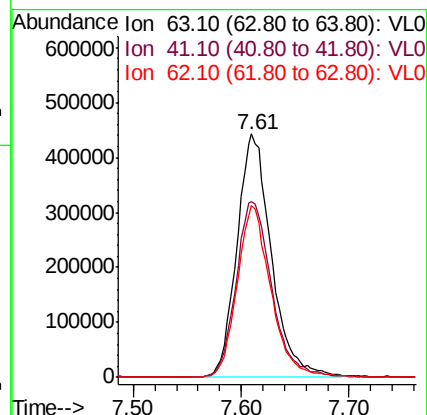
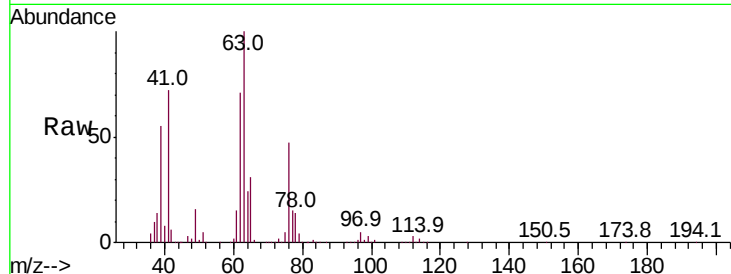
Tgt Ion:130 Resp: 888447
 Ion Ratio Lower Upper
 130 100
 95 116.2 89.4 134.2
 132 94.7 78.2 117.2
 97 73.9 57.0 85.4





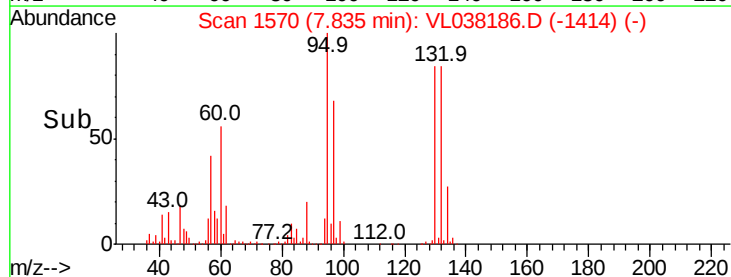
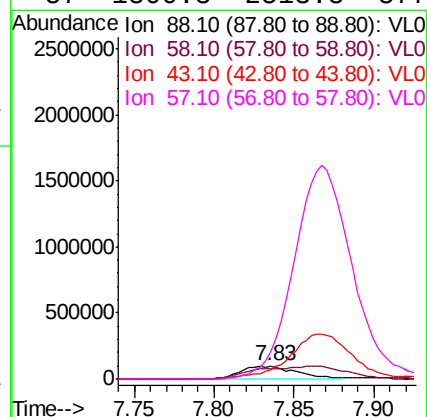
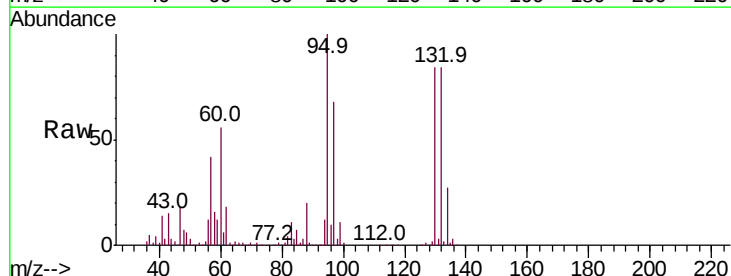
#39
 1,2-Dichloropropane
 Concen: 8.986 ppbv
 RT: 7.61 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 16 Dec 2021 12:35

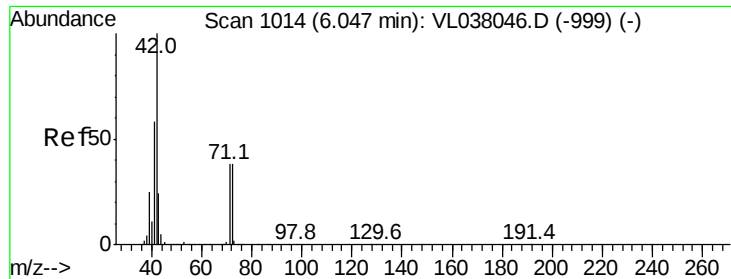
Tot Ion	Ratio	Lower	Upper
63	100		
41	72.2	52.3	78.5
62	70.4	55.1	82.7



#40
 1,4-Dioxane
 Concen: 8.065 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: VL038186.D
 Acq: 16 Dec 2021 12:35

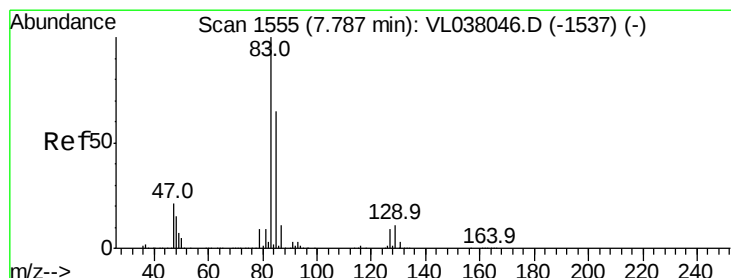
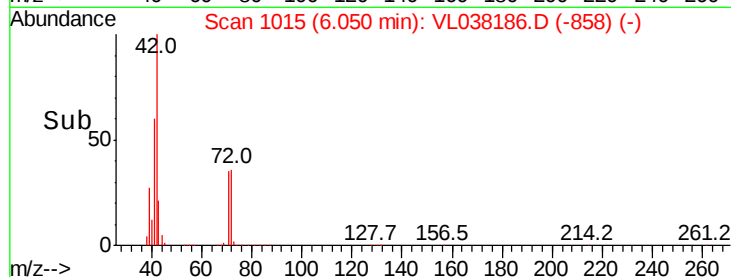
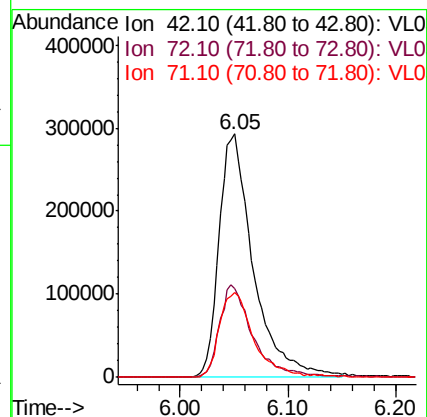
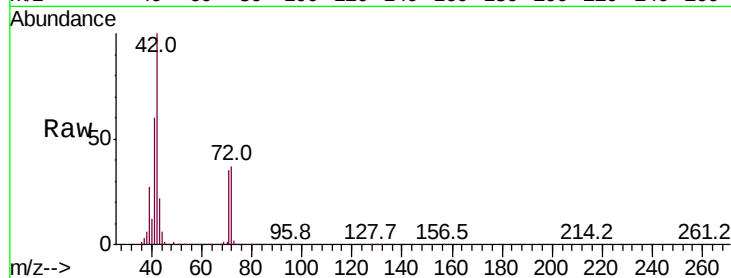
Tgt Ion	Ratio	Lower	Upper
88	100		
58	169.2	229.2	343.8#
43	415.0	553.3	829.9#
57	1800.3	2513.8	3770.8#





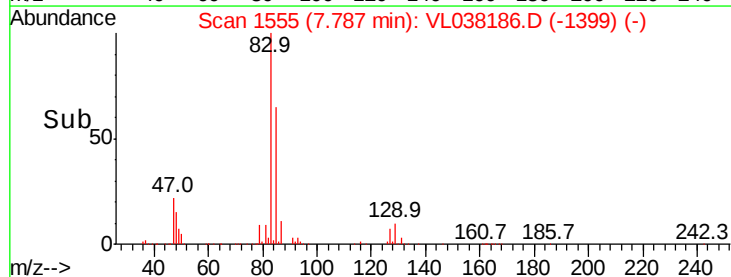
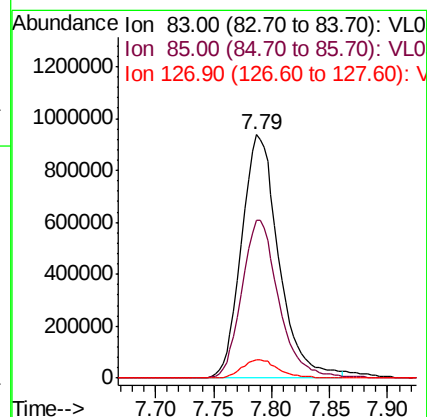
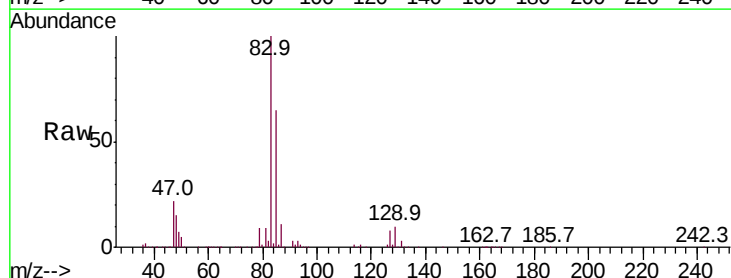
#41
Tetrahydrofuran
Concen: 9.004 ppbv
RT: 6.05
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 16 Dec 2021 12:35

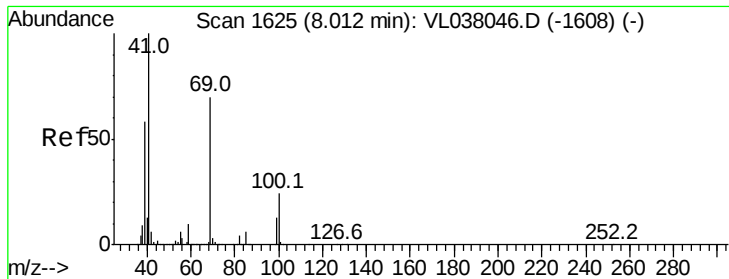
Tot Ion	Ratio	Lower	Upper
42	100		
72	37.4	31.7	47.5
71	35.8	30.6	46.0



#42
Bromodichloromethane
Concen: 10.000 ppbv
RT: 7.79 min Scan# 1555
Delta R.T.: 0.00 min
Lab File: VL038186.D
Acq: 16 Dec 2021 12:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.9	77.9
127	7.5	6.8	10.2





#43

Methyl Methacrylate

Concen: 9.654 ppbv

RT: 8.01

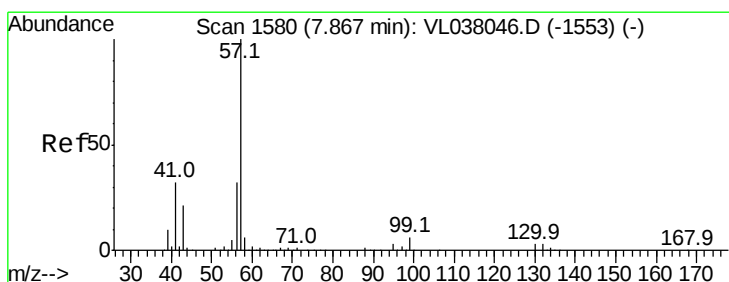
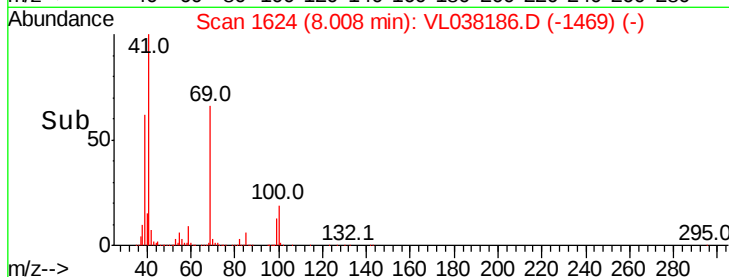
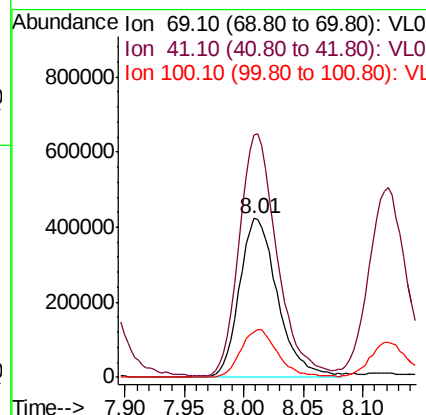
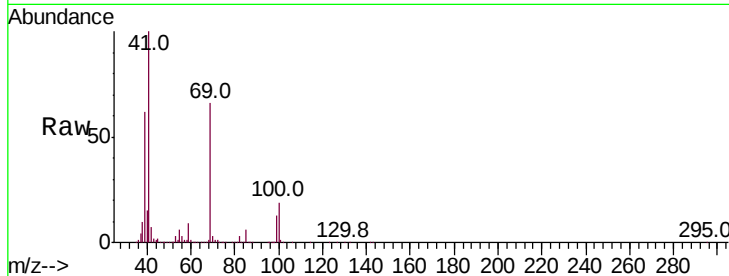
Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 16 Dec 2021 12:35

Tot Ion	Ratio	Lower	Upper
69	100		
41	152.3	116.7	175.1
100	29.3	27.3	40.9



#44

2,2,4-Trimethylpentane

Concen: 8.643 ppbv

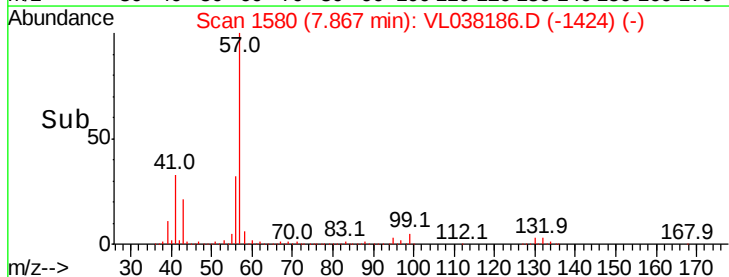
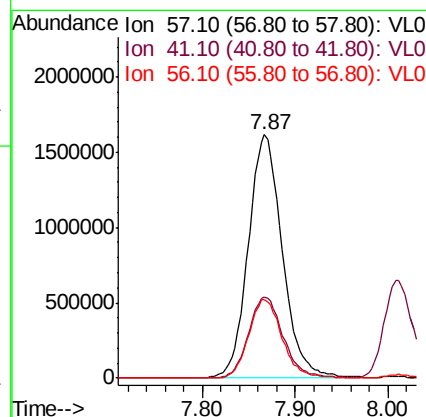
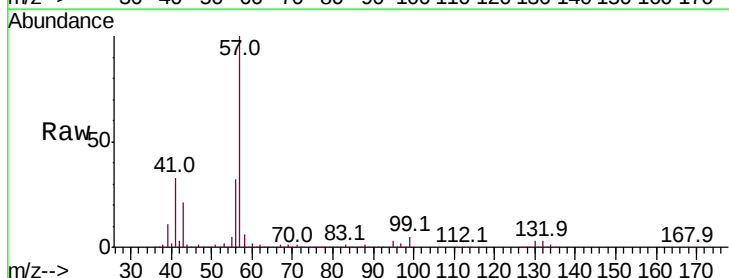
RT: 7.87 min Scan# 1580

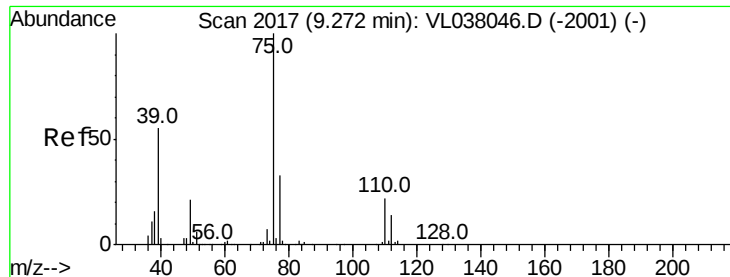
Delta R.T. 0.00 min

Lab File: VL038186.D

Acq: 16 Dec 2021 12:35

Tgt Ion	Ratio	Lower	Upper
57	100		
41	33.8	25.8	38.6
56	31.8	25.6	38.4





#45

t-1,3-Dichloropropene

Concen: 10.829 ppbv

RT: 9.28 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

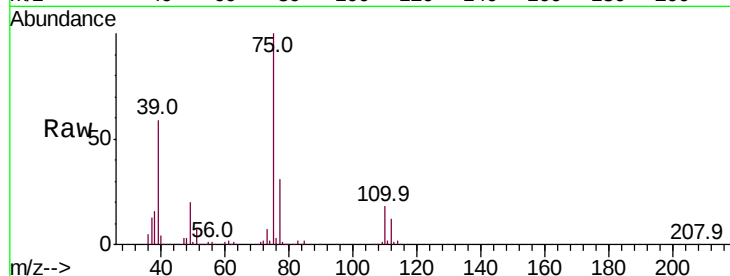
Acq: 16 Dec 2021 12:35

Tot Ion: 75 Resp: 849168

Ion Ratio Lower Upper

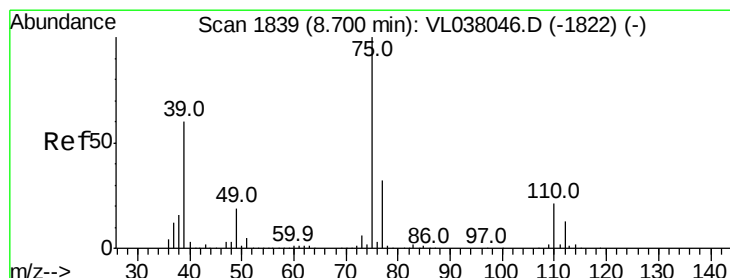
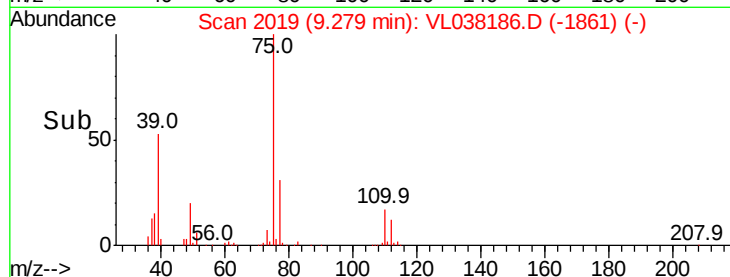
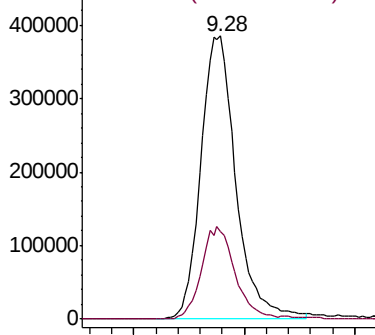
75 100

77 30.8 26.2 39.4



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 10.026 ppbv

RT: 8.70 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VL038186.D

Acq: 16 Dec 2021 12:35

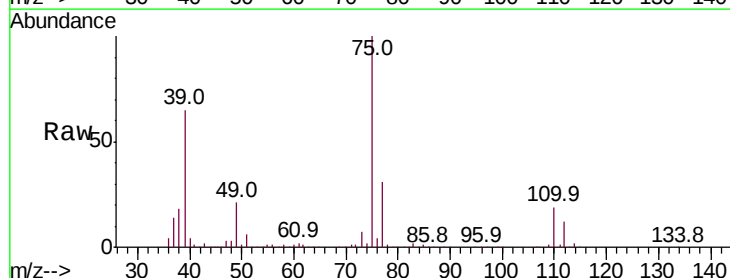
Tgt Ion: 75 Resp: 1063395

Ion Ratio Lower Upper

75 100

39 65.3 47.8 71.8

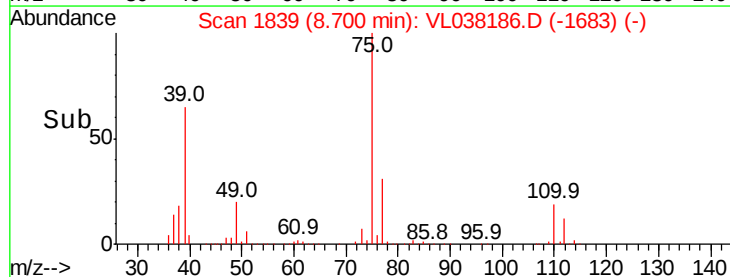
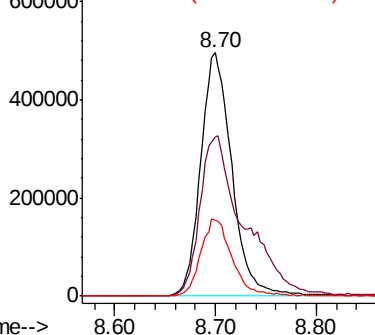
77 31.2 25.5 38.3

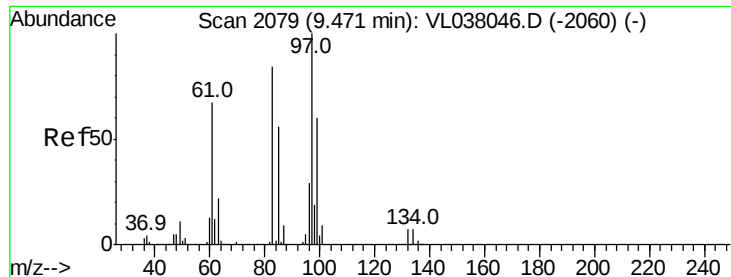


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

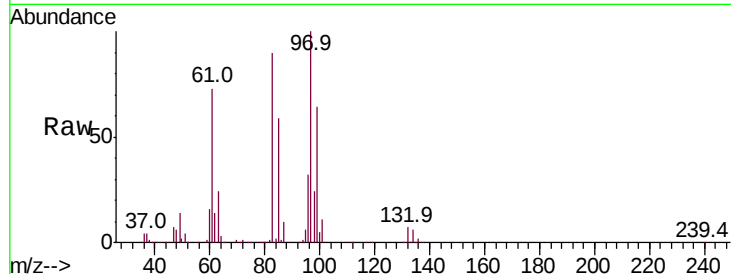
Ion 77.00 (76.70 to 77.70): VL0



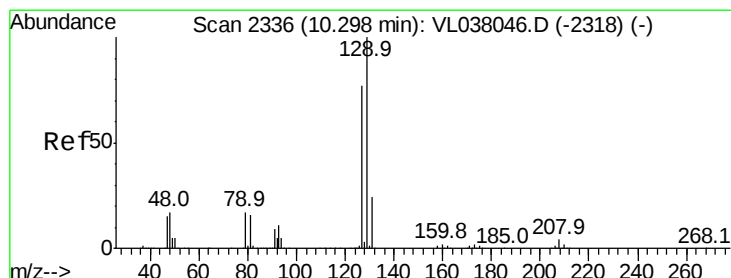
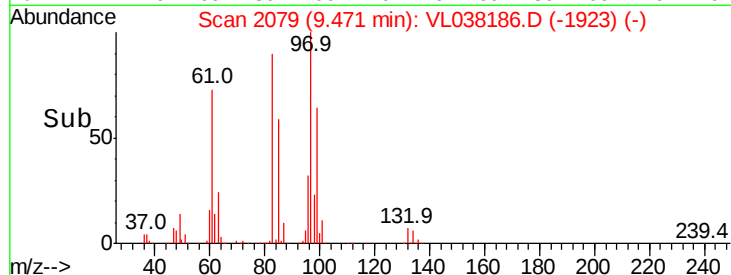
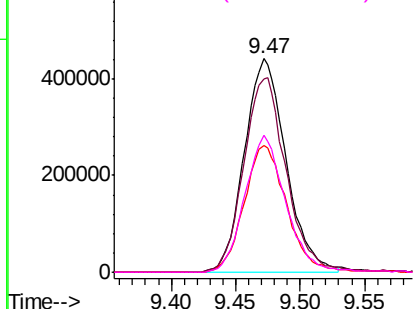


#47
 1,1,2-Trichloroethane
 Concen: 8.670 ppbv
 RT: 9.47 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 16 Dec 2021 12:35

Tot Ion:	97	Resp:	995261
Ion	Ratio	Lower	Upper
97	100		
83	90.3	66.8	100.2
85	59.0	44.9	67.3
99	64.0	48.0	72.0

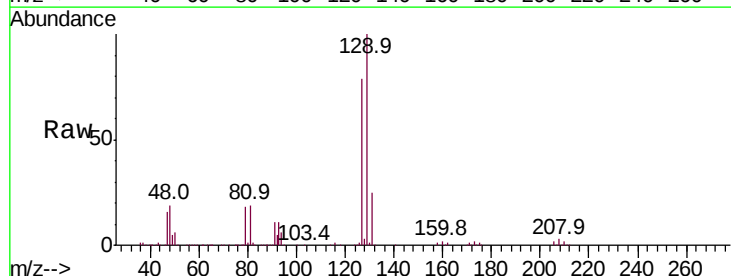


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

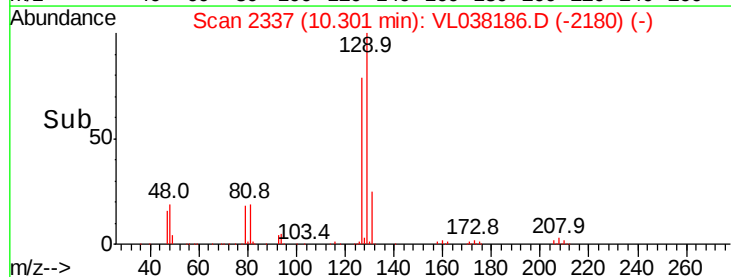
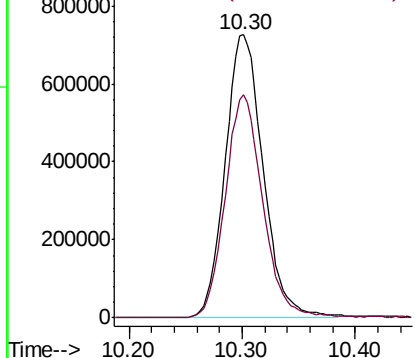


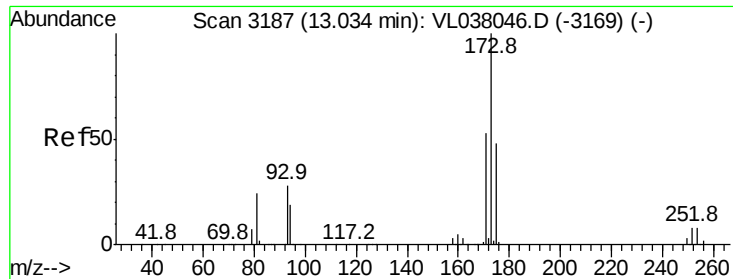
#48
 Dibromochloromethane
 Concen: 9.697 ppbv
 RT: 10.30 min Scan# 2337
 Delta R.T. 0.00 min
 Lab File: VL038186.D
 Acq: 16 Dec 2021 12:35

Tgt Ion:	129	Resp:	1695373
Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.4	118.1



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.278 ppbv

RT: 13.03

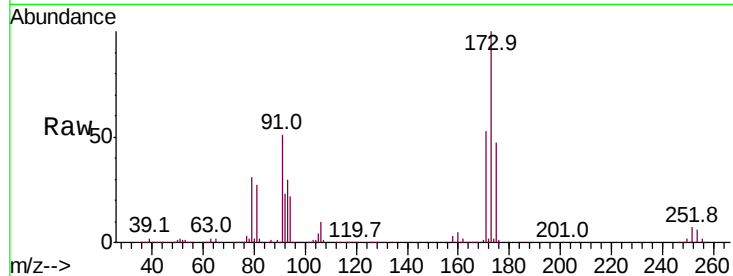
Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Dec 2021 12:35

Tot Ion:173 Resp: 1285442

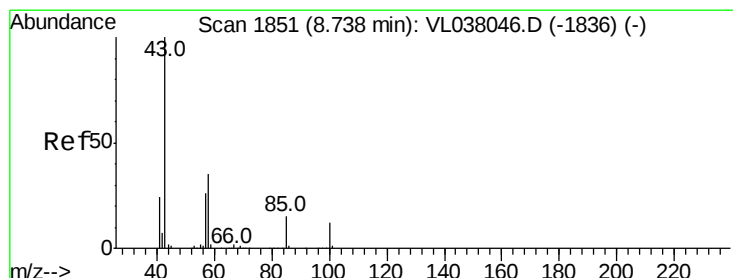
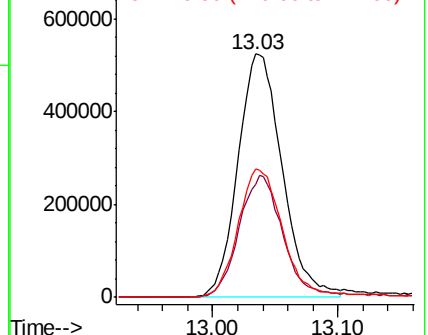
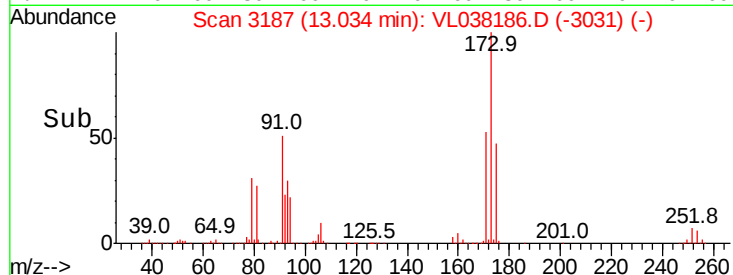
Ion	Ratio	Lower	Upper
173	100		
175	51.5	42.5	63.7
171	54.4	44.0	66.0



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.158 ppbv

RT: 8.74 min Scan# 1851

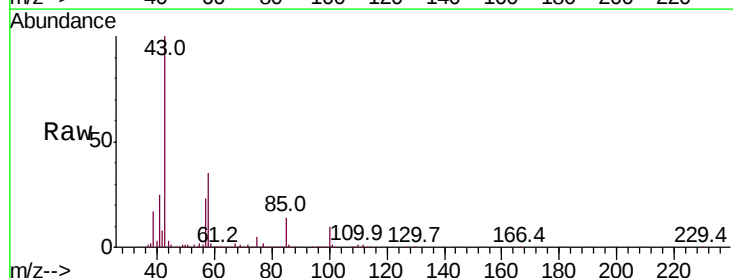
Delta R.T. 0.00 min

Lab File: VL038186.D

Acq: 16 Dec 2021 12:35

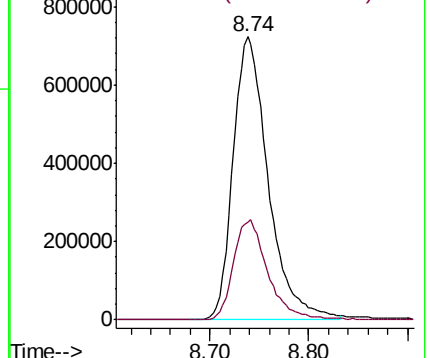
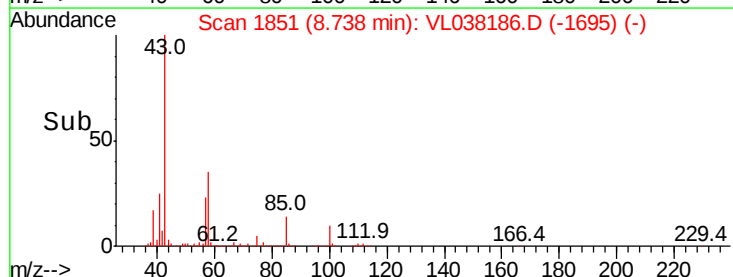
Tgt Ion: 43 Resp: 1781956

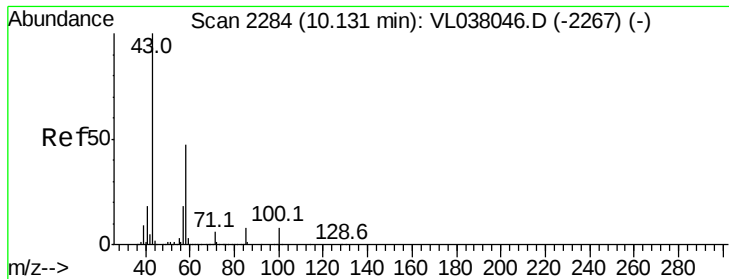
Ion	Ratio	Lower	Upper
43	100		
58	35.1	29.4	44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

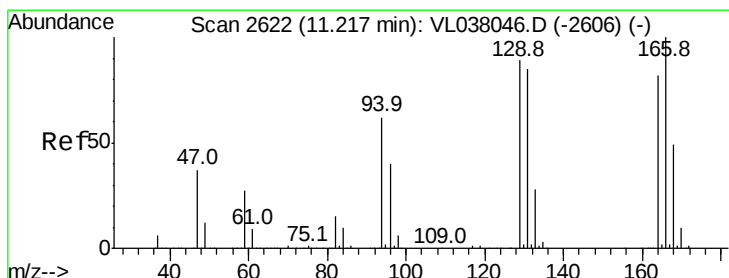
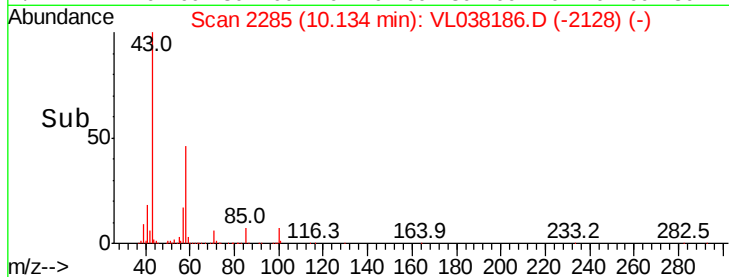
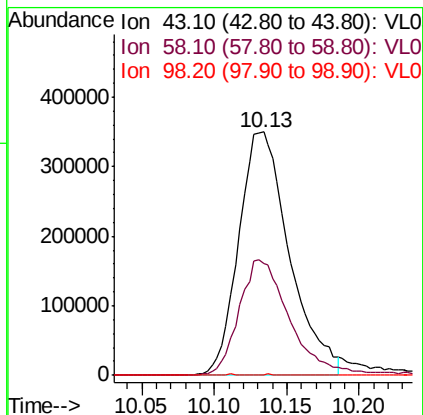
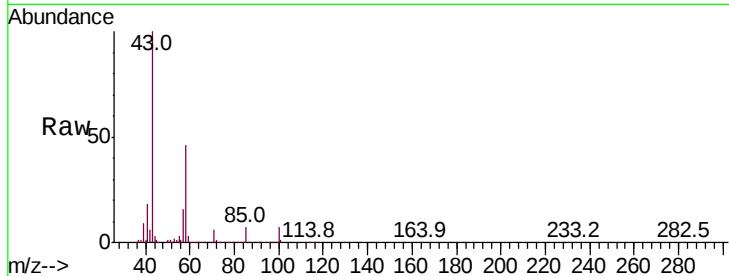
Ion 58.10 (57.80 to 58.80): VL0





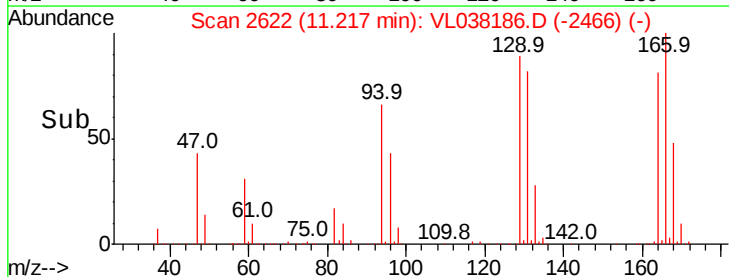
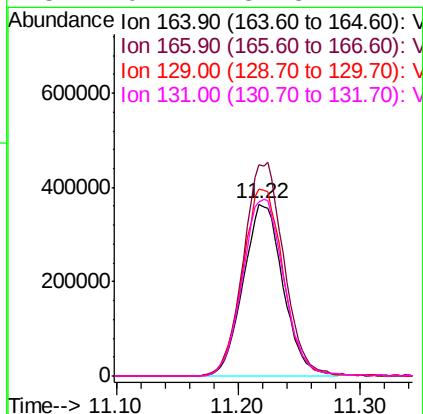
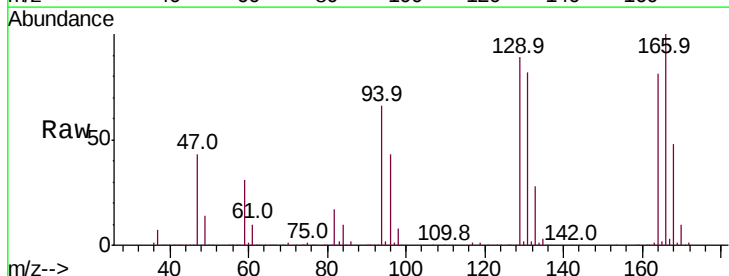
#51
2-Hexanone
Concen: 10.296 ppbv
RT: 10.13 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 16 Dec 2021 12:35

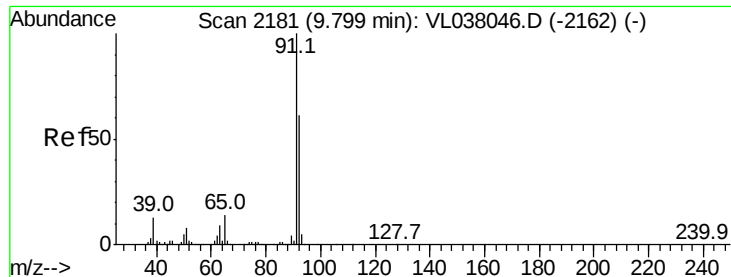
Tot Ion	Ratio	Lower	Upper
43	100		
58	48.1	41.1	61.7
98	0.3	0.1	0.1#



#52
Tetrachloroethene
Concen: 7.717 ppbv
RT: 11.22 min Scan# 2622
Delta R.T.: 0.00 min
Lab File: VL038186.D
Acq: 16 Dec 2021 12:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.2	97.2	145.8
129	109.1	86.9	130.3
131	101.1	82.8	124.2





#53

Toluene

Concen: 8.578 ppbv

RT: 9.80 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

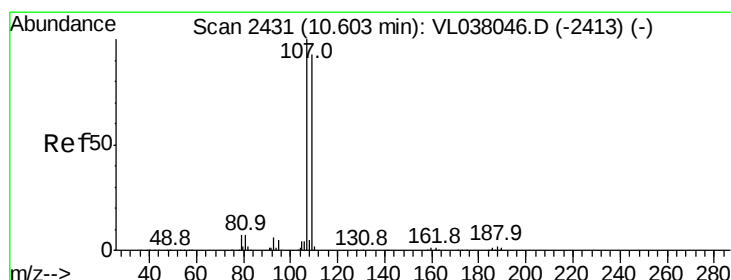
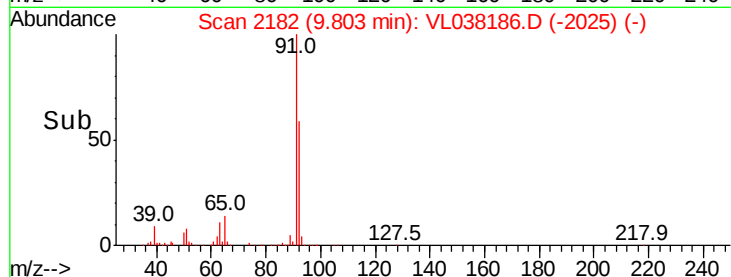
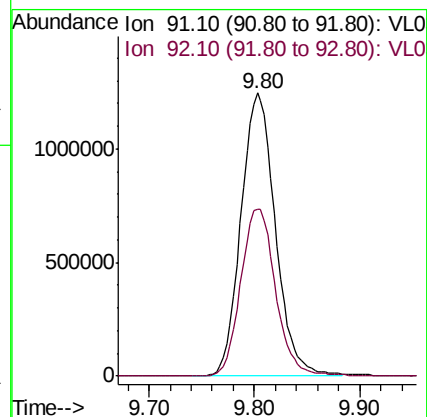
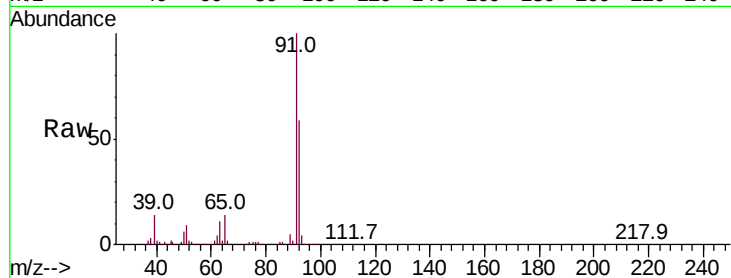
Acq: 16 Dec 2021 12:35

Tot Ion: 91 Resp: 2820200

Ion Ratio Lower Upper

91 100

92 60.3 49.7 74.5



#54

1,2-Dibromoethane

Concen: 9.116 ppbv

RT: 10.61 min Scan# 2432

Delta R.T. 0.00 min

Lab File: VL038186.D

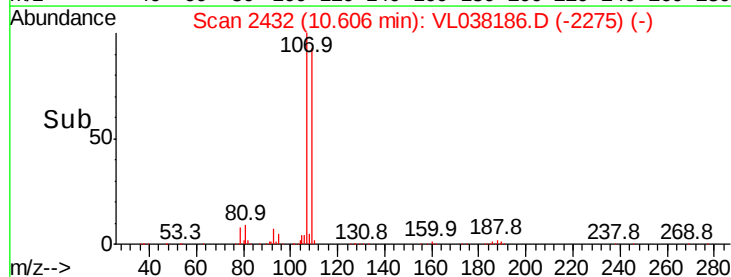
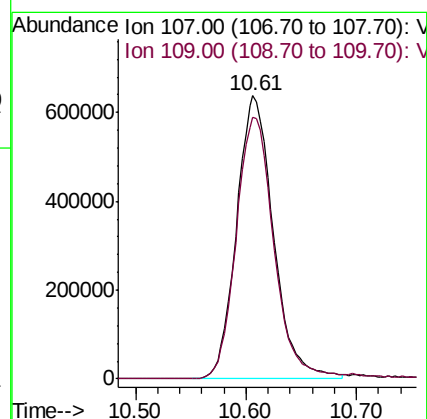
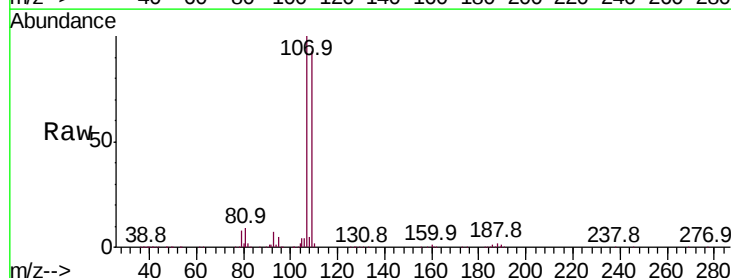
Acq: 16 Dec 2021 12:35

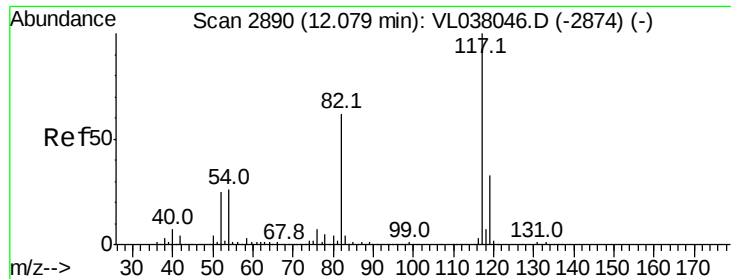
Tgt Ion: 107 Resp: 1478289

Ion Ratio Lower Upper

107 100

109 92.6 74.6 111.8

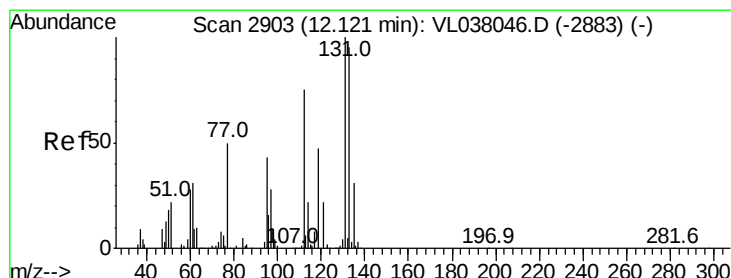
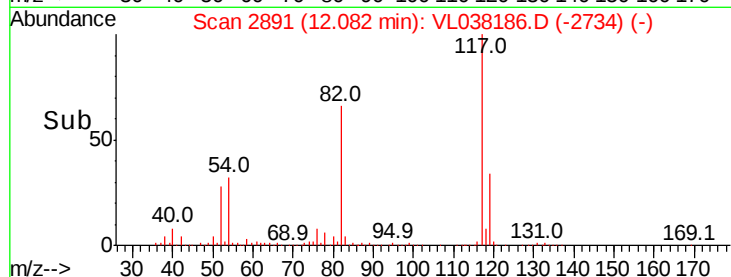
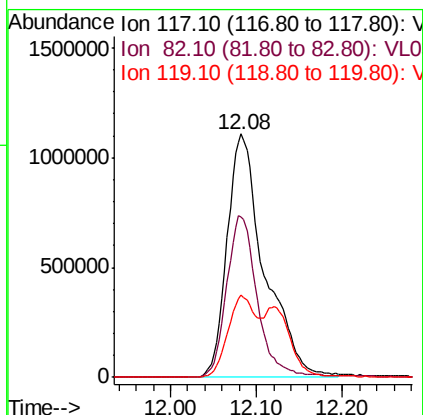
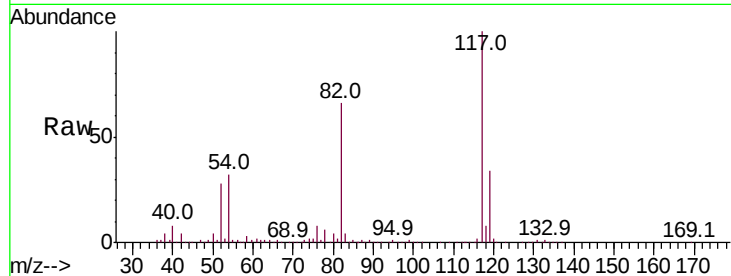




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 16 Dec 2021 12:35

Tot Ion:117 Resp: 3338792

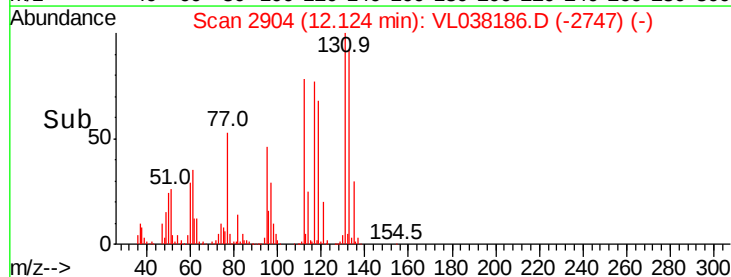
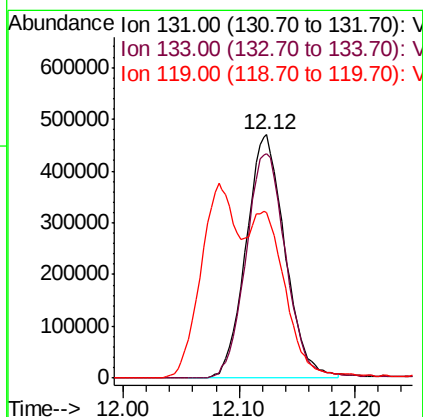
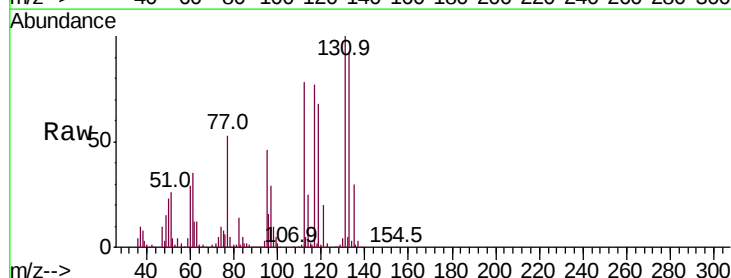
Ion	Ratio	Lower	Upper
117	100		
82	55.4	52.8	79.2
119	24.1	26.8	40.2

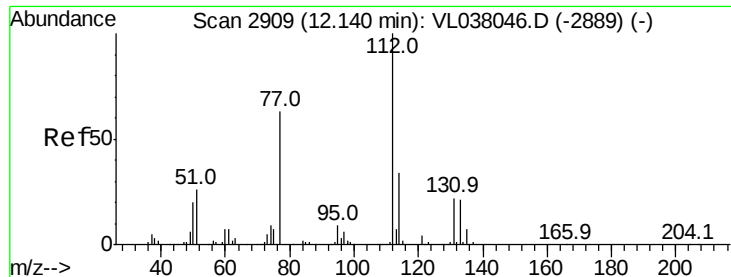


#56
1,1,1,2-Tetrachloroethane
Concen: 7.217 ppbv
RT: 12.12 min Scan# 2904
Delta R.T.: 0.00 min
Lab File: VL038186.D
Acq: 16 Dec 2021 12:35

Tgt Ion:131 Resp: 1093914

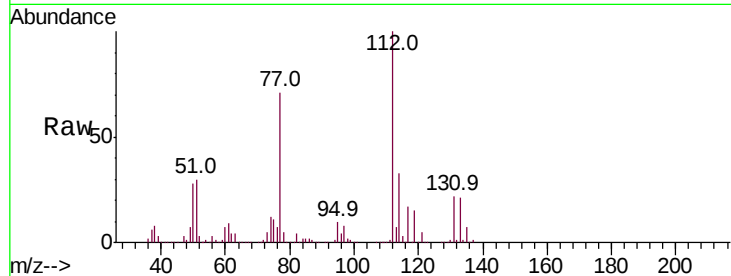
Ion	Ratio	Lower	Upper
131	100		
133	96.8	78.8	118.2
119	64.1	56.3	84.5



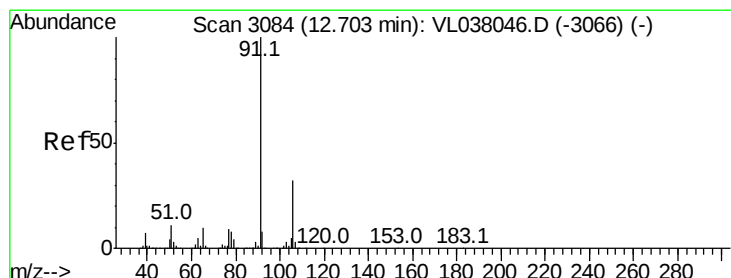
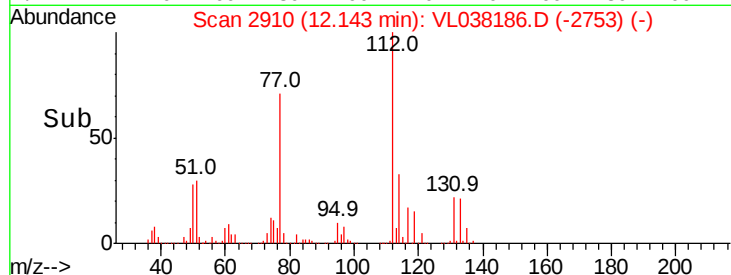
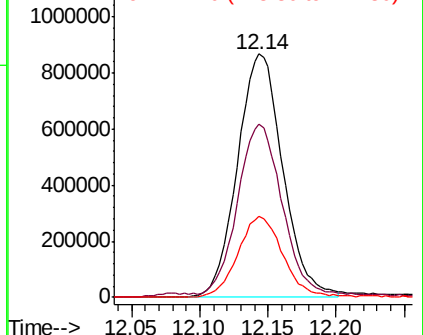


#57
Chlorobenzene
Concen: 6.687 ppbv
RT: 12.14 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 16 Dec 2021 12:35

Tot Ion: 112 Resp: 2000953
Ion Ratio Lower Upper
112 100
77 70.1 50.3 75.5
114 32.5 30.7 37.5

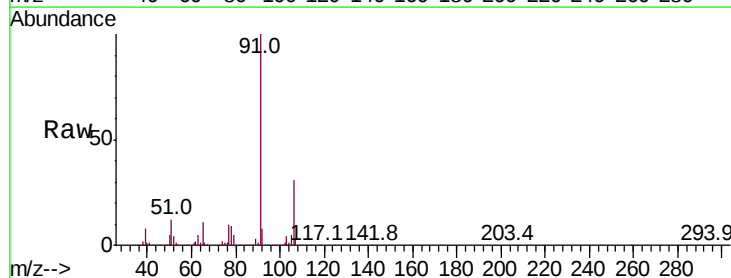


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

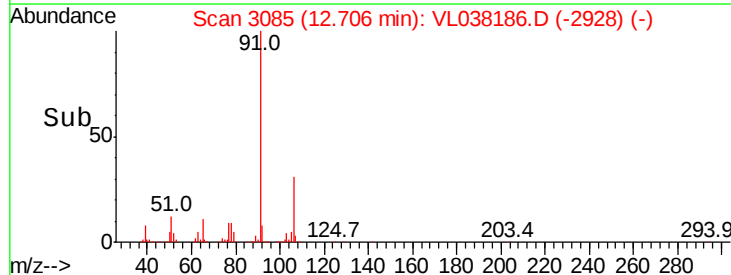
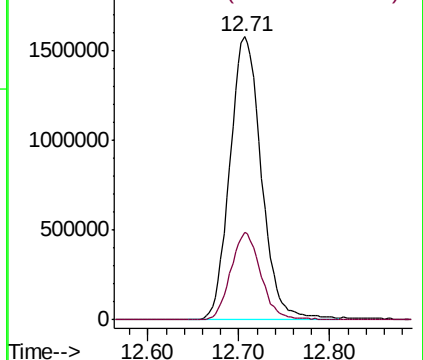


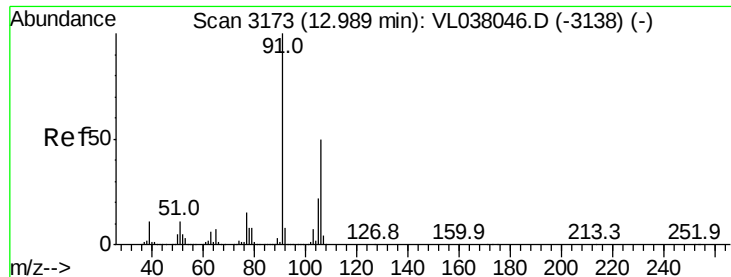
#58
Ethyl Benzene
Concen: 6.875 ppbv
RT: 12.71 min Scan# 3085
Delta R.T.: 0.00 min
Lab File: VL038186.D
Acq: 16 Dec 2021 12:35

Tgt Ion: 91 Resp: 3793840
Ion Ratio Lower Upper
91 100
106 31.0 25.8 38.6



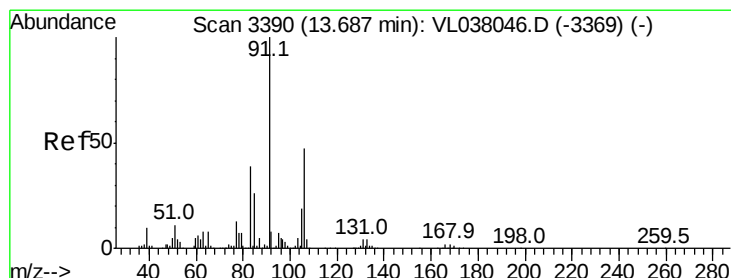
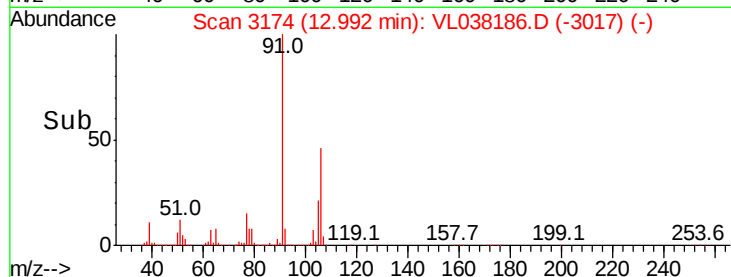
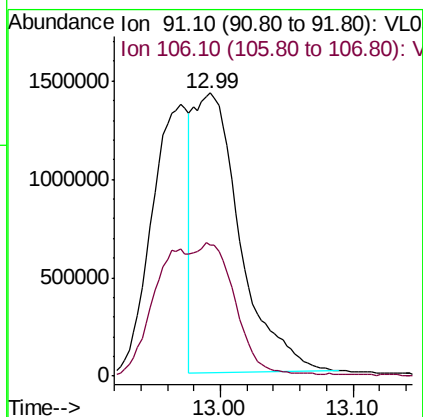
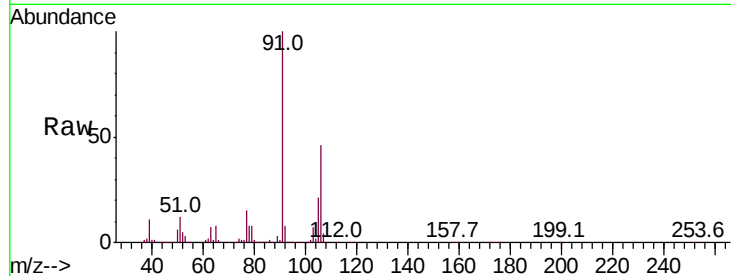
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





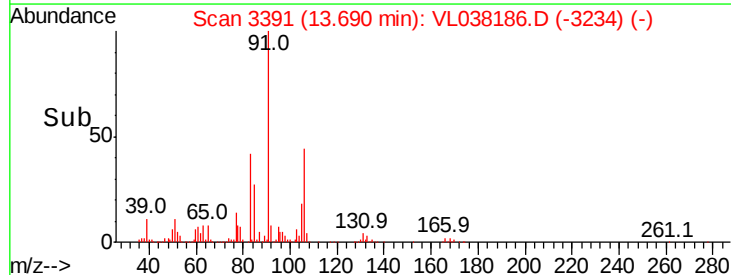
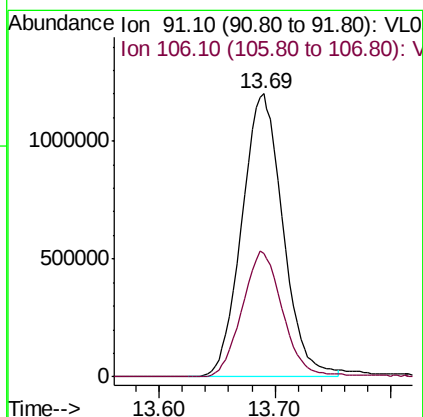
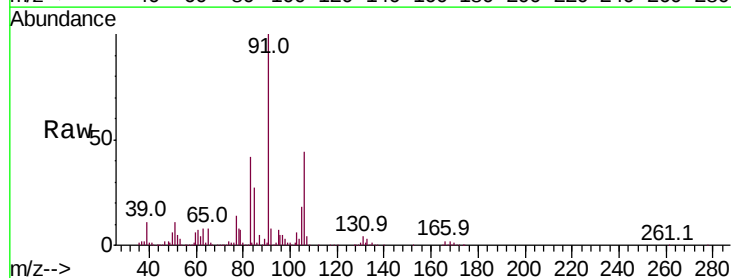
#59
m/p-Xylene
Concen: 7.467 ppbv
RT: 12.99 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 16 Dec 2021 12:35

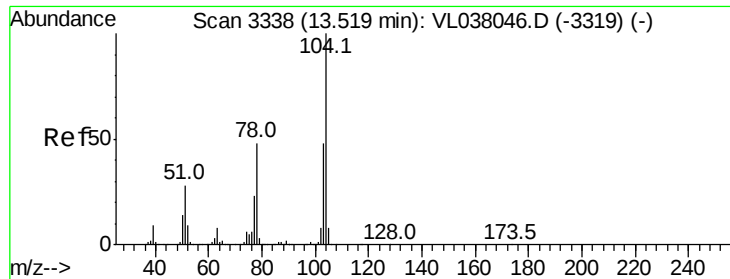
Tot Ion: 91 Resp: 3468618
Ion Ratio Lower Upper
91 100
106 79.6 38.1 57.1#



#60
o-Xylene
Concen: 6.860 ppbv
RT: 13.69 min Scan# 3391
Delta R.T.: 0.00 min
Lab File: VL038186.D
Acq: 16 Dec 2021 12:35

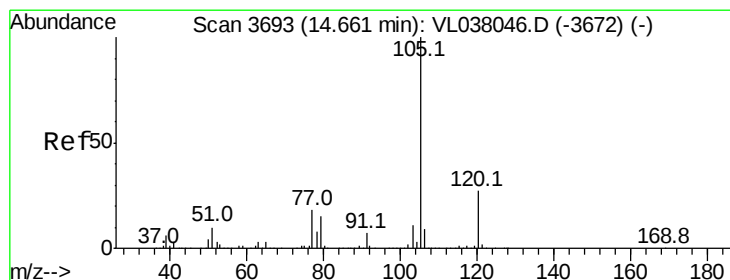
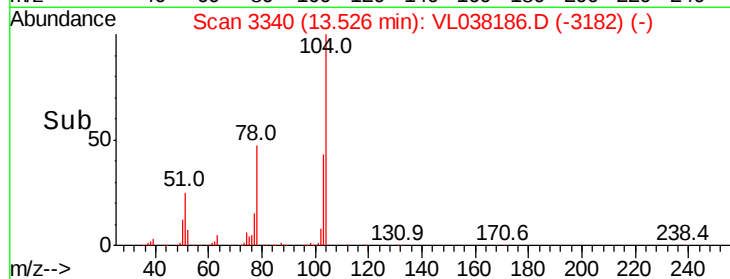
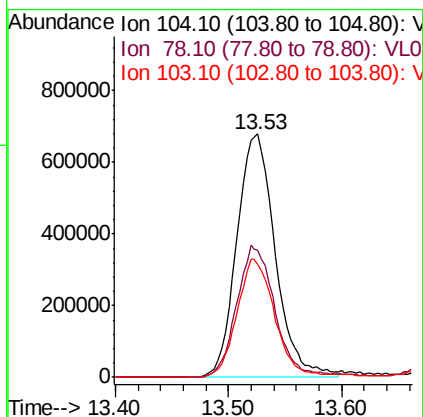
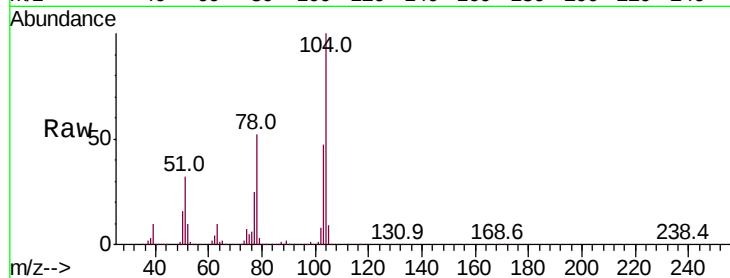
Tgt Ion: 91 Resp: 2956098
Ion Ratio Lower Upper
91 100
106 44.6 24.2 72.6





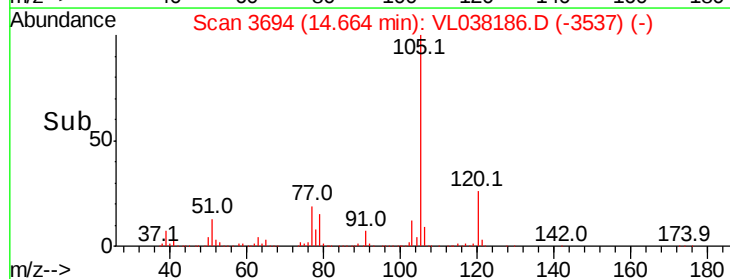
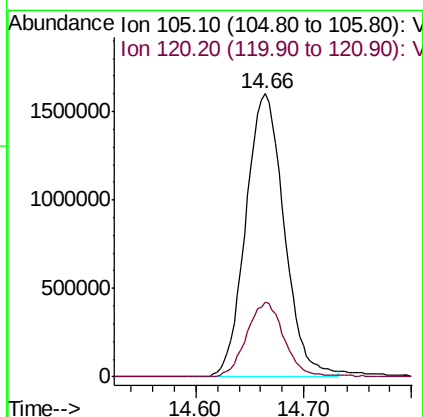
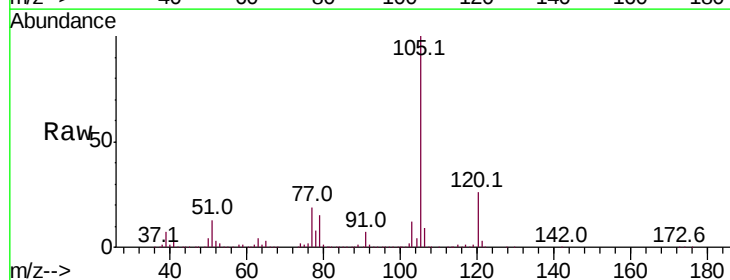
#61
Stvrene
Concen: 6.964 ppbv
RT: 13.53
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 16 Dec 2021 12:35

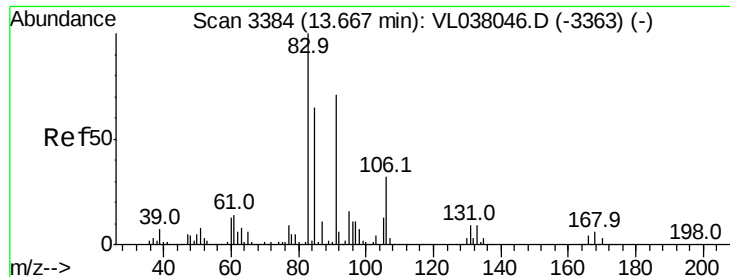
Tot Ion:104 Resp: 1609033
Ion Ratio Lower Upper
104 100
78 54.6 39.8 59.6
103 48.3 38.2 57.2



#62
Isopropylbenzene
Concen: 6.486 ppbv
RT: 14.66 min Scan# 3694
Delta R.T. 0.00 min
Lab File: VL038186.D
Acq: 16 Dec 2021 12:35

Tgt Ion:105 Resp: 3967478
Ion Ratio Lower Upper
105 100
120 26.2 21.8 32.6





#63

1,1,2,2-Tetrachloroethane

Concen: 6.829 ppbv

RT: 13.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Dec 2021 12:35

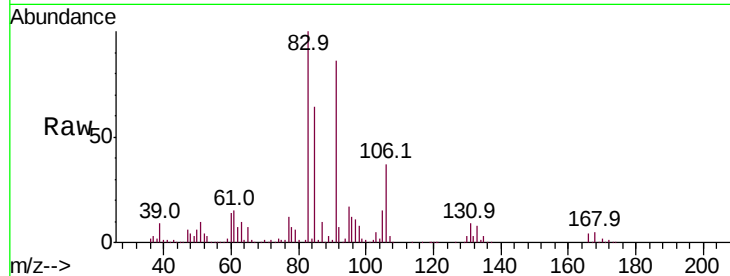
Tot Ion: 83 Resp: 2185980

Ion Ratio Lower Upper

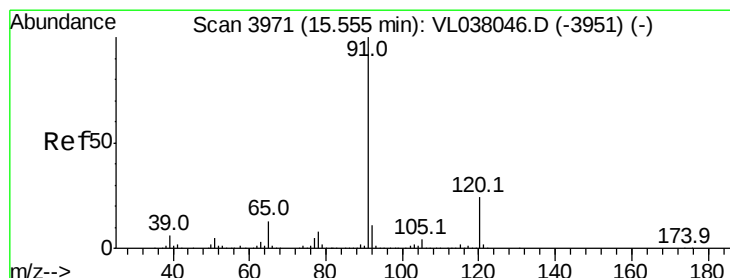
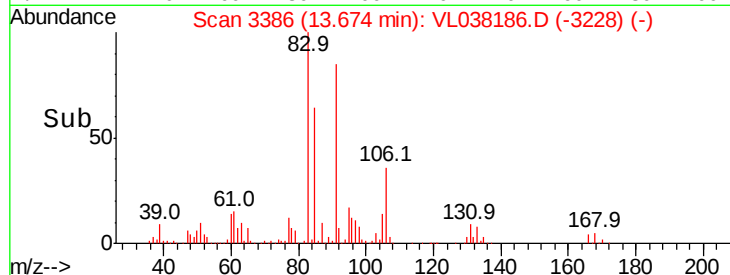
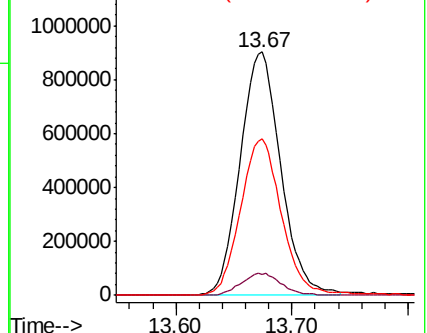
83 100

131 9.2 4.9 14.7

85 66.1 33.4 100.1



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 6.626 ppbv

RT: 15.56 min Scan# 3972

Delta R.T. 0.00 min

Lab File: VL038186.D

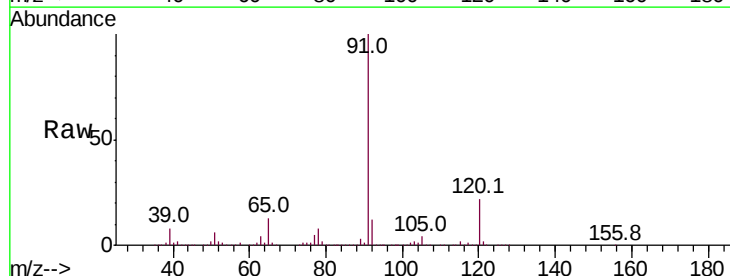
Acq: 16 Dec 2021 12:35

Tgt Ion:120 Resp: 1032575

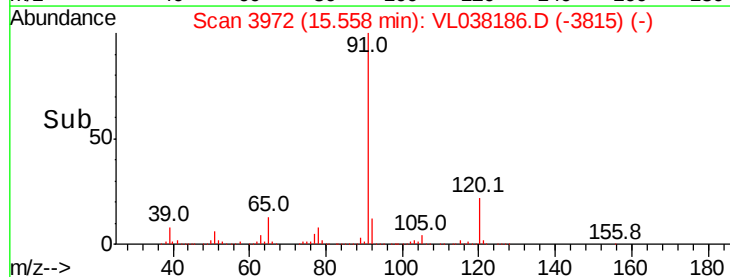
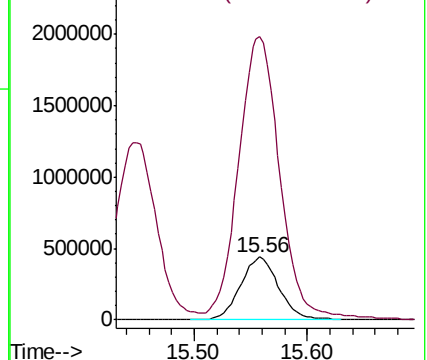
Ion Ratio Lower Upper

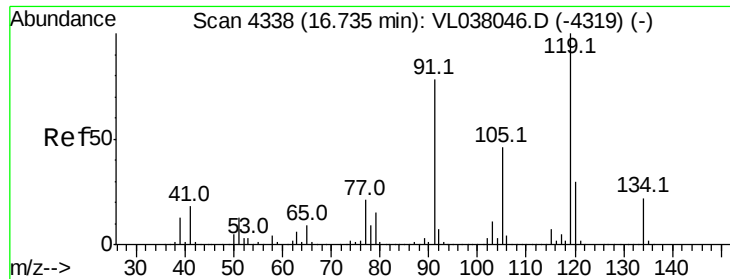
120 100

91 489.3 371.7 557.5



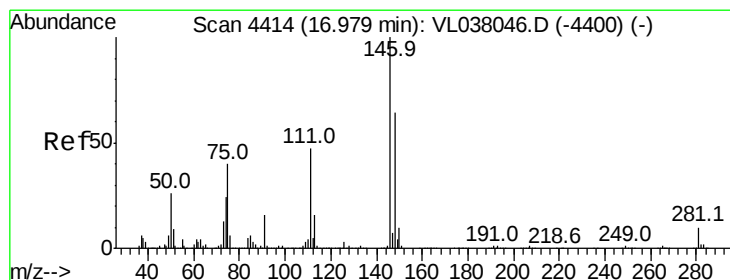
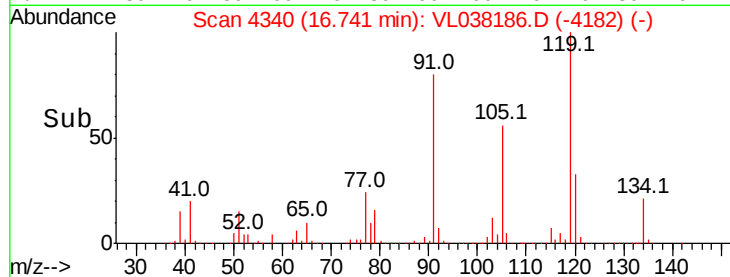
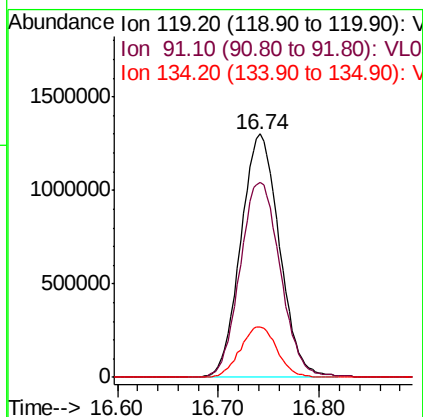
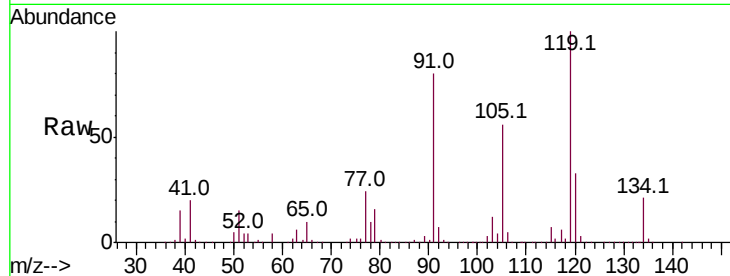
Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0





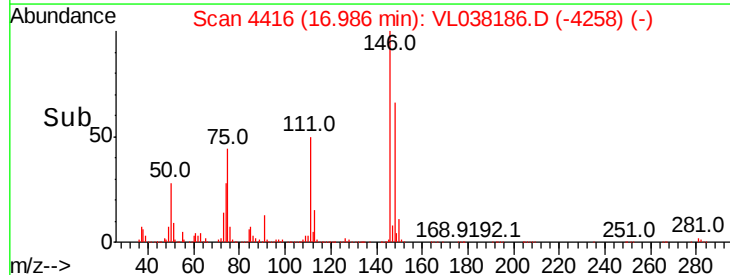
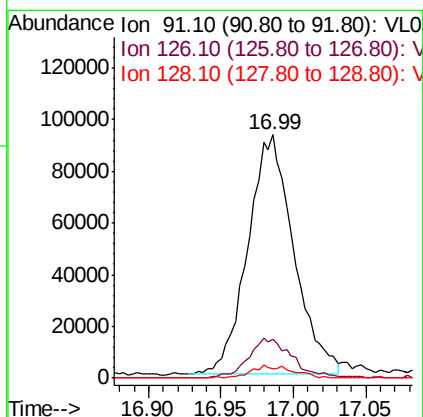
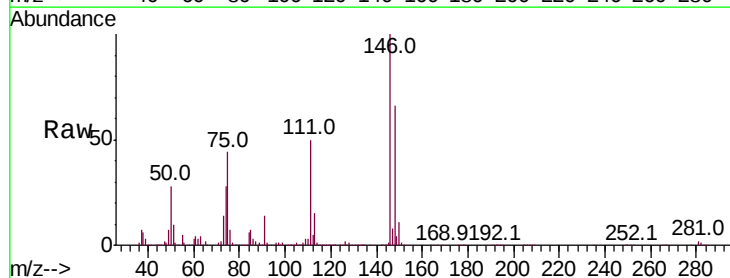
#65
 tert-Butylbenzene
 Concen: 6.422 ppbv
 RT: 16.74 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 16 Dec 2021 12:35

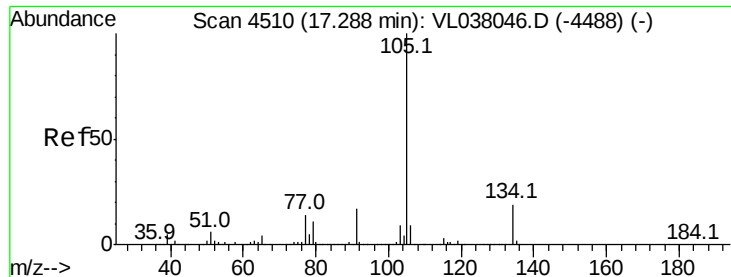
Tot Ion: 119 Resp: 3460957
 Ion Ratio Lower Upper
 119 100
 91 84.0 63.2 94.8
 134 19.9 16.1 24.1



#66
 Benzyl Chloride
 Concen: 7.485 ppbv
 RT: 16.99 min Scan# 4416
 Delta R.T.: 0.01 min
 Lab File: VL038186.D
 Acq: 16 Dec 2021 12:35

Tgt Ion: 91 Resp: 204432
 Ion Ratio Lower Upper
 91 100
 126 16.3 15.5 23.3
 128 5.3 5.6 8.4#





#67

sec-Butylbenzene

Concen: 6.520 ppbv

RT: 17.29

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

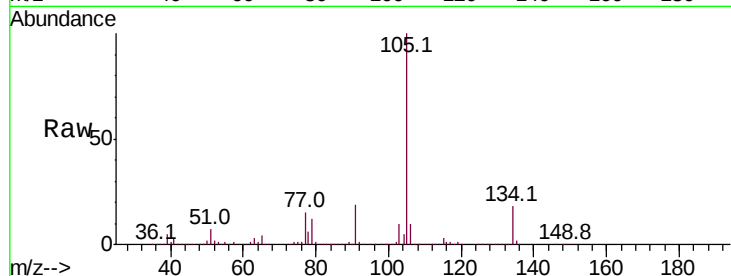
Acq: 16 Dec 2021 12:35

Tot Ion:105 Resp: 4895938

Ion Ratio Lower Upper

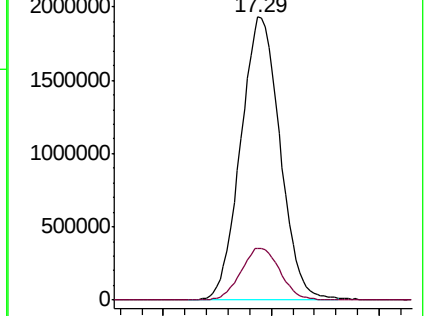
105 100

134 18.3 14.7 22.1

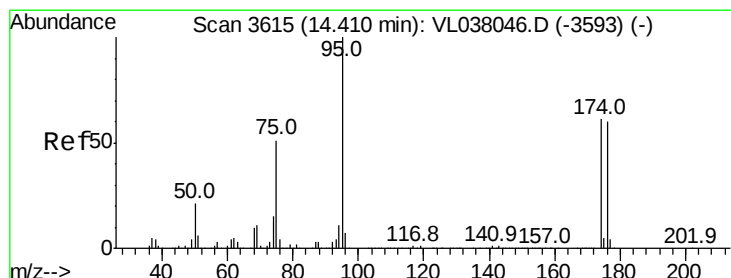
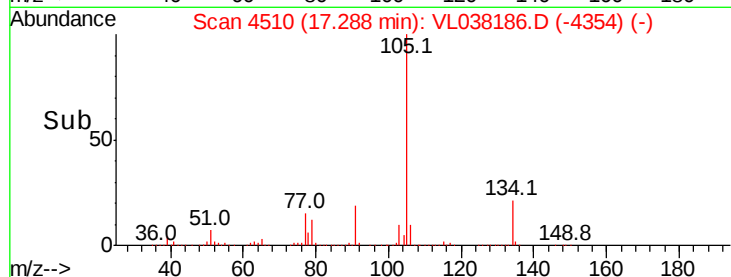


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 8.895 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. 0.00 min

Lab File: VL038186.D

Acq: 16 Dec 2021 12:35

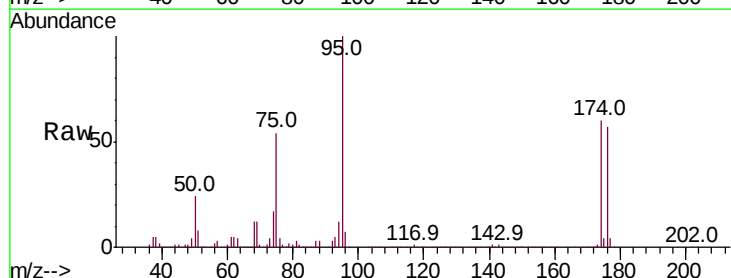
Tgt Ion: 95 Resp: 2142116

Ion Ratio Lower Upper

95 100

174 60.8 53.1 79.7

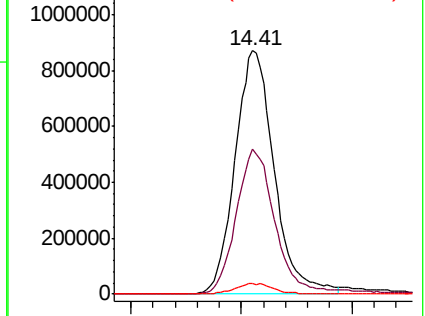
175 4.4 4.0 6.0



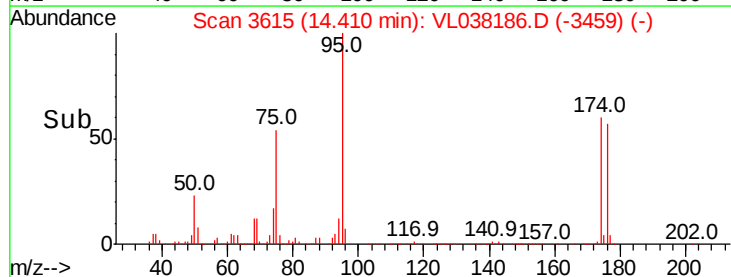
Abundance Ion 95.10 (94.80 to 95.80): VL0

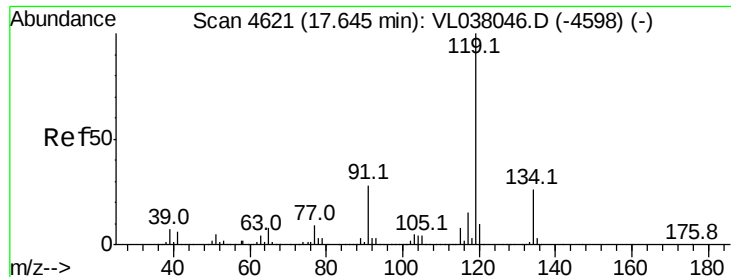
Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



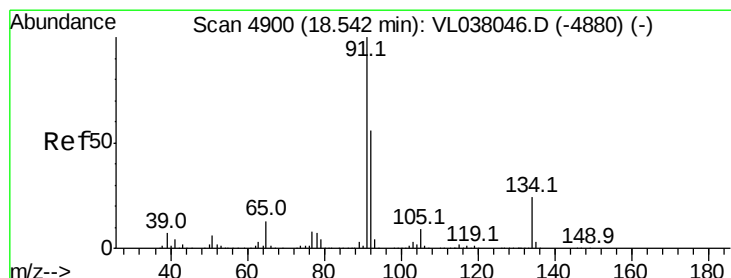
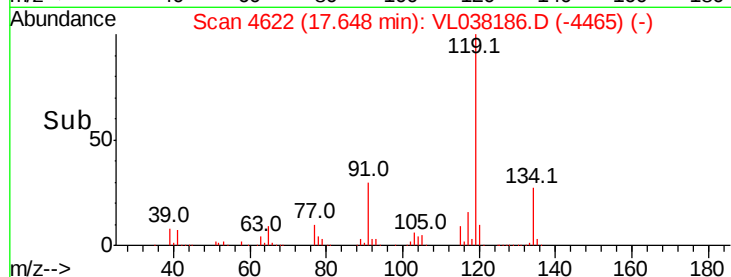
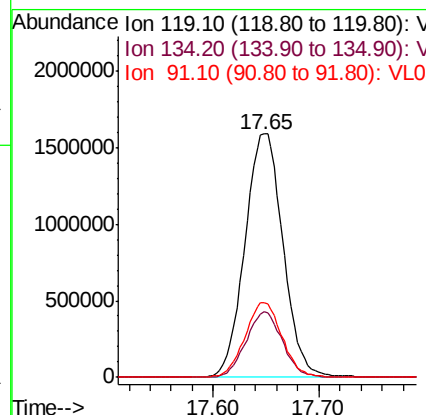
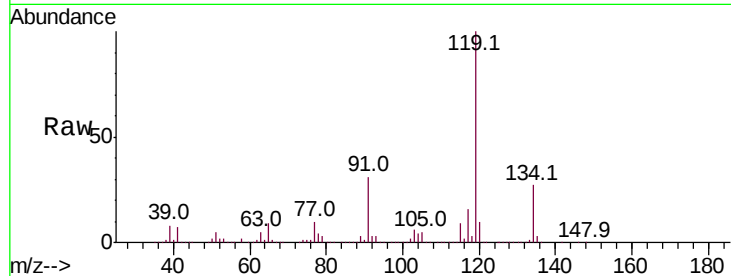
Time-->





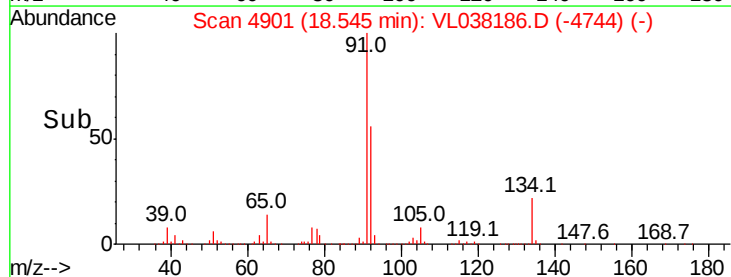
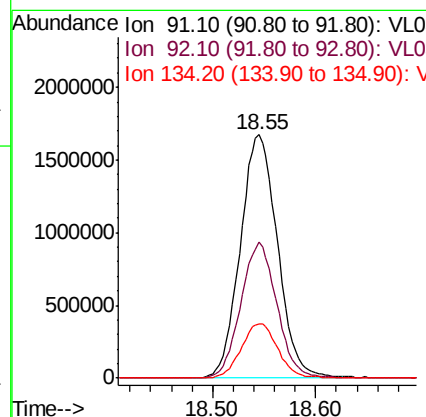
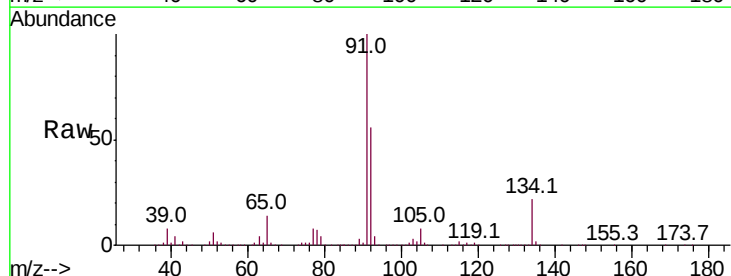
#69
 p-Isopropyltoluene
 Concen: 6.809 ppbv
 RT: 17.65 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 16 Dec 2021 12:35

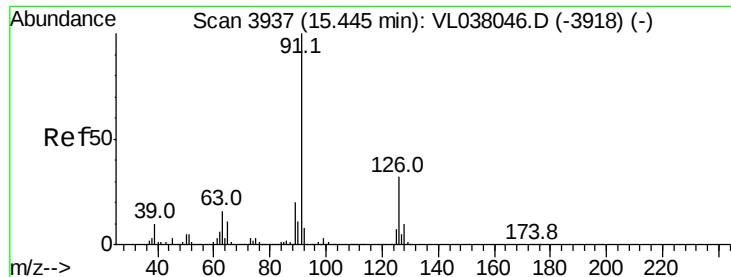
Tot Ion: 119 Resp: 3999632
 Ion Ratio Lower Upper
 119 100
 134 25.9 20.6 30.8
 91 30.0 22.2 33.4



#70
 n-Butylbenzene
 Concen: 7.460 ppbv
 RT: 18.55 min Scan# 4901
 Delta R.T.: 0.00 min
 Lab File: VL038186.D
 Acq: 16 Dec 2021 12:35

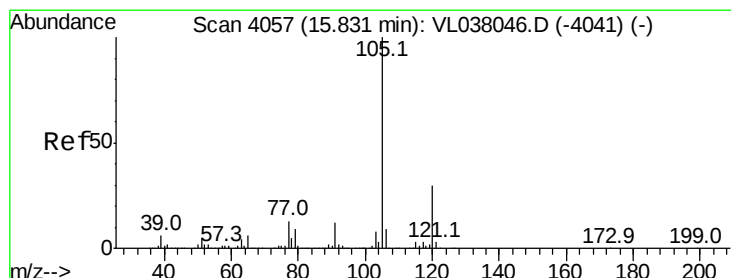
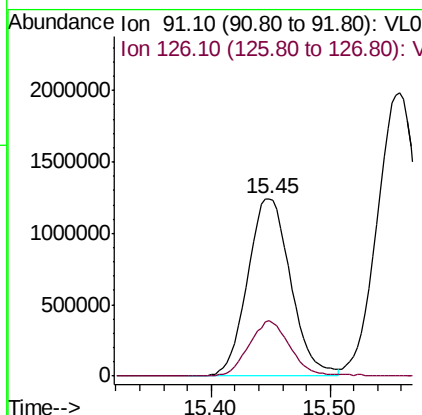
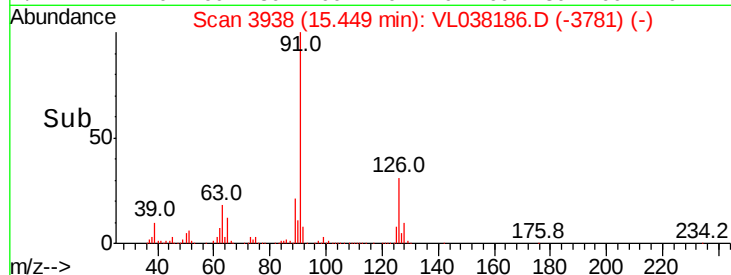
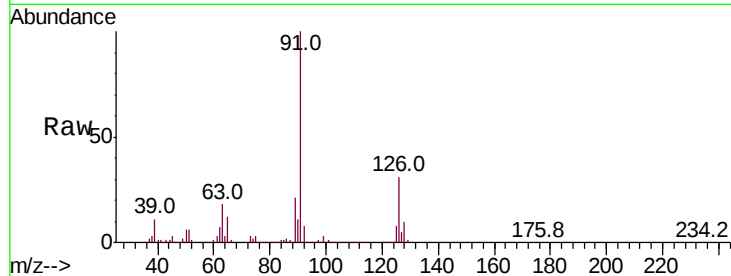
Tgt Ion: 91 Resp: 4189767
 Ion Ratio Lower Upper
 91 100
 92 54.3 44.1 66.1
 134 22.2 18.9 28.3





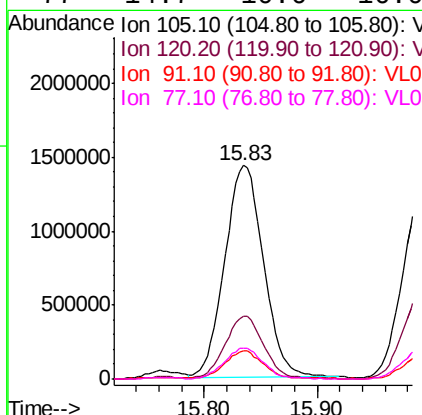
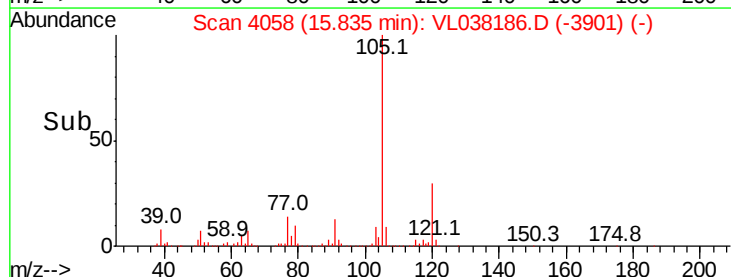
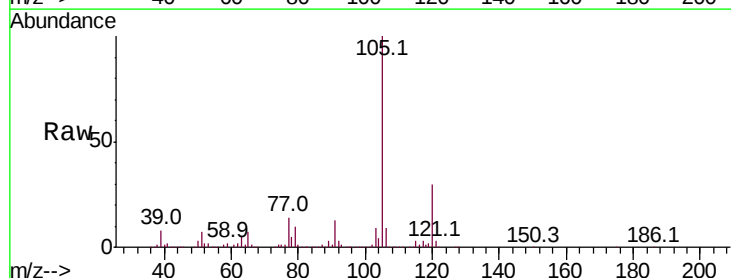
#71
 2-Chlorotoluene
 Concen: 6.967 ppbv
 RT: 15.45 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 16 Dec 2021 12:35

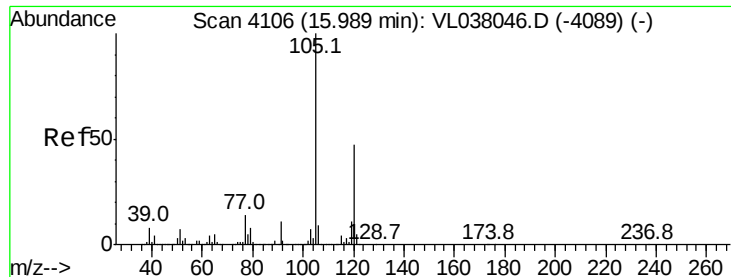
Tot Ion: 91 Resp: 3115957
 Ion Ratio Lower Upper
 91 100
 126 30.5 13.1 52.3



#72
 4-Ethyltoluene
 Concen: 6.882 ppbv
 RT: 15.83 min Scan# 4058
 Delta R.T. 0.00 min
 Lab File: VL038186.D
 Acq: 16 Dec 2021 12:35

Tgt Ion:105 Resp: 3438352
 Ion Ratio Lower Upper
 105 100
 120 29.7 25.1 37.7
 91 13.1 9.7 14.5
 77 14.7 10.6 16.0





#73

1,3,5-Trimethylbenzene

Concen: 6.738 ppbv

RT: 16.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

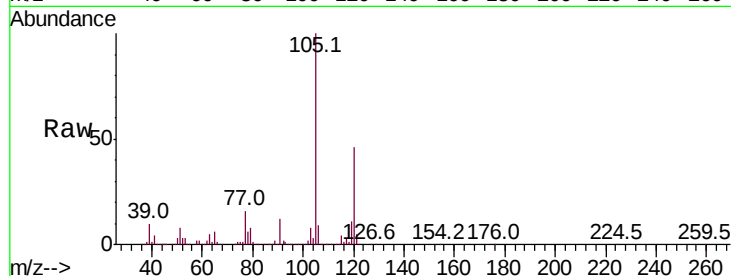
Acq: 16 Dec 2021 12:35

Tot Ion:105 Resp: 3074699

Ion Ratio Lower Upper

105 100

120 45.8 37.8 56.6



Abundance Ion 105.10 (104.80 to 105.80): V

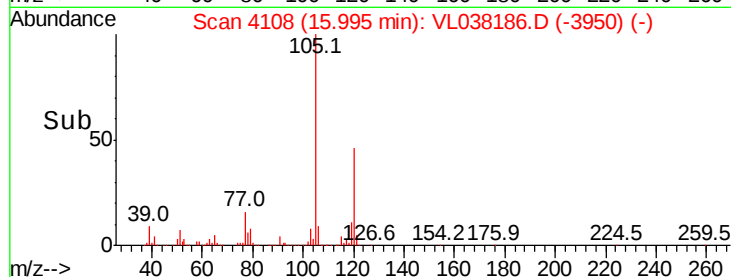
1500000 Ion 120.20 (119.90 to 120.90): V

1000000

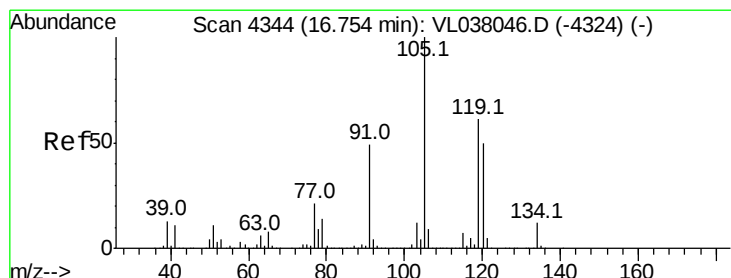
500000

0

15.90 16.00 16.10



Time-->



#74

1,2,4-Trimethylbenzene

Concen: 6.878 ppbv

RT: 16.76 min Scan# 4346

Delta R.T. 0.01 min

Lab File: VL038186.D

Acq: 16 Dec 2021 12:35

Tgt Ion:105 Resp: 3234508

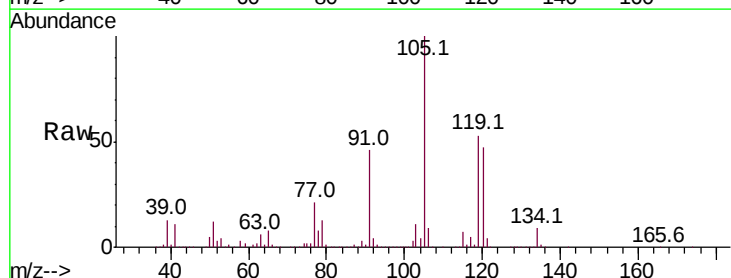
Ion Ratio Lower Upper

105 100

120 46.9 40.1 60.1

91 45.4 39.8 59.8

77 21.1 16.6 25.0



Abundance Ion 105.10 (104.80 to 105.80): V

2000000 Ion 120.20 (119.90 to 120.90): V

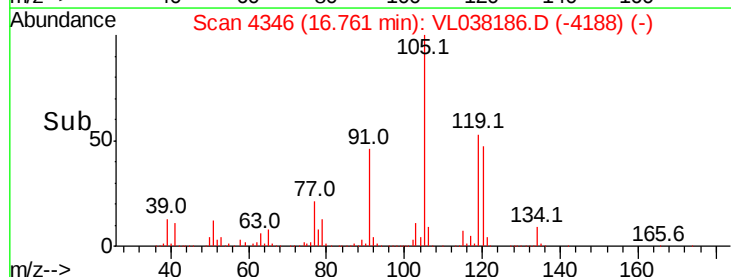
1500000 Ion 91.10 (90.80 to 91.80): VL0

1000000 Ion 77.10 (76.80 to 77.80): VL0

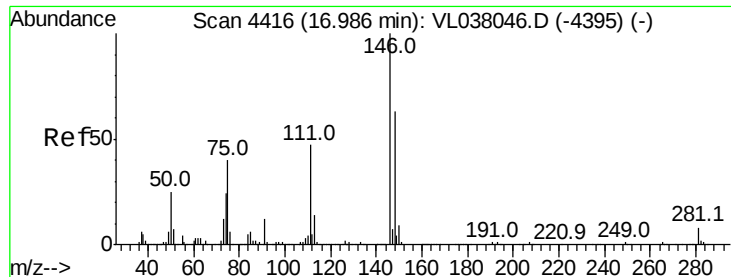
500000

0

16.70 16.80



Time-->



#75

1,3-Dichlorobenzene

Concen: 6.978 ppbv

RT: 16.99

Delta R.T. MSVOA_L

Lab File:

ClientSampleId:

Acq: 16 Dec 2021 12:35

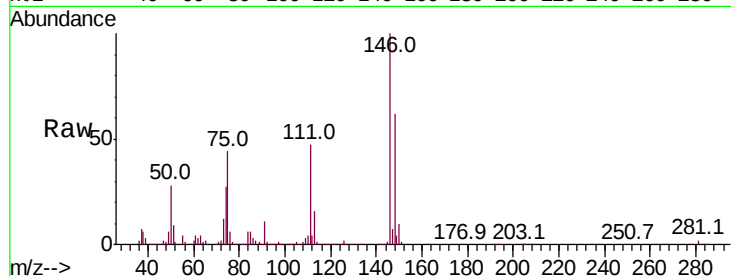
Tot Ion:146 Resp: 1802228

Ion Ratio Lower Upper

146 100

111 49.6 23.5 70.6

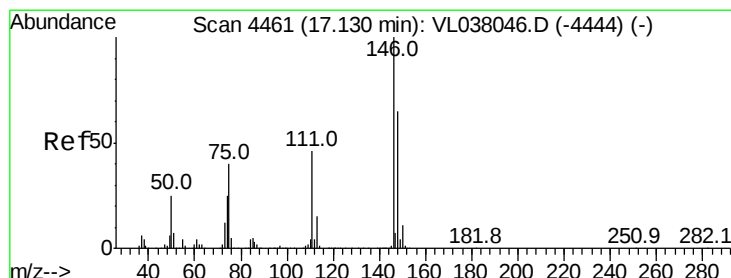
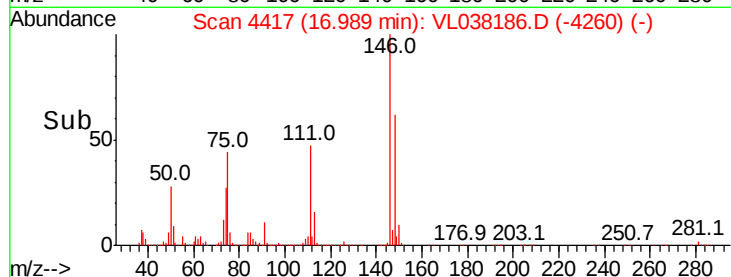
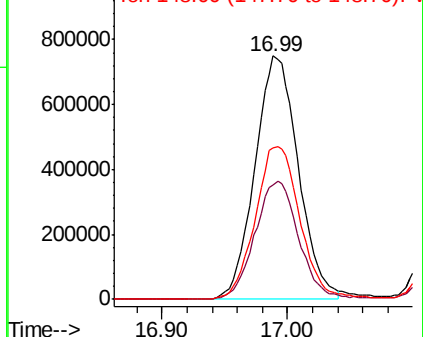
148 65.2 32.1 96.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 6.696 ppbv

RT: 17.14 min Scan# 4463

Delta R.T. 0.01 min

Lab File: VL038186.D

Acq: 16 Dec 2021 12:35

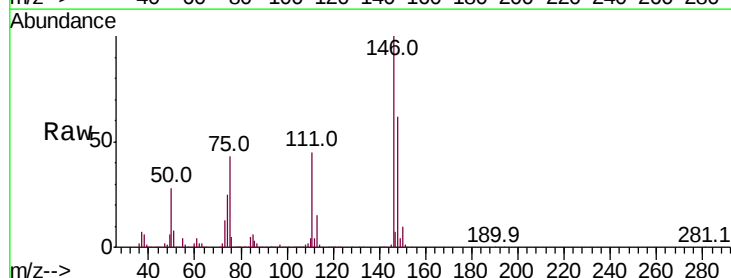
Tgt Ion:146 Resp: 1740311

Ion Ratio Lower Upper

146 100

111 48.8 23.8 71.5

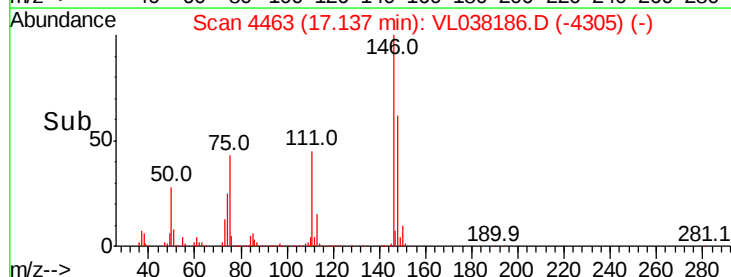
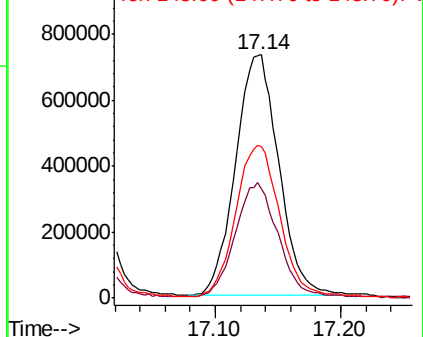
148 66.2 33.2 99.6

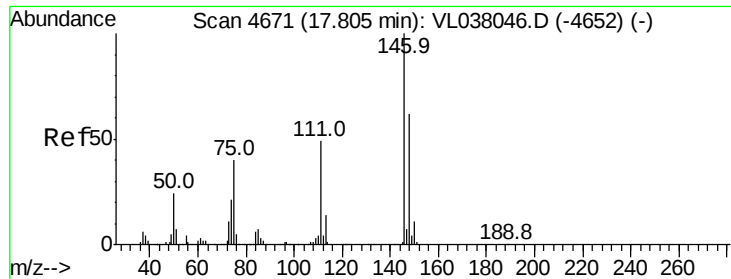


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

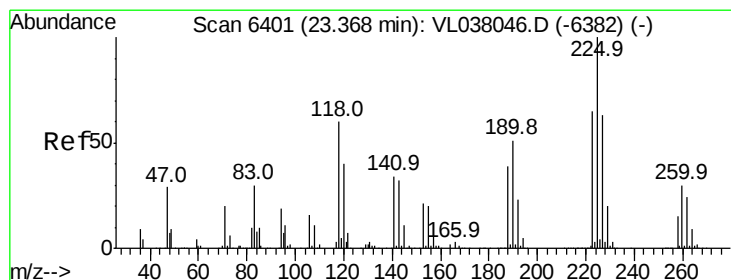
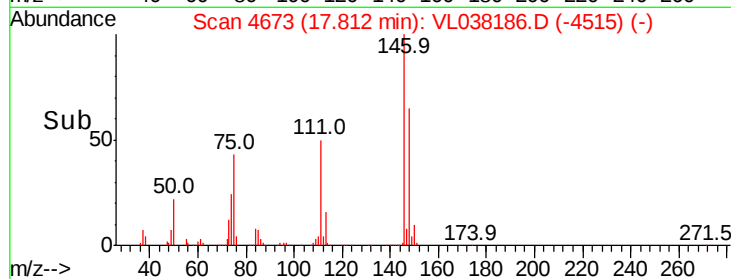
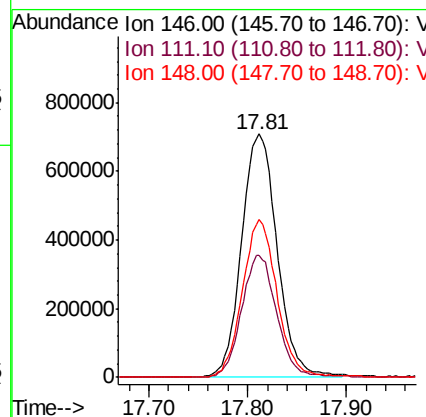
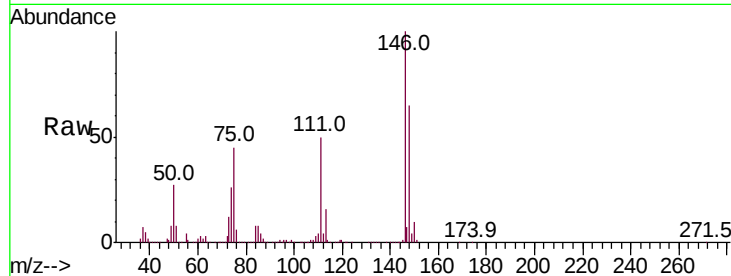
Ion 148.00 (147.70 to 148.70): V





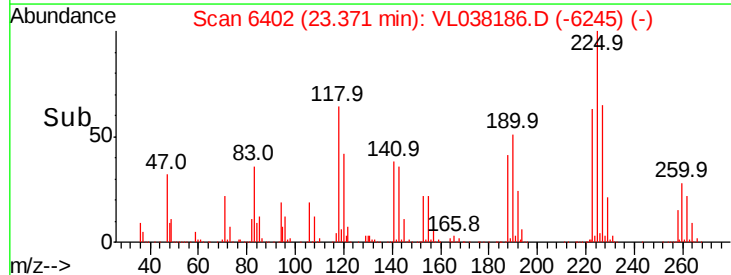
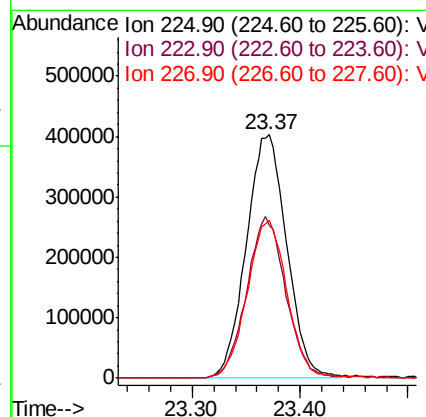
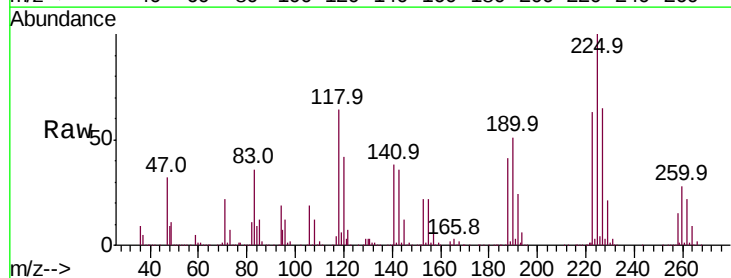
#77
 1,2-Dichlorobenzene
 Concen: 7.073 ppbv
 RT: 17.81 min
 Delta R.T. MSVOA.L
 Lab File: ClientSampleId :
 Acq: 16 Dec 2021 12:35

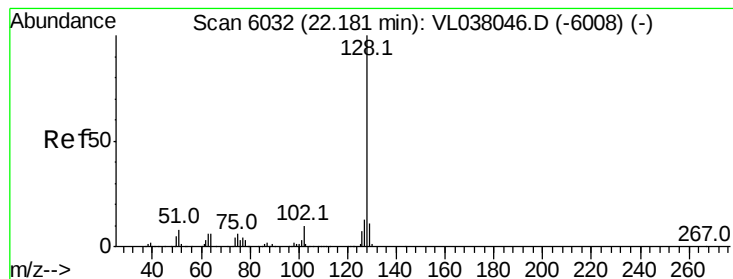
Tot Ion:146 Resp: 1768902
 Ion Ratio Lower Upper
 146 100
 111 49.3 24.8 74.4
 148 63.2 32.3 96.9



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.734 ppbv
 RT: 23.37 min Scan# 6402
 Delta R.T. 0.00 min
 Lab File: VL038186.D
 Acq: 16 Dec 2021 12:35

Tgt Ion:225 Resp: 1051433
 Ion Ratio Lower Upper
 225 100
 223 64.4 52.3 78.5
 227 64.1 52.4 78.6





#79

Naphthalene

Concen: 8.243 ppbv

RT: 22.18 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Dec 2021 12:35

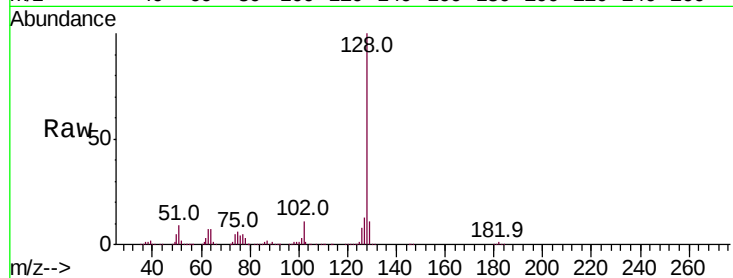
Tot Ion:128 Resp: 2041288

Ion Ratio Lower Upper

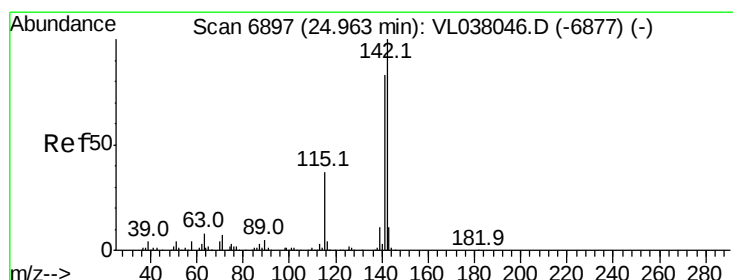
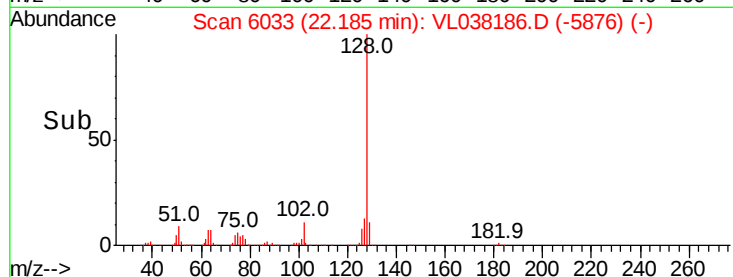
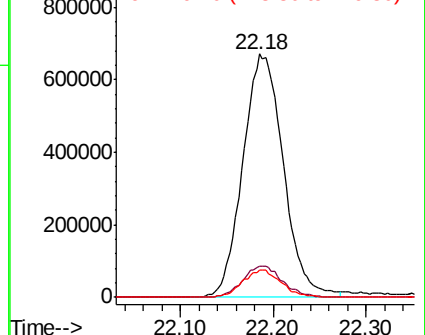
128 100

127 12.8 10.4 15.6

129 11.1 8.9 13.3



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.442 ppbv

RT: 25.12 min Scan# 6947

Delta R.T. 0.16 min

Lab File: VL038186.D

Acq: 16 Dec 2021 12:35

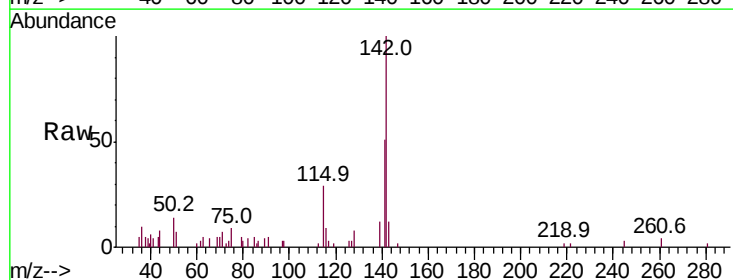
Tgt Ion:142 Resp: 23479

Ion Ratio Lower Upper

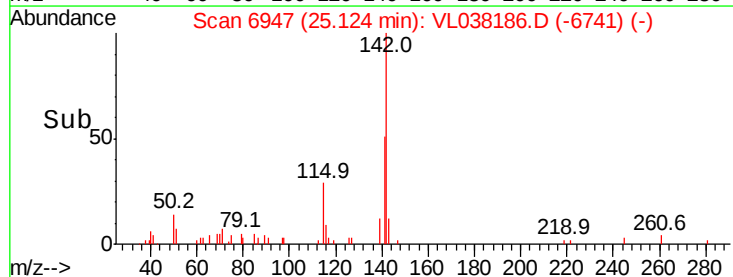
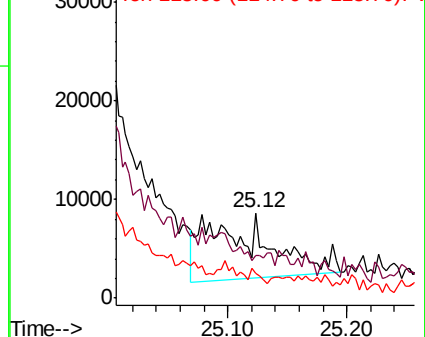
142 100

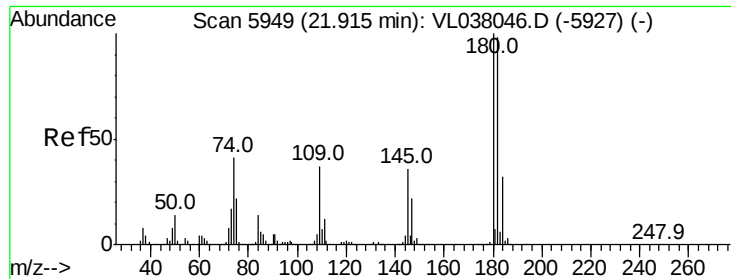
141 89.7 67.3 100.9

115 32.9 28.9 43.3



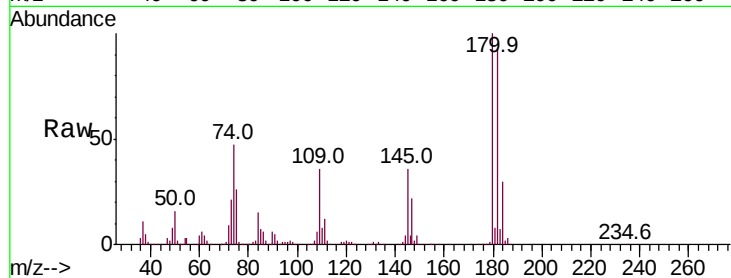
Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 7.839 ppbv
 RT: 21.92
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 16 Dec 2021 12:35

Tot Ion:180 Resp: 1115510
 Ion Ratio Lower Upper
 180 100
 182 99.8 77.4 116.2
 184 31.5 25.0 37.4



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

