

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL122121\
 Data File : VL038221.D
 Acq On : 21 Dec 2021 19:39
 Operator : SY/AP
 Sample : VL1221ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 22 08:28:30 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL122121AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Dec 21 17:47:08 2021
 QLast Update : Tue Dec 21 17:47:08 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	750515	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2231030	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2493357	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1645031	8.56	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	85.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	1205953	8.528	ppbv 98
3) Chlorodifluoromethane	3.00	51	1353920	8.585	ppbv 98
4) Chloromethane	3.15	50	481231	8.800	ppbv 99
5) Vinyl Chloride	3.27	62	482625	8.781	ppbv 97
6) Bromomethane	3.48	94	263221	9.398	ppbv 97
7) Chloroethane	3.57	64	168541	9.106	ppbv 90
8) Dichlorotetrafluoroethane	3.20	85	1158171	8.629	ppbv 98
9) Propene	3.02	41	454810	8.306	ppbv 98
10) Heptane	8.13	43	1180522	8.499	ppbv 100
11) Trichlorofluoromethane	3.96	101	1160908	8.938	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	867205	8.840	ppbv 99
13) Ethanol	3.62	45	51877	5.588	ppbv # 100
14) Bromoethene	3.75	108	351472	8.993	ppbv 99
15) Acetone	3.86	43	600983	7.979	ppbv 96
16) 1,3-Butadiene	3.34	39	451513	8.799	ppbv 100
17) tert-Butyl alcohol	4.30	59	684770	8.277	ppbv 100
18) 1,1-Dichloroethene	4.30	96	380674	8.861	ppbv 96
19) Isopropyl Alcohol	3.98	45	368354	7.841	ppbv # 39
20) Methylene Chloride	4.35	84	308146	7.246	ppbv 92
21) Allyl Chloride	4.42	41	564136	8.854	ppbv 98
22) trans-1,2-Dichloroethene	4.89	96	410593	9.367	ppbv 94
23) Vinyl Acetate	5.08	43	939476	9.212	ppbv 99
24) 1,1-Dichloroethane	5.02	63	790607	8.668	ppbv 99
25) Ethyl Acetate	5.69	43	1804874	8.844	ppbv 99
26) Hexane	5.69	57	836680	8.172	ppbv 98
27) Carbon Disulfide	4.56	76	899916	9.985	ppbv 100
28) Methyl tert-Butyl Ether	5.04	73	880286	8.556	ppbv 99
29) Chloroform	5.76	83	1342052	8.833	ppbv 99
30) Cyclohexane	7.14	84	771585	8.509	ppbv 98
31) cis-1,2-Dichloroethene	5.56	61	767081	9.553	ppbv 97
32) 1,1,1-Trichloroethane	6.52	97	1371776	9.100	ppbv 99
34) 2-Butanone	5.25	43	629342	9.385	ppbv 99
35) Carbon Tetrachloride	7.02	117	1403246	10.190	ppbv 99
36) Benzene	6.90	78	1880784	9.038	ppbv 99
37) 1,2-Dichloroethane	6.31	62	1028976	9.854	ppbv 99
38) Trichloroethene	7.84	130	674100	8.512	ppbv 96
39) 1,2-Dichloropropane	7.62	63	726830	9.075	ppbv 97
40) 1,4-Dioxane	7.84	88	179834	7.719	ppbv 94
41) Tetrahydrofuran	6.06	42	446796	9.097	ppbv 98
42) Bromodichloromethane	7.80	83	1483075	9.982	ppbv 98
43) Methyl Methacrylate	8.02	69	700626	9.783	ppbv 99

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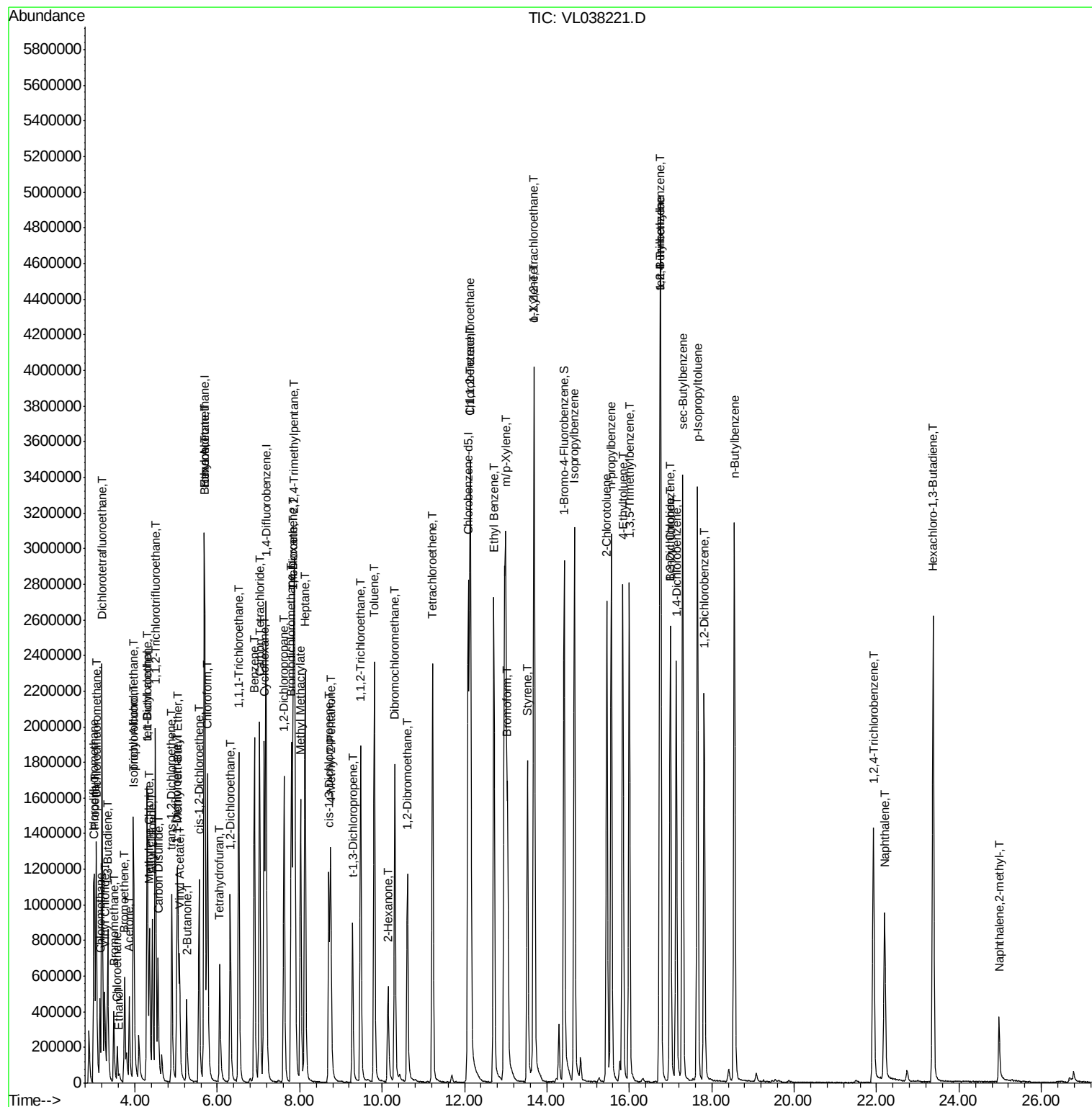
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3040992	8.602	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	603360	11.384	ppbv	98
46) cis-1,3-Dichloropropene	8.71	75	767629	10.463	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	743496	8.944	ppbv	98
48) Dibromochloromethane	10.31	129	1191380	10.192	ppbv	98
49) Bromoform	13.04	173	899266	10.827	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	1211564	9.937	ppbv	98
51) 2-Hexanone	10.14	43	550361	9.431	ppbv #	98
52) Tetrachloroethene	11.23	164	620088	8.072	ppbv	91
53) Toluene	9.81	91	2118287	8.822	ppbv	100
54) 1,2-Dibromoethane	10.61	107	1084765	9.199	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.13	131	789931	7.617	ppbv #	58
57) Chlorobenzene	12.15	112	1497705	6.926	ppbv	96
58) Ethyl Benzene	12.71	91	2769016	7.157	ppbv	100
59) m/p-Xylene	13.00	91	2496900	7.549	ppbv #	43
60) o-Xylene	13.69	91	2157490	7.035	ppbv	98
61) Styrene	13.53	104	1196486	7.702	ppbv	98
62) Isopropylbenzene	14.67	105	2994851	6.956	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	1542899	6.542	ppbv	100
64) n-propylbenzene	15.56	120	776171	7.251	ppbv	99
65) tert-Butylbenzene	16.75	119	2568137	6.776	ppbv	98
66) Benzyl Chloride	16.99	91	125679	8.897	ppbv	95
67) sec-Butylbenzene	17.30	105	3593357	6.900	ppbv	100
69) p-Isopropyltoluene	17.65	119	2890269	6.901	ppbv	99
70) n-Butylbenzene	18.55	91	2840628	7.133	ppbv	99
71) 2-Chlorotoluene	15.46	91	2286727	7.135	ppbv	98
72) 4-Ethyltoluene	15.84	105	2608455	7.386	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	2285199	7.230	ppbv	98
74) 1,2,4-Trimethylbenzene	16.76	105	2334802	7.033	ppbv	94
75) 1,3-Dichlorobenzene	17.00	146	1311682	7.315	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	1271572	7.147	ppbv	100
77) 1,2-Dichlorobenzene	17.82	146	1212342	7.062	ppbv	100
78) Hexachloro-1,3-Butadiene	23.37	225	673672	6.359	ppbv	100
79) Naphthalene	22.19	128	1332189	7.769	ppbv	98
80) Naphthalene, 2-methyl-	24.97	142	279288	8.209	ppbv	96
81) 1,2,4-Trichlorobenzene	21.93	180	687387	7.010	ppbv	98

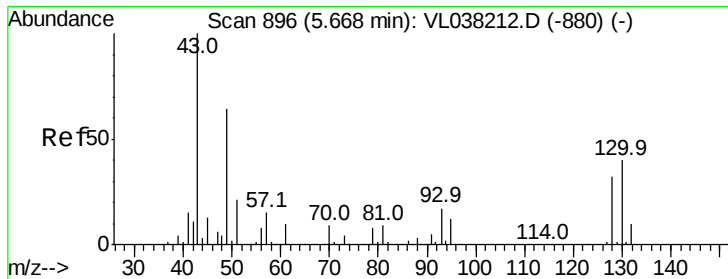
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 21 Dec 2021 19:39

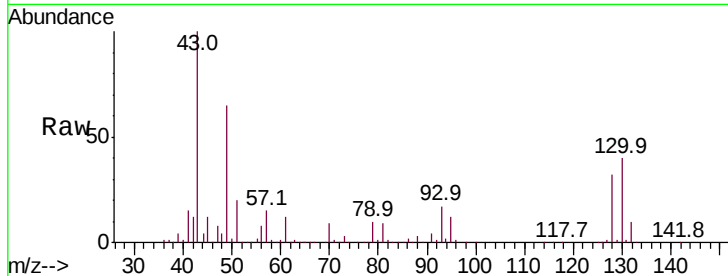
Tot Ion: 49 Resp: 750515

Ion Ratio Lower Upper

49 100

128 52.6 26.9 80.6

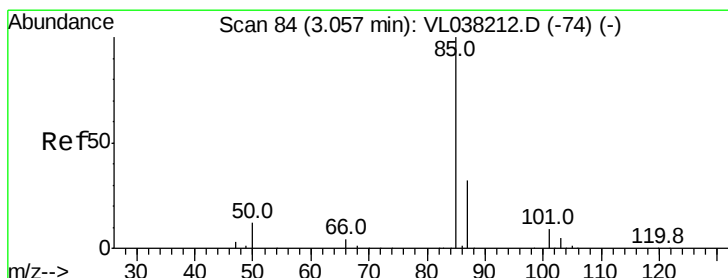
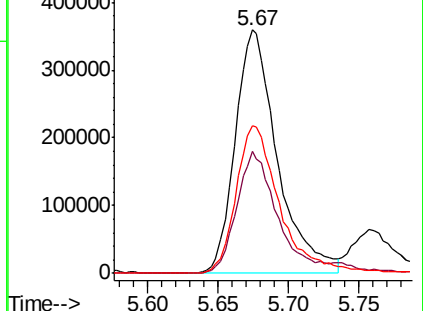
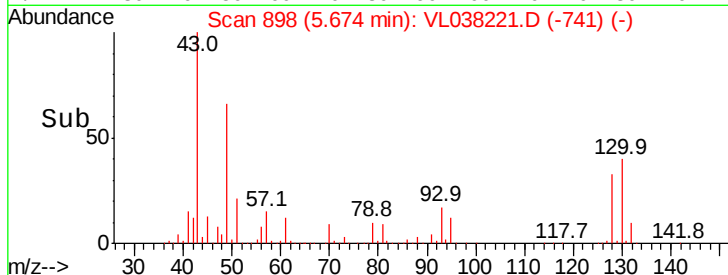
130 64.2 32.3 96.9



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: 8.528 ppbv

RT: 3.06 min Scan# 86

Delta R.T. 0.01 min

Lab File: VL038221.D

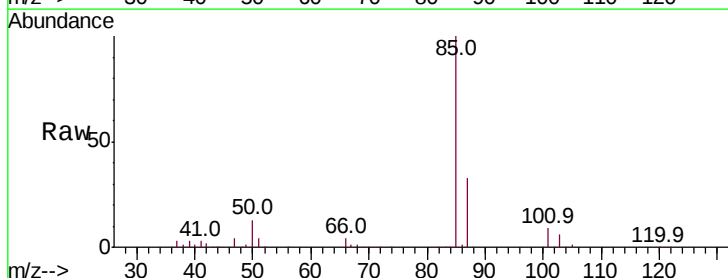
Acq: 21 Dec 2021 19:39

Tgt Ion: 85 Resp: 1205953

Ion Ratio Lower Upper

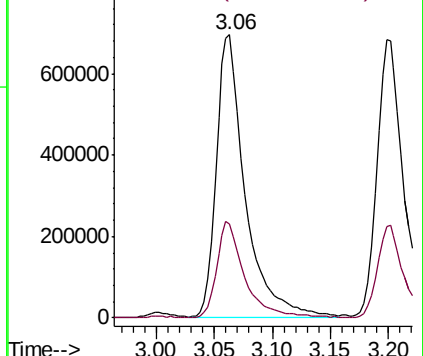
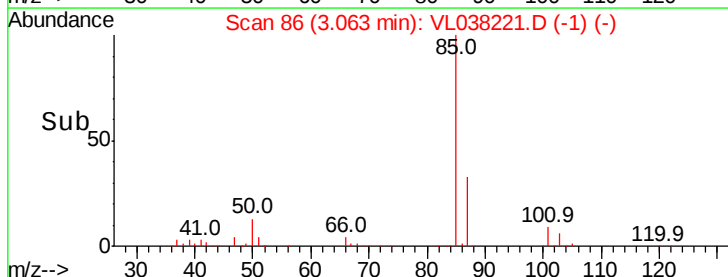
85 100

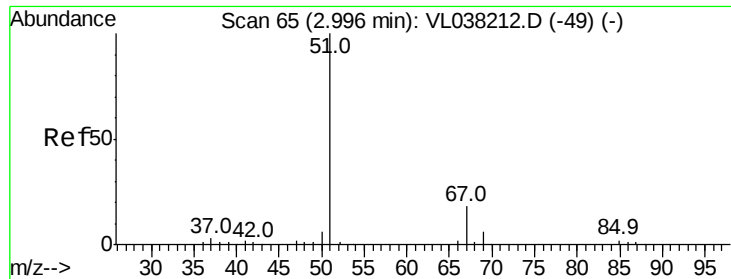
87 33.1 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

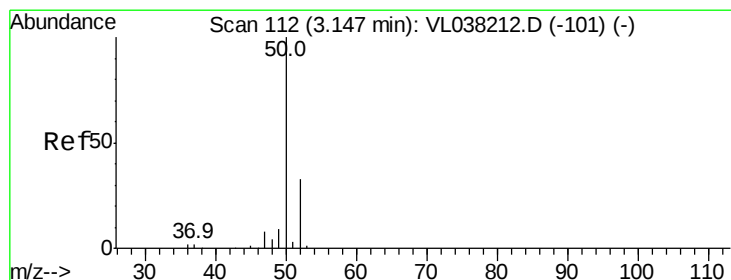
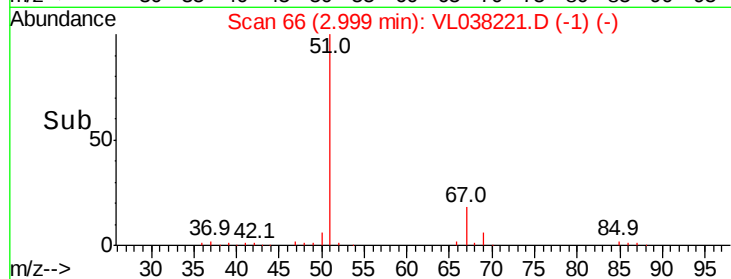
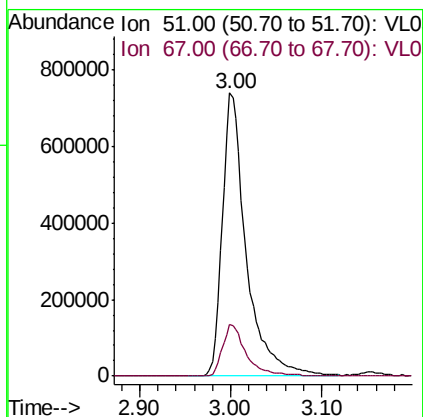
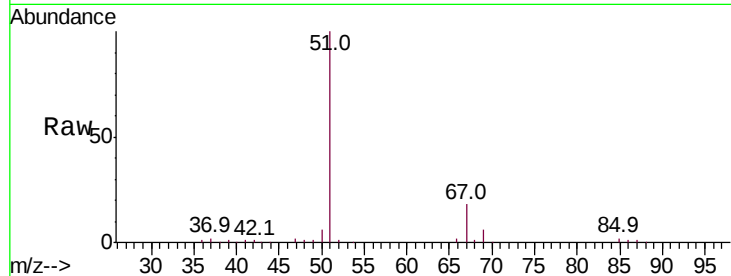
Ion 87.00 (86.70 to 87.70): VL0





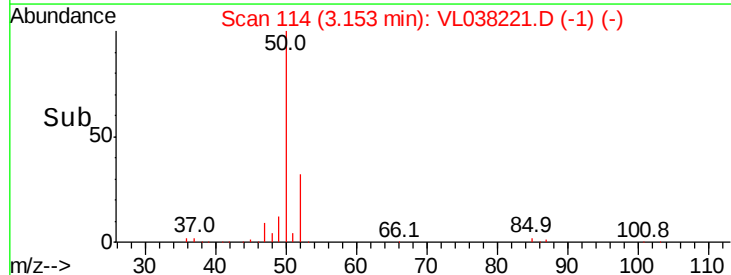
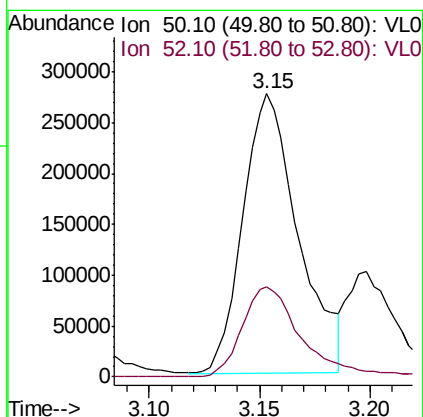
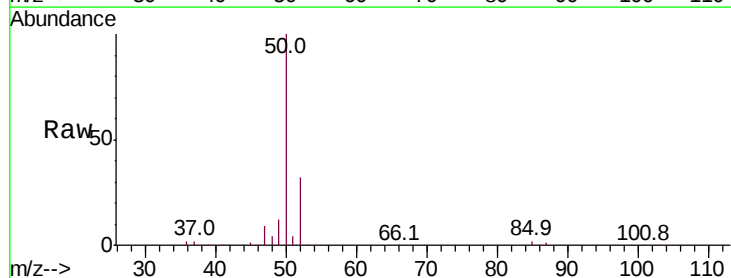
#3
 Chlorodifluoromethane
 Concen: 8.585 ppbv
 RT: 3.00
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 21 Dec 2021 19:39

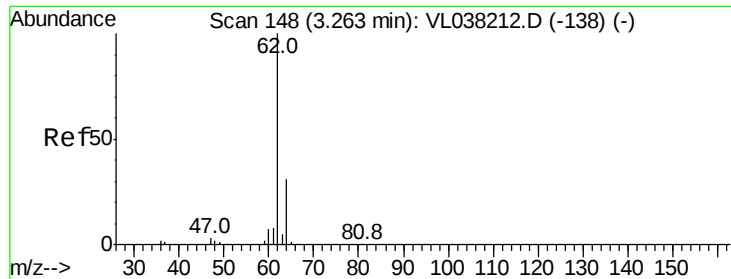
Tot Ion: 51 Resp: 1353920
 Ion Ratio Lower Upper
 51 100
 67 18.3 14.0 21.0



#4
 Chloromethane
 Concen: 8.800 ppbv
 RT: 3.15 min Scan# 114
 Delta R.T.: 0.01 min
 Lab File: VL038221.D
 Acq: 21 Dec 2021 19:39

Tgt Ion: 50 Resp: 481231
 Ion Ratio Lower Upper
 50 100
 52 32.2 26.2 39.2





#5

Vinyl Chloride

Concen: 8.781 ppbv

RT: 3.27 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

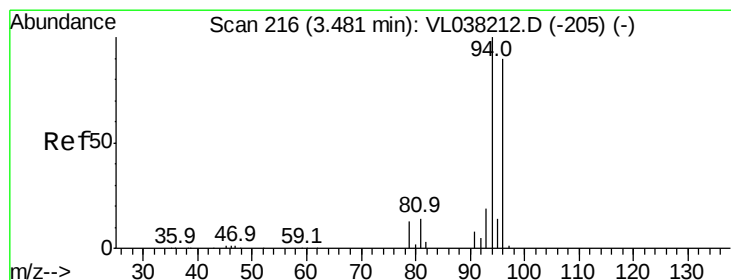
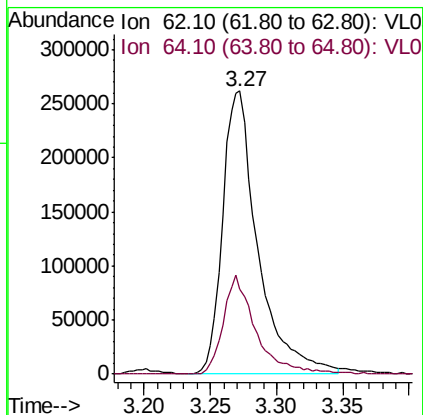
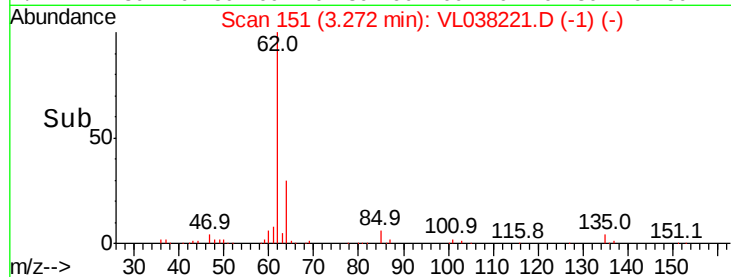
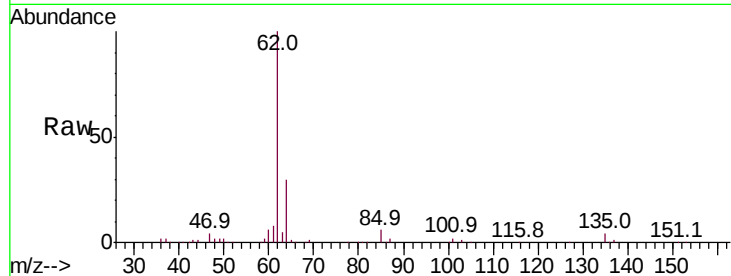
Acq: 21 Dec 2021 19:39

Tot Ion: 62 Resp: 482625

Ion Ratio Lower Upper

62 100

64 29.9 25.1 37.7



#6

Bromomethane

Concen: 9.398 ppbv

RT: 3.48 min Scan# 217

Delta R.T. 0.00 min

Lab File: VL038221.D

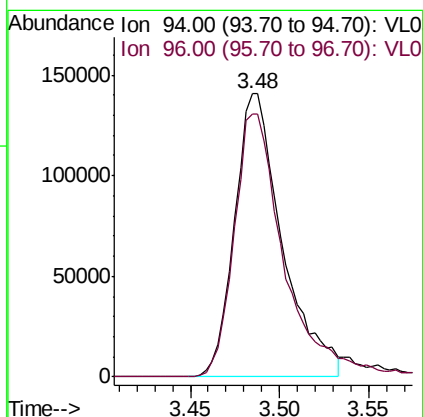
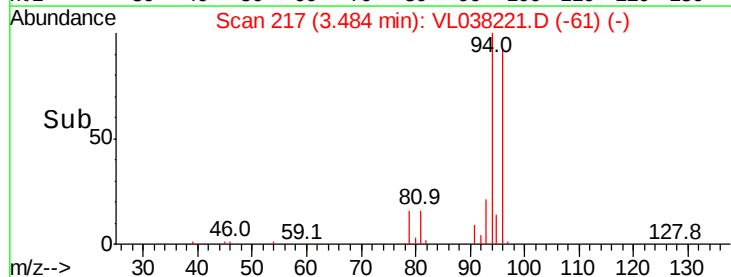
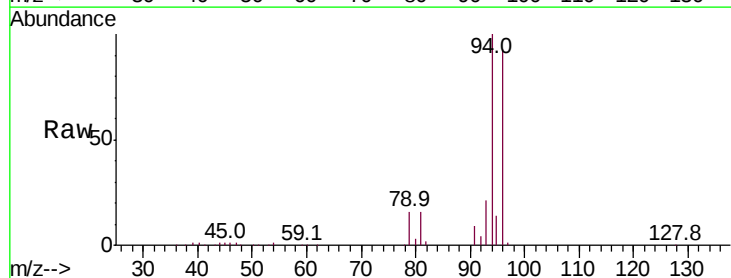
Acq: 21 Dec 2021 19:39

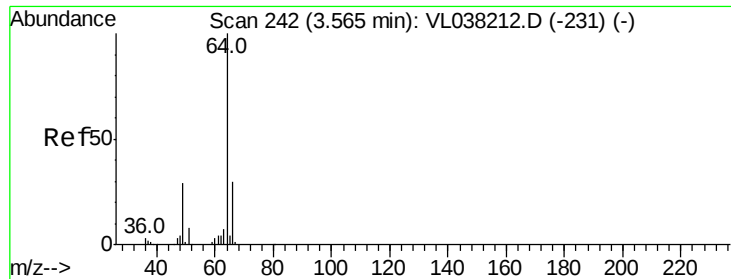
Tgt Ion: 94 Resp: 263221

Ion Ratio Lower Upper

94 100

96 92.8 72.2 108.2





#7

Chloroethane

Concen: 9.106 ppbv

RT: 3.57 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

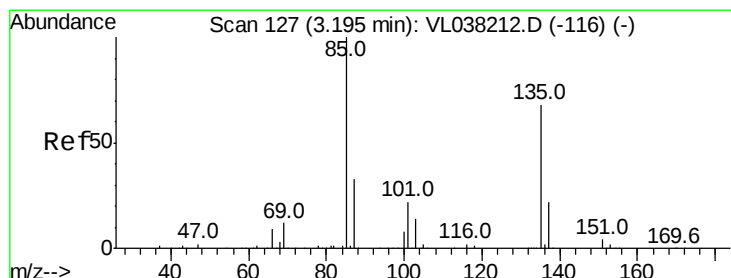
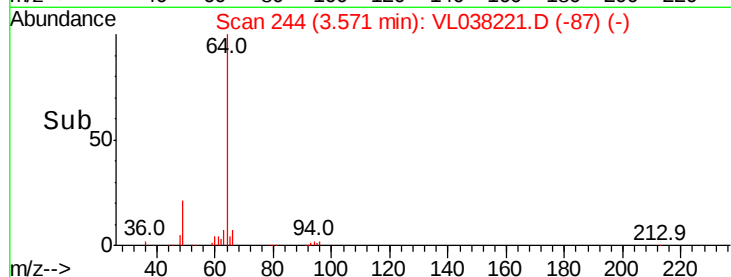
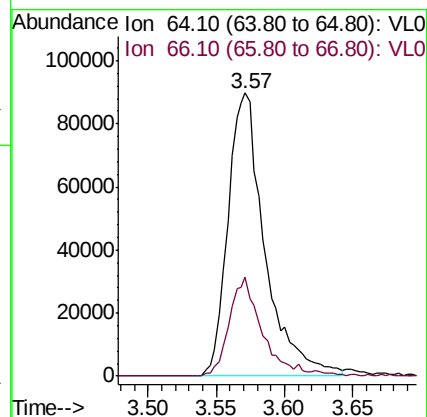
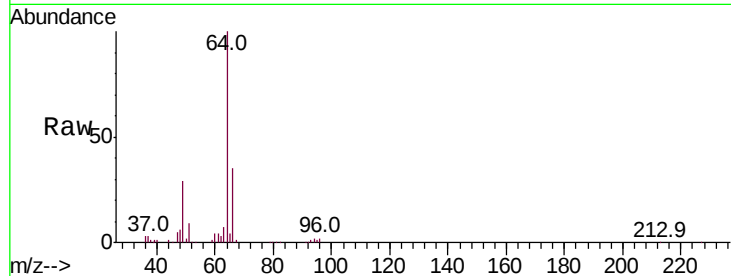
Acq: 21 Dec 2021 19:39

Tot Ion: 64 Resp: 168541

Ion Ratio Lower Upper

64 100

66 35.0 23.6 35.4



#8

Dichlorotetrafluoroethane

Concen: 8.629 ppbv

RT: 3.20 min Scan# 128

Delta R.T. 0.00 min

Lab File: VL038221.D

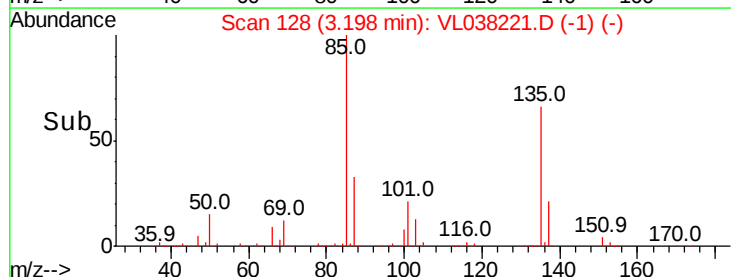
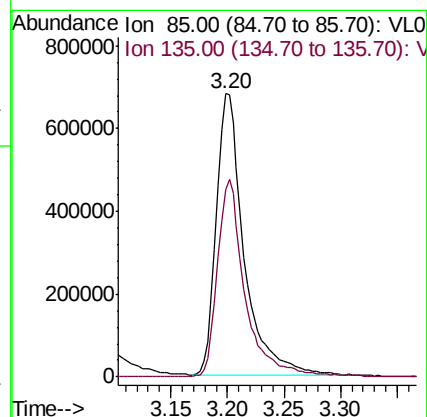
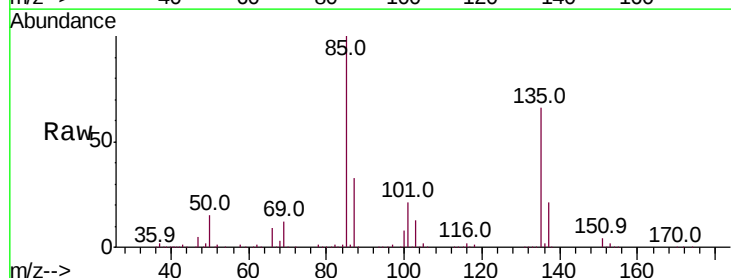
Acq: 21 Dec 2021 19:39

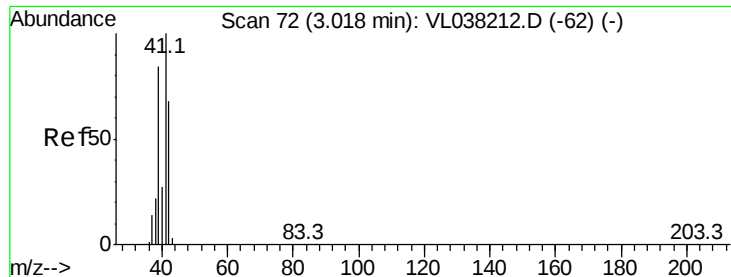
Tgt Ion: 85 Resp: 1158171

Ion Ratio Lower Upper

85 100

135 70.4 57.7 86.5





#9

Propene

Concen: 8.306 ppbv

RT: 3.02 Instrument :

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

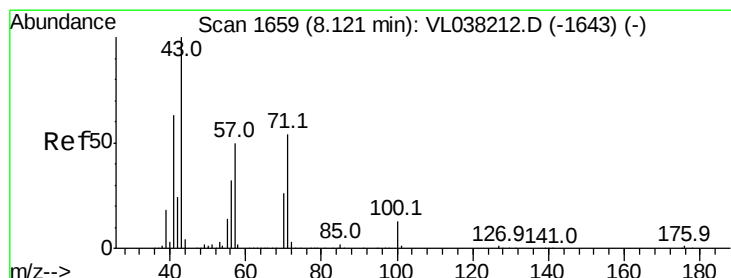
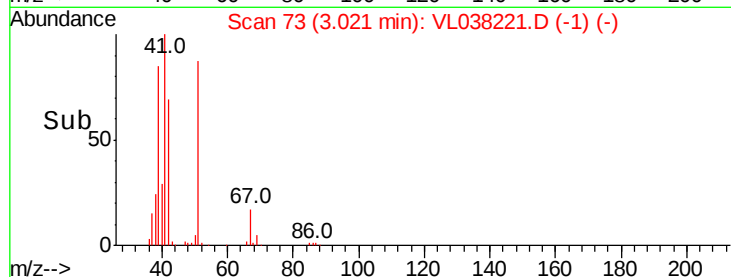
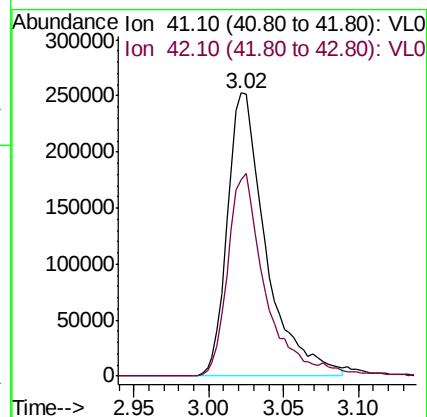
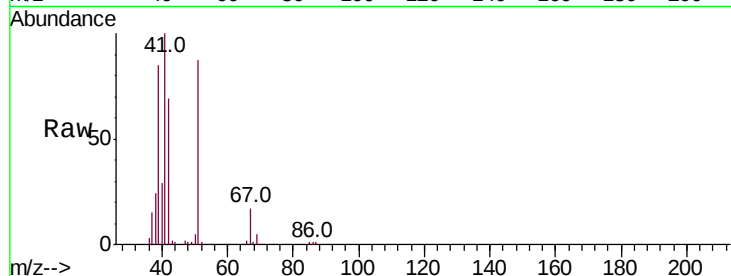
Acq: 21 Dec 2021 19:39

Tot Ion: 41 Resp: 454810

Ion Ratio Lower Upper

41 100

42 70.9 55.5 83.3



#10

Heptane

Concen: 8.499 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. 0.01 min

Lab File: VL038221.D

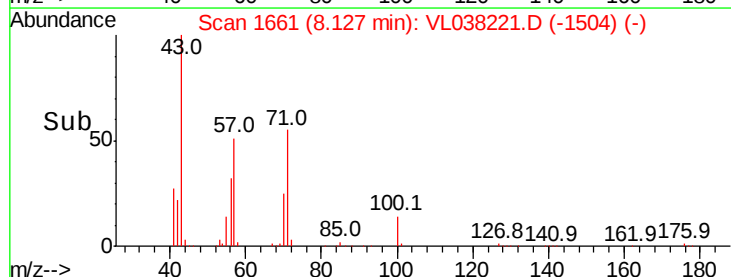
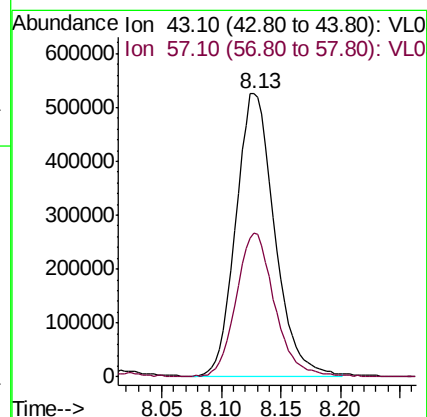
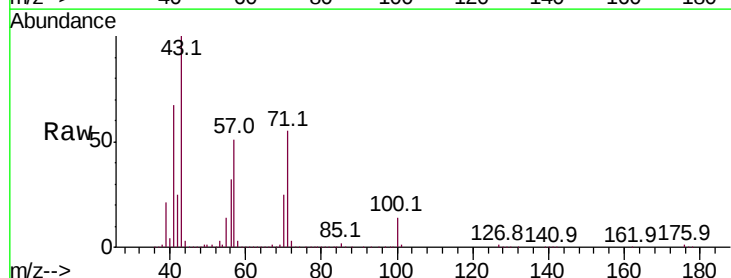
Acq: 21 Dec 2021 19:39

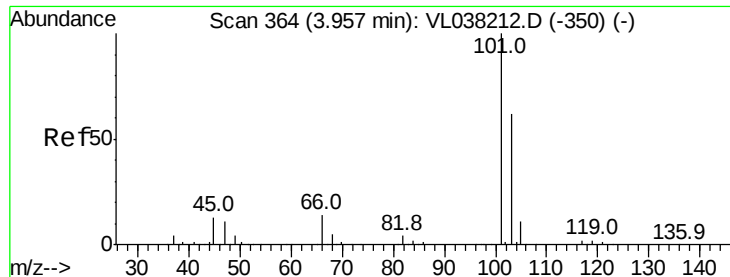
Tgt Ion: 43 Resp: 1180522

Ion Ratio Lower Upper

43 100

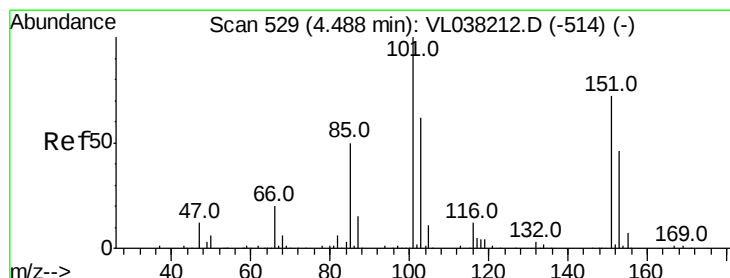
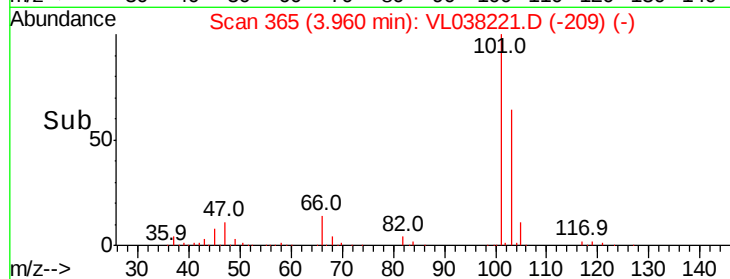
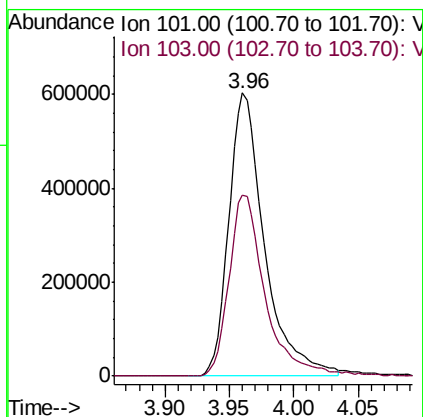
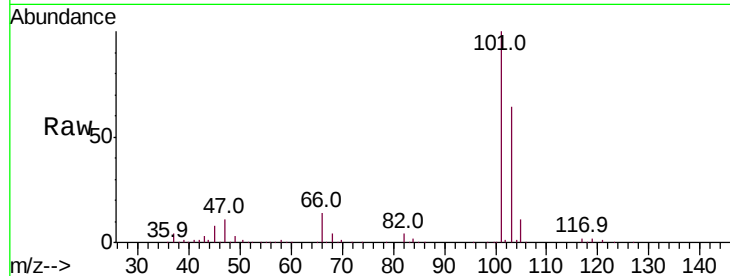
57 50.6 40.3 60.5





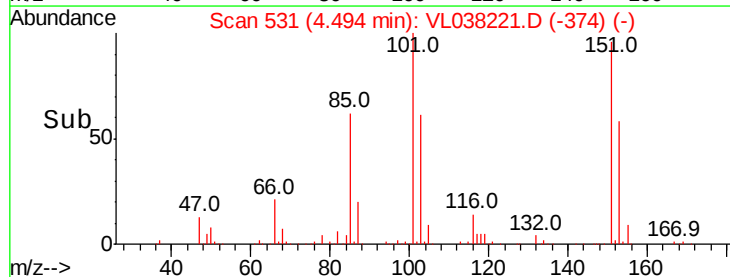
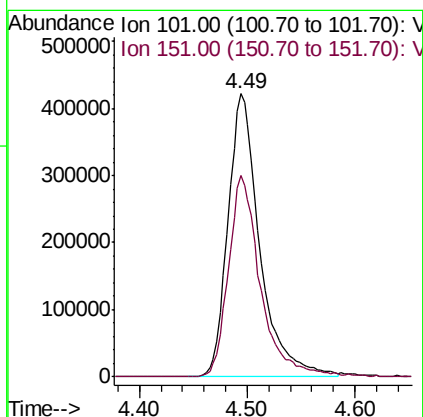
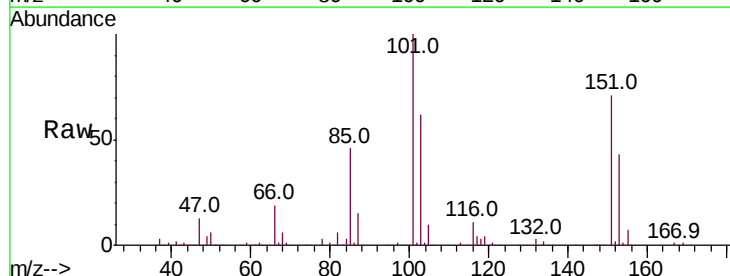
#11
 Trichlorofluoromethane
 Concen: 8.938 ppbv
 RT: 3.96
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 21 Dec 2021 19:39

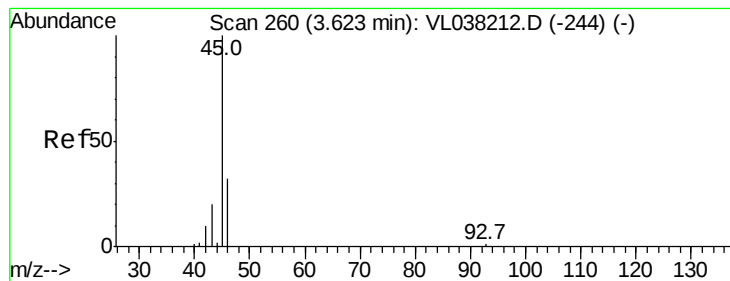
Tot Ion:101 Resp: 1160908
 Ion Ratio Lower Upper
 101 100
 103 64.1 49.9 74.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.840 ppbv
 RT: 4.49 min Scan# 531
 Delta R.T. 0.01 min
 Lab File: VL038221.D
 Acq: 21 Dec 2021 19:39

Tgt Ion:101 Resp: 867205
 Ion Ratio Lower Upper
 101 100
 151 72.1 58.6 87.8





#13

Ethanol

Concen: 5.588 ppbv

RT: 3.62 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

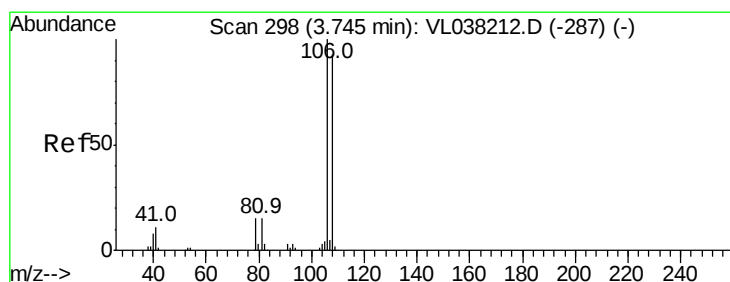
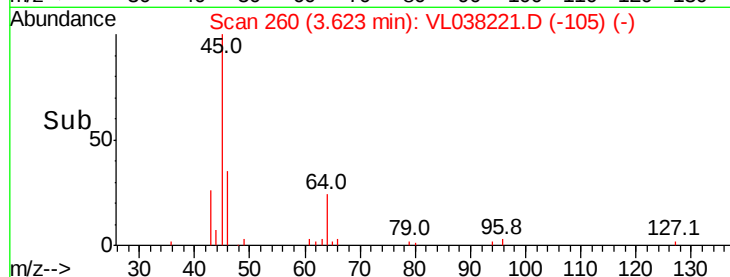
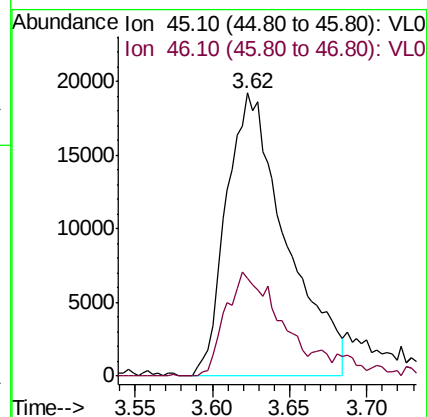
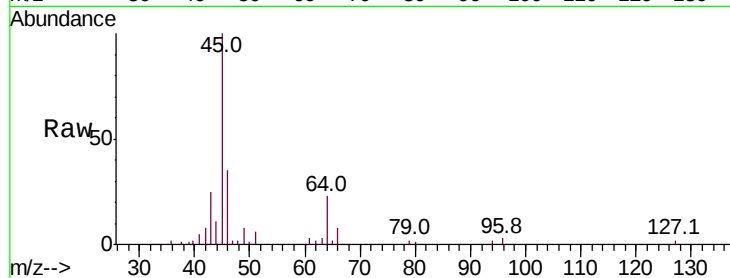
Acq: 21 Dec 2021 19:39

Tot Ion: 45 Resp: 51877

Ion Ratio Lower Upper

45 100

46 40.5 0.0 0.0#



#14

Bromoethene

Concen: 8.993 ppbv

RT: 3.75 min Scan# 300

Delta R.T. 0.01 min

Lab File: VL038221.D

Acq: 21 Dec 2021 19:39

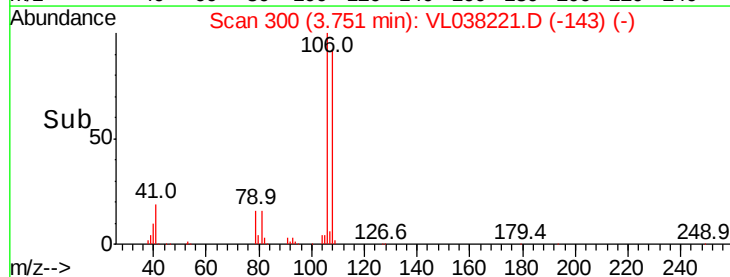
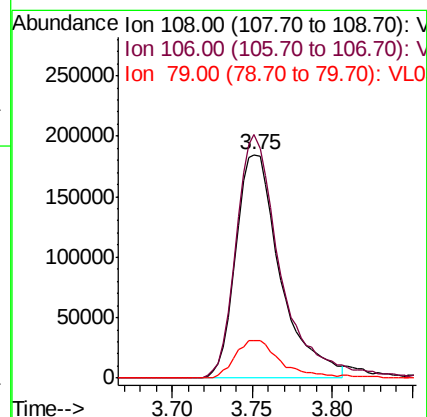
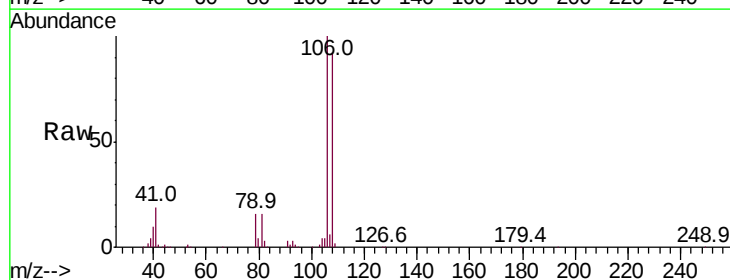
Tgt Ion: 108 Resp: 351472

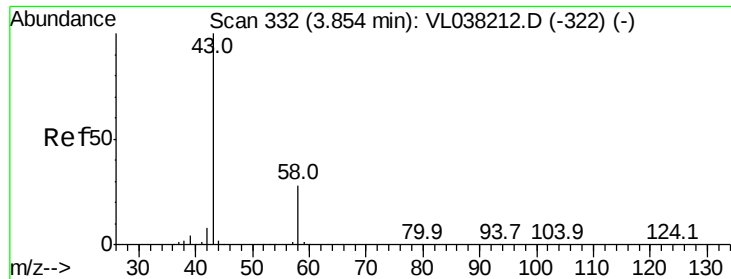
Ion Ratio Lower Upper

108 100

106 109.8 88.2 132.2

79 18.1 13.7 20.5





#15

Acetone

Concen: 7.979 ppbv

RT: 3.86 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

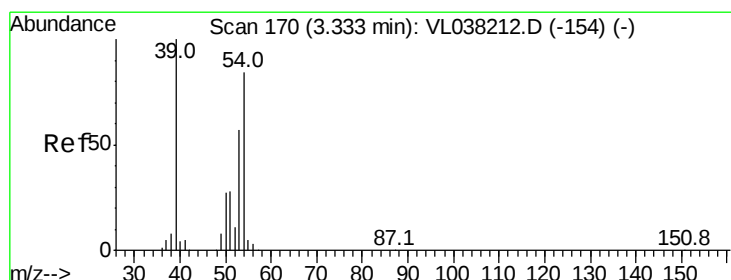
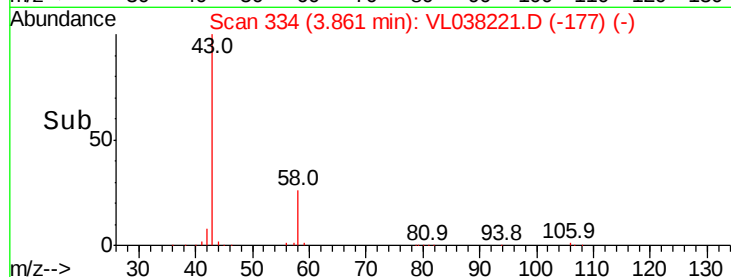
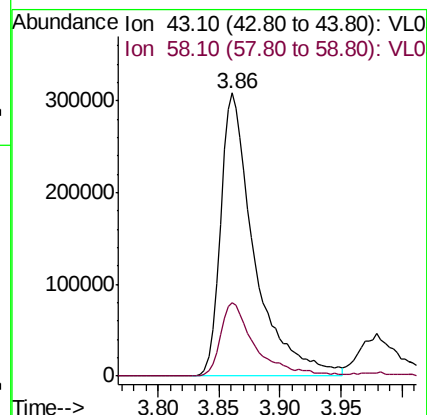
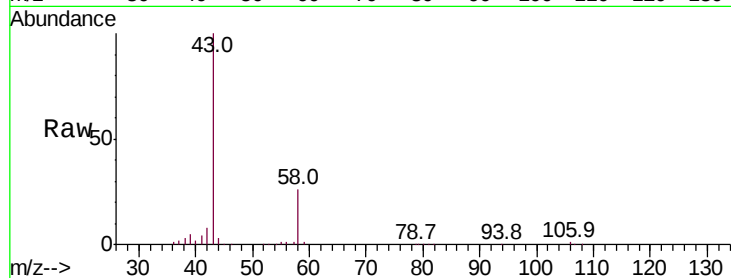
Acq: 21 Dec 2021 19:39

Tot Ion: 43 Resp: 600983

Ion Ratio Lower Upper

43 100

58 26.9 23.3 34.9



#16

1,3-Butadiene

Concen: 8.799 ppbv

RT: 3.34 min Scan# 172

Delta R.T. 0.01 min

Lab File: VL038221.D

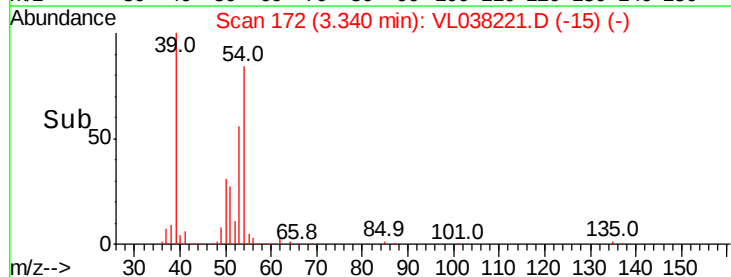
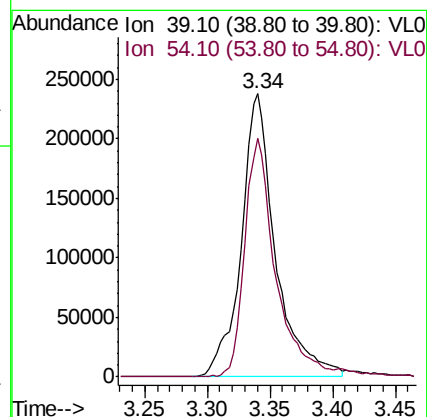
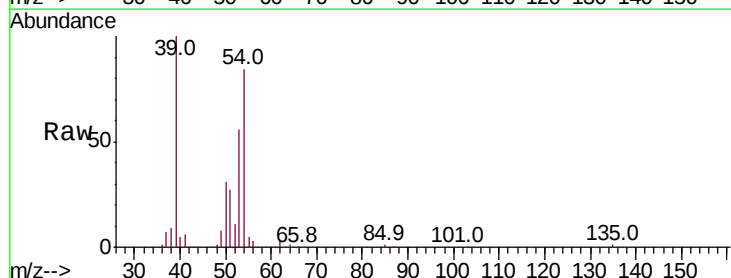
Acq: 21 Dec 2021 19:39

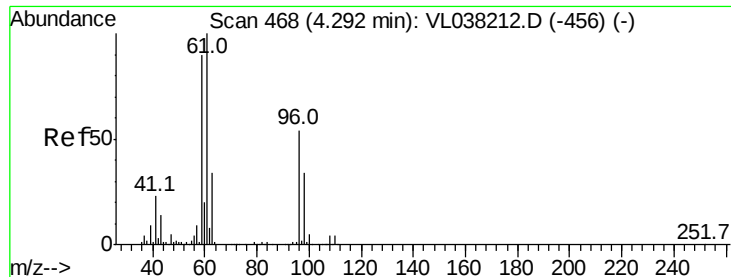
Tgt Ion: 39 Resp: 451513

Ion Ratio Lower Upper

39 100

54 78.3 62.9 94.3





#17

tert-Butyl alcohol

Concen: 8.277 ppbv

RT: 4.30 min Instrument: MSVOA_1

Delta R.T. 0.01 min

Lab File: VL038221.D

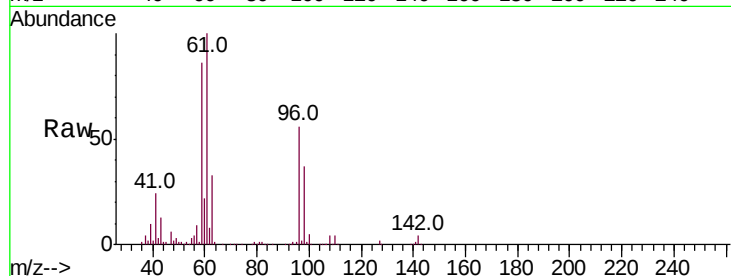
Acq: 21 Dec 2021 19:39

Tot Ion: 59 Resp: 684770

Ion Ratio Lower Upper

59 100

57 11.0 8.7 13.1



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.30

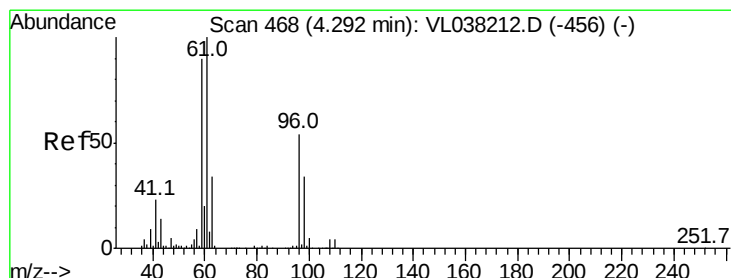
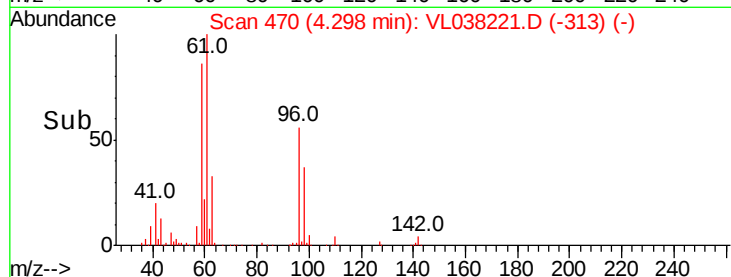
300000

200000

100000

0

Time-->



#18

1,1-Dichloroethene

Concen: 8.861 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.01 min

Lab File: VL038221.D

Acq: 21 Dec 2021 19:39

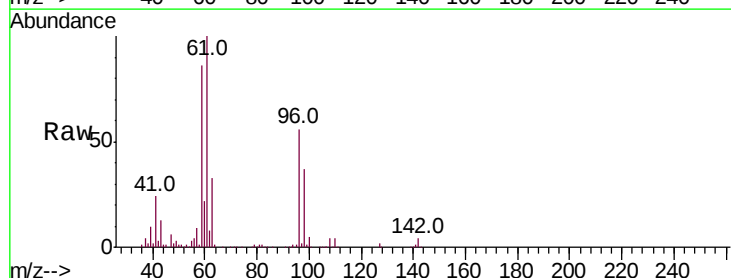
Tgt Ion: 96 Resp: 380674

Ion Ratio Lower Upper

96 100

61 177.3 147.4 221.0

98 65.2 50.7 76.1



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

500000

400000

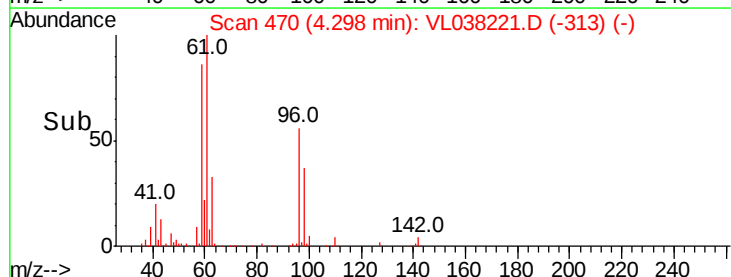
300000

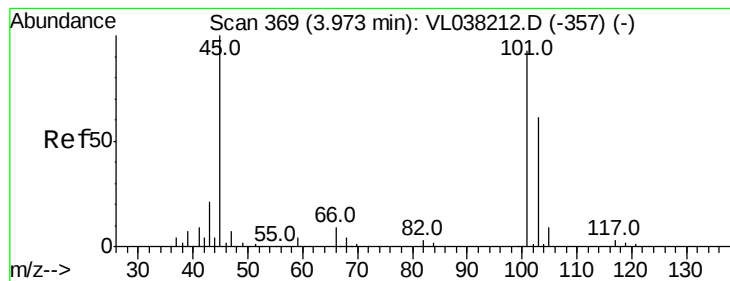
200000

100000

0

Time-->





#19

Isopropyl Alcohol

Concen: 7.841 ppbv

RT: 3.98 Instrument:

Delta R.T. MSVOA.L

Lab File: ClientSampleId:

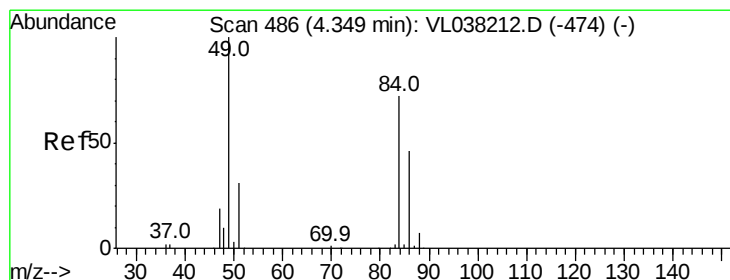
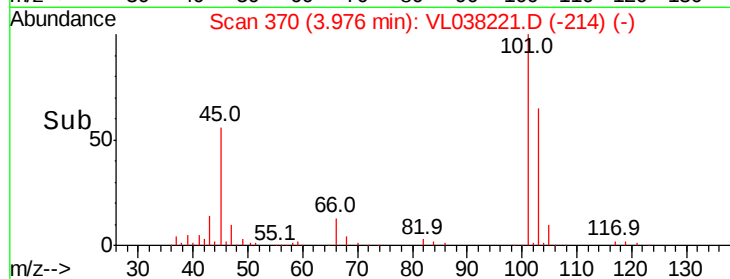
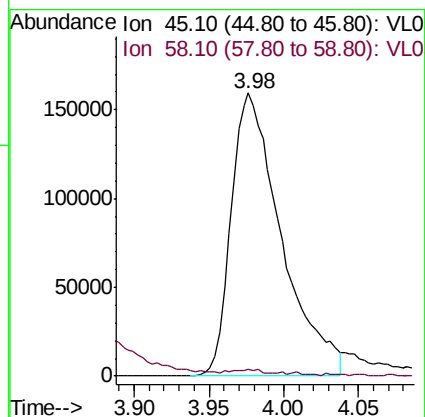
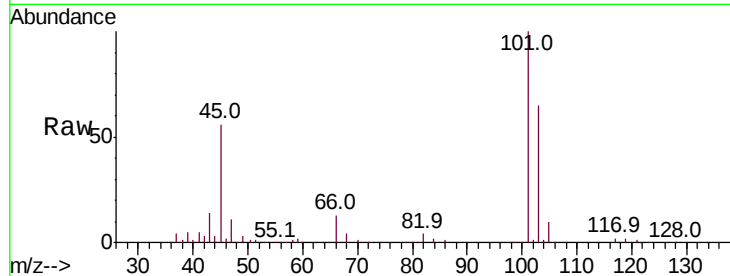
Acq: 21 Dec 2021 19:39

Tot Ion: 45 Resp: 368354

Ion Ratio Lower Upper

45 100

58 2.7 32.4 48.6#



#20

Methylene Chloride

Concen: 7.246 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.00 min

Lab File: VL038221.D

Acq: 21 Dec 2021 19:39

Tgt Ion: 84 Resp: 308146

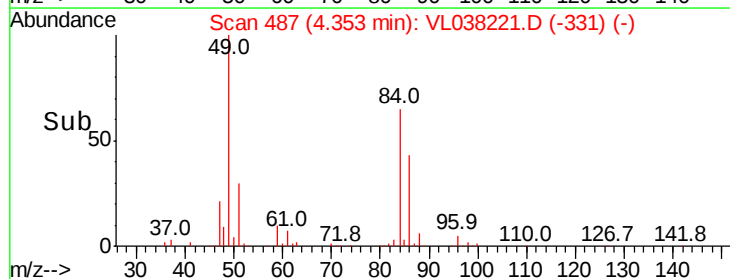
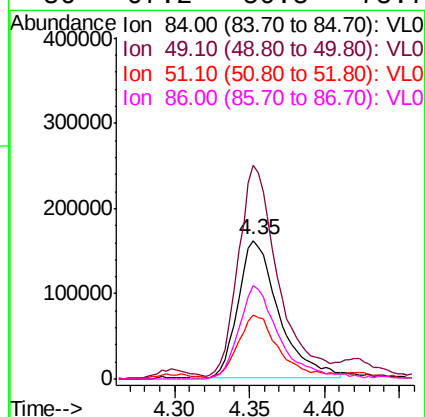
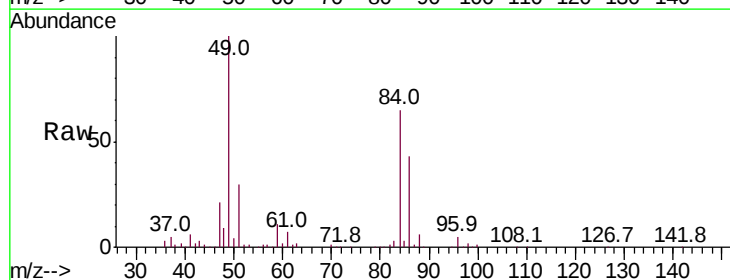
Ion Ratio Lower Upper

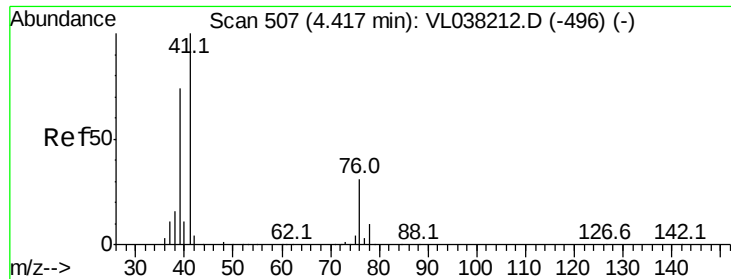
84 100

49 151.5 110.6 166.0

51 44.4 34.2 51.2

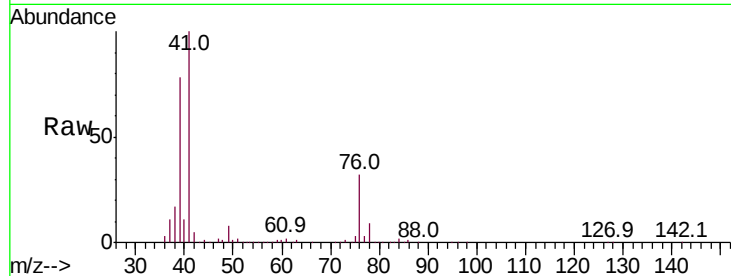
86 67.2 50.5 75.7



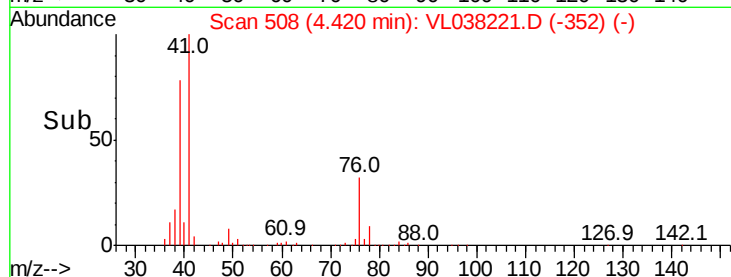
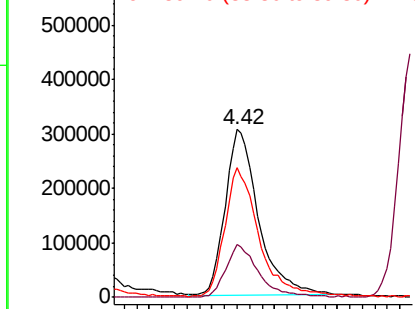


#21
Allvl Chloride
Concen: 8.854 ppbv
RT: 4.42
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 21 Dec 2021 19:39

Tot Ion: 41 Resp: 564136
Ion Ratio Lower Upper
41 100
76 31.9 25.2 37.8
39 80.2 66.1 99.1

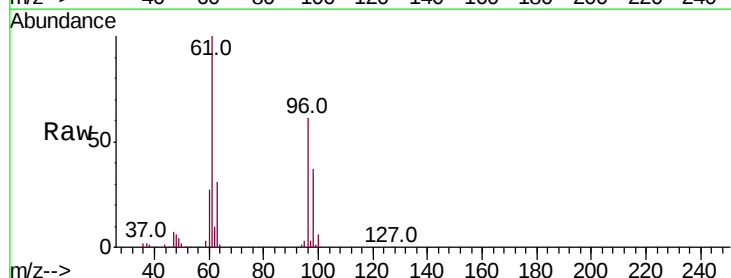
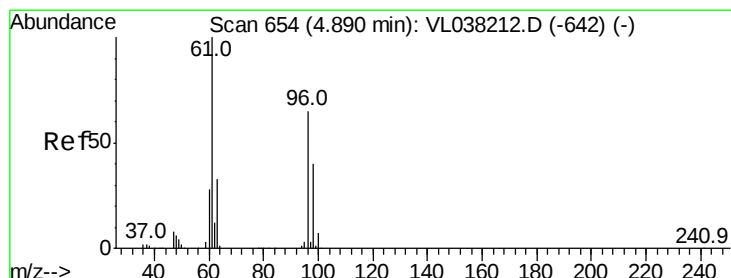


Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0

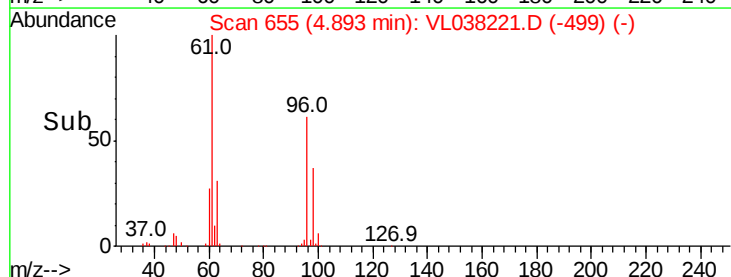
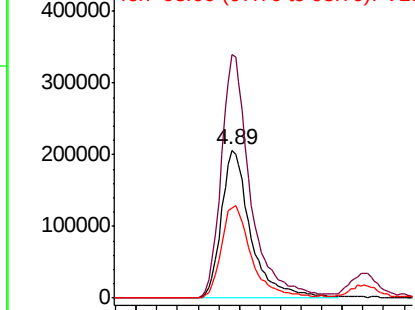


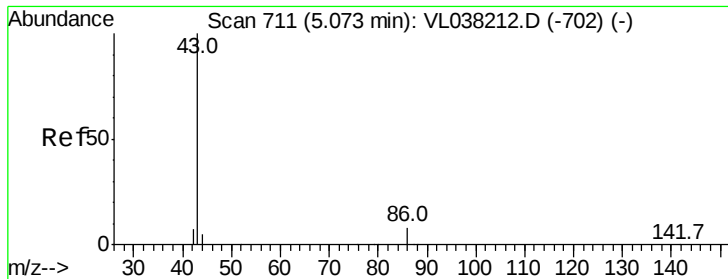
#22
trans-1,2-Dichloroethene
Concen: 9.367 ppbv
RT: 4.89 min Scan# 655
Delta R.T. 0.00 min
Lab File: VL038221.D
Acq: 21 Dec 2021 19:39

Tgt Ion: 96 Resp: 410593
Ion Ratio Lower Upper
96 100
61 164.9 123.5 185.3
98 61.0 50.0 75.0



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: 9.212 ppbv

RT: 5.08 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 21 Dec 2021 19:39

Tot Ion: 43 Resp: 939476

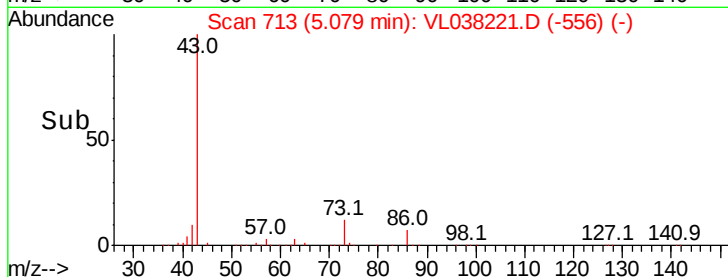
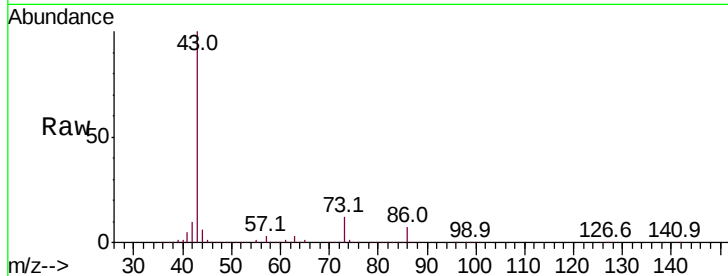
Ion Ratio Lower Upper

43 100

86 7.0 5.6 8.4

42 9.7 7.0 10.4

44 4.9 3.9 5.9

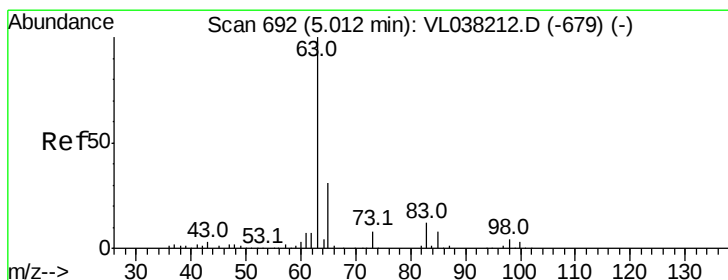
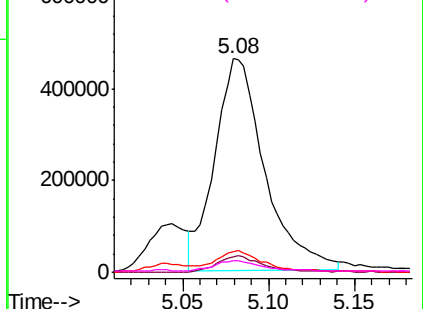


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 8.668 ppbv

RT: 5.02 min Scan# 694

Delta R.T. 0.01 min

Lab File: VL038221.D

Acq: 21 Dec 2021 19:39

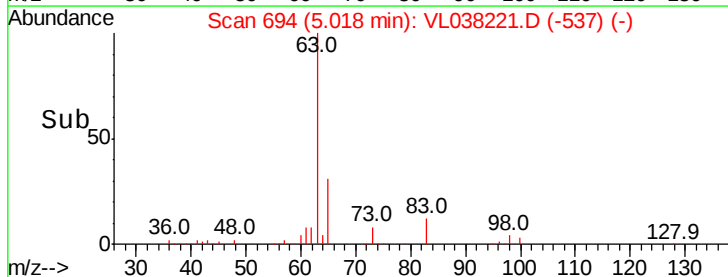
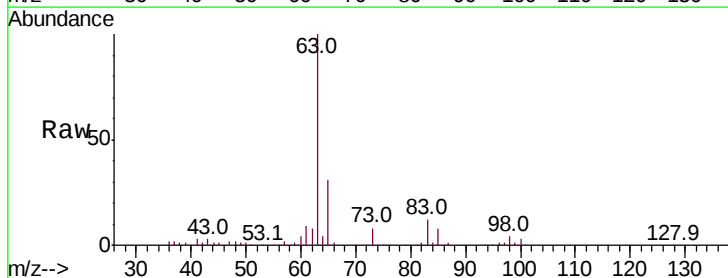
Tgt Ion: 63 Resp: 790607

Ion Ratio Lower Upper

63 100

98 4.0 2.2 6.6

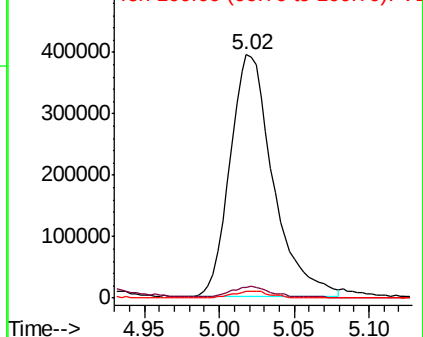
100 2.8 1.5 4.4

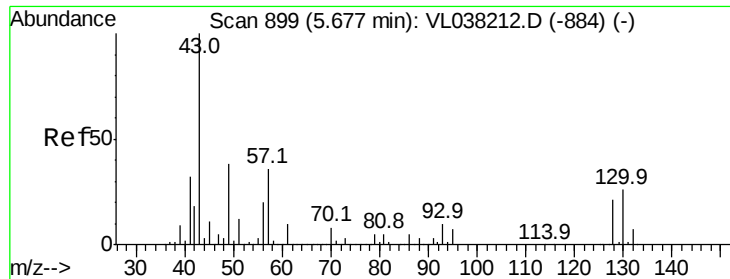


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

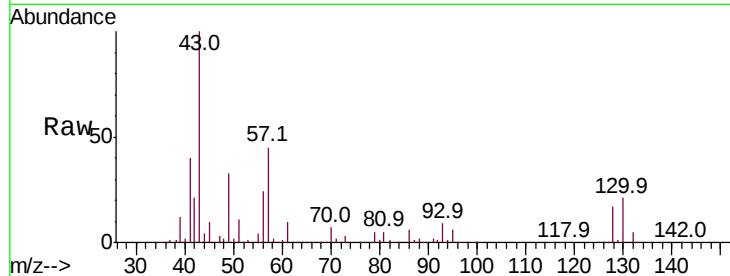




#25
Ethyl Acetate
Concen: 8.844 ppbv
RT: 5.69 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 21 Dec 2021 19:39

Tot Ion: 43 Resp: 1804874

Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.9	11.9
61	9.7	8.1	12.1
70	6.9	5.5	8.3



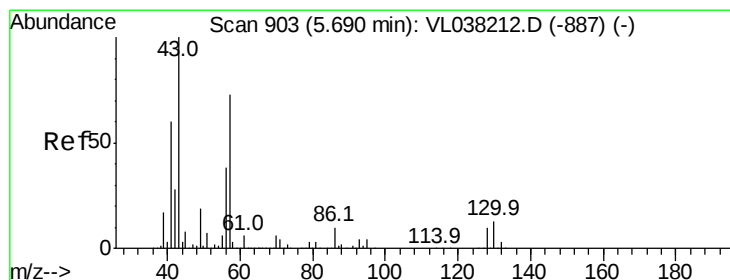
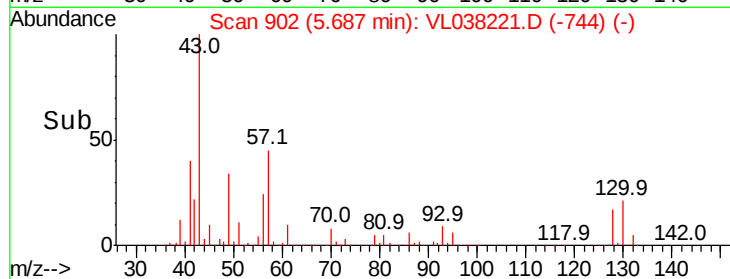
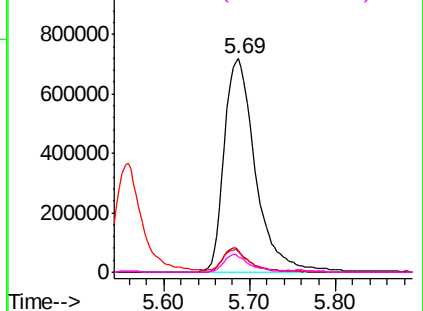
Abundance

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

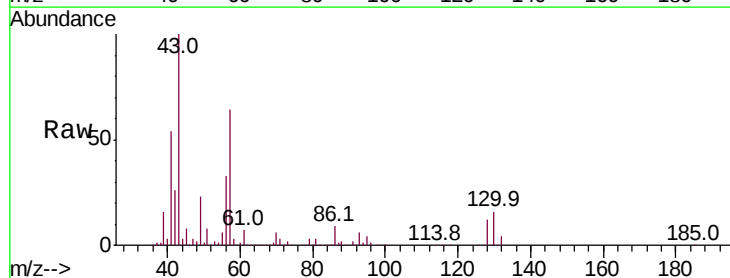
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 8.172 ppbv
RT: 5.69 min Scan# 904
Delta R.T.: 0.00 min
Lab File: VL038221.D
Acq: 21 Dec 2021 19:39

Tgt Ion: 57 Resp: 836680

Ion	Ratio	Lower	Upper
57	100		
41	88.3	69.0	103.6
43	217.1	171.2	256.8
56	52.7	41.5	62.3



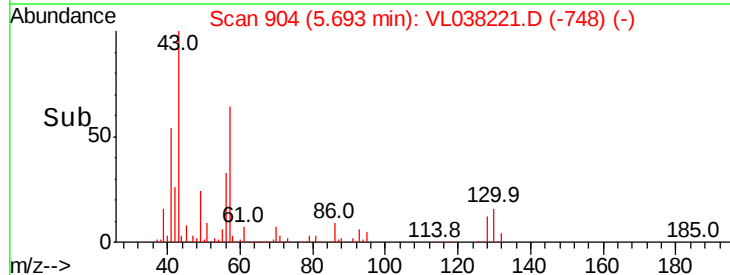
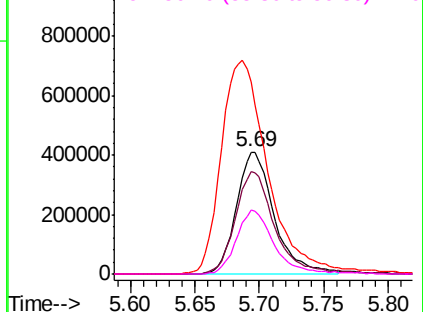
Abundance

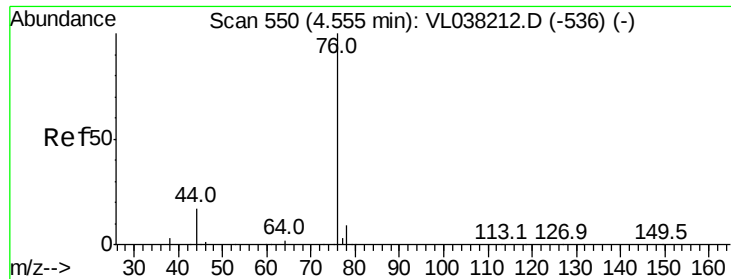
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

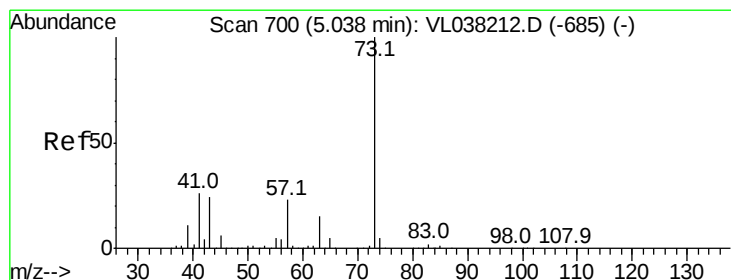
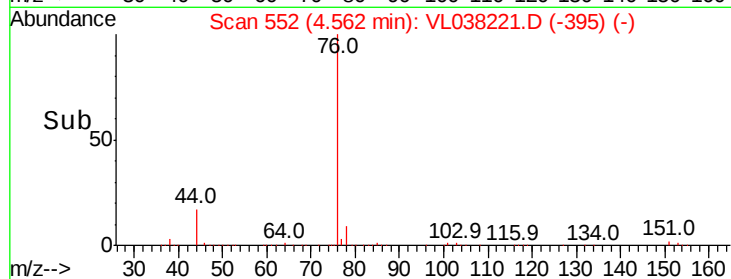
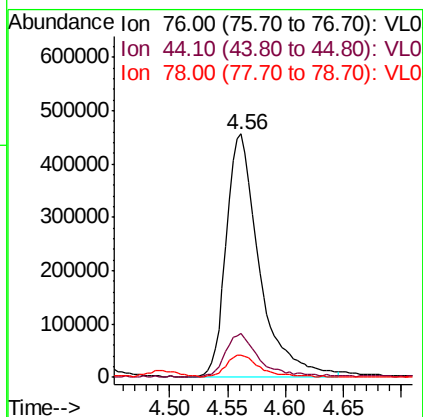
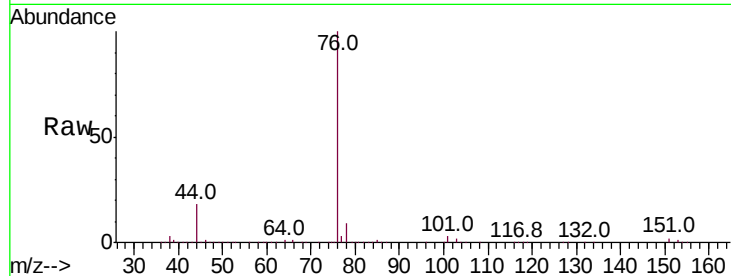
Ion 56.10 (55.80 to 56.80): VL0





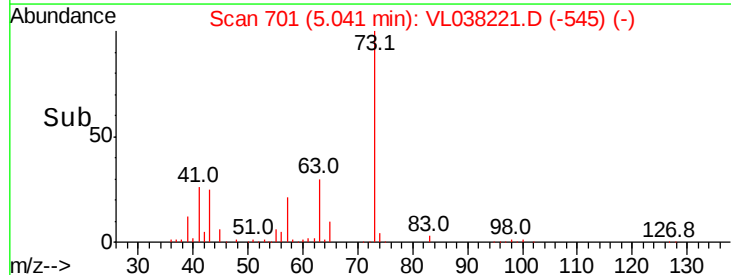
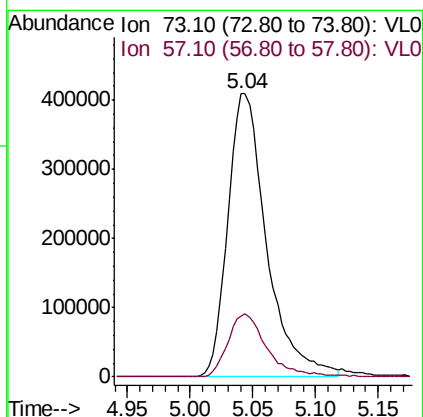
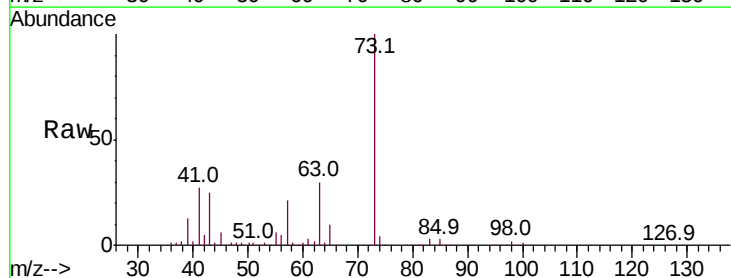
#27
Carbon Disulfide
Concen: 9.985 ppbv
RT: 4.56
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 21 Dec 2021 19:39

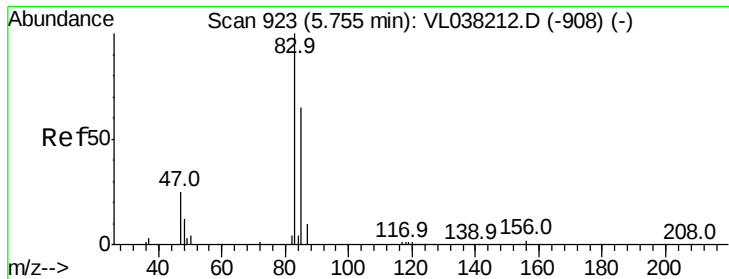
Tot Ion	Ratio	Lower	Upper
76	100		
44	17.9	14.2	21.4
78	9.9	7.7	11.5



#28
Methyl tert-Butyl Ether
Concen: 8.556 ppbv
RT: 5.04 min Scan# 701
Delta R.T.: 0.00 min
Lab File: VL038221.D
Acq: 21 Dec 2021 19:39

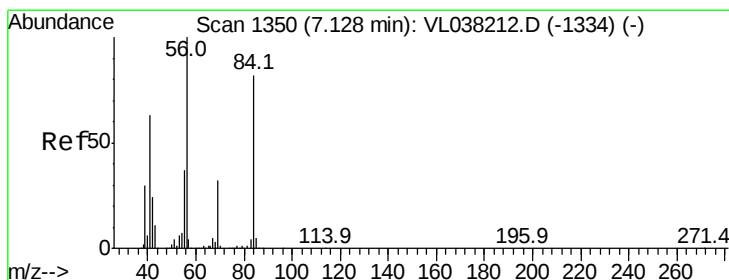
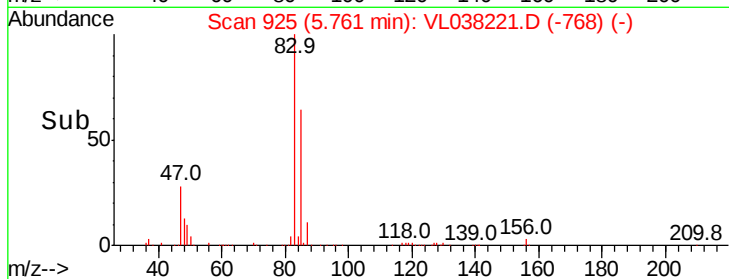
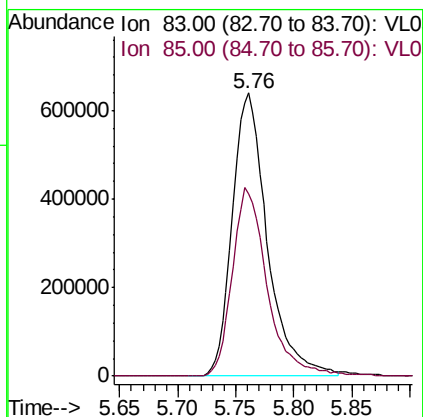
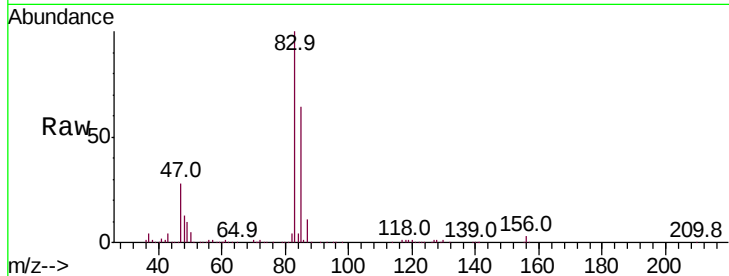
Tgt Ion	Ratio	Lower	Upper
73	100		
57	22.9	18.8	28.2





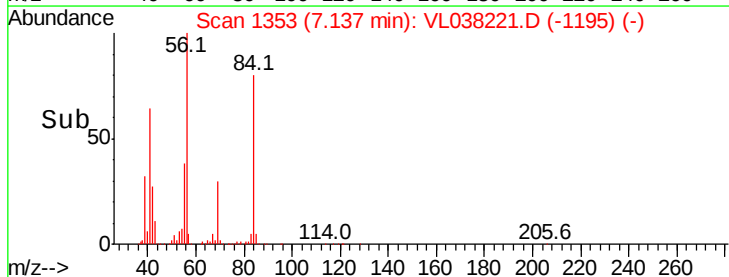
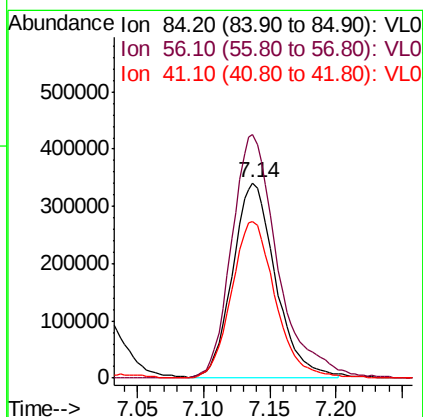
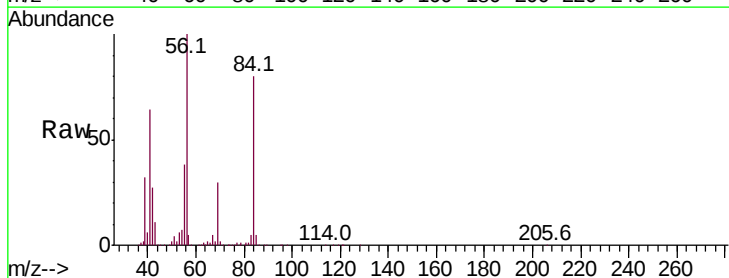
#29
Chloroform
Concen: 8.833 ppbv
RT: 5.76
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 21 Dec 2021 19:39

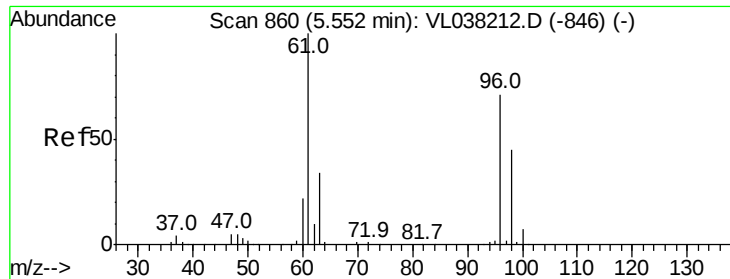
Tot Ion: 83 Resp: 1342052
Ion Ratio Lower Upper
83 100
85 64.1 52.2 78.4



#30
Cyclohexane
Concen: 8.509 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. 0.01 min
Lab File: VL038221.D
Acq: 21 Dec 2021 19:39

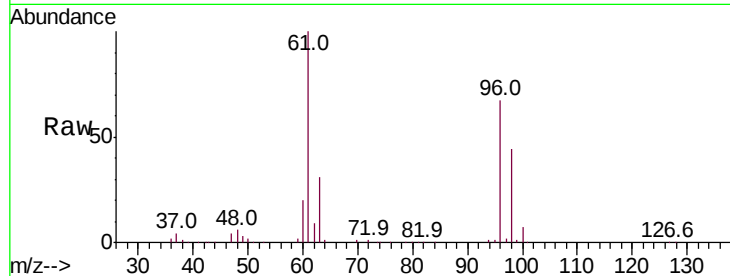
Tgt Ion: 84 Resp: 771585
Ion Ratio Lower Upper
84 100
56 134.0 105.2 157.8
41 81.3 63.2 94.8



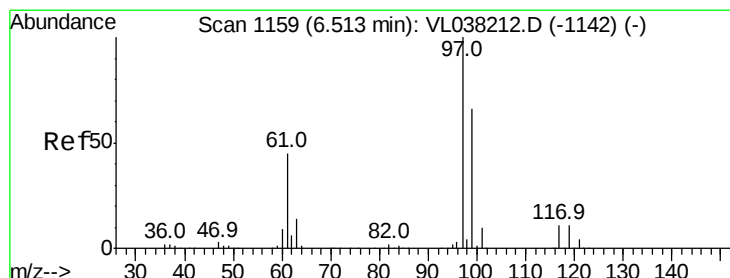
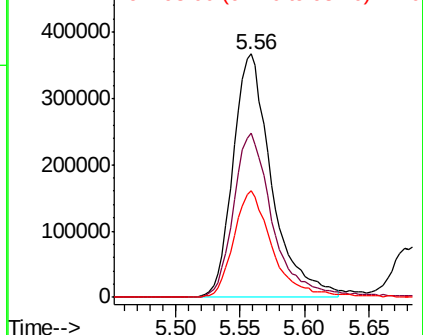
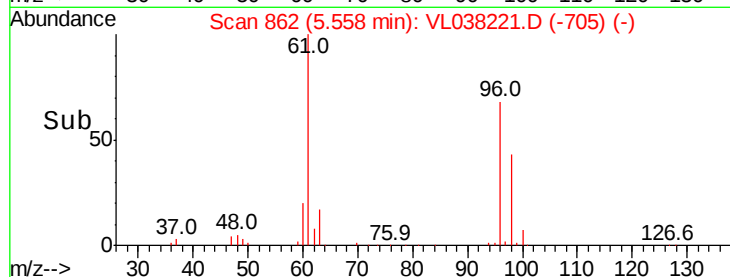


#31
 cis-1,2-Dichloroethene
 Concen: 9.553 ppbv
 RT: 5.56
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 21 Dec 2021 19:39

Tot Ion: 61 Resp: 767081
 Ion Ratio Lower Upper
 61 100
 96 67.4 56.6 84.8
 98 43.7 36.3 54.5

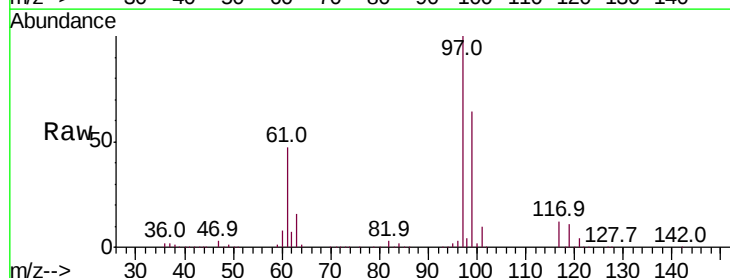


Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0

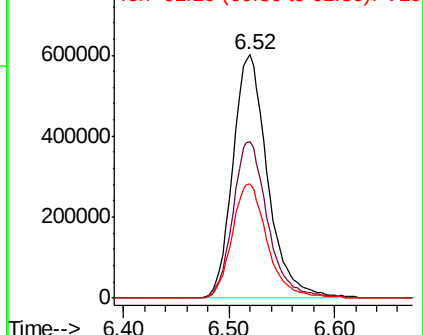
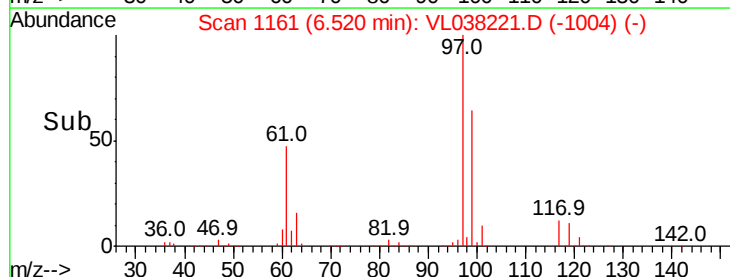


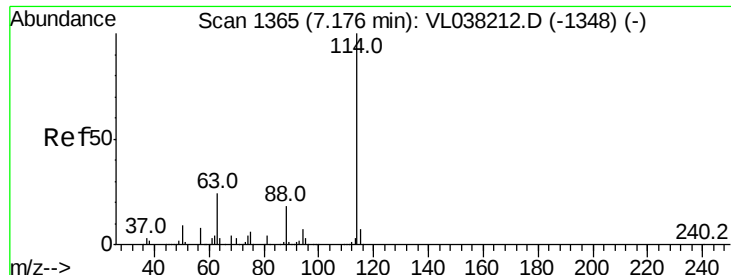
#32
 1,1,1-Trichloroethane
 Concen: 9.100 ppbv
 RT: 6.52 min Scan# 1161
 Delta R.T.: 0.01 min
 Lab File: VL038221.D
 Acq: 21 Dec 2021 19:39

Tgt Ion: 97 Resp: 1371776
 Ion Ratio Lower Upper
 97 100
 99 64.7 52.4 78.6
 61 47.8 37.2 55.8



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: 7.18

Instrument: MSVOA_L

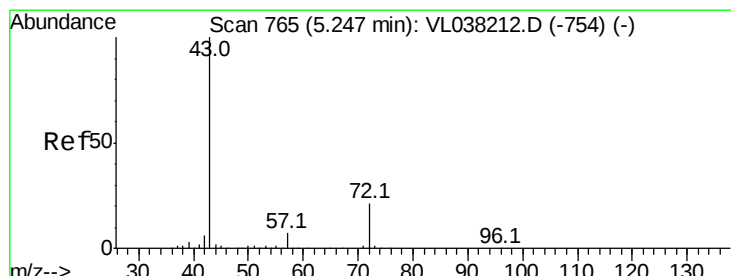
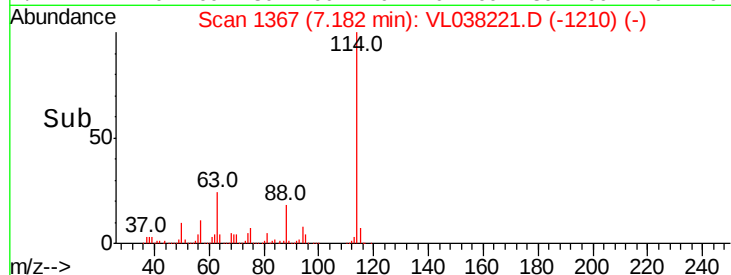
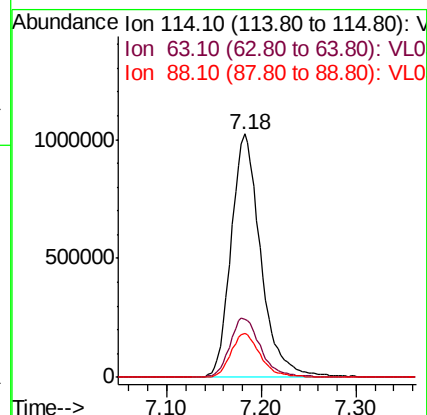
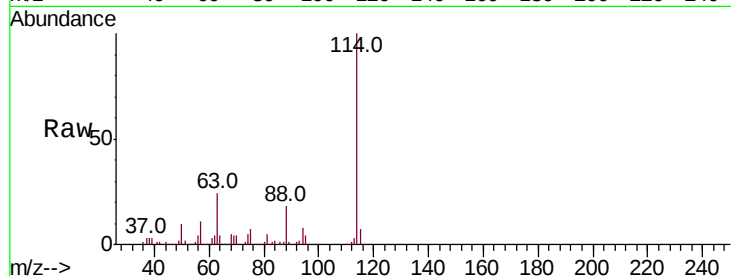
Delta R.T.

Lab File: ClientSampleId:

Acq: 21 Dec 2021 19:39

Tot Ion:114 Resp: 2231030

Ion	Ratio	Lower	Upper
114	100		
63	25.7	19.7	29.5
88	18.2	14.3	21.5



#34

2-Butanone

Concen: 9.385 ppbv

RT: 5.25 min Scan# 767

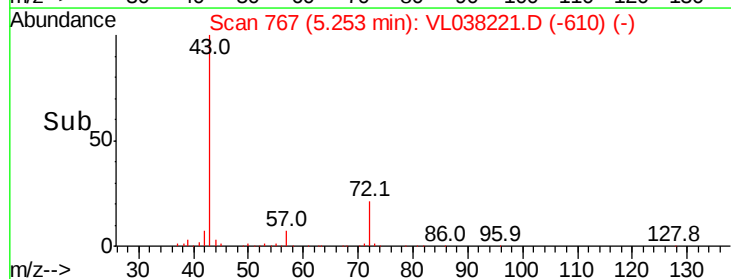
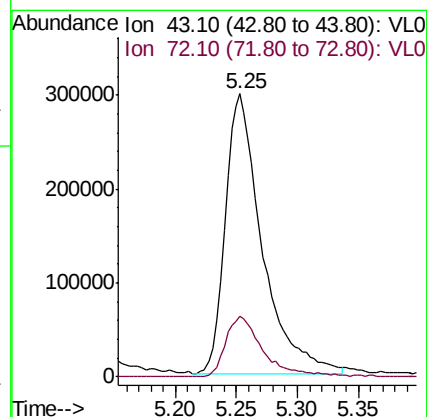
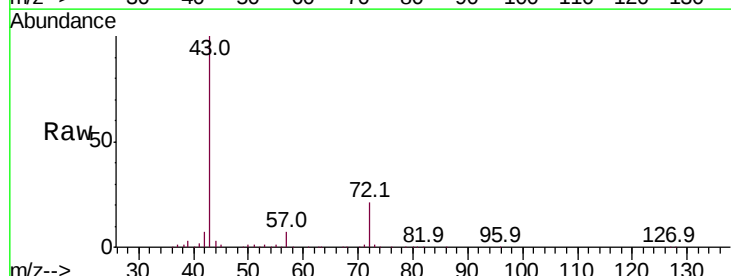
Delta R.T. 0.01 min

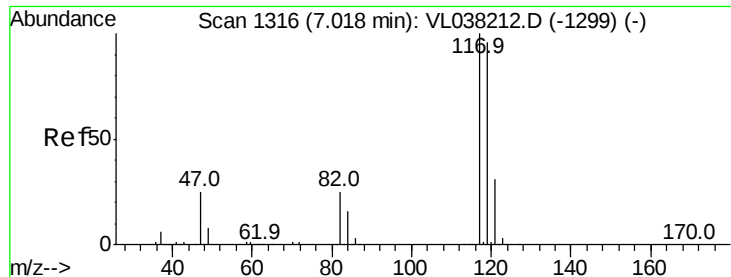
Lab File: VL038221.D

Acq: 21 Dec 2021 19:39

Tgt Ion: 43 Resp: 629342

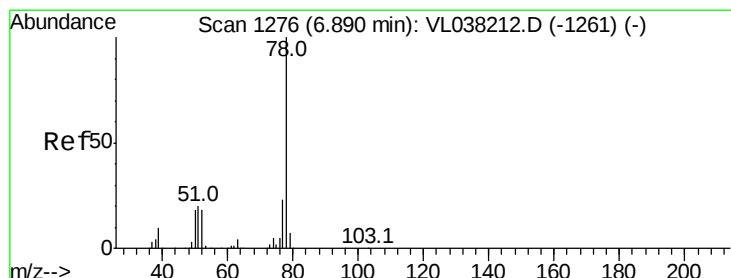
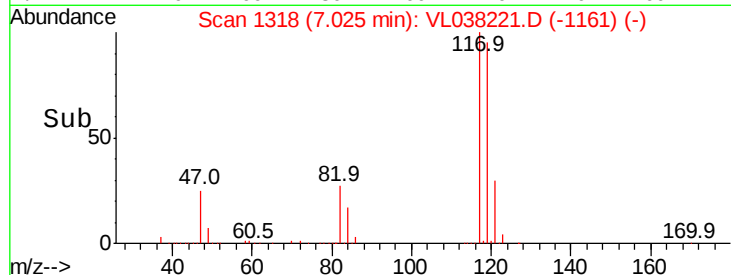
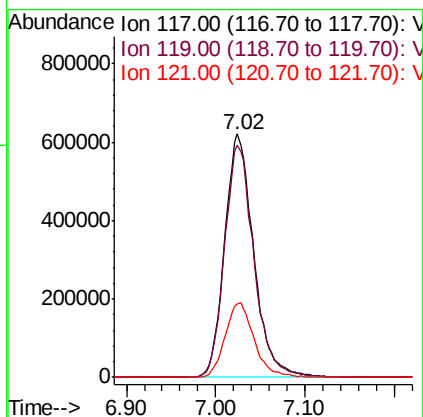
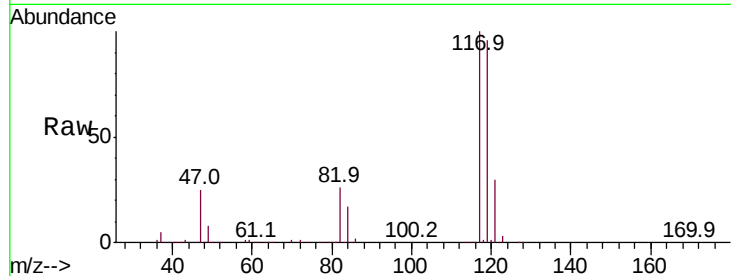
Ion	Ratio	Lower	Upper
43	100		
72	22.6	18.3	27.5





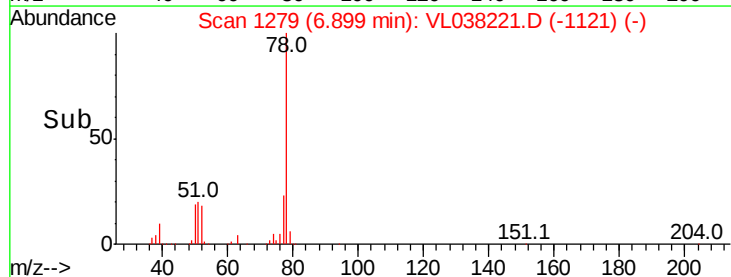
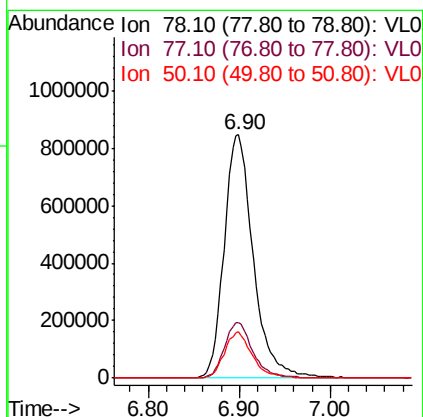
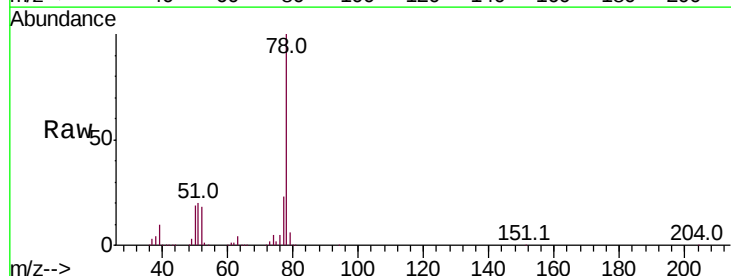
#35
 Carbon Tetrachloride
 Concen: 10.190 ppbv
 RT: 7.02
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 21 Dec 2021 19:39

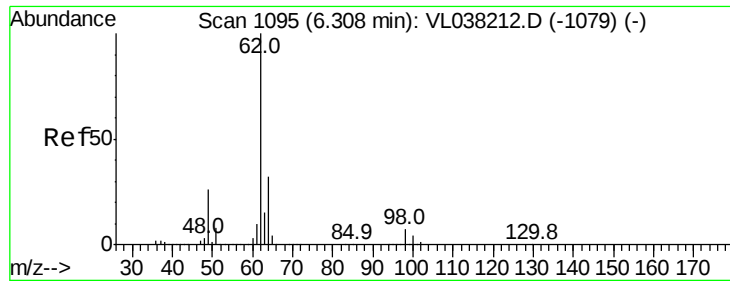
Tot Ion: 117 Resp: 1403246
 Ion Ratio Lower Upper
 117 100
 119 95.5 76.7 115.1
 121 30.0 25.0 37.4



#36
 Benzene
 Concen: 9.038 ppbv
 RT: 6.90 min Scan# 1279
 Delta R.T. 0.01 min
 Lab File: VL038221.D
 Acq: 21 Dec 2021 19:39

Tgt Ion: 78 Resp: 1880784
 Ion Ratio Lower Upper
 78 100
 77 22.7 18.2 27.4
 50 19.0 14.3 21.5





#37

1,2-Dichloroethane

Concen: 9.854 ppbv

RT: 6.31 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

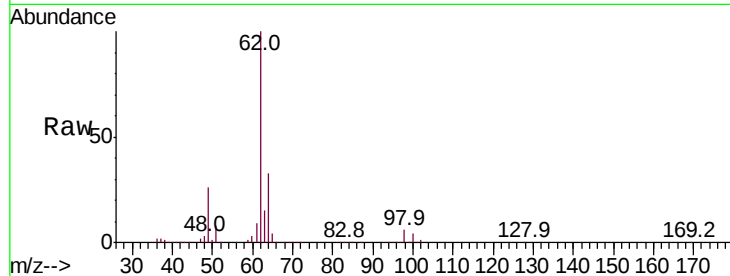
Acq: 21 Dec 2021 19:39

Tot Ion: 62 Resp: 1028976

Ion Ratio Lower Upper

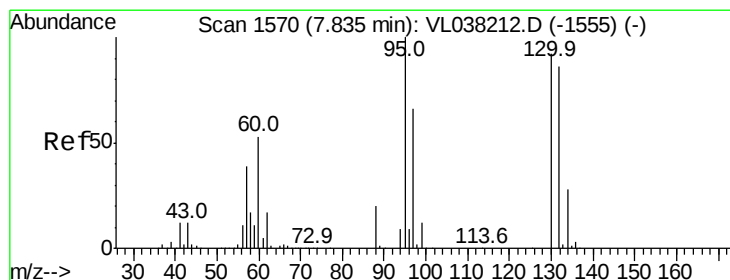
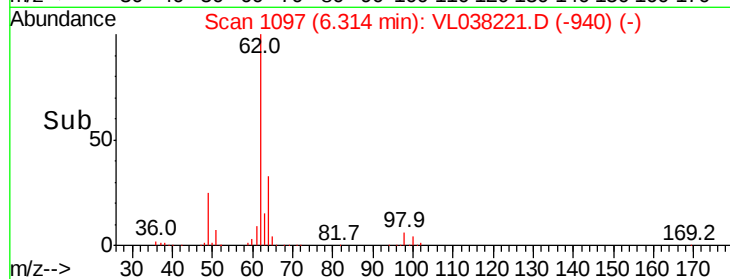
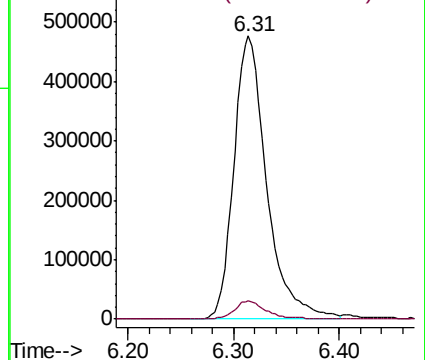
62 100

98 6.6 5.5 8.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 8.512 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. 0.01 min

Lab File: VL038221.D

Acq: 21 Dec 2021 19:39

Tgt Ion:130 Resp: 674100

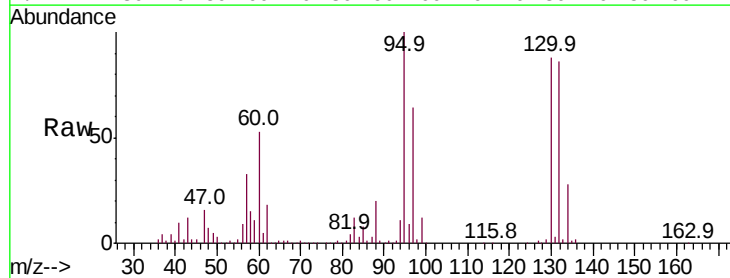
Ion Ratio Lower Upper

130 100

95 113.5 87.0 130.4

132 97.8 75.1 112.7

97 72.8 57.0 85.4

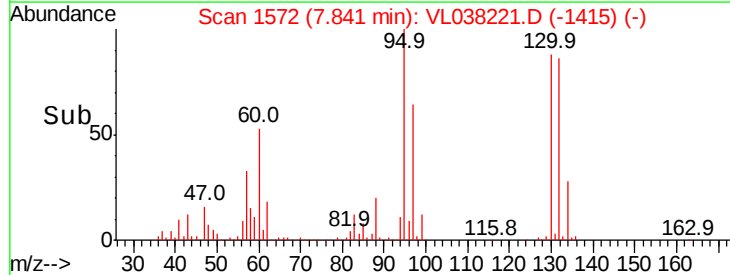
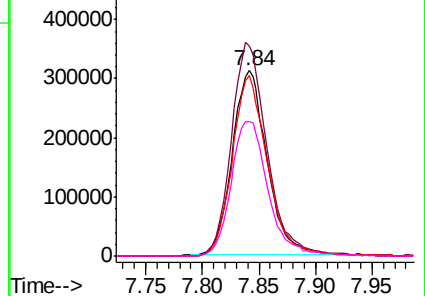


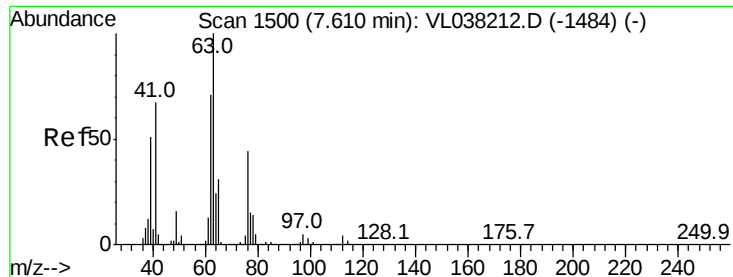
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 9.075 ppbv

RT: 7.62 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 21 Dec 2021 19:39

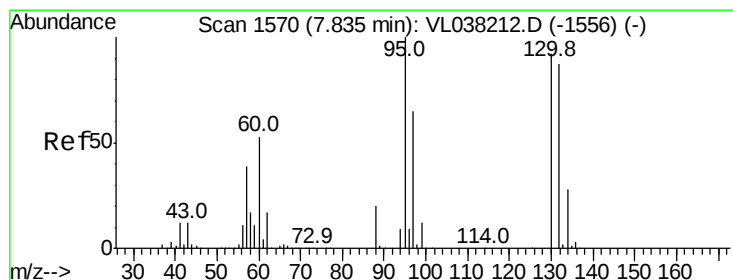
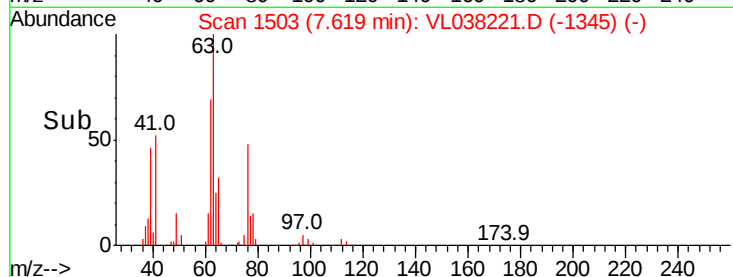
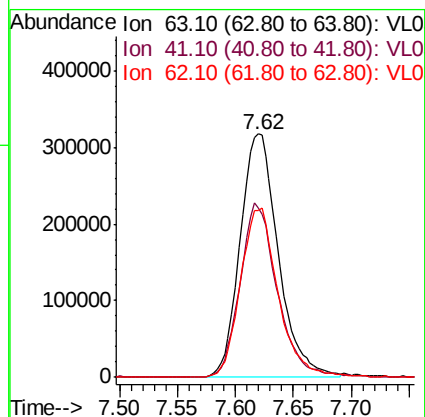
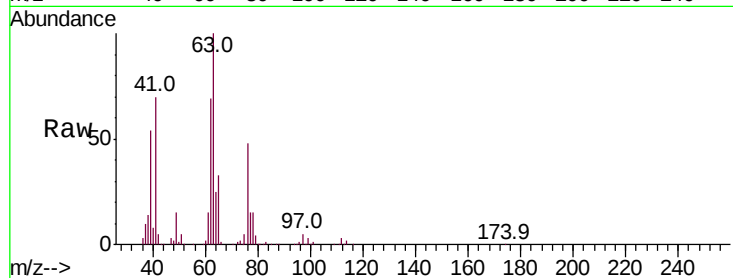
Tot Ion: 63 Resp: 726830

Ion Ratio Lower Upper

63 100

41 69.5 53.4 80.2

62 68.7 56.5 84.7



#40

1,4-Dioxane

Concen: 7.719 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. 0.01 min

Lab File: VL038221.D

Acq: 21 Dec 2021 19:39

Tgt Ion: 88 Resp: 179834

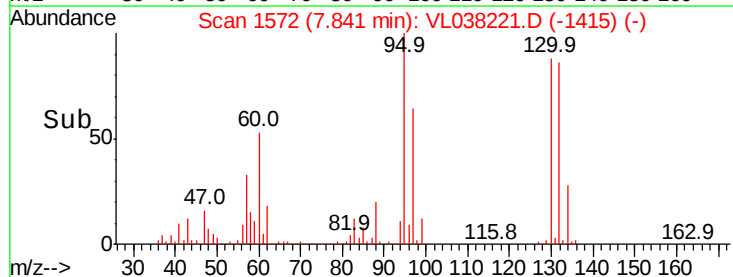
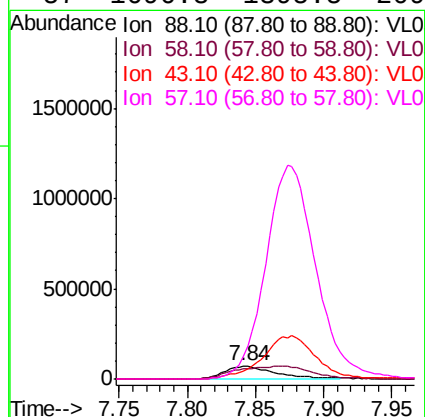
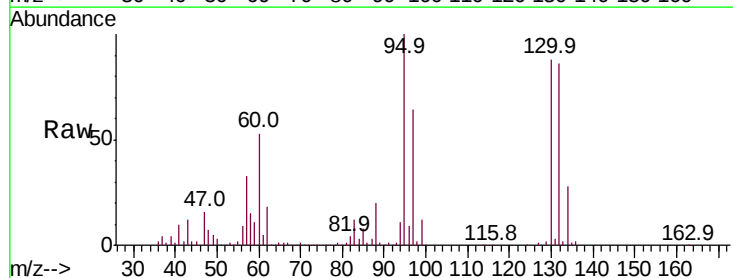
Ion Ratio Lower Upper

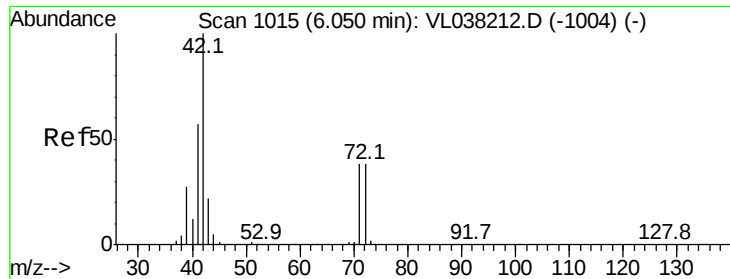
88 100

58 154.8 127.8 191.8

43 369.8 301.0 451.6

57 1696.8 1395.5 2093.3





#41

Tetrahydrofuran

Concen: 9.097 ppbv

RT: 6.06 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 21 Dec 2021 19:39

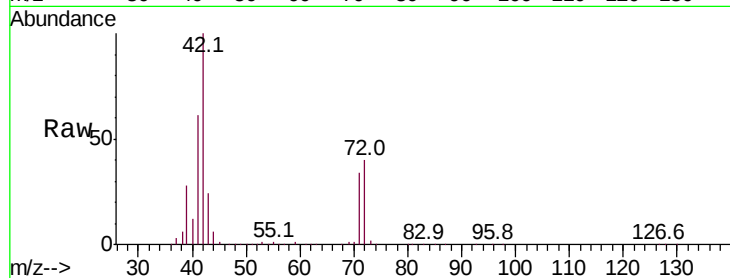
Tot Ion: 42 Resp: 446796

Ion Ratio Lower Upper

42 100

72 40.6 31.4 47.0

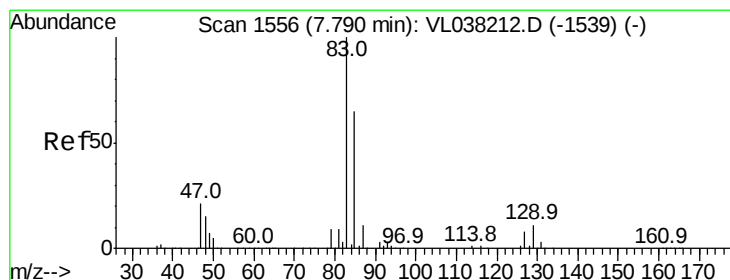
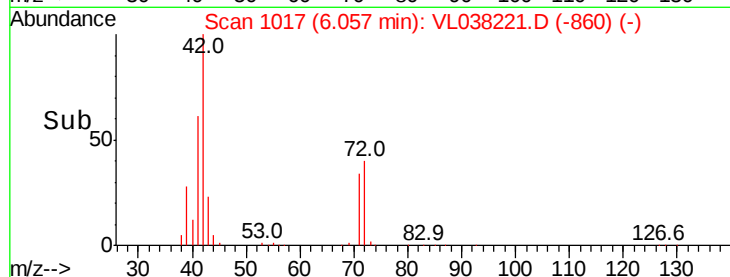
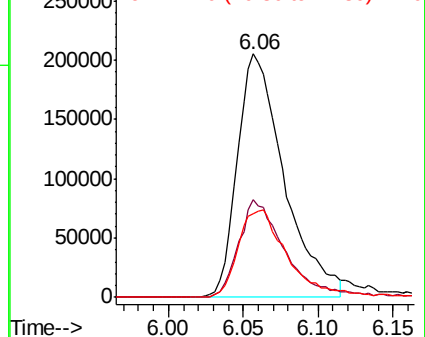
71 38.8 30.0 45.0



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 9.982 ppbv

RT: 7.80 min Scan# 1559

Delta R.T. 0.01 min

Lab File: VL038221.D

Acq: 21 Dec 2021 19:39

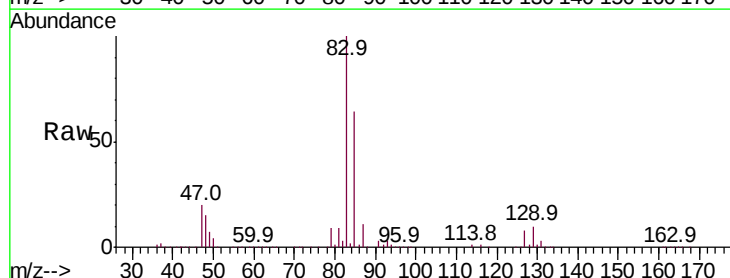
Tgt Ion: 83 Resp: 1483075

Ion Ratio Lower Upper

83 100

85 63.7 52.0 78.0

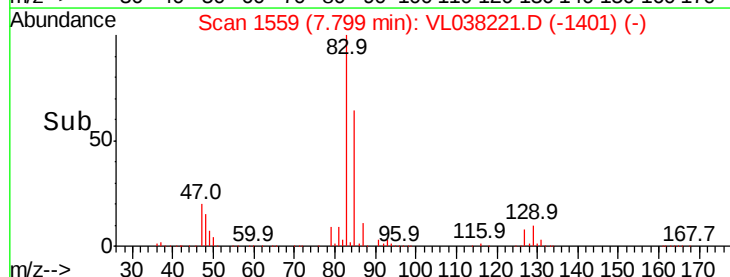
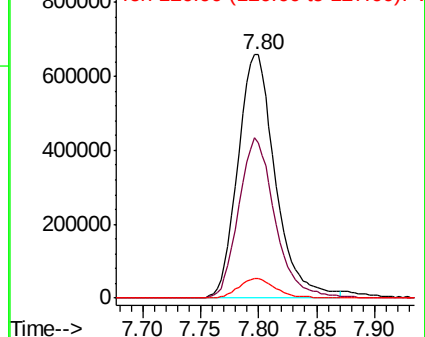
127 7.8 6.1 9.1

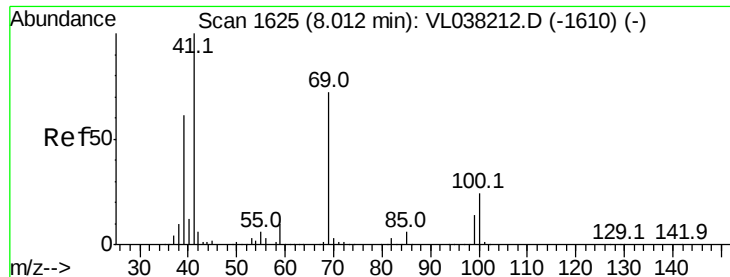


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

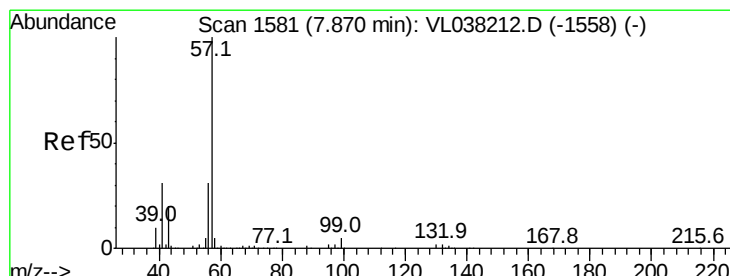
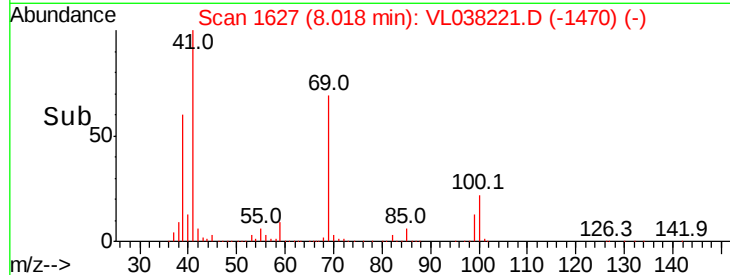
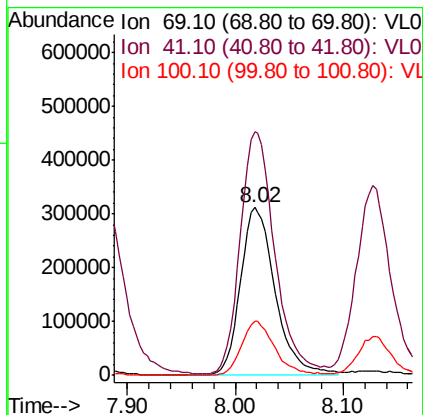
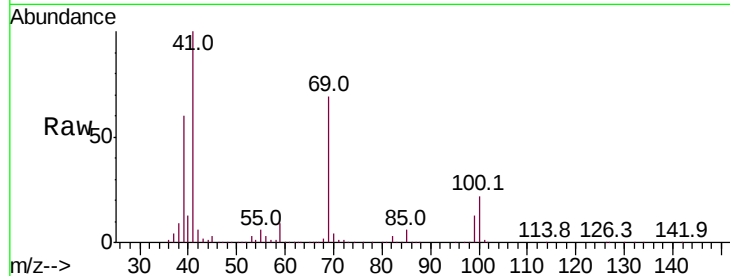
Ion 126.90 (126.60 to 127.60): V





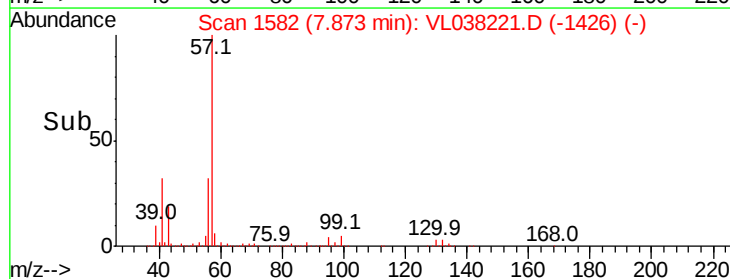
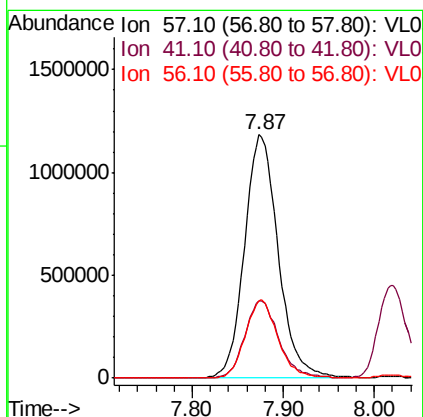
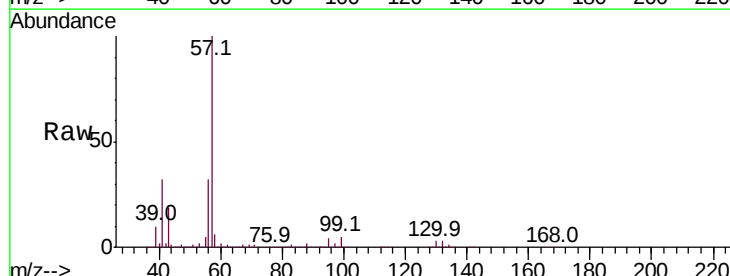
#43
Methyl Methacrylate
Concen: 9.783 ppbv
RT: 8.02
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 21 Dec 2021 19:39

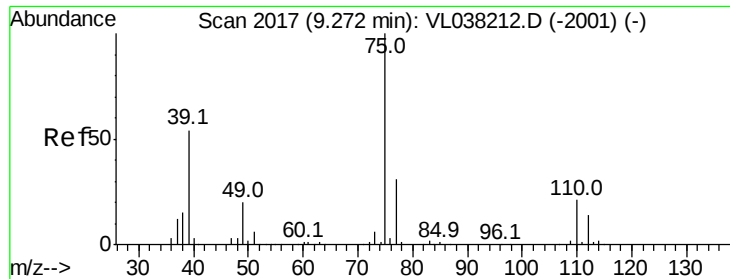
Tot Ion: 69 Resp: 700626
Ion Ratio Lower Upper
69 100
41 144.6 116.0 174.0
100 31.0 26.6 39.8



#44
2,2,4-Trimethylpentane
Concen: 8.602 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VL038221.D
Acq: 21 Dec 2021 19:39

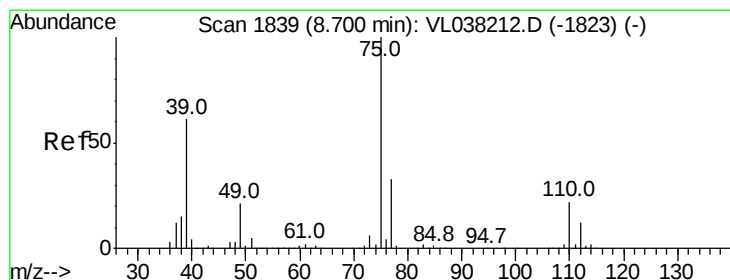
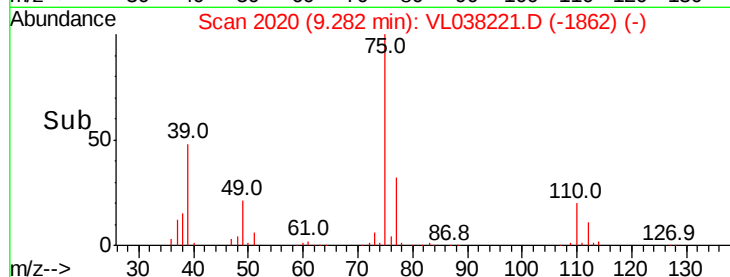
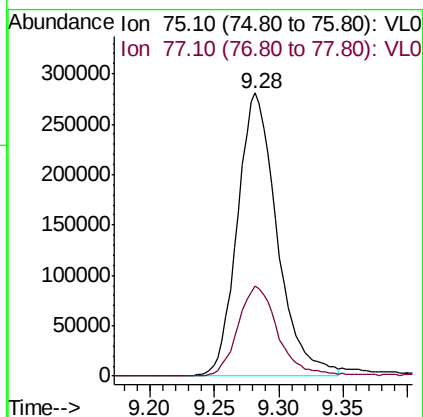
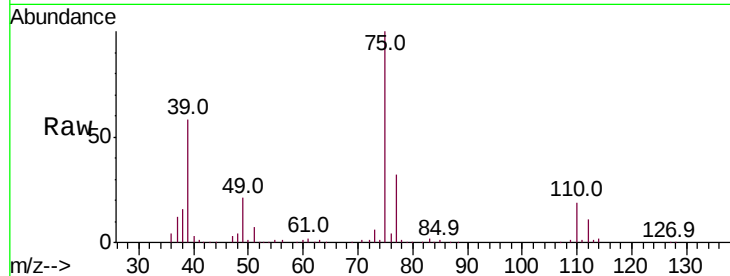
Tgt Ion: 57 Resp: 3040992
Ion Ratio Lower Upper
57 100
41 31.9 24.9 37.3
56 31.2 24.8 37.2





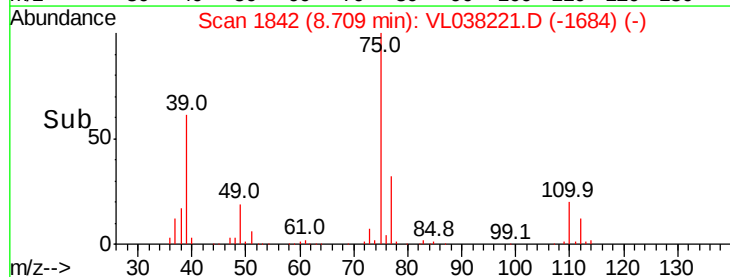
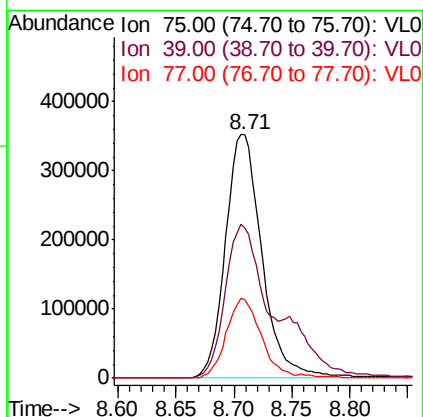
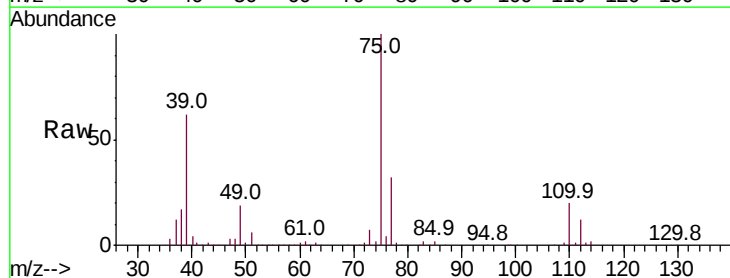
#45
t-1,3-Dichloropropene
Concen: 11.384 ppbv
RT: 9.28
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 21 Dec 2021 19:39

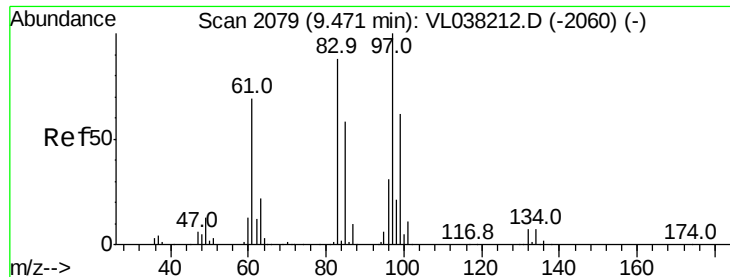
Tot Ion: 75 Resp: 603360
Ion Ratio Lower Upper
75 100
77 31.9 24.7 37.1



#46
cis-1,3-Dichloropropene
Concen: 10.463 ppbv
RT: 8.71 min Scan# 1842
Delta R.T. 0.01 min
Lab File: VL038221.D
Acq: 21 Dec 2021 19:39

Tgt Ion: 75 Resp: 767629
Ion Ratio Lower Upper
75 100
39 61.7 48.9 73.3
77 32.3 26.2 39.2





#47

1,1,2-Trichloroethane

Concen: 8.944 ppbv

RT: 9.48 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 21 Dec 2021 19:39

Tot Ion: 97 Resp: 743496

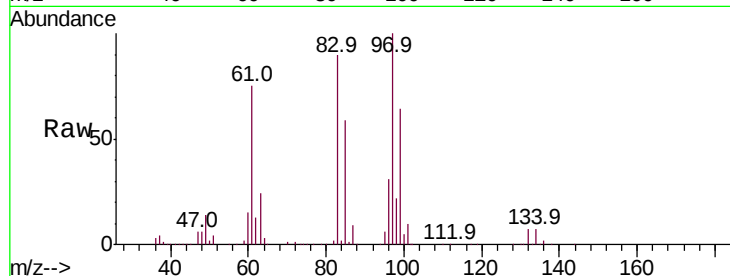
Ion	Ratio	Lower	Upper
97	100		
83	89.8	70.2	105.2
85	58.9	46.1	69.1
99	64.0	49.8	74.6

97 100

83 89.8 70.2 105.2

85 58.9 46.1 69.1

99 64.0 49.8 74.6



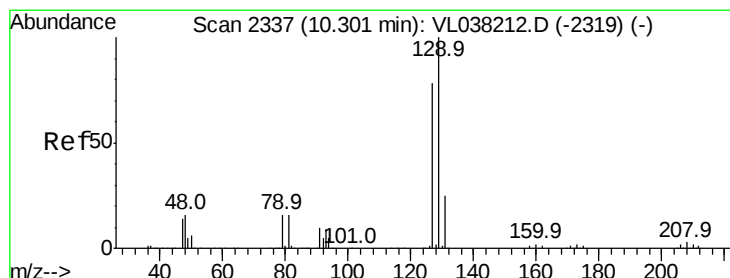
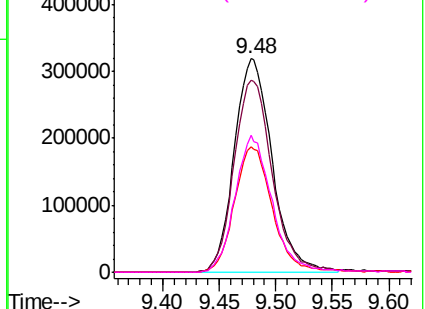
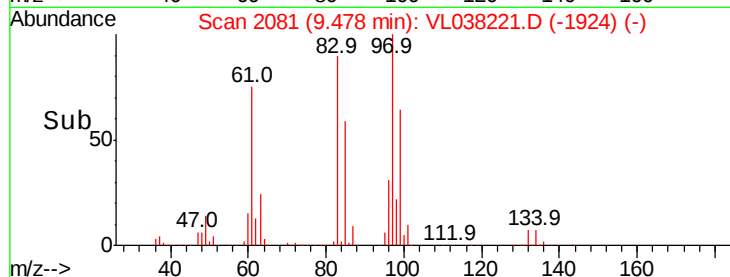
Abundance

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: 10.192 ppbv

RT: 10.31 min Scan# 2339

Delta R.T. 0.01 min

Lab File: VL038221.D

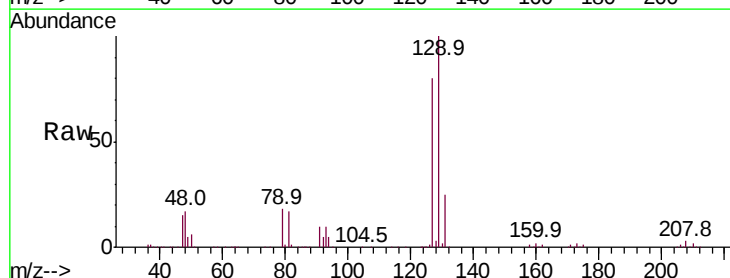
Acq: 21 Dec 2021 19:39

Tgt Ion: 129 Resp: 1191380

Ion	Ratio	Lower	Upper
129	100		
127	82.0	40.2	120.6

129 100

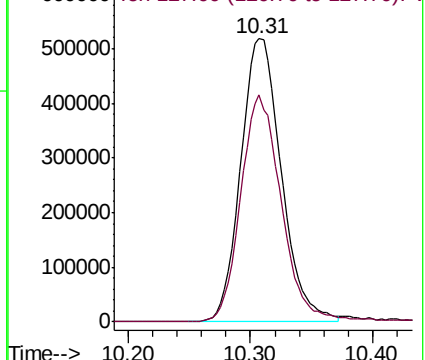
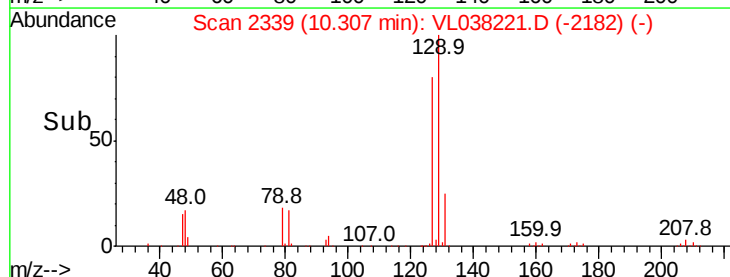
127 82.0 40.2 120.6

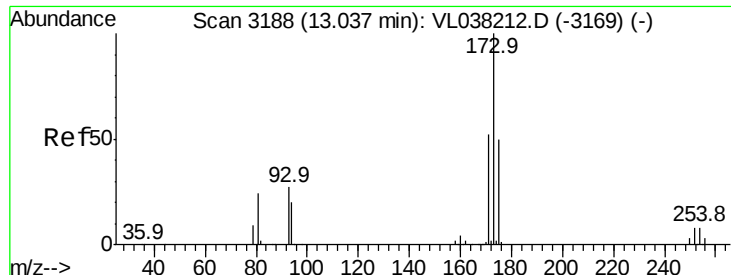


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.827 ppbv

RT: 13.04

Delta R.T. MSVOA_L

Lab File:

ClientSampleId:

Acq: 21 Dec 2021 19:39

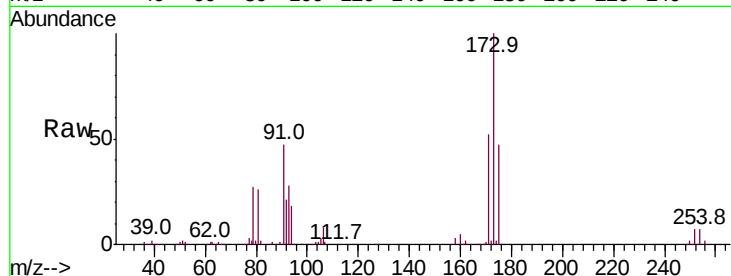
Tot Ion:173 Resp: 899266

Ion Ratio Lower Upper

173 100

175 50.9 40.9 61.3

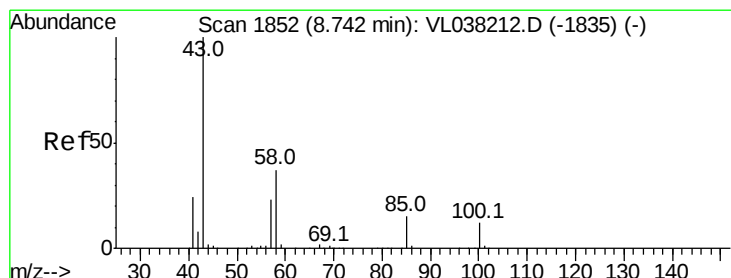
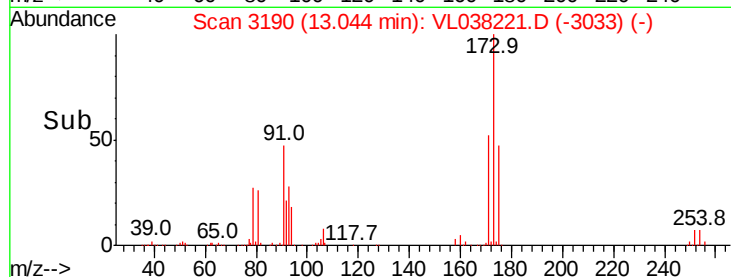
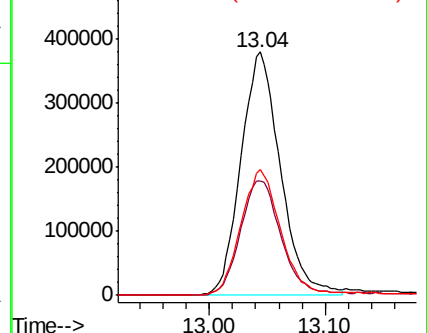
171 53.9 43.4 65.2



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: 9.937 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VL038221.D

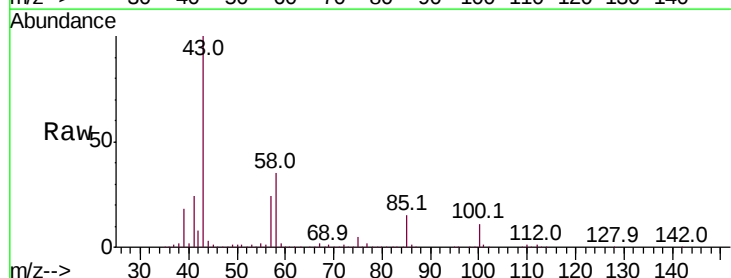
Acq: 21 Dec 2021 19:39

Tgt Ion: 43 Resp: 1211564

Ion Ratio Lower Upper

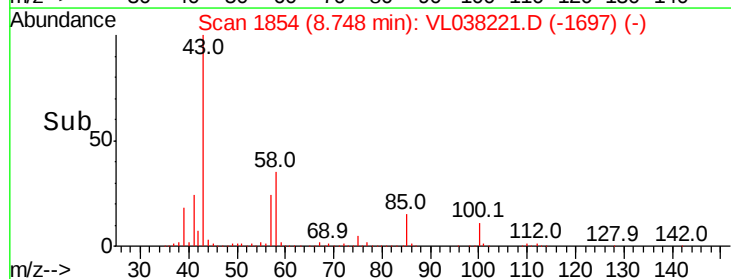
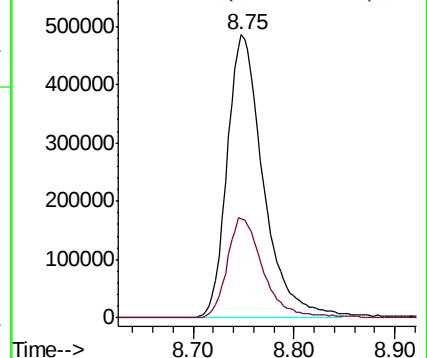
43 100

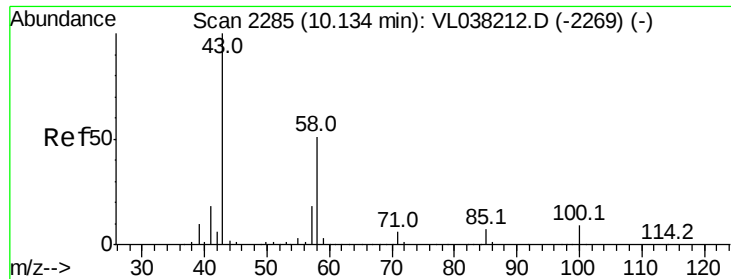
58 35.6 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

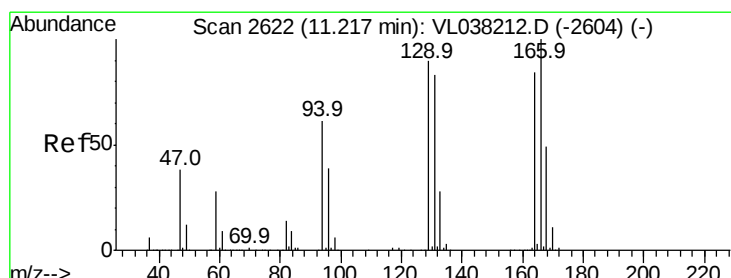
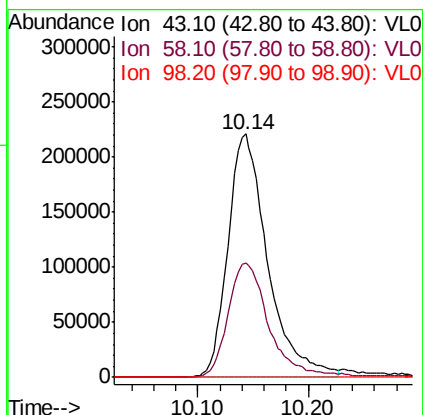
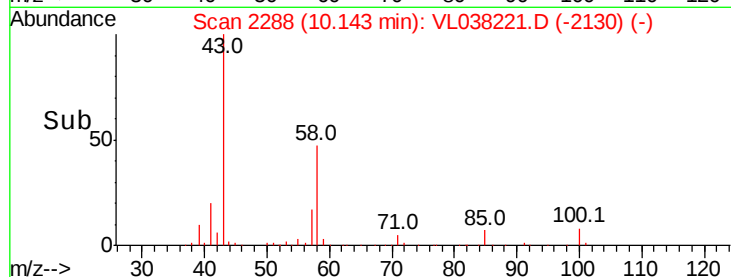
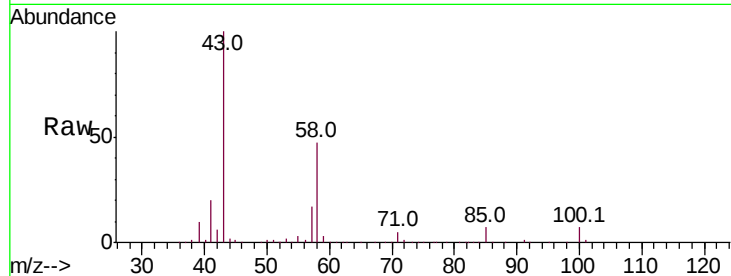
Ion 58.10 (57.80 to 58.80): VL0





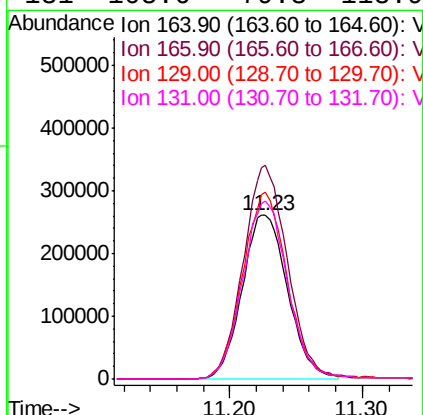
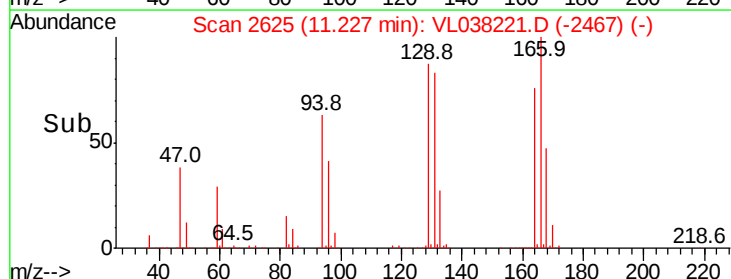
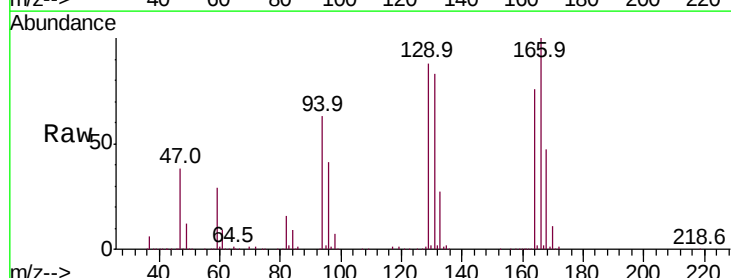
#51
2-Hexanone
Concen: 9.431 ppbv
RT: 10.14 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 21 Dec 2021 19:39

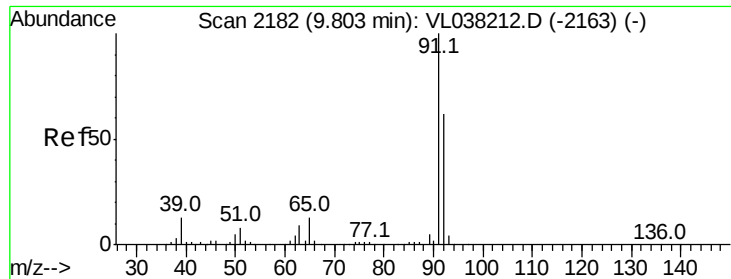
Tot Ion: 43 Resp: 550361
Ion Ratio Lower Upper
43 100
58 49.5 40.8 61.2
98 0.2 0.0 0.0#



#52
Tetrachloroethene
Concen: 8.072 ppbv
RT: 11.23 min Scan# 2625
Delta R.T.: 0.01 min
Lab File: VL038221.D
Acq: 21 Dec 2021 19:39

Tgt Ion: 164 Resp: 620088
Ion Ratio Lower Upper
164 100
166 130.7 95.6 143.4
129 114.4 85.8 128.8
131 108.6 79.3 118.9





#53

Toluene

Concen: 8.822 ppbv

RT: 9.81

Delta R.T. MSVOA_L

Lab File:

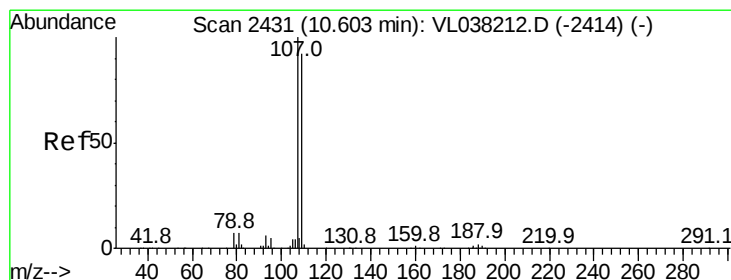
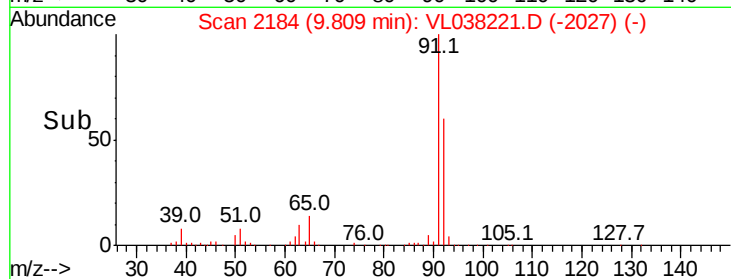
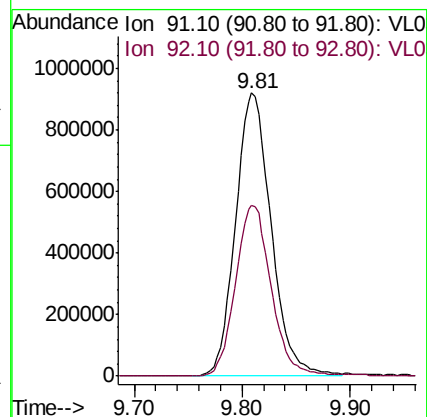
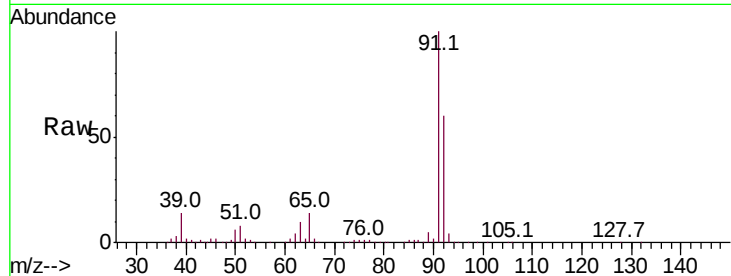
Acq: 21 Dec 2021 19:39

Tot Ion: 91 Resp: 2118287

Ion Ratio Lower Upper

91 100

92 60.9 48.9 73.3



#54

1,2-Dibromoethane

Concen: 9.199 ppbv

RT: 10.61 min Scan# 2434

Delta R.T. 0.01 min

Lab File: VL038221.D

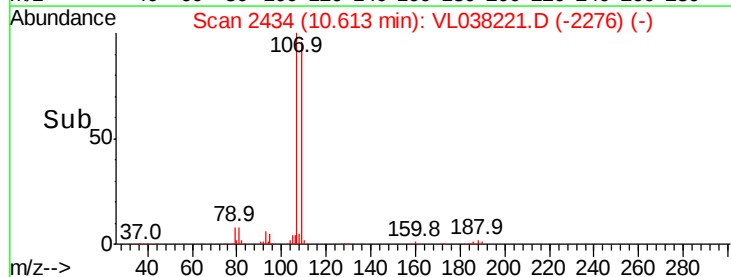
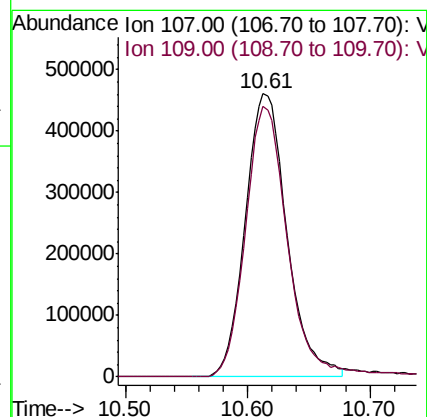
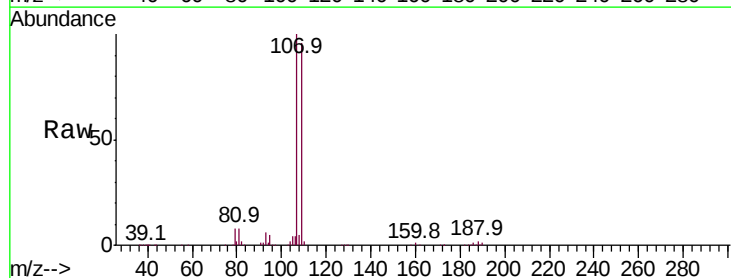
Acq: 21 Dec 2021 19:39

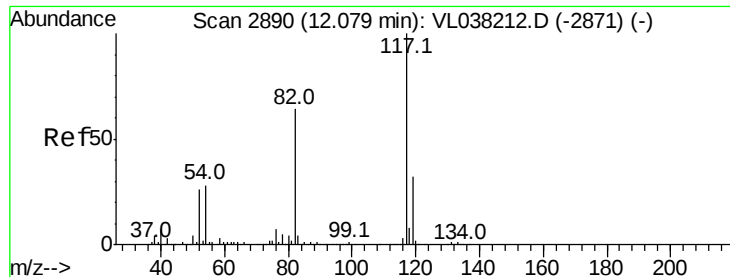
Tgt Ion: 107 Resp: 1084765

Ion Ratio Lower Upper

107 100

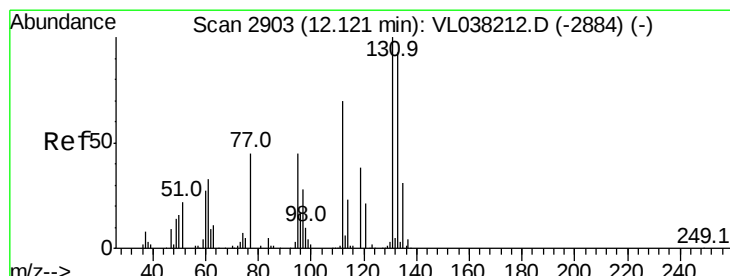
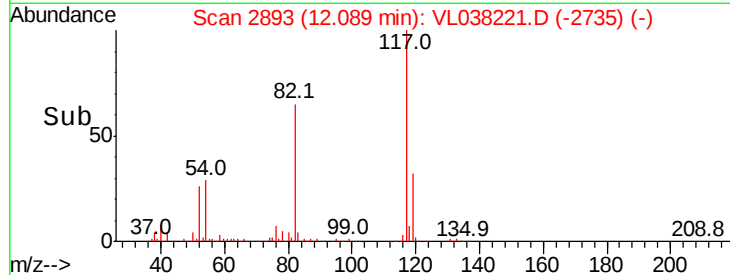
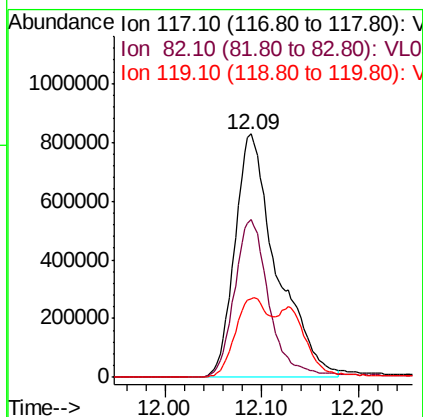
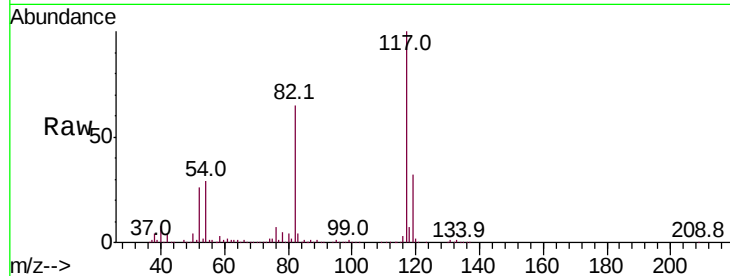
109 95.5 73.3 109.9





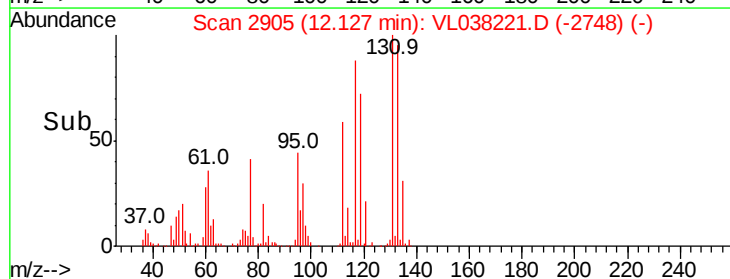
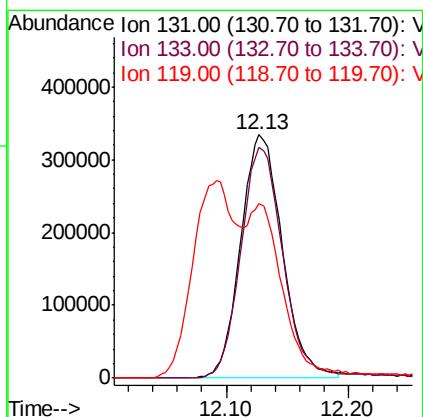
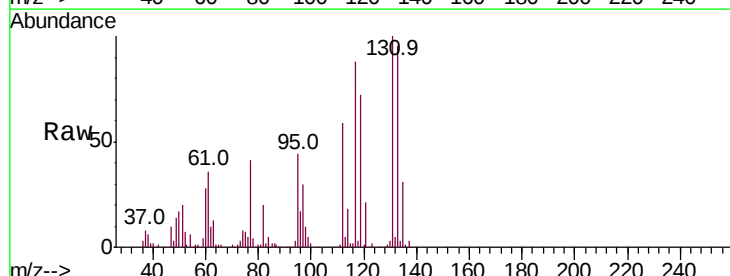
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 21 Dec 2021 19:39

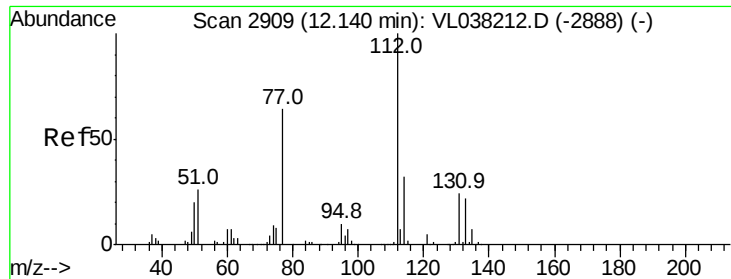
Tot Ion:117 Resp: 2493357
 Ion Ratio Lower Upper
 117 100
 82 56.1 53.3 79.9
 119 26.1 25.5 38.3



#56
 1,1,1,2-Tetrachloroethane
 Concen: 7.617 ppbv
 RT: 12.13 min Scan# 2905
 Delta R.T. 0.01 min
 Lab File: VL038221.D
 Acq: 21 Dec 2021 19:39

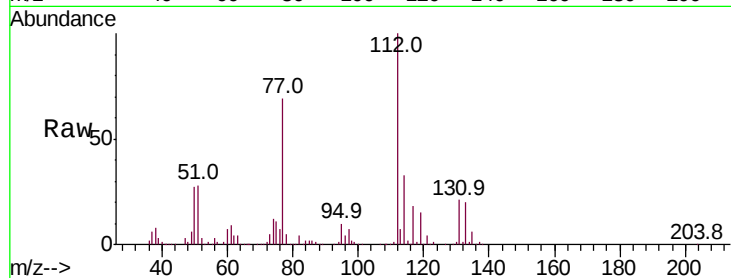
Tgt Ion:131 Resp: 789931
 Ion Ratio Lower Upper
 131 100
 133 98.2 77.6 116.4
 119 67.5 124.8 187.2#



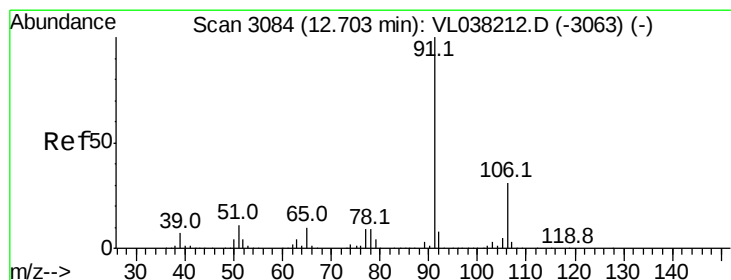
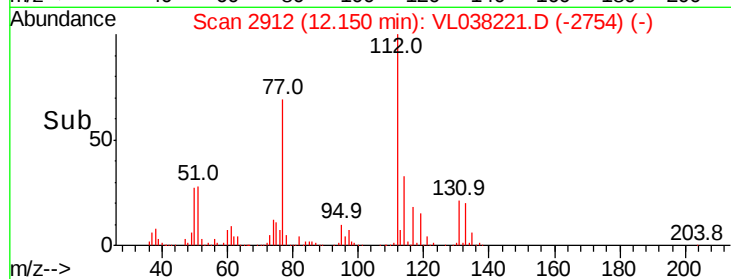
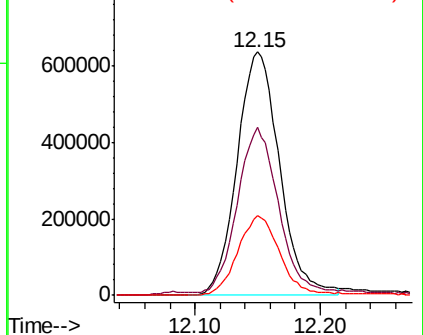


#57
Chlorobenzene
Concen: 6.926 ppbv
RT: 12.15 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 21 Dec 2021 19:39

Tot Ion: 112 Resp: 1497705
Ion Ratio Lower Upper
112 100
77 67.6 50.9 76.3
114 32.6 28.4 34.7

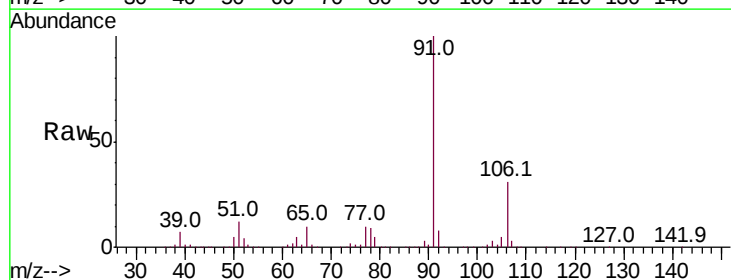


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

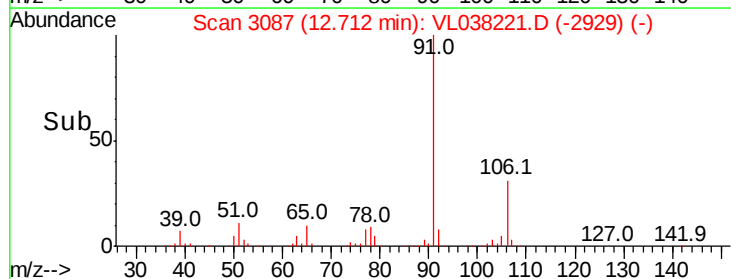
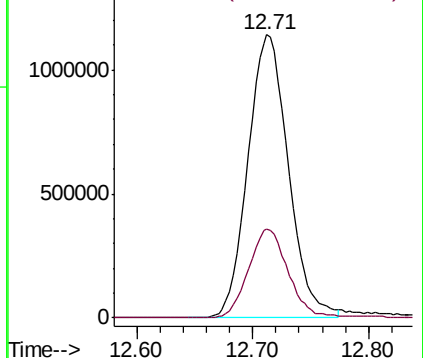


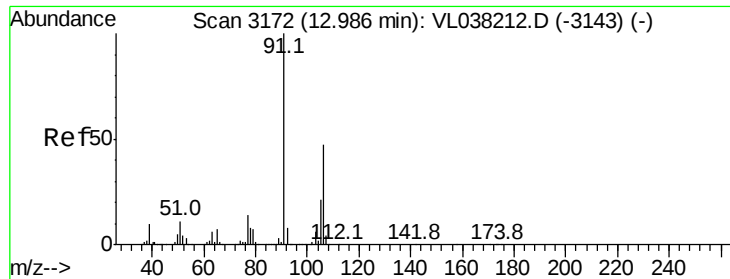
#58
Ethyl Benzene
Concen: 7.157 ppbv
RT: 12.71 min Scan# 3087
Delta R.T. 0.01 min
Lab File: VL038221.D
Acq: 21 Dec 2021 19:39

Tgt Ion: 91 Resp: 2769016
Ion Ratio Lower Upper
91 100
106 31.4 25.0 37.4



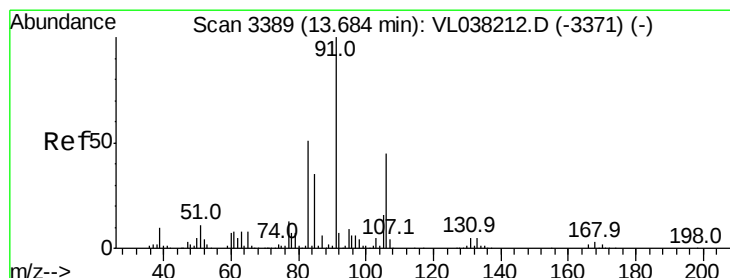
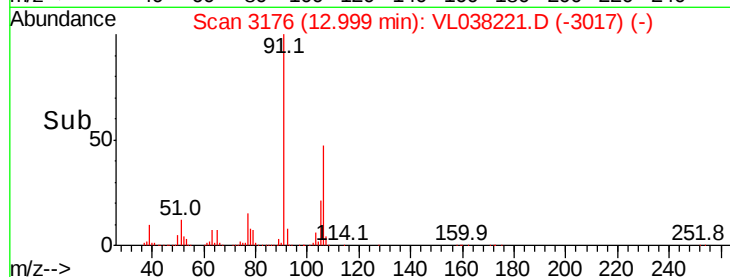
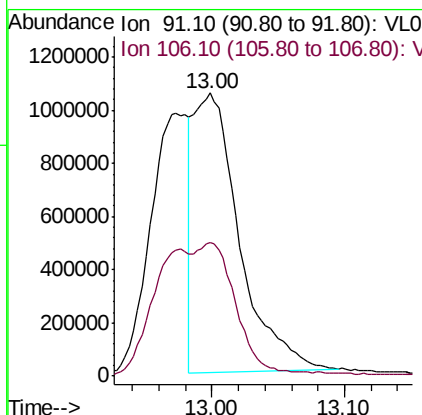
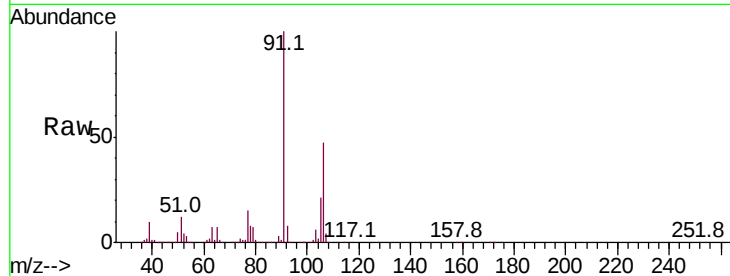
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





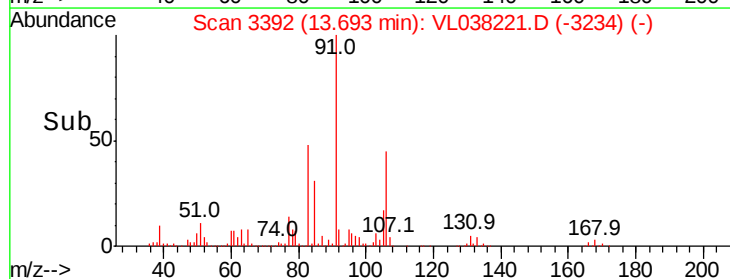
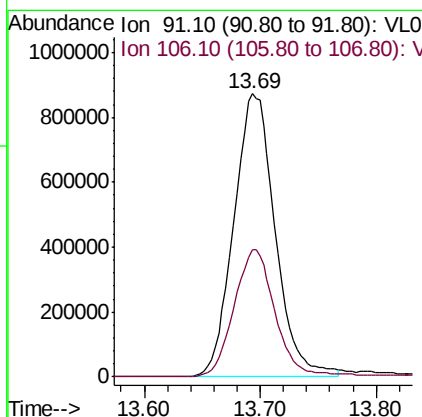
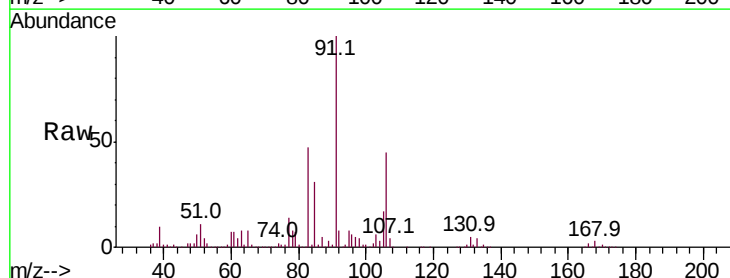
#59
m/p-Xylene
Concen: 7.549 ppbv
RT: 13.00 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 21 Dec 2021 19:39

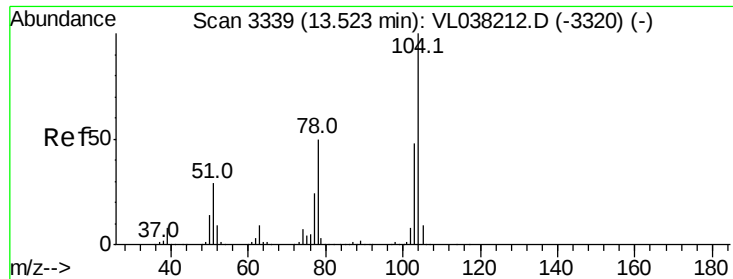
Tot Ion: 91 Resp: 2496900
Ion Ratio Lower Upper
91 100
106 83.7 36.9 55.3#



#60
o-Xylene
Concen: 7.035 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. 0.01 min
Lab File: VL038221.D
Acq: 21 Dec 2021 19:39

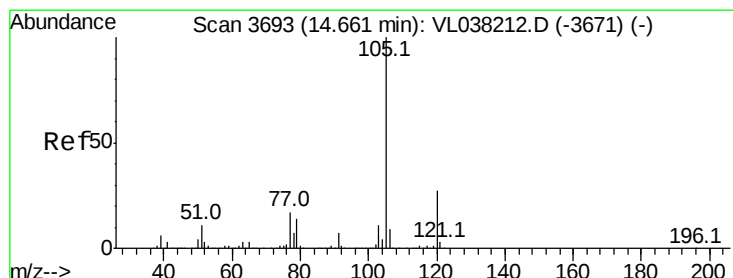
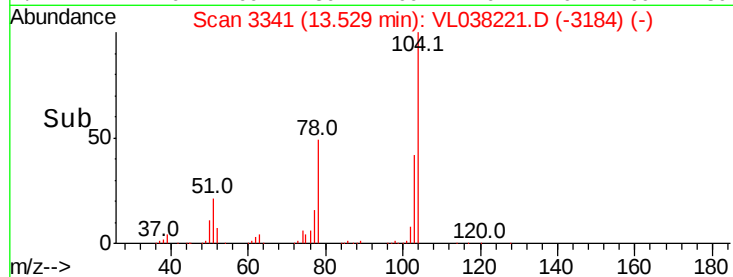
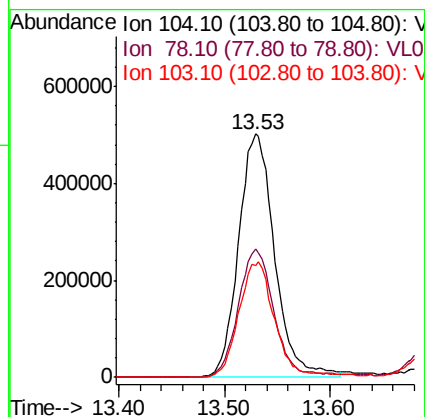
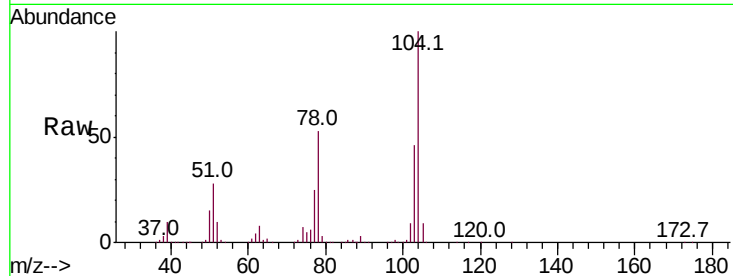
Tgt Ion: 91 Resp: 2157490
Ion Ratio Lower Upper
91 100
106 45.9 23.5 70.5





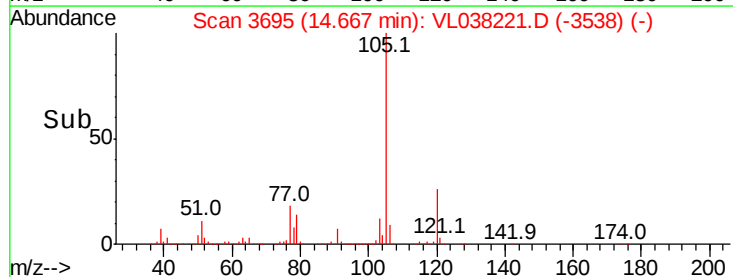
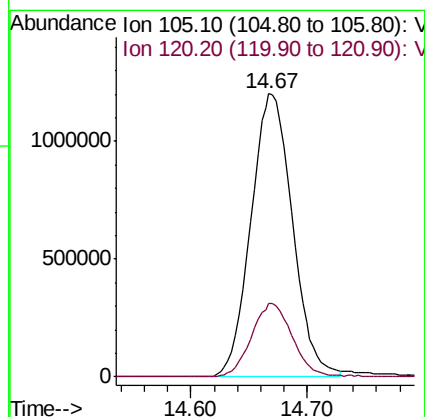
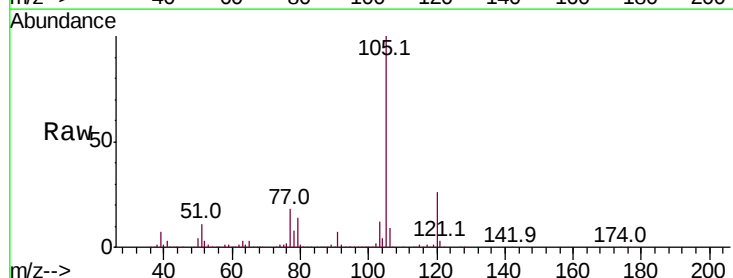
#61
Stvrene
Concen: 7.702 ppbv
RT: 13.53
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 21 Dec 2021 19:39

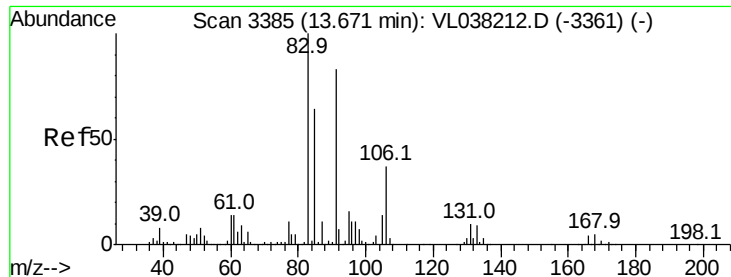
Tot Ion:104 Resp: 1196486
Ion Ratio Lower Upper
104 100
78 53.2 41.0 61.6
103 47.4 38.0 57.0



#62
Isopropylbenzene
Concen: 6.956 ppbv
RT: 14.67 min Scan# 3695
Delta R.T. 0.01 min
Lab File: VL038221.D
Acq: 21 Dec 2021 19:39

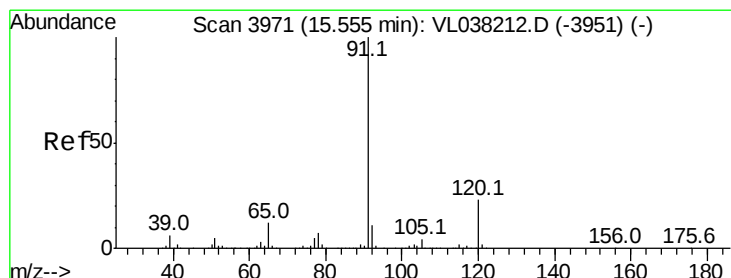
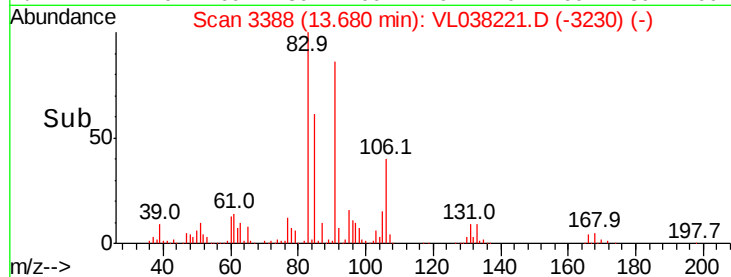
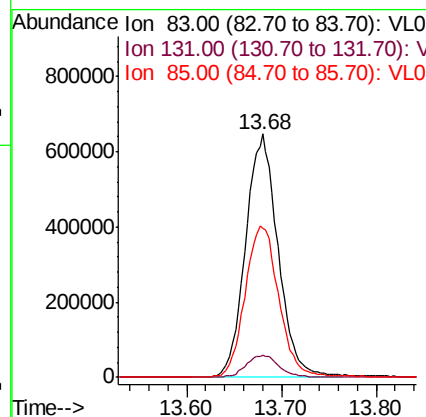
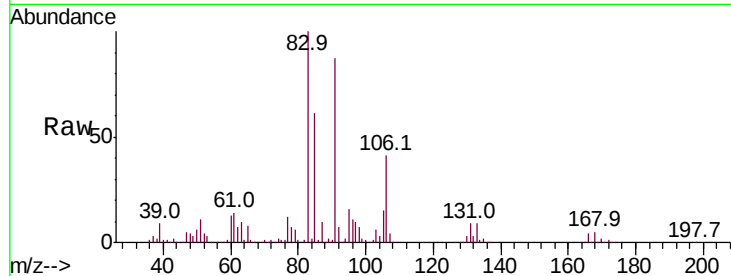
Tgt Ion:105 Resp: 2994851
Ion Ratio Lower Upper
105 100
120 26.0 21.0 31.6





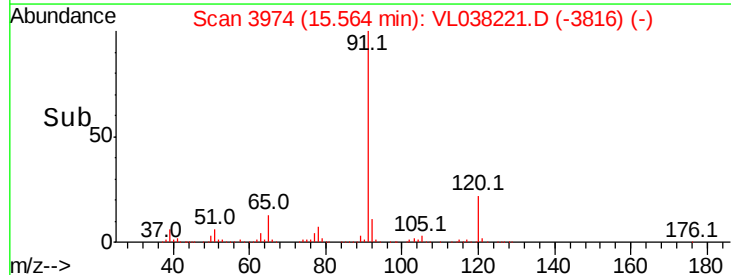
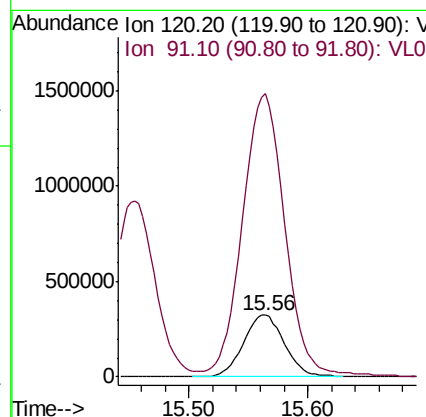
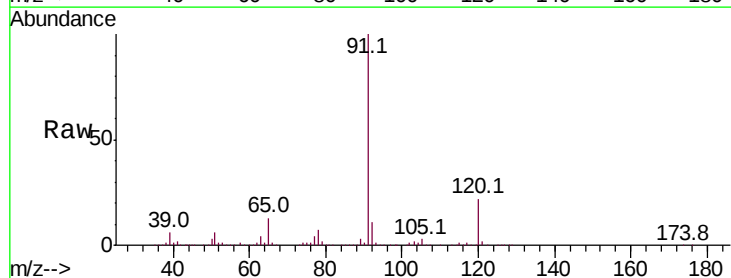
#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.542 ppbv
 RT: 13.68 min
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 Acq: 21 Dec 2021 19:39

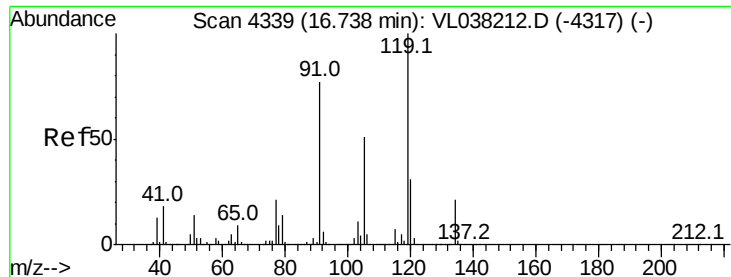
Tot Ion: 83 Resp: 1542899
 Ion Ratio Lower Upper
 83 100
 131 9.4 4.7 14.1
 85 65.7 32.9 98.6



#64
 n-propylbenzene
 Concen: 7.251 ppbv
 RT: 15.56 min Scan# 3974
 Delta R.T. 0.01 min
 Lab File: VL038221.D
 Acq: 21 Dec 2021 19:39

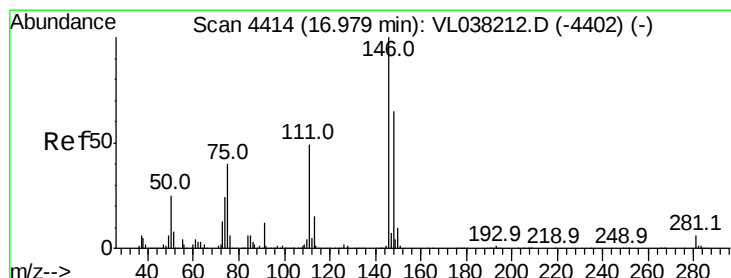
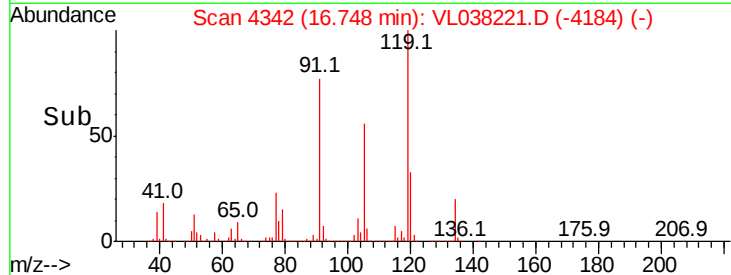
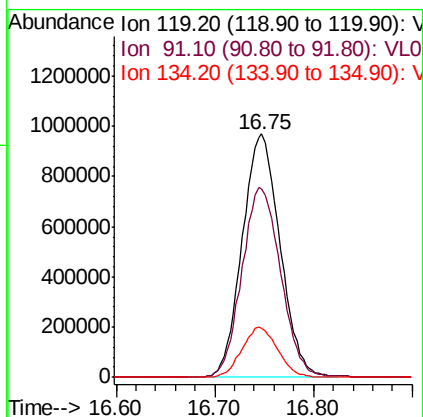
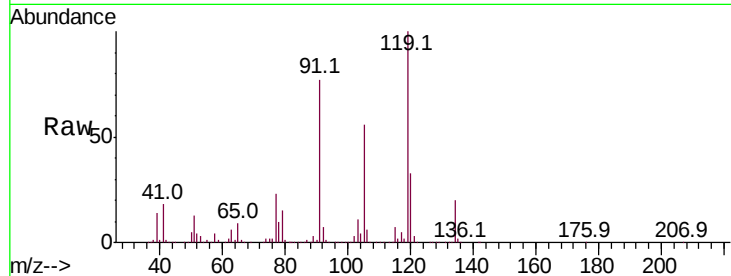
Tgt Ion: 120 Resp: 776171
 Ion Ratio Lower Upper
 120 100
 91 474.2 381.5 572.3





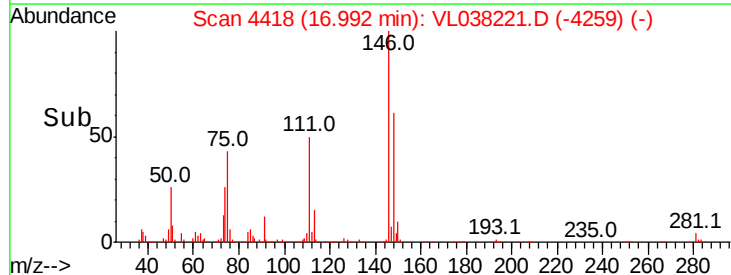
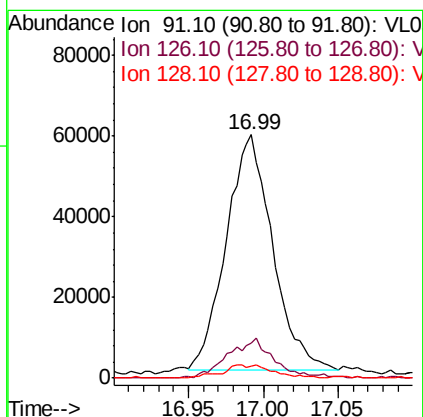
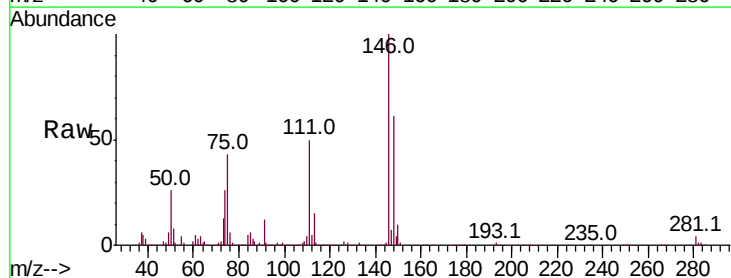
#65
 tert-Butylbenzene
 Concen: 6.776 ppbv
 RT: 16.75
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 21 Dec 2021 19:39

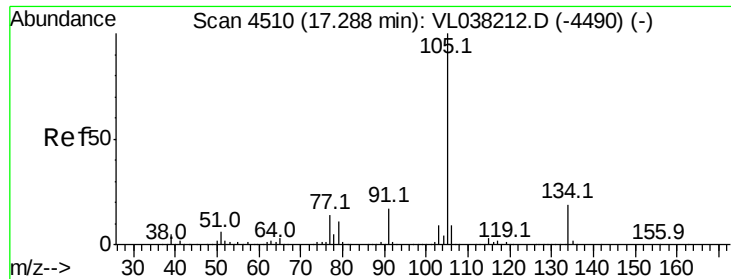
Tot Ion: 119 Resp: 2568137
 Ion Ratio Lower Upper
 119 100
 91 80.5 63.0 94.4
 134 19.6 15.8 23.6



#66
 Benzyl Chloride
 Concen: 8.897 ppbv
 RT: 16.99 min Scan# 4418
 Delta R.T. 0.01 min
 Lab File: VL038221.D
 Acq: 21 Dec 2021 19:39

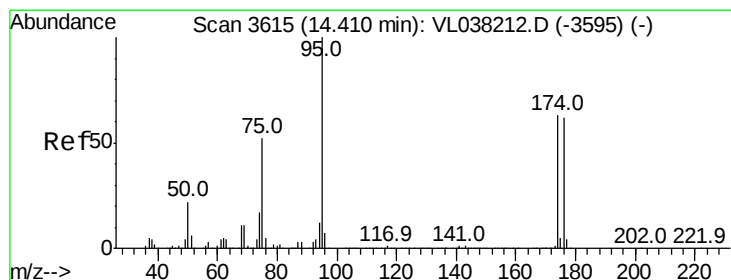
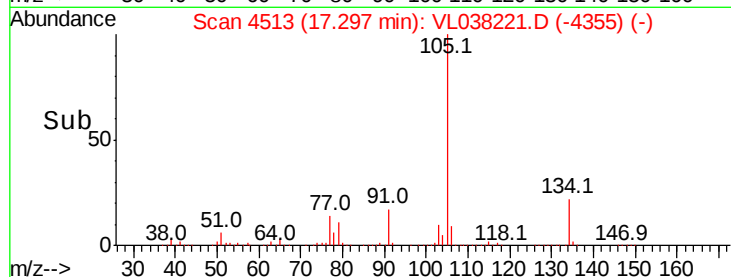
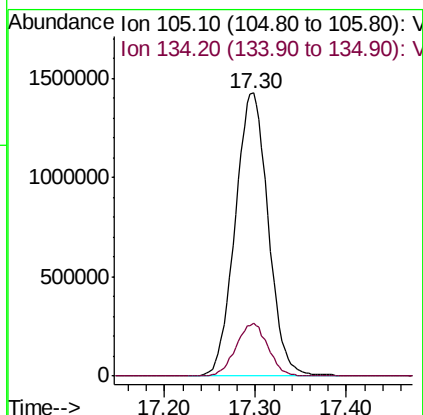
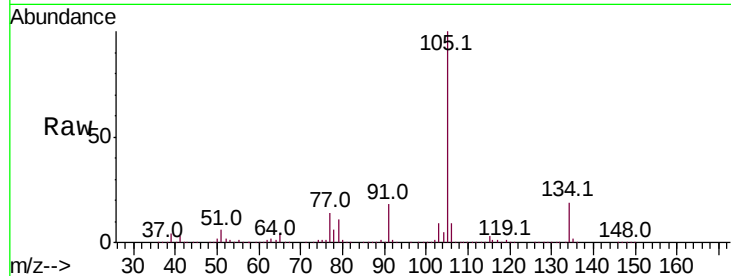
Tgt Ion: 91 Resp: 125679
 Ion Ratio Lower Upper
 91 100
 126 17.1 16.0 24.0
 128 6.3 5.0 7.6





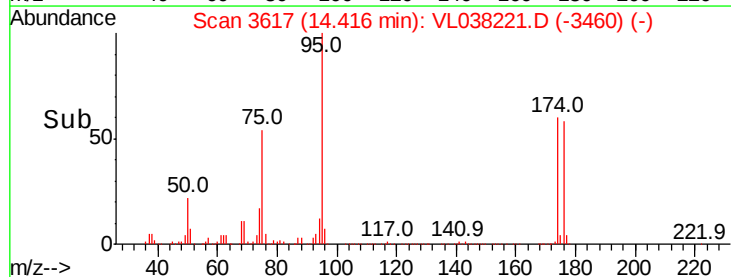
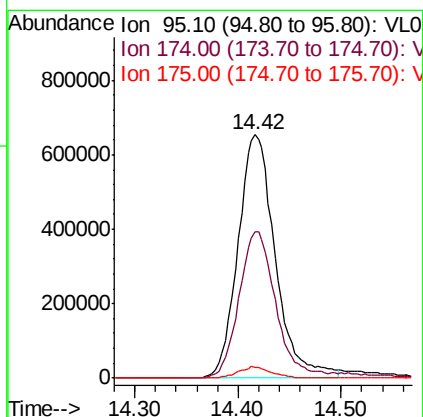
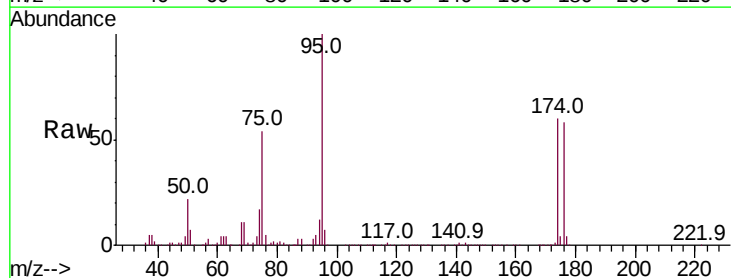
#67
 sec-Butylbenzene
 Concen: 6.900 ppbv
 RT: 17.30 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 21 Dec 2021 19:39

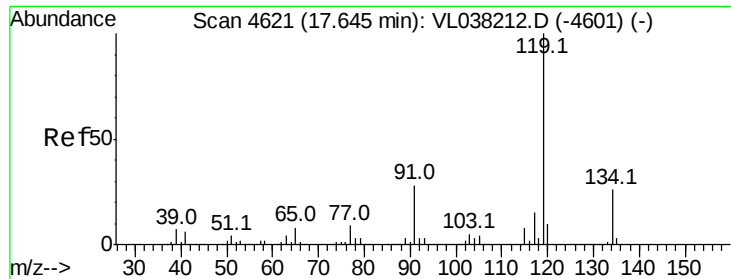
Tot Ion: 105 Resp: 3593357
 Ion Ratio Lower Upper
 105 100
 134 18.3 14.6 22.0



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.562 ppbv
 RT: 14.42 min Scan# 3617
 Delta R.T. 0.01 min
 Lab File: VL038221.D
 Acq: 21 Dec 2021 19:39

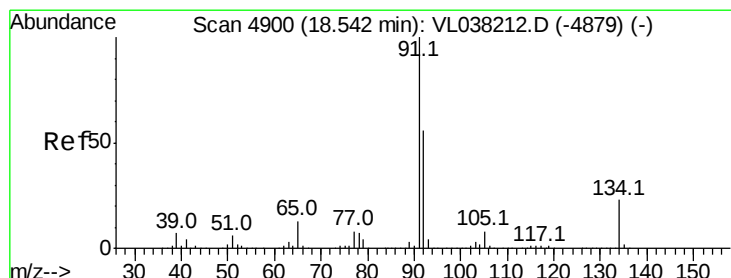
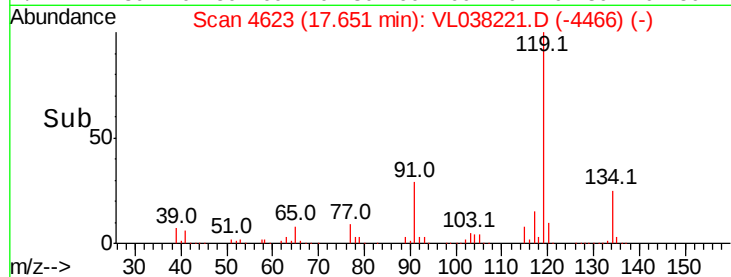
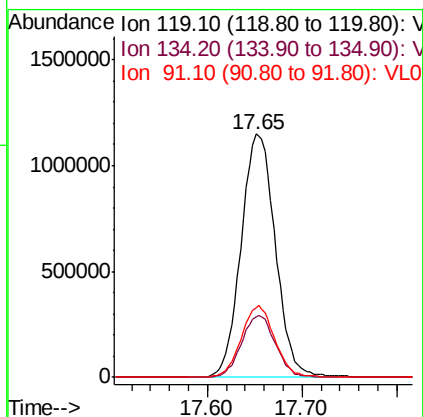
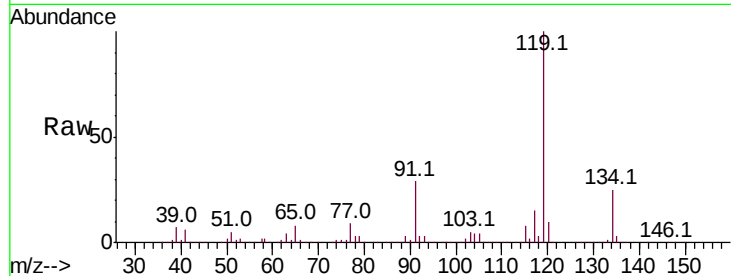
Tgt Ion: 95 Resp: 1645031
 Ion Ratio Lower Upper
 95 100
 174 62.3 54.6 81.8
 175 4.5 4.1 6.1





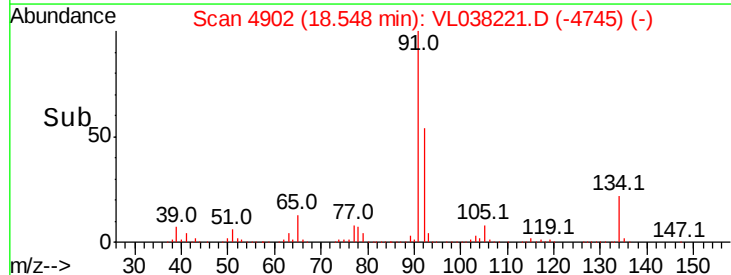
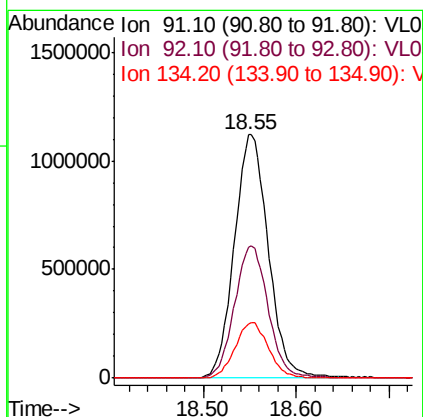
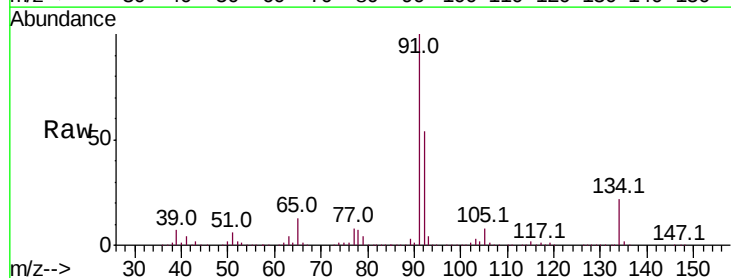
#69
 p-Isopropyltoluene
 Concen: 6.901 ppbv
 RT: 17.65 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 21 Dec 2021 19:39

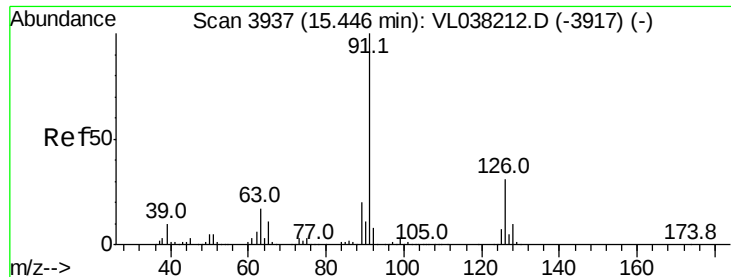
Tot Ion:	119	Resp:	2890269
Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.4	30.6
91	28.6	22.4	33.6



#70
 n-Butylbenzene
 Concen: 7.133 ppbv
 RT: 18.55 min Scan# 4902
 Delta R.T.: 0.01 min
 Lab File: VL038221.D
 Acq: 21 Dec 2021 19:39

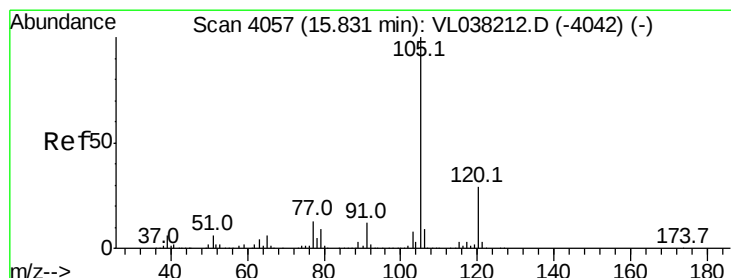
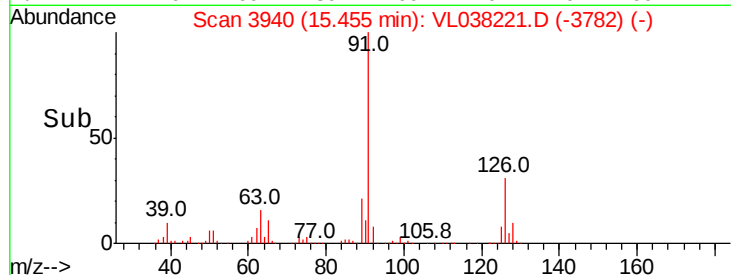
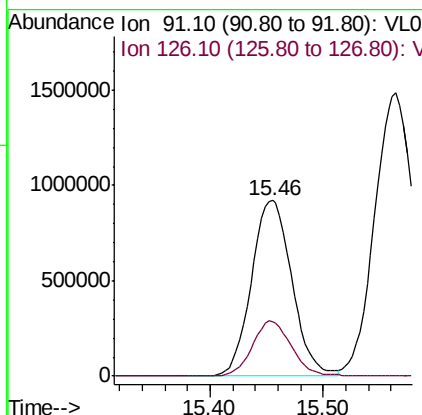
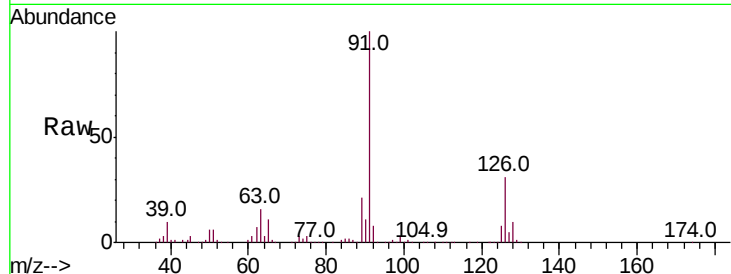
Tgt Ion:	91	Resp:	2840628
Ion	Ratio	Lower	Upper
91	100		
92	54.2	44.0	66.0
134	22.7	18.5	27.7





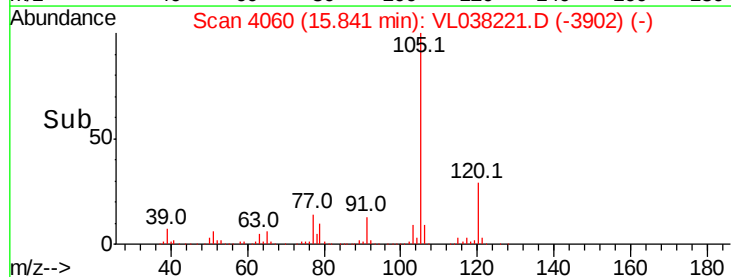
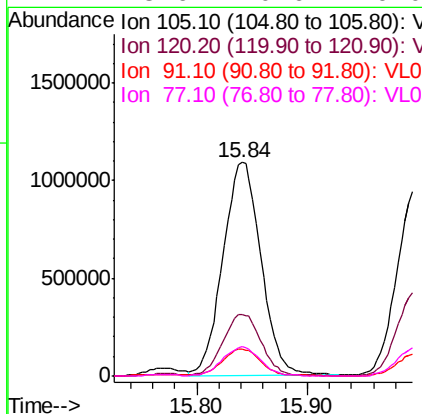
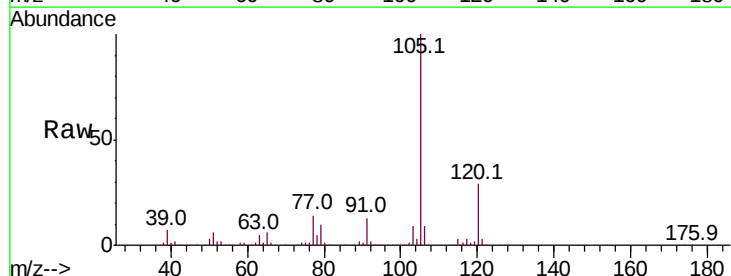
#71
 2-Chlorotoluene
 Concen: 7.135 ppbv
 RT: 15.46
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 21 Dec 2021 19:39

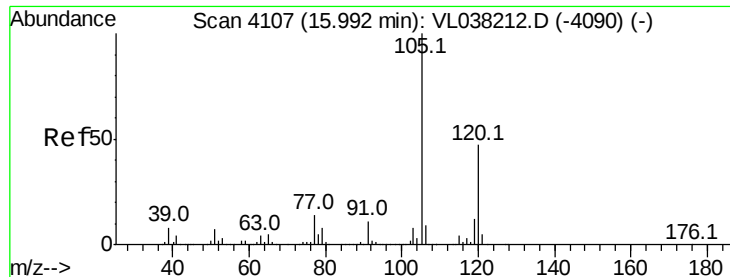
Tot Ion: 91 Resp: 2286727
 Ion Ratio Lower Upper
 91 100
 126 30.8 12.8 51.0



#72
 4-Ethyltoluene
 Concen: 7.386 ppbv
 RT: 15.84 min Scan# 4060
 Delta R.T. 0.01 min
 Lab File: VL038221.D
 Acq: 21 Dec 2021 19:39

Tgt Ion: 105 Resp: 2608455
 Ion Ratio Lower Upper
 105 100
 120 29.6 24.3 36.5
 91 12.7 9.8 14.6
 77 13.6 10.6 16.0





#73

1,3,5-Trimethylbenzene

Concen: 7.230 ppbv

RT: 16.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

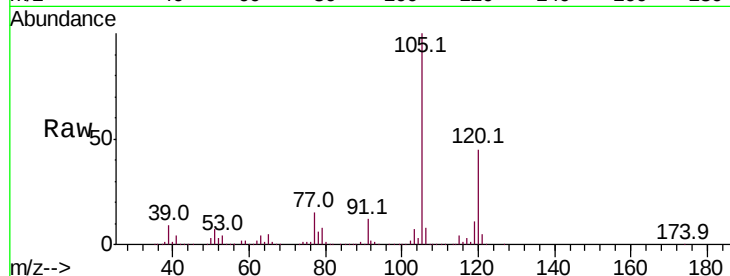
Acq: 21 Dec 2021 19:39

Tot Ion:105 Resp: 2285199

Ion Ratio Lower Upper

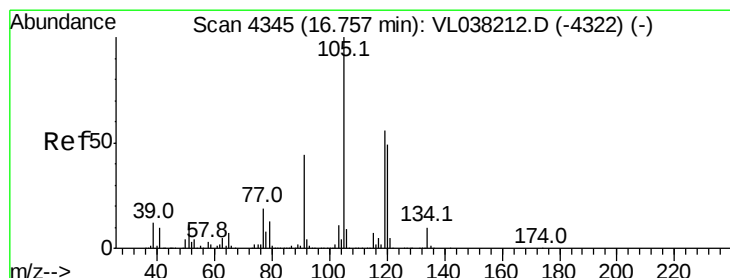
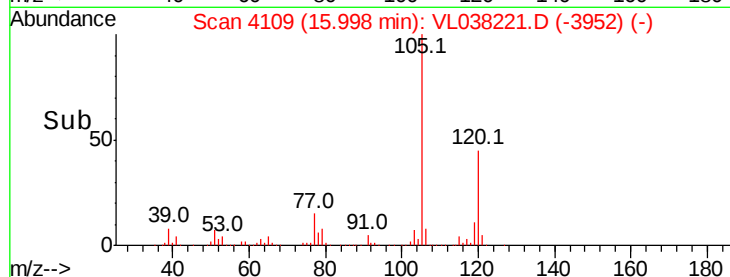
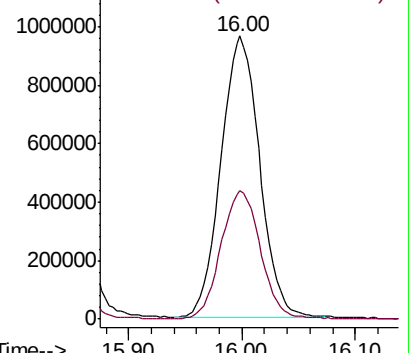
105 100

120 45.4 37.3 55.9



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.033 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. 0.01 min

Lab File: VL038221.D

Acq: 21 Dec 2021 19:39

Tgt Ion:105 Resp: 2334802

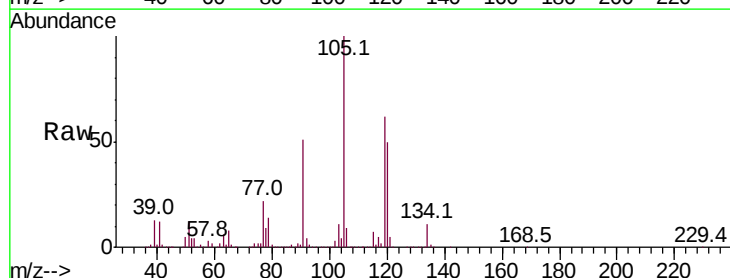
Ion Ratio Lower Upper

105 100

120 49.7 39.4 59.2

91 50.9 35.0 52.4

77 22.1 15.6 23.4

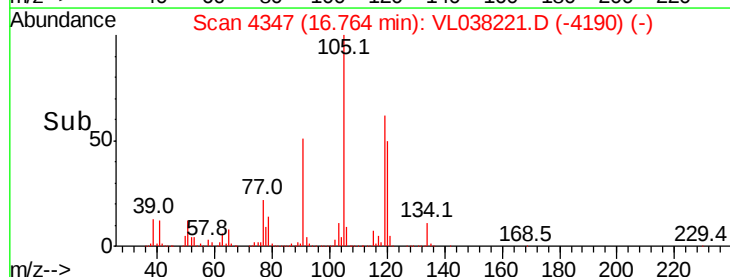
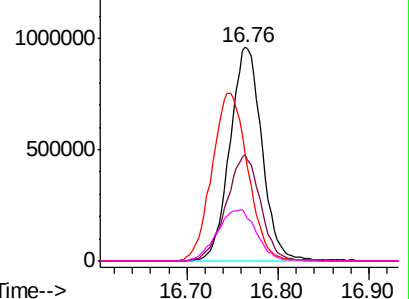


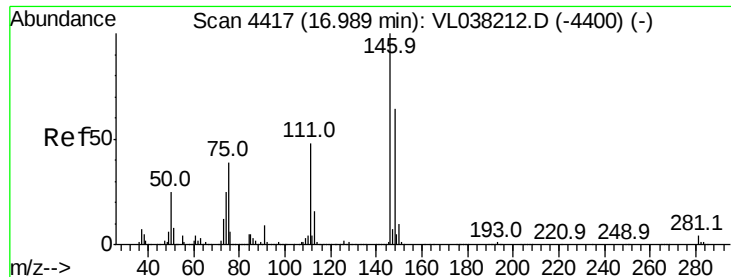
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 7.315 ppbv

RT: 17.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 21 Dec 2021 19:39

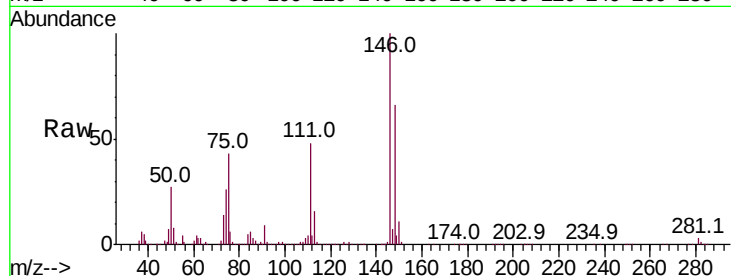
Tot Ion:146 Resp: 1311682

Ion Ratio Lower Upper

146 100

111 48.5 23.8 71.4

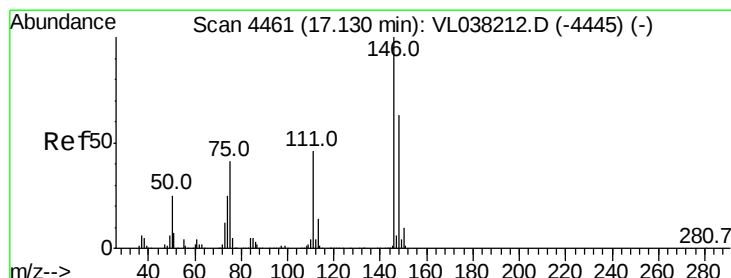
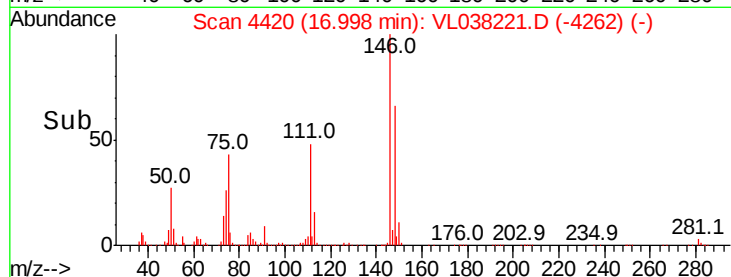
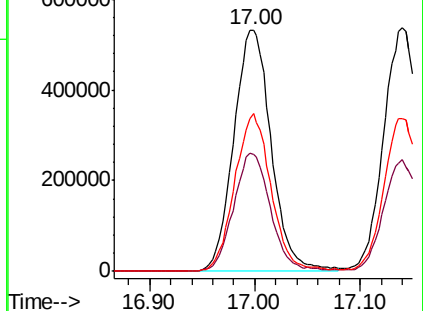
148 63.8 32.3 96.8



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: 7.147 ppbv

RT: 17.14 min Scan# 4464

Delta R.T. 0.01 min

Lab File: VL038221.D

Acq: 21 Dec 2021 19:39

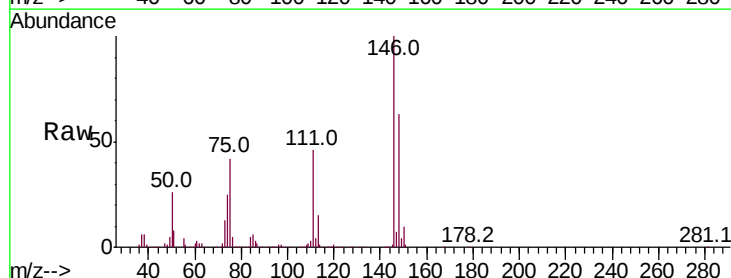
Tgt Ion:146 Resp: 1271572

Ion Ratio Lower Upper

146 100

111 47.6 23.6 71.0

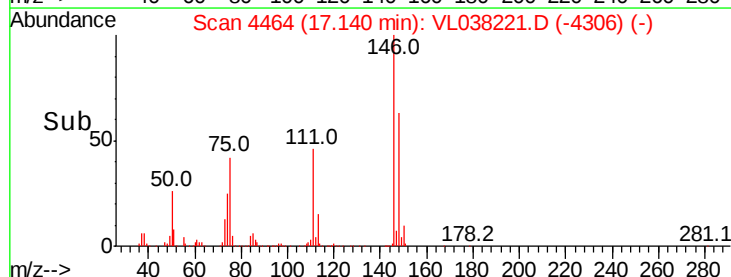
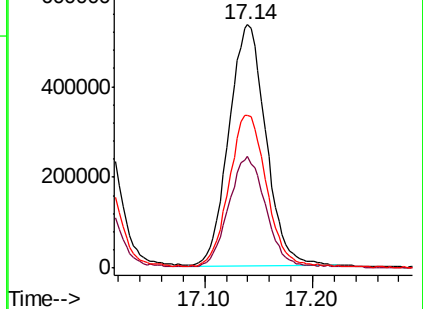
148 66.3 33.1 99.5

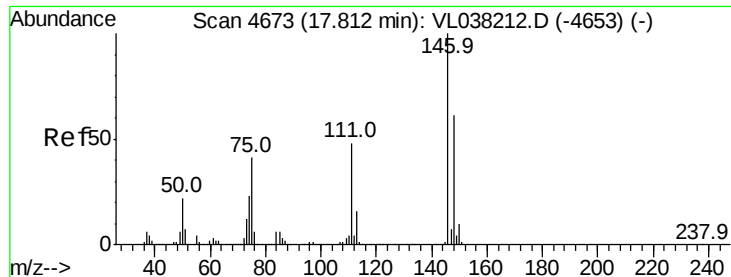


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.062 ppbv

RT: 17.82

Delta R.T. MSVOA_L

Lab File:

Acq: 21 Dec 2021 19:39

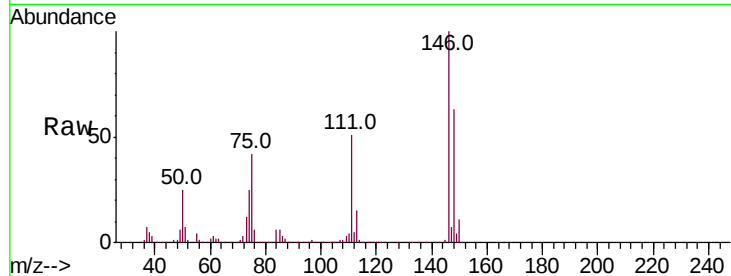
Tot Ion:146 Resp: 1212342

Ion Ratio Lower Upper

146 100

111 50.0 24.9 74.7

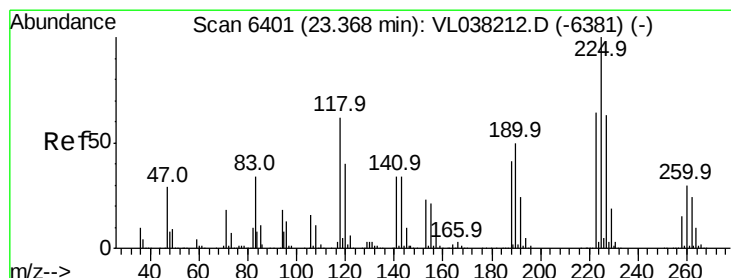
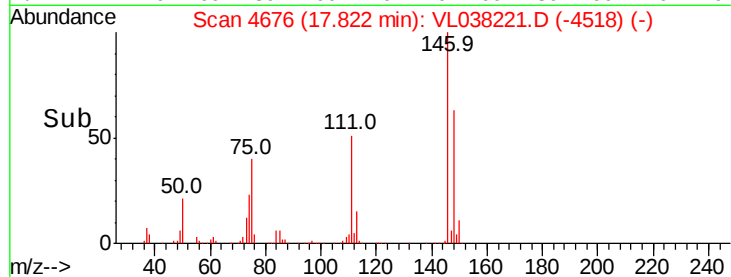
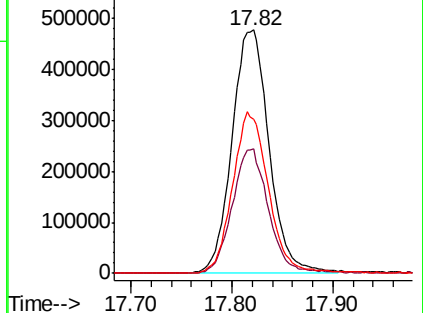
148 64.6 32.1 96.3



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



#78

Hexachloro-1,3-Butadiene

Concen: 6.359 ppbv

RT: 23.37 min Scan# 6403

Delta R.T. 0.01 min

Lab File: VL038221.D

Acq: 21 Dec 2021 19:39

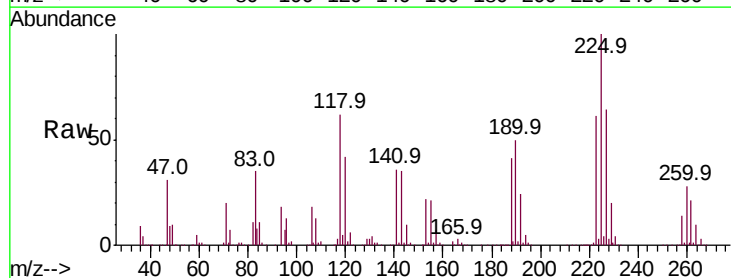
Tgt Ion:225 Resp: 673672

Ion Ratio Lower Upper

225 100

223 64.4 51.5 77.3

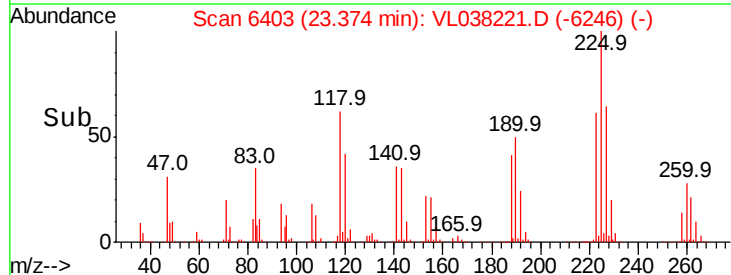
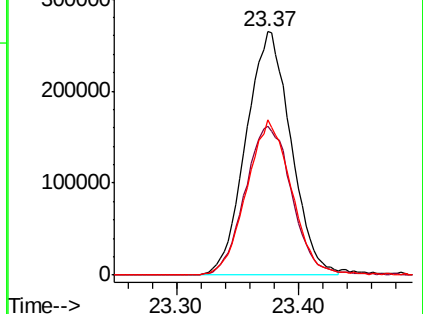
227 64.2 51.9 77.9

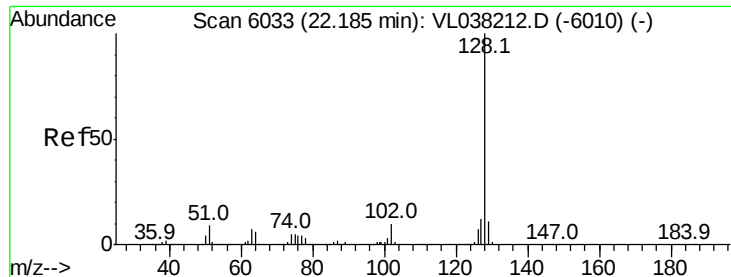


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 7.769 ppbv

RT: 22.19 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 21 Dec 2021 19:39

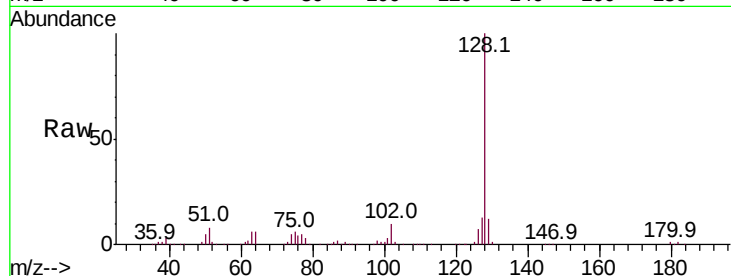
Tot Ion:128 Resp: 1332189

Ion Ratio Lower Upper

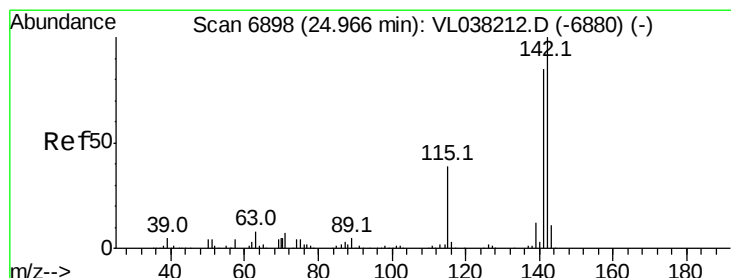
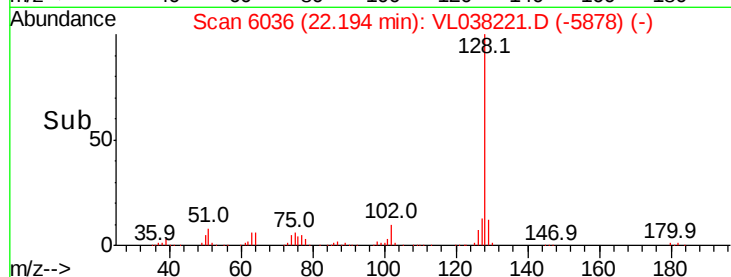
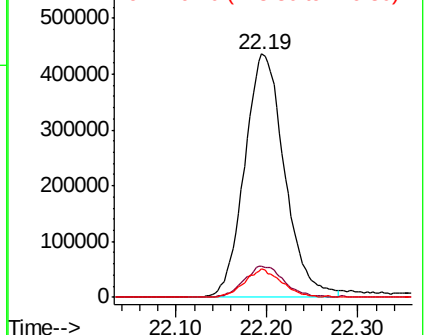
128 100

127 12.8 9.6 14.4

129 12.0 9.2 13.8



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: 8.209 ppbv

RT: 24.97 min Scan# 6900

Delta R.T. 0.01 min

Lab File: VL038221.D

Acq: 21 Dec 2021 19:39

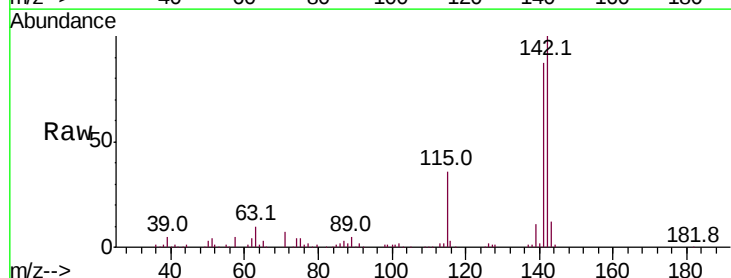
Tgt Ion:142 Resp: 279288

Ion Ratio Lower Upper

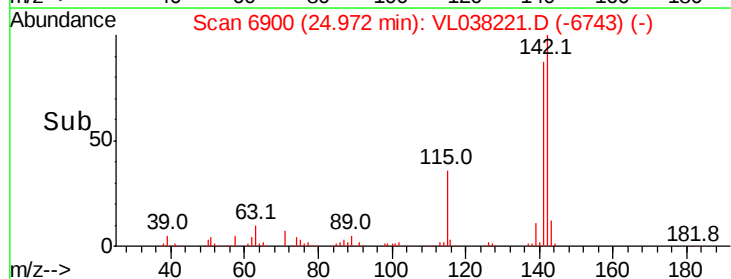
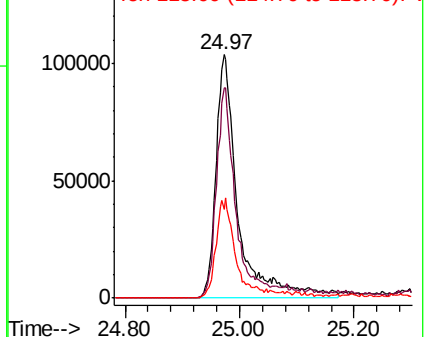
142 100

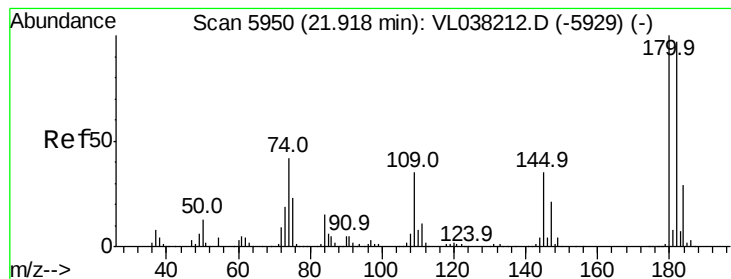
141 79.4 66.7 100.1

115 37.9 29.4 44.0



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: 7.010 ppbv
 RT: 21.93
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 21 Dec 2021 19:39

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.0	78.2	117.2
184	31.8	25.7	38.5

