

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121421\
 Data File : VL038182.D
 Acq On : 15 Dec 2021 10:16
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 15 13:29:50 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	5.63	49	961294	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.13	114	2604977	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.04	117	2985033	10.00	ppbv	-0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.37	95	1898319	8.82	ppbv	-0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	88.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	1216606	7.662	ppbv	99
3) Chlorodifluoromethane	2.97	51	1856658	9.197	ppbv	98
4) Chloromethane	3.12	50	637206	9.272	ppbv	99
5) Vinyl Chloride	3.24	62	645248	9.571	ppbv	99
6) Bromomethane	3.45	94	361476	10.009	ppbv	99
7) Chloroethane	3.53	64	224139	9.368	ppbv	93
8) Dichlorotetrafluoroethane	3.17	85	1507867	9.546	ppbv	94
9) Propene	2.99	41	626294	8.424	ppbv	98
10) Heptane	8.08	43	1589897	8.652	ppbv	98
11) Trichlorofluoromethane	3.92	101	1589091	10.523	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1153944	10.802	ppbv	96
13) Ethanol	3.58	45	28613	3.982	ppbv #	24
14) Bromoethene	3.72	108	480265	10.040	ppbv	97
15) Acetone	3.83	43	793647	9.522	ppbv	98
16) 1,3-Butadiene	3.30	39	617142	9.491	ppbv	97
17) tert-Butyl alcohol	4.26	59	919574	9.096	ppbv	99
18) 1,1-Dichloroethene	4.26	96	502147	10.247	ppbv	98
19) Isopropyl Alcohol	3.94	45	519726	8.630	ppbv #	97
20) Methylene Chloride	4.32	84	436334	9.347	ppbv	96
21) Allyl Chloride	4.38	41	745494	9.663	ppbv	97
22) trans-1,2-Dichloroethene	4.85	96	540127	10.882	ppbv	98
23) Vinyl Acetate	5.04	43	1158222	9.600	ppbv	98
24) 1,1-Dichloroethane	4.98	63	1060830	10.559	ppbv	97
25) Ethyl Acetate	5.65	43	2414663	8.717	ppbv	99
26) Hexane	5.65	57	1105707	8.282	ppbv	98
27) Carbon Disulfide	4.52	76	1303242	10.897	ppbv	100
28) Methyl tert-Butyl Ether	5.00	73	1123491	9.906	ppbv	98
29) Chloroform	5.72	83	1789477	9.094	ppbv	98
30) Cyclohexane	7.09	84	970070	8.003	ppbv	94
31) cis-1,2-Dichloroethene	5.51	61	1069888	8.424	ppbv	95
32) 1,1,1-Trichloroethane	6.47	97	1755416	8.790	ppbv	97
34) 2-Butanone	5.21	43	846769	8.061	ppbv	97
35) Carbon Tetrachloride	6.98	117	1841458	10.061	ppbv	96
36) Benzene	6.85	78	2384802	9.177	ppbv	98
37) 1,2-Dichloroethane	6.27	62	1388300	11.062	ppbv	96
38) Trichloroethene	7.79	130	854246	8.715	ppbv	95
39) 1,2-Dichloropropane	7.57	63	941945	9.450	ppbv	93
40) 1,4-Dioxane	7.79	88	229833	8.850	ppbv #	1
41) Tetrahydrofuran	6.01	42	601497	9.225	ppbv	96
42) Bromodichloromethane	7.75	83	2022148	10.599	ppbv	99
43) Methyl Methacrylate	7.97	69	894725	10.064	ppbv	94

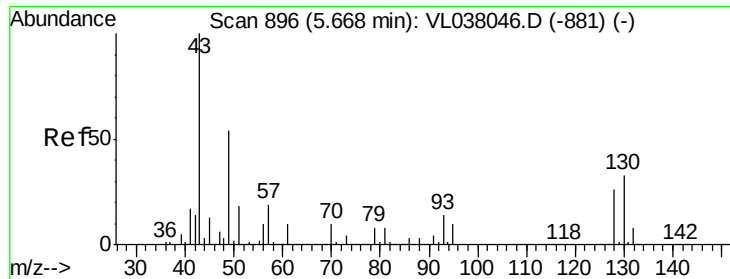
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121421\
 Data File : VL038182.D
 Acq On : 15 Dec 2021 10:16
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
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Quant Time: Dec 15 13:29:50 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

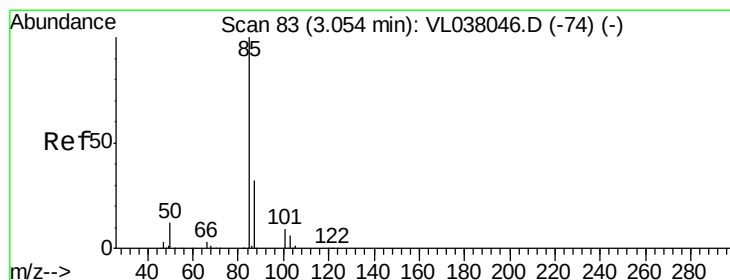
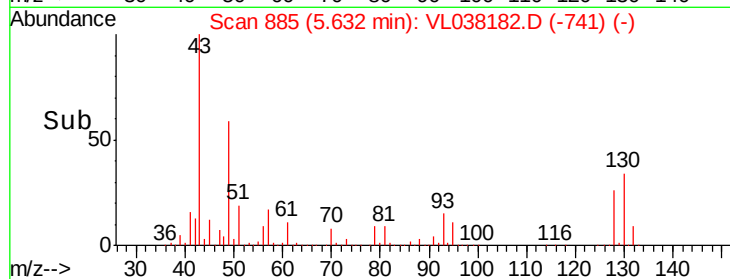
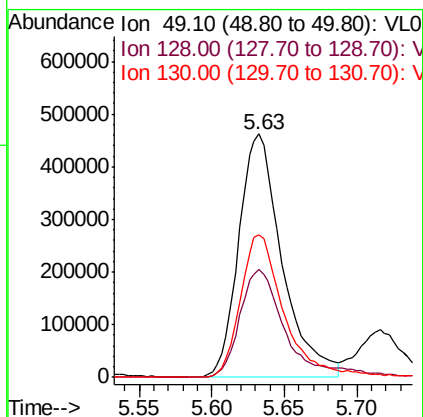
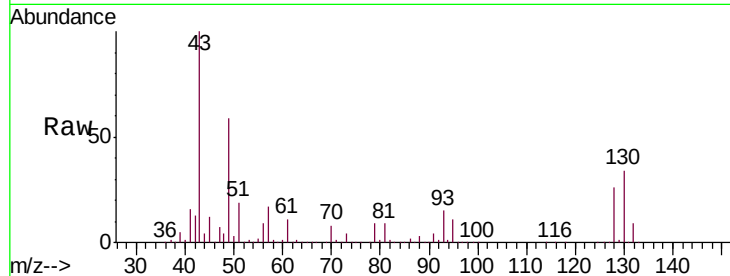
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.83	57	3975739	9.145	ppbv	98
45) t-1,3-Dichloropropene	9.23	75	875787	12.282	ppbv	99
46) cis-1,3-Dichloropropene	8.66	75	1114188	11.552	ppbv	95
47) 1,1,2-Trichloroethane	9.43	97	949725	9.097	ppbv	93
48) Dibromochloromethane	10.26	129	1639692	10.314	ppbv	99
49) Bromoform	12.99	173	1263041	11.105	ppbv	98
50) 4-Methyl-2-Pentanone	8.70	43	1650482	10.347	ppbv	98
51) 2-Hexanone	10.09	43	783955	10.446	ppbv #	94
52) Tetrachloroethene	11.18	164	784761	8.162	ppbv	97
53) Toluene	9.76	91	2707854	9.057	ppbv	97
54) 1,2-Dibromoethane	10.56	107	1431971	9.711	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.08	131	1043520	7.701	ppbv	98
57) Chlorobenzene	12.10	112	1915540	7.160	ppbv	93
58) Ethyl Benzene	12.66	91	3569074	7.234	ppbv	95
59) m/p-Xylene	12.94	91	3247178	7.819	ppbv #	49
60) o-Xylene	13.64	91	2852175	7.403	ppbv	95
61) Styrene	13.48	104	1528056	7.398	ppbv	95
62) Isopropylbenzene	14.62	105	3841204	7.024	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.63	83	2118967	7.404	ppbv	99
64) n-propylbenzene	15.51	120	982567	7.053	ppbv	88
65) tert-Butylbenzene	16.69	119	3343243	6.939	ppbv	96
66) Benzyl Chloride	16.93	91	197632	8.093	ppbv #	91
67) sec-Butylbenzene	17.24	105	4735859	7.054	ppbv	100
69) p-Isopropyltoluene	17.60	119	3824067	7.282	ppbv	98
70) n-Butylbenzene	18.50	91	3928222	7.823	ppbv	99
71) 2-Chlorotoluene	15.40	91	2976137	7.443	ppbv	97
72) 4-Ethyltoluene	15.79	105	3268704	7.317	ppbv	97
73) 1,3,5-Trimethylbenzene	15.95	105	2928556	7.178	ppbv	99
74) 1,2,4-Trimethylbenzene	16.71	105	3103475	7.382	ppbv	97
75) 1,3-Dichlorobenzene	16.94	146	1768439	7.658	ppbv	99
76) 1,4-Dichlorobenzene	17.09	146	1689280	7.270	ppbv	99
77) 1,2-Dichlorobenzene	17.76	146	1672316	7.479	ppbv	99
78) Hexachloro-1,3-Butadiene	23.32	225	879579	6.300	ppbv	99
79) Naphthalene	22.13	128	1600992	7.231	ppbv	100
80) Naphthalene, 2-methyl-	24.93	142	344413	7.259	ppbv	96
81) 1,2,4-Trichlorobenzene	21.86	180	908092	7.138	ppbv	99

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



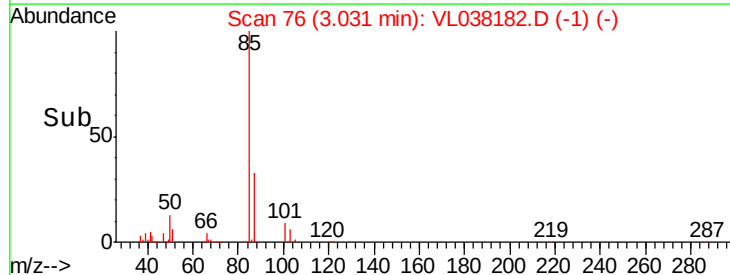
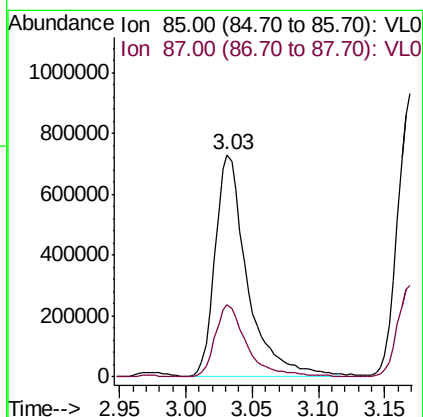
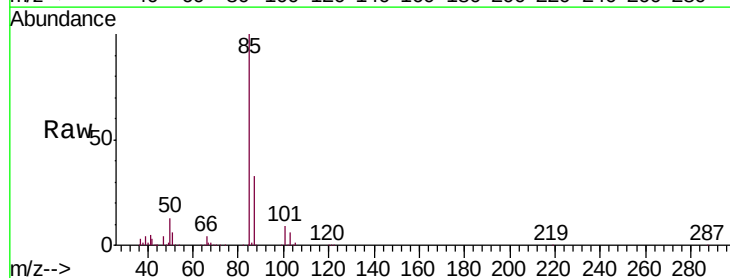
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.63
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 15 Dec 2021 10:10

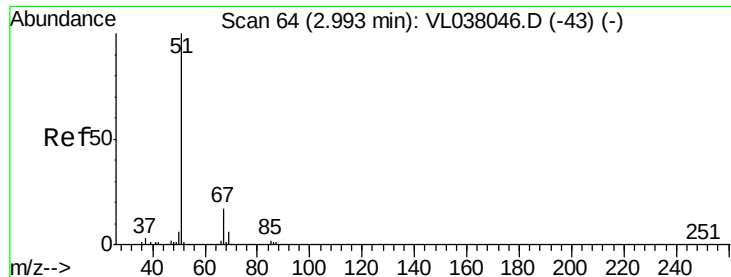
Tot Ion	49	Resp	961294
Ion Ratio	Lower	Upper	
49	100		
128	48.4	26.5	79.5
130	60.2	32.5	97.4



#2
 Dichlorodifluoromethane
 Concen: 7.662 ppbv
 RT: 3.03 min Scan# 76
 Delta R.T. -0.02 min
 Lab File: VL038182.D
 Acq: 15 Dec 2021 10:16

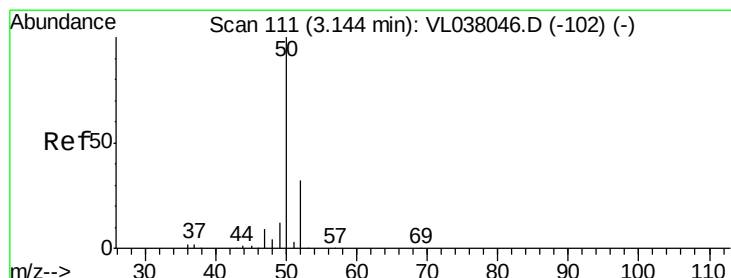
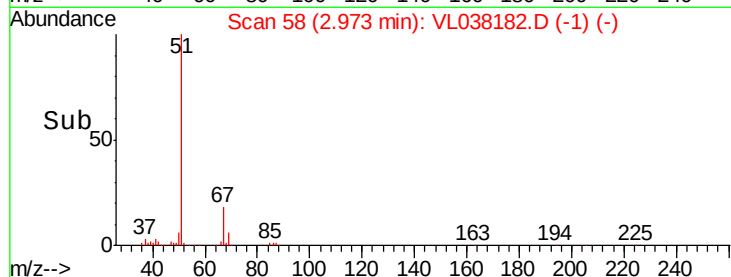
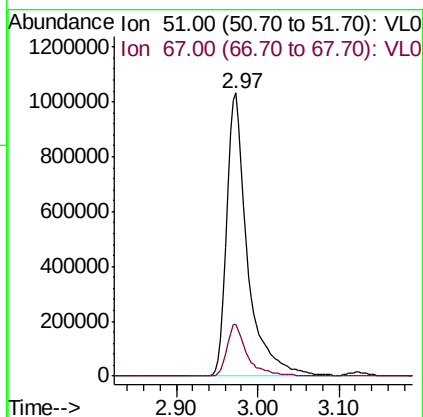
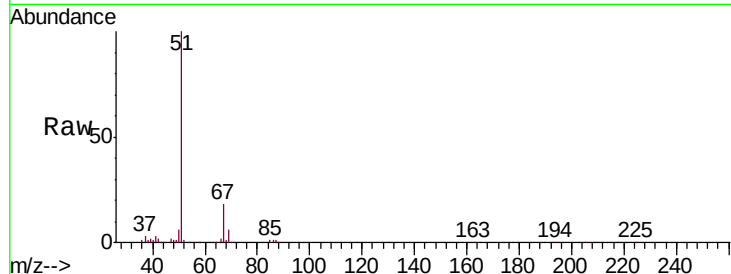
Tgt Ion	85	Resp	1216606
Ion Ratio	Lower	Upper	
85	100		
87	32.6	25.8	38.6





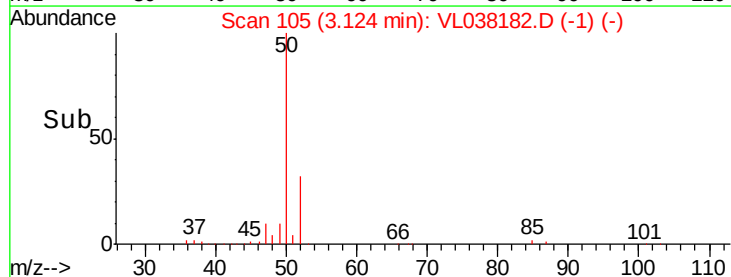
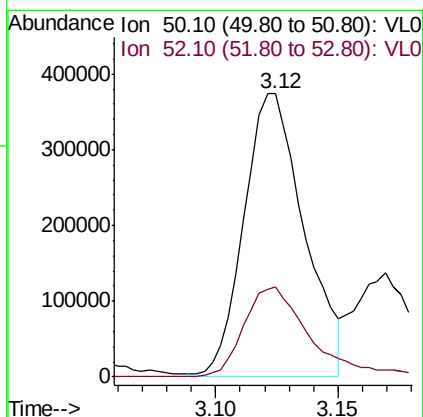
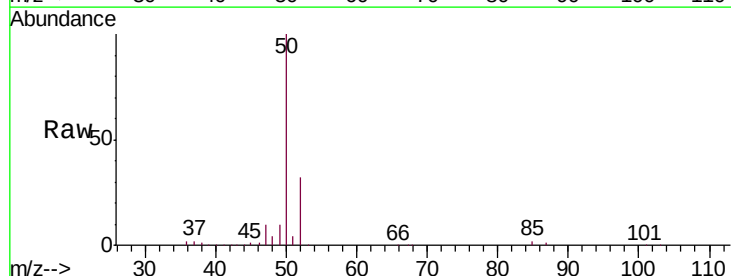
#3
 Chlorodifluoromethane
 Concen: 9.197 ppbv
 RT: 2.97
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 15 Dec 2021 10:10

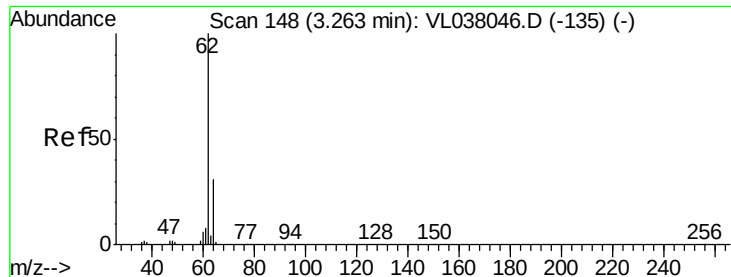
Tot Ion: 51 Resp: 1856658
 Ion Ratio Lower Upper
 51 100
 67 18.1 13.8 20.8



#4
 Chloromethane
 Concen: 9.272 ppbv
 RT: 3.12 min Scan# 105
 Delta R.T. -0.02 min
 Lab File: VL038182.D
 Acq: 15 Dec 2021 10:16

Tgt Ion: 50 Resp: 637206
 Ion Ratio Lower Upper
 50 100
 52 32.0 25.4 38.0





#5

Vinyl Chloride

Concen: 9.571 ppbv

RT: 3.24 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

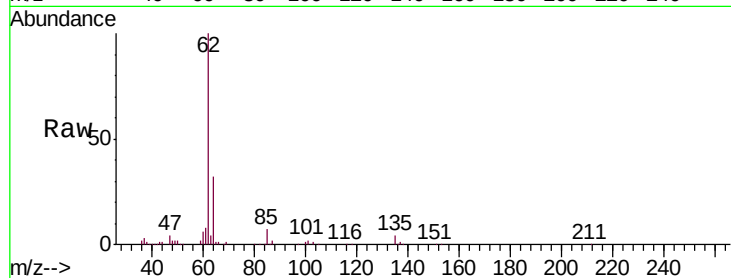
Acq: 15 Dec 2021 10:10

Tot Ion: 62 Resp: 645248

Ion Ratio Lower Upper

62 100

64 31.7 25.1 37.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.24

400000

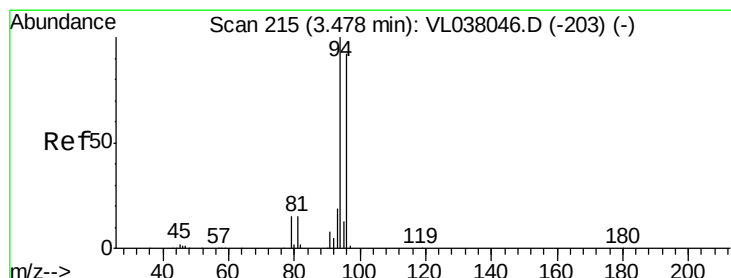
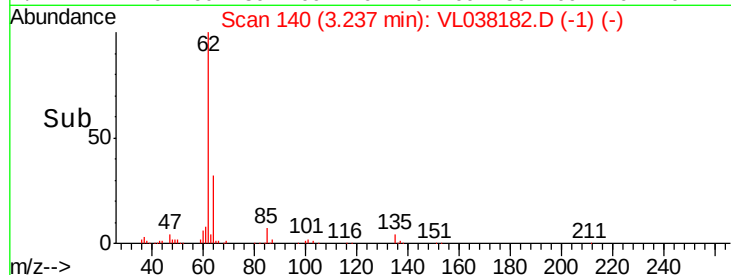
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 10.009 ppbv

RT: 3.45 min Scan# 207

Delta R.T. -0.03 min

Lab File: VL038182.D

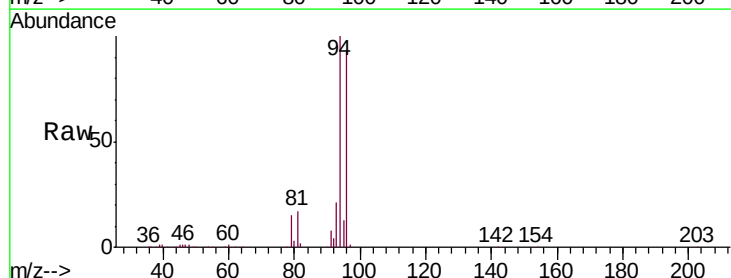
Acq: 15 Dec 2021 10:16

Tgt Ion: 94 Resp: 361476

Ion Ratio Lower Upper

94 100

96 93.2 73.9 110.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.45

200000

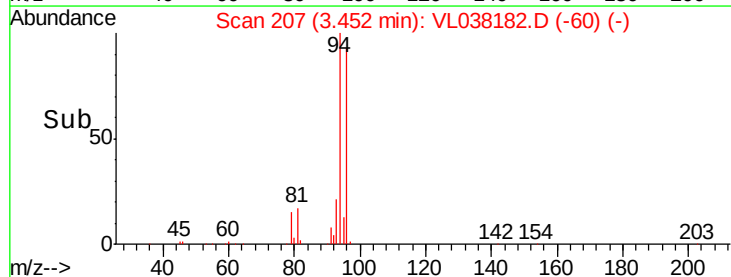
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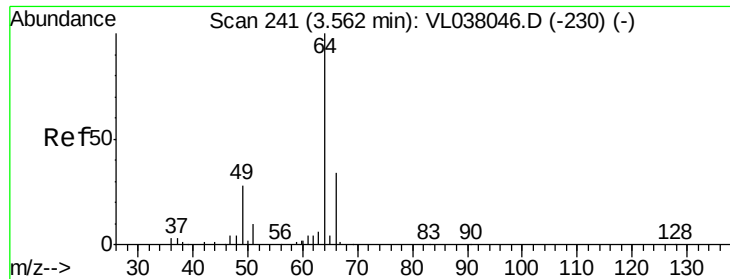
100000

50000

0

Time-->





#7

Chloroethane

Concen: 9.368 ppbv

RT: 3.53 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

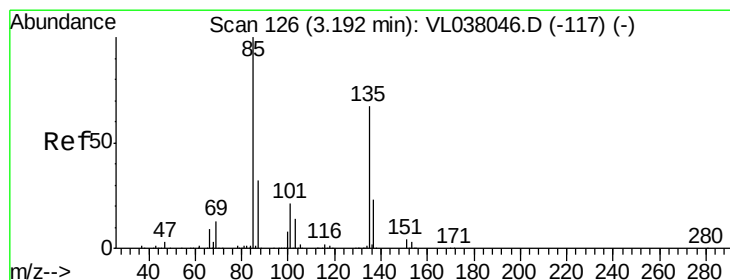
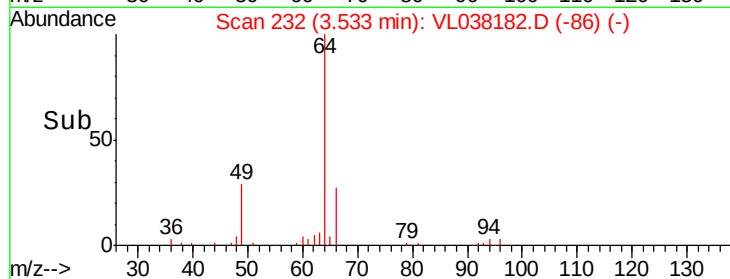
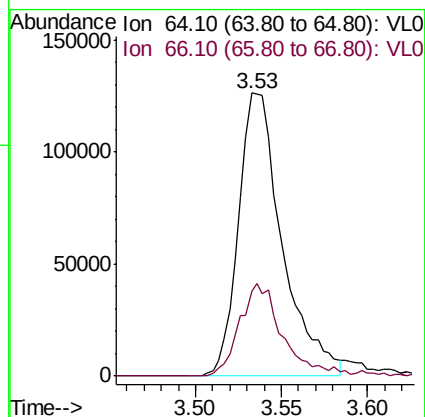
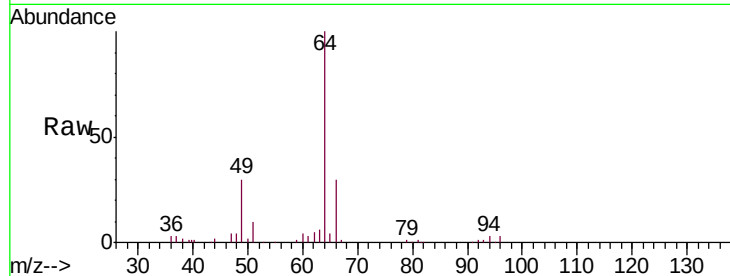
Acq: 15 Dec 2021 10:10

Tot Ion: 64 Resp: 224139

Ion Ratio Lower Upper

64 100

66 30.1 27.2 40.8



#8

Dichlorotetrafluoroethane

Concen: 9.546 ppbv

RT: 3.17 min Scan# 119

Delta R.T. -0.02 min

Lab File: VL038182.D

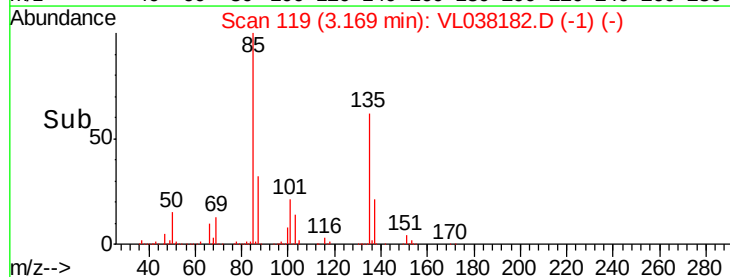
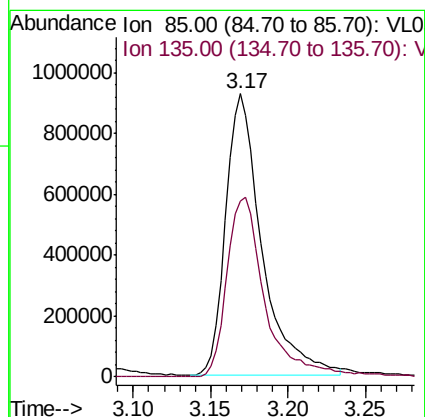
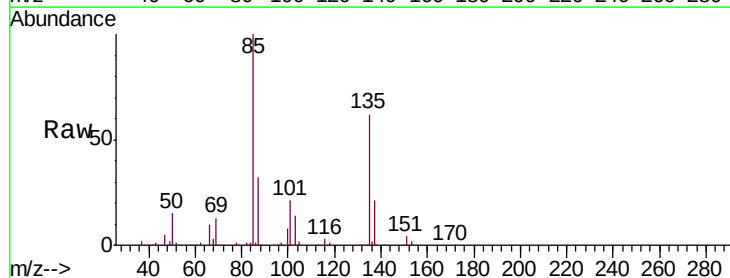
Acq: 15 Dec 2021 10:16

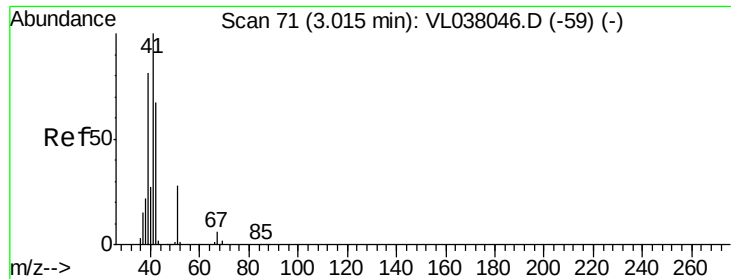
Tgt Ion: 85 Resp: 1507867

Ion Ratio Lower Upper

85 100

135 67.7 57.9 86.9





#9

Propene

Concen: 8.424 ppbv

RT: 2.99 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

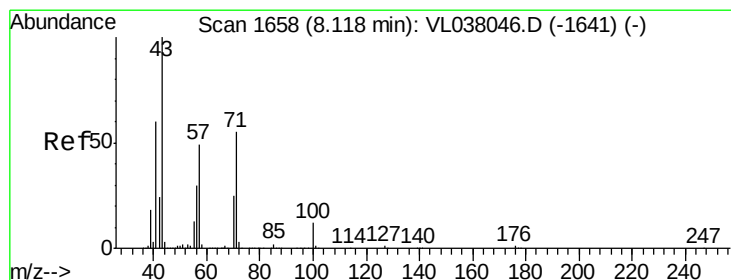
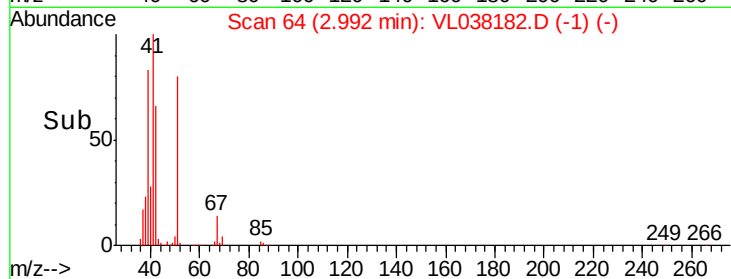
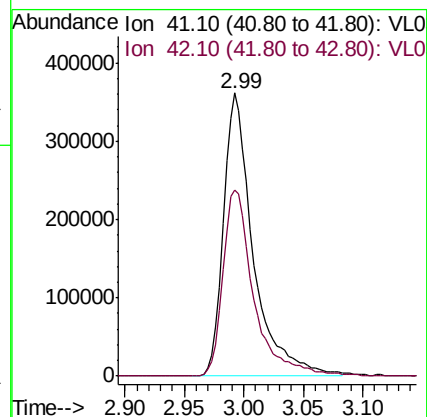
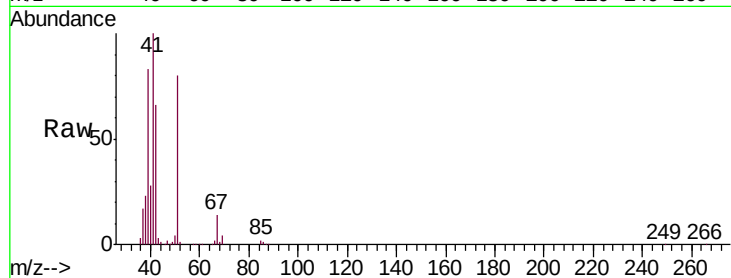
Acq: 15 Dec 2021 10:10

Tot Ion: 41 Resp: 626294

Ion Ratio Lower Upper

41 100

42 68.8 53.8 80.8



#10

Heptane

Concen: 8.652 ppbv

RT: 8.08 min Scan# 1646

Delta R.T. -0.04 min

Lab File: VL038182.D

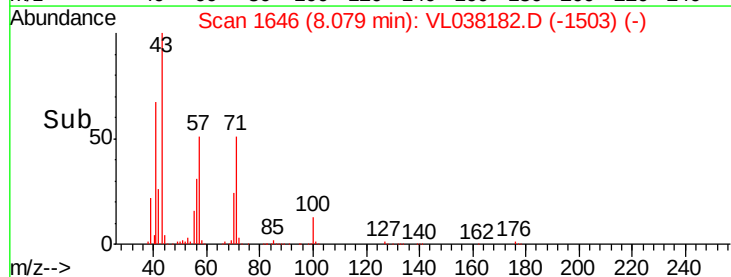
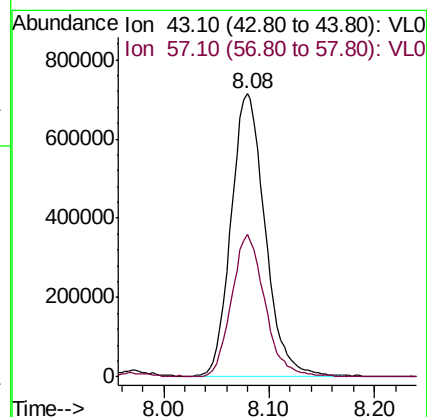
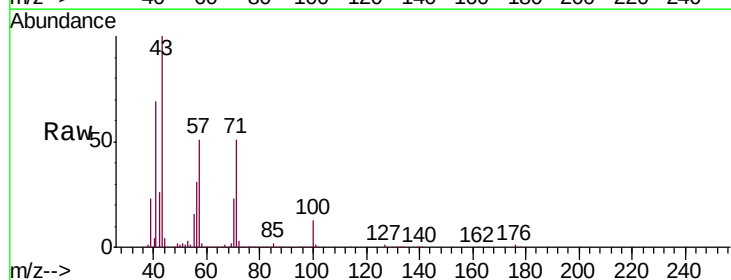
Acq: 15 Dec 2021 10:16

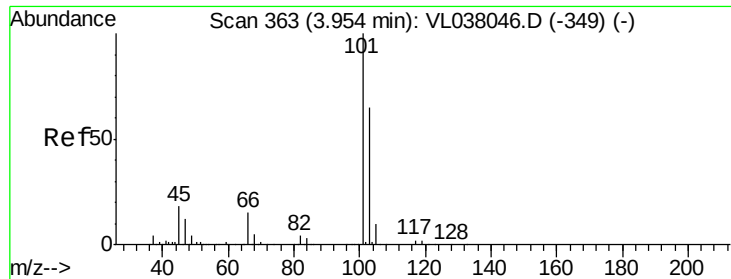
Tgt Ion: 43 Resp: 1589897

Ion Ratio Lower Upper

43 100

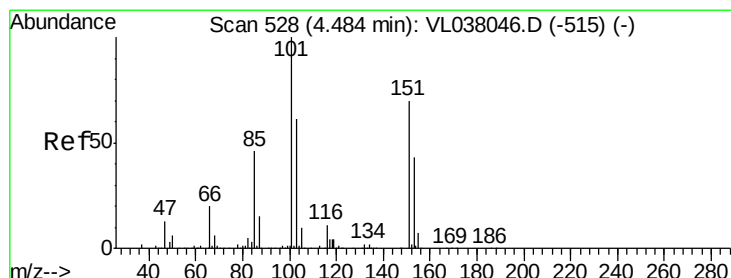
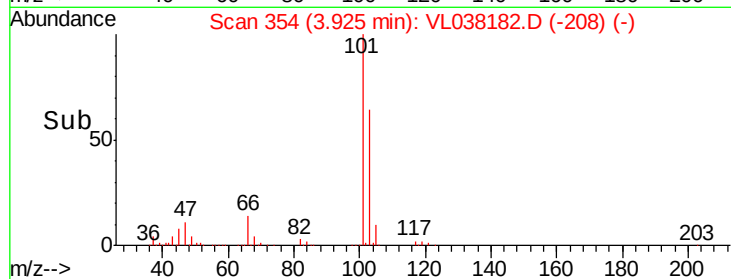
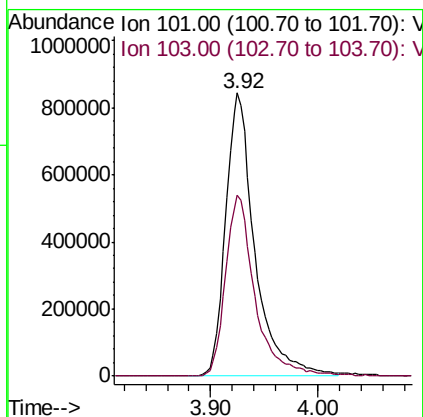
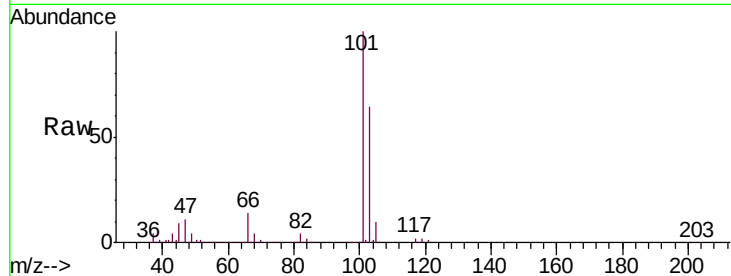
57 49.3 40.4 60.6





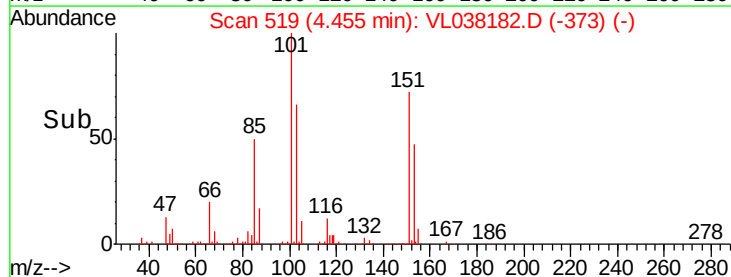
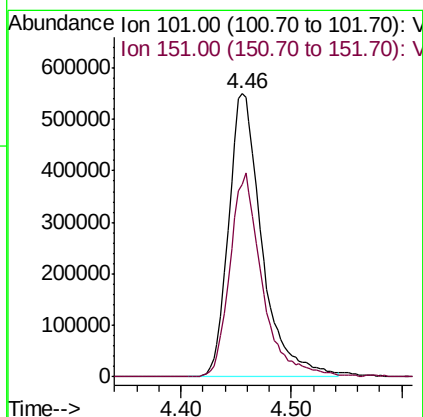
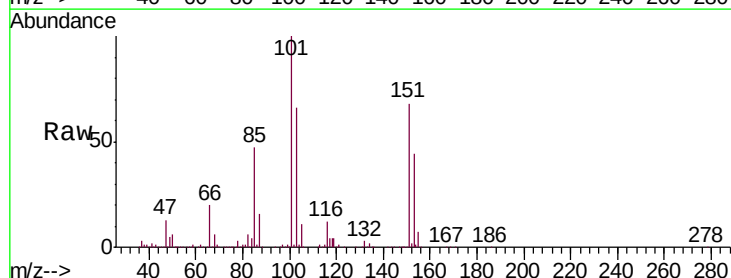
#11
 Trichlorofluoromethane
 Concen: 10.523 ppbv
 RT: 3.92
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 15 Dec 2021 10:16

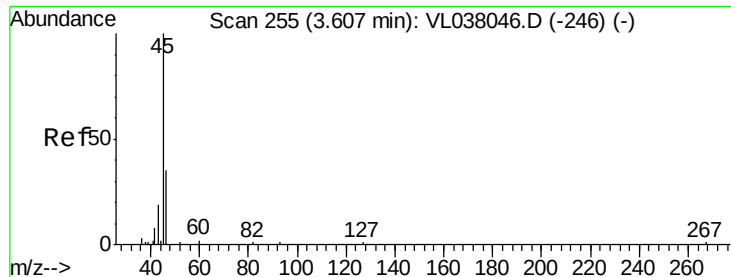
Tot Ion:101 Resp: 1589091
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.8 77.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.802 ppbv
 RT: 4.46 min Scan# 519
 Delta R.T. -0.03 min
 Lab File: VL038182.D
 Acq: 15 Dec 2021 10:16

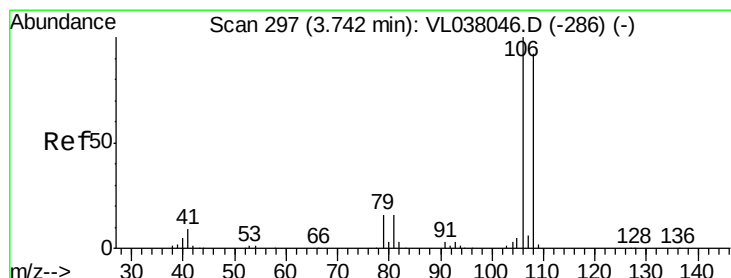
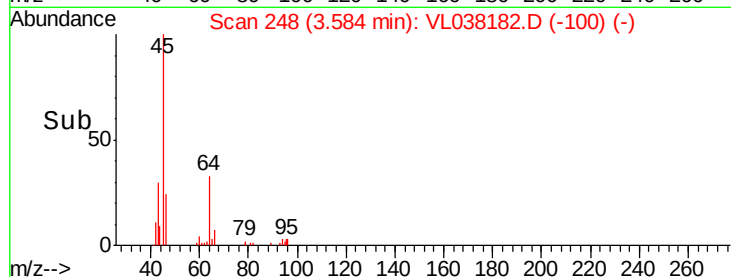
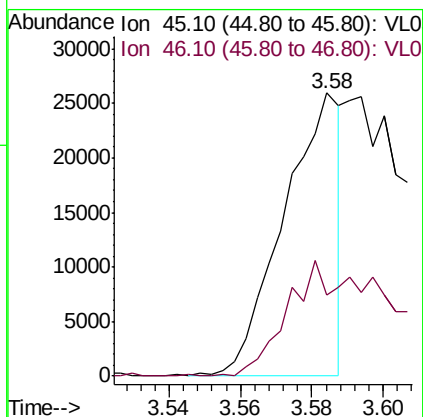
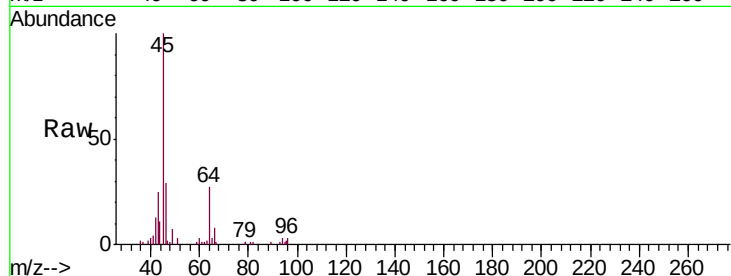
Tgt Ion:101 Resp: 1153944
 Ion Ratio Lower Upper
 101 100
 151 70.2 59.0 88.4





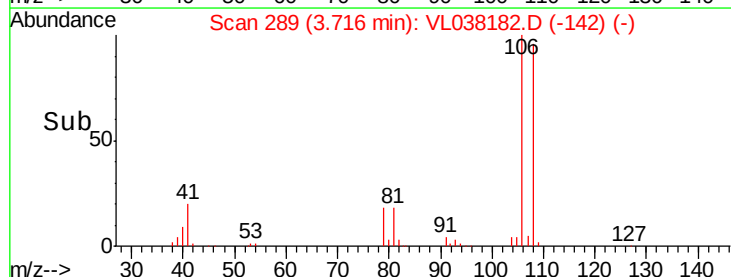
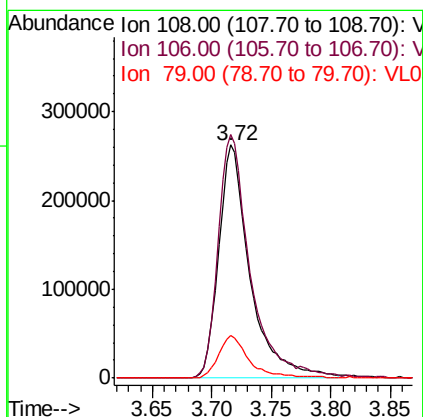
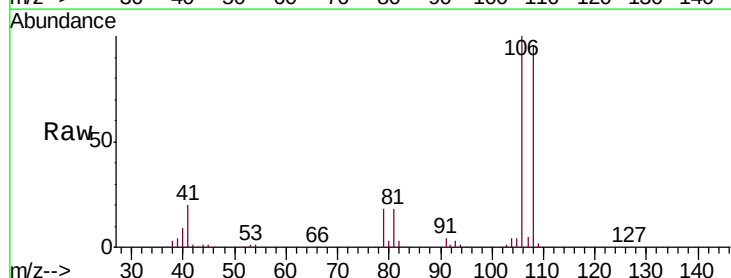
#13
 Ethanol
 Concen: 3.982 ppbv
 RT: 3.58
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 15 Dec 2021 10:16

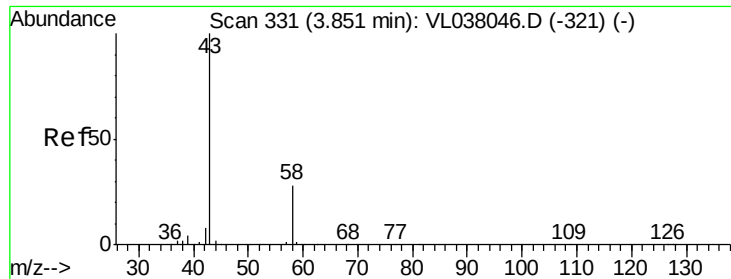
Tot Ion: 45 Resp: 28613
 Ion Ratio Lower Upper
 45 100
 46 93.3 17.6 70.2#



#14
 Bromoethene
 Concen: 10.040 ppbv
 RT: 3.72 min Scan# 289
 Delta R.T. -0.03 min
 Lab File: VL038182.D
 Acq: 15 Dec 2021 10:16

Tgt Ion: 108 Resp: 480265
 Ion Ratio Lower Upper
 108 100
 106 107.9 89.4 134.0
 79 18.3 14.1 21.1





#15

Acetone

Concen: 9.522 ppbv

RT: 3.83 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

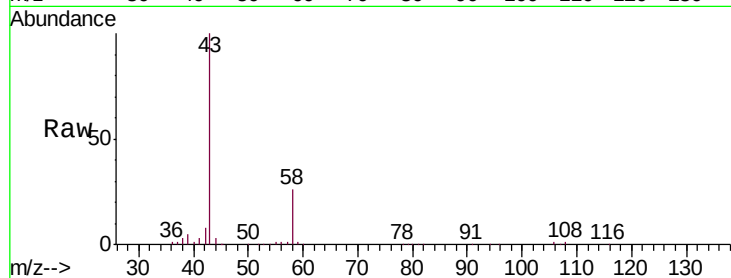
Acq: 15 Dec 2021 10:16

Tot Ion: 43 Resp: 793647

Ion Ratio Lower Upper

43 100

58 26.8 22.4 33.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.83

400000

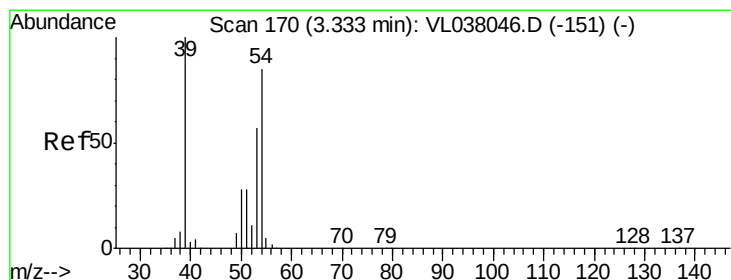
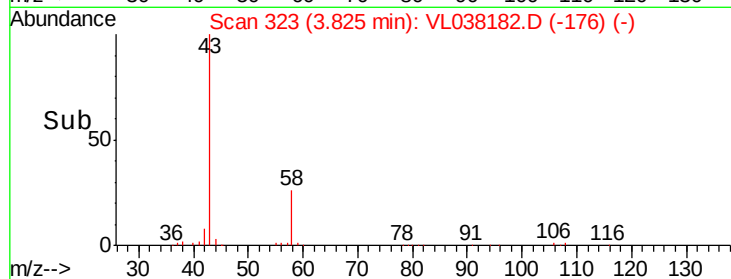
300000

200000

100000

0

Time--> 3.75 3.80 3.85 3.90



#16

1,3-Butadiene

Concen: 9.491 ppbv

RT: 3.30 min Scan# 161

Delta R.T. -0.03 min

Lab File: VL038182.D

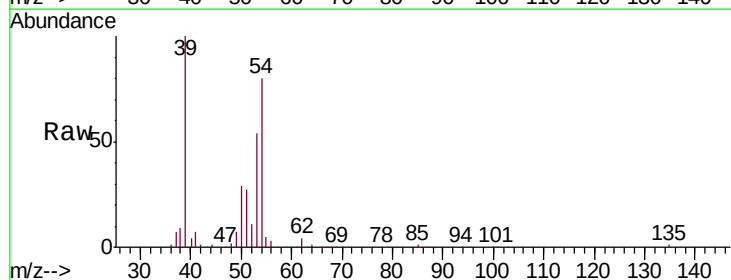
Acq: 15 Dec 2021 10:16

Tgt Ion: 39 Resp: 617142

Ion Ratio Lower Upper

39 100

54 77.4 64.4 96.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.30

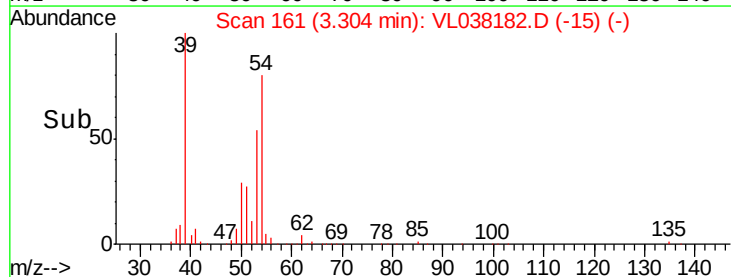
300000

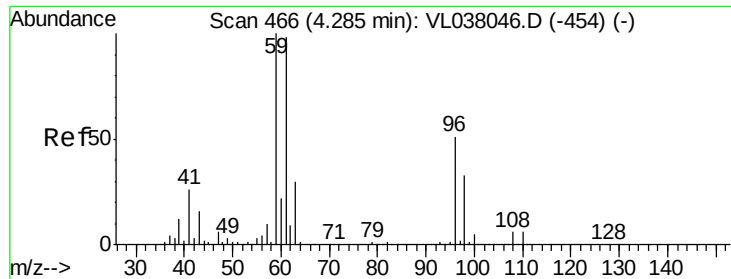
200000

100000

0

Time--> 3.20 3.25 3.30 3.35 3.40





#17

tert-Butyl alcohol

Concen: 9.096 ppbv

RT: 4.26 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

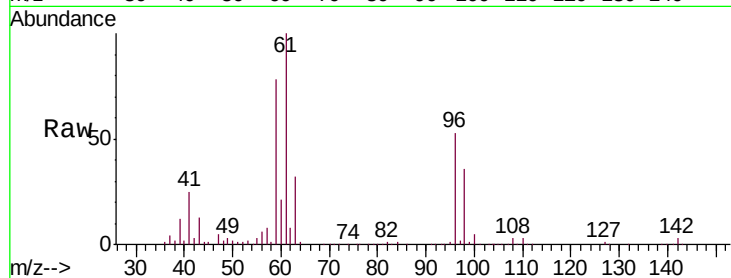
Acq: 15 Dec 2021 10:10

Tot Ion: 59 Resp: 919574

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

4.26

400000

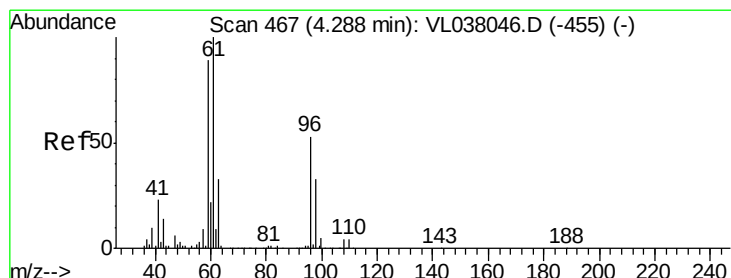
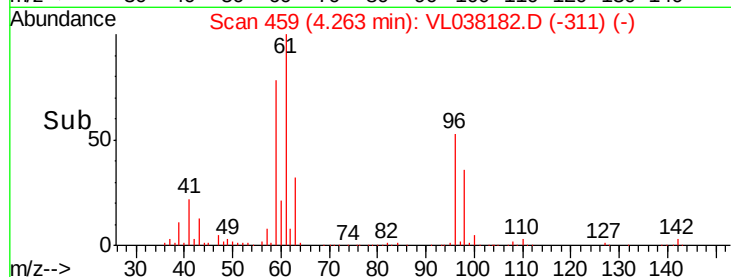
300000

200000

100000

0

Time-->



#18

1,1-Dichloroethene

Concen: 10.247 ppbv

RT: 4.26 min Scan# 458

Delta R.T. -0.03 min

Lab File: VL038182.D

Acq: 15 Dec 2021 10:16

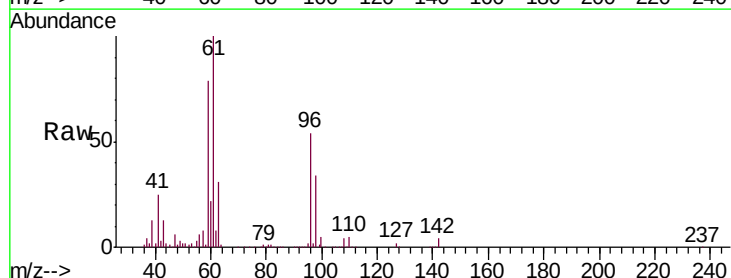
Tgt Ion: 96 Resp: 502147

Ion Ratio Lower Upper

96 100

61 184.2 149.8 224.8

98 62.3 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

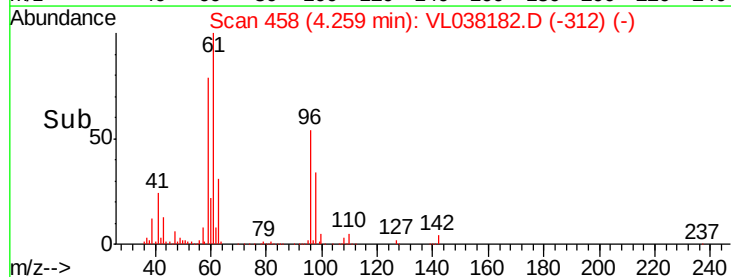
600000

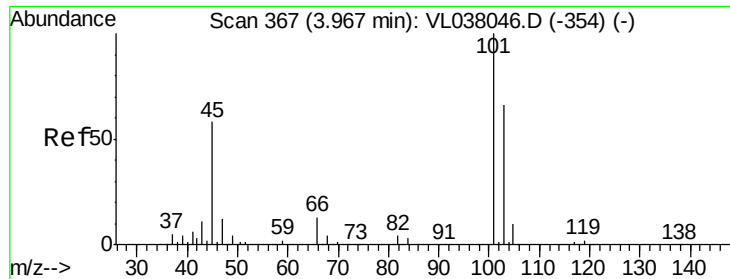
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 8.630 ppbv

RT: 3.94 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

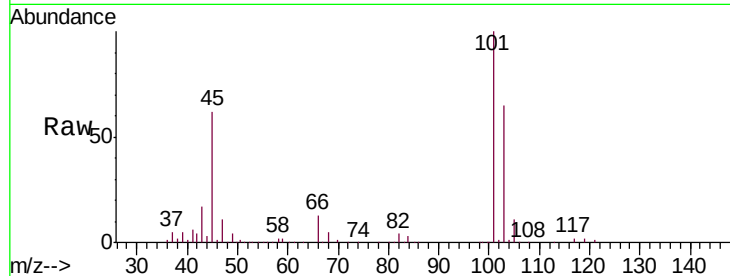
Acq: 15 Dec 2021 10:10

Tot Ion: 45 Resp: 519726

Ion Ratio Lower Upper

45 100

58 2.8 1.4 2.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.94

250000

200000

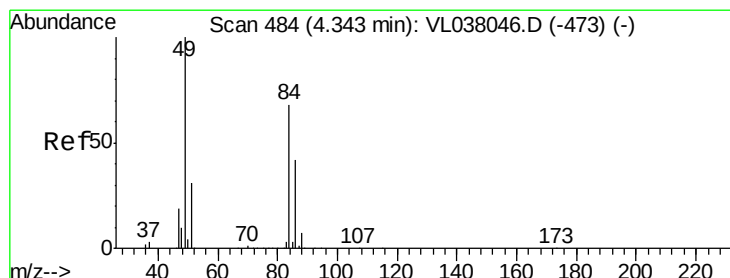
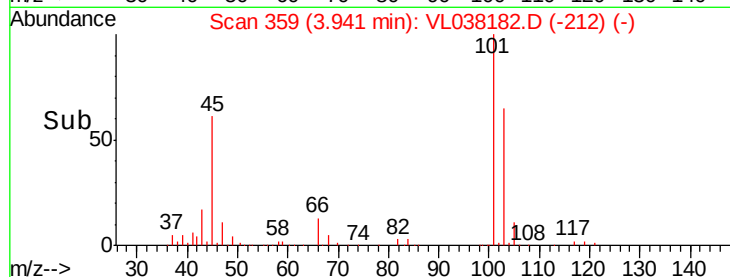
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 9.347 ppbv

RT: 4.32 min Scan# 476

Delta R.T. -0.03 min

Lab File: VL038182.D

Acq: 15 Dec 2021 10:16

Tgt Ion: 84 Resp: 436334

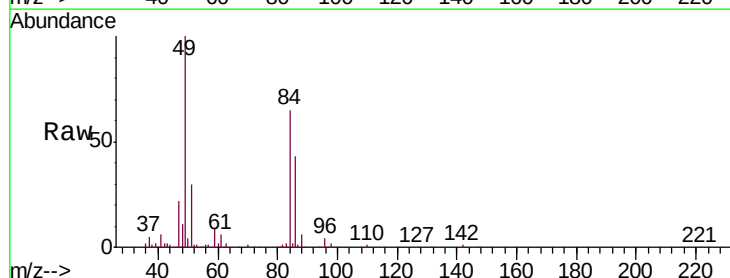
Ion Ratio Lower Upper

84 100

49 152.9 118.2 177.2

51 45.5 36.8 55.2

86 67.2 49.0 73.6



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

500000

400000

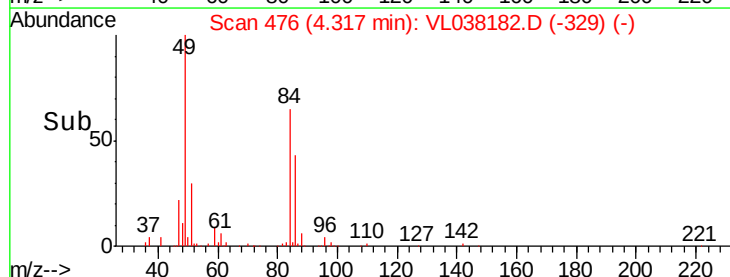
300000

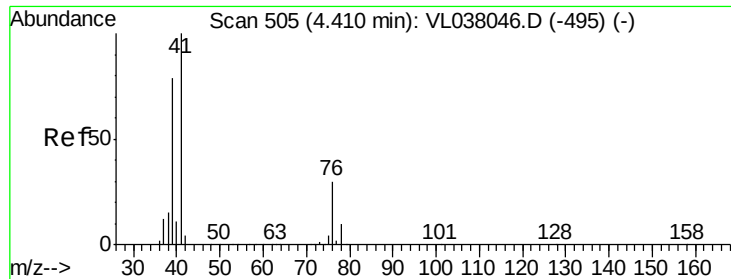
200000

100000

0

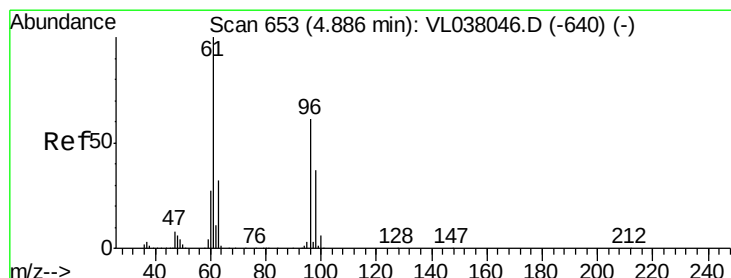
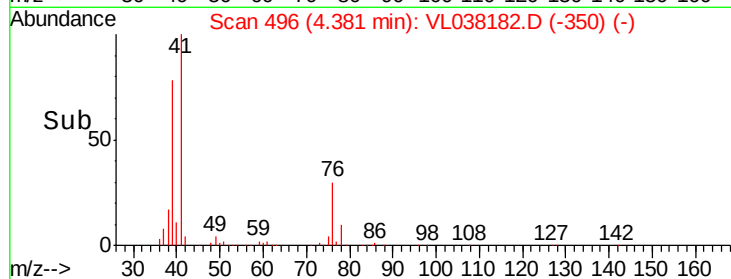
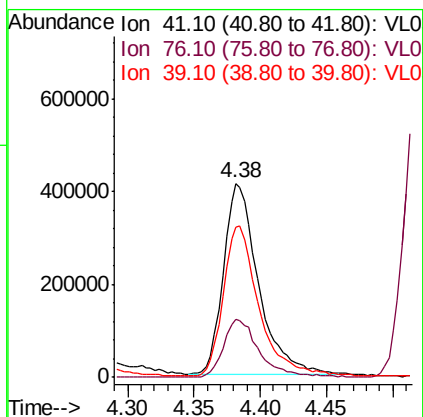
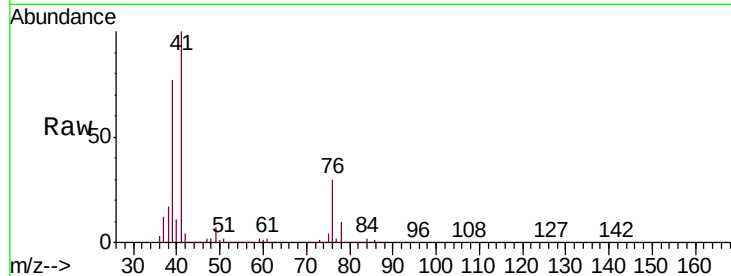
Time-->





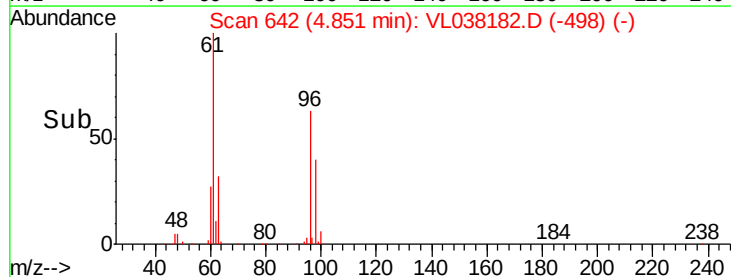
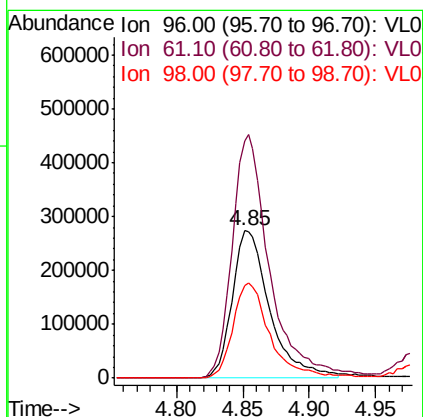
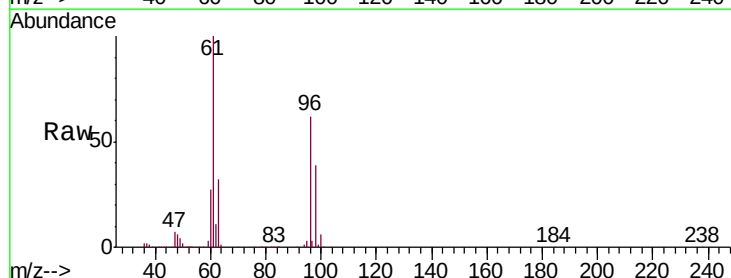
#21
Allvl Chloride
Concen: 9.663 ppbv
RT: 4.38
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 15 Dec 2021 10:10

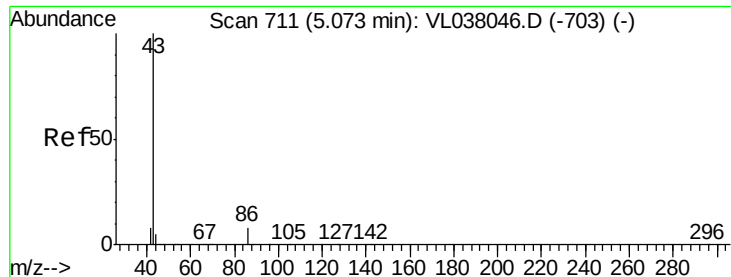
Tot Ion	Ratio	Lower	Upper
41	100		
76	31.7	24.6	36.8
39	82.2	63.4	95.0



#22
trans-1,2-Dichloroethene
Concen: 10.882 ppbv
RT: 4.85 min Scan# 642
Delta R.T. -0.04 min
Lab File: VL038182.D
Acq: 15 Dec 2021 10:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.6	131.6	197.4
98	62.9	48.4	72.6





#23

Vinyl Acetate

Concen: 9.600 ppbv

RT: 5.04 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 15 Dec 2021 10:10

Tot Ion: 43 Resp: 1158222

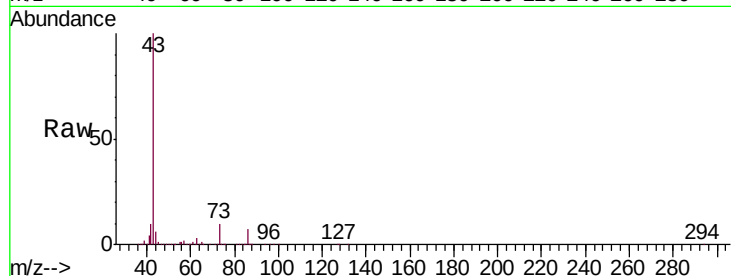
Ion	Ratio	Lower	Upper
43	100		
86	6.5	5.3	7.9
42	10.3	7.0	10.6
44	5.6	4.0	6.0

43 100

86 6.5 5.3 7.9

42 10.3 7.0 10.6

44 5.6 4.0 6.0



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

1000000

800000

600000

400000

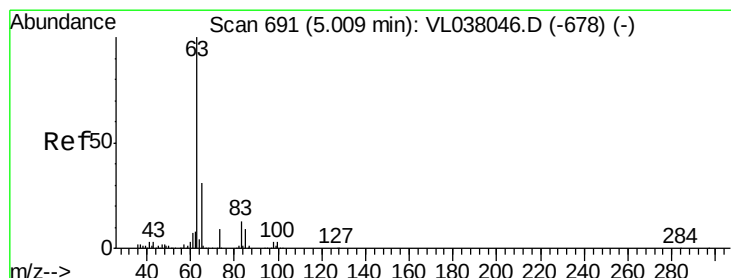
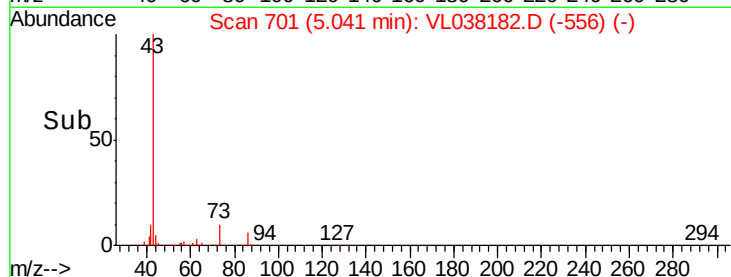
200000

0

5.04

5.00 5.05 5.10

Time-->



#24

1,1-Dichloroethane

Concen: 10.559 ppbv

RT: 4.98 min Scan# 682

Delta R.T. -0.03 min

Lab File: VL038182.D

Acq: 15 Dec 2021 10:16

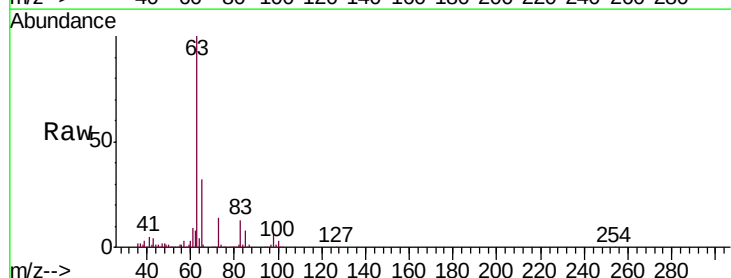
Tgt Ion: 63 Resp: 1060830

Ion	Ratio	Lower	Upper
63	100		
98	5.3	1.8	5.4
100	3.1	1.4	4.0

63 100

98 5.3 1.8 5.4

100 3.1 1.4 4.0



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

600000

400000

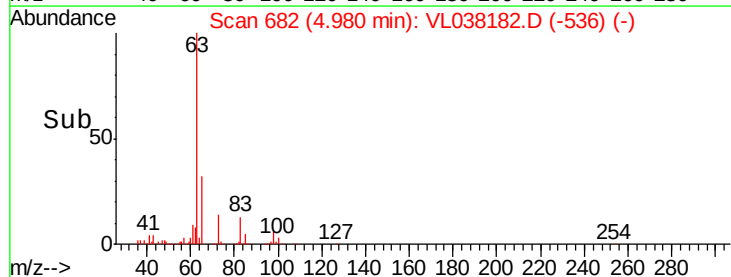
200000

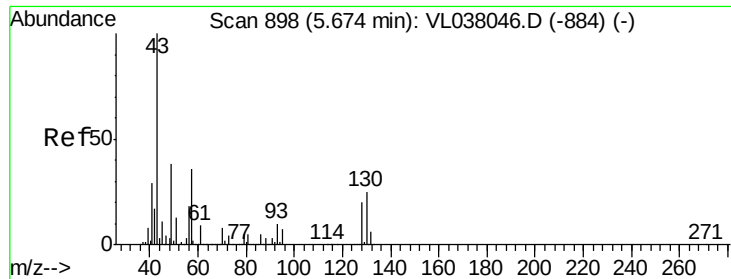
0

4.98

4.90 4.95 5.00 5.05

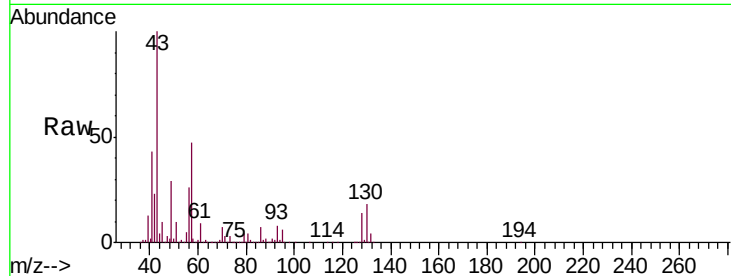
Time-->



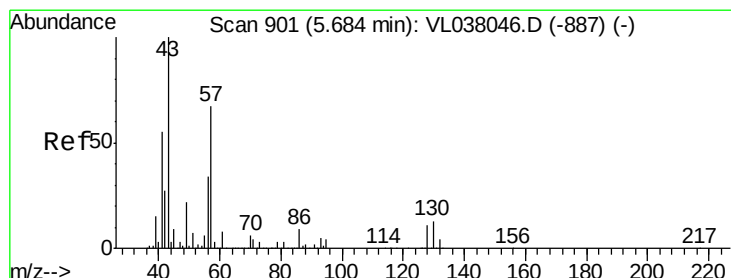
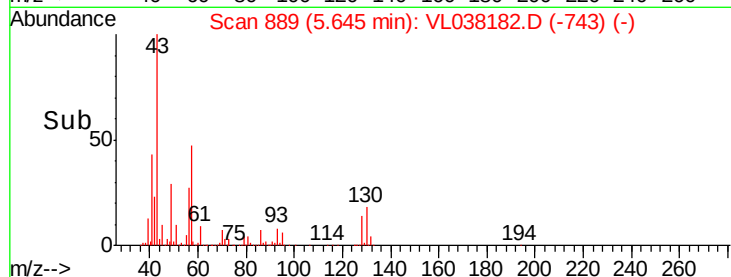
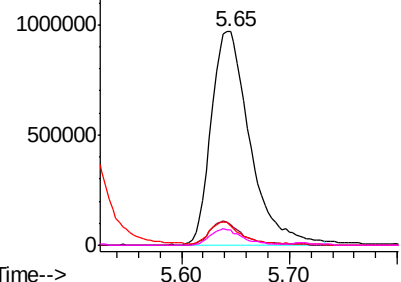


#25
Ethyl Acetate
Concen: 8.717 ppbv
RT: 5.65 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 15 Dec 2021 10:10

Tot Ion:	43	Resp:	2414663
Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.9	11.9
61	9.7	7.8	11.6
70	6.5	5.8	8.8

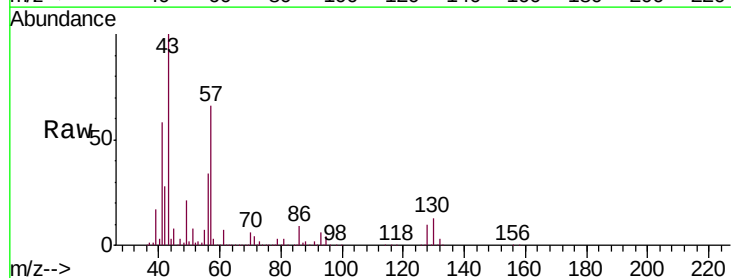


Abundance Ion 43.10 (42.80 to 43.80): VL0
1500000 Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

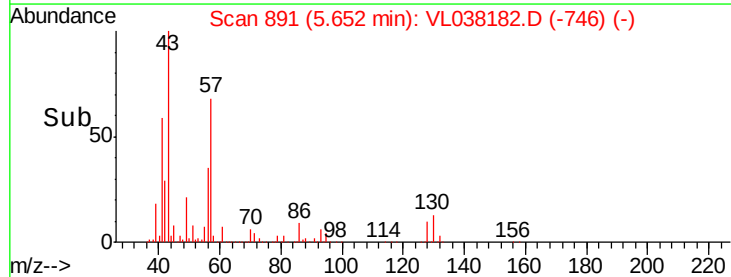
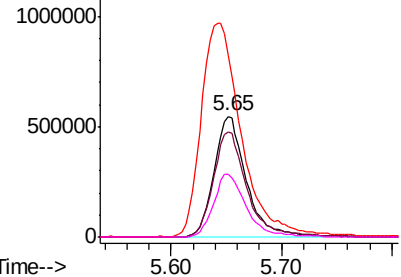


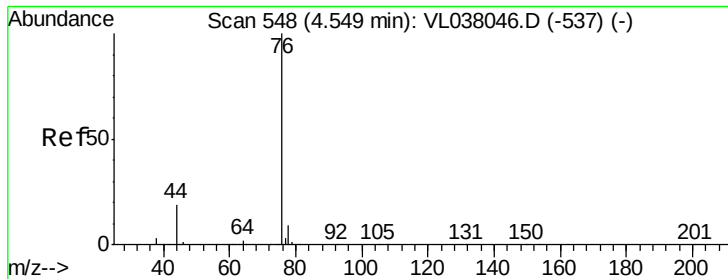
#26
Hexane
Concen: 8.282 ppbv
RT: 5.65 min Scan# 891
Delta R.T.: -0.03 min
Lab File: VL038182.D
Acq: 15 Dec 2021 10:16

Tgt Ion:	57	Resp:	1105707
Ion	Ratio	Lower	Upper
57	100		
41	91.6	71.4	107.2
43	222.7	174.6	261.8
56	53.6	43.2	64.8



Abundance Ion 57.10 (56.80 to 57.80): VL0
1500000 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: 10.897 ppbv

RT: 4.52 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 15 Dec 2021 10:10

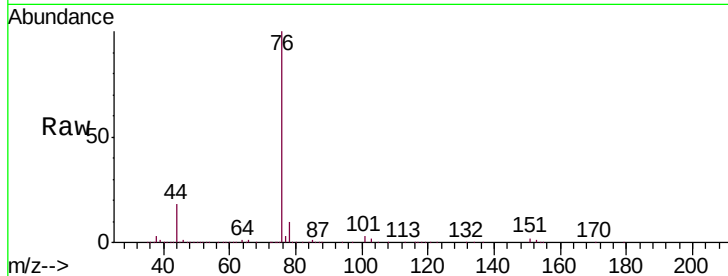
Tot Ion: 76 Resp: 1303242

Ion Ratio Lower Upper

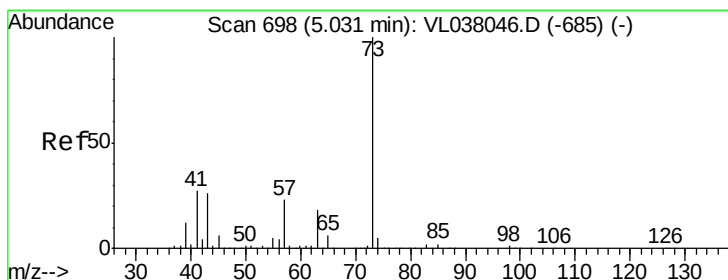
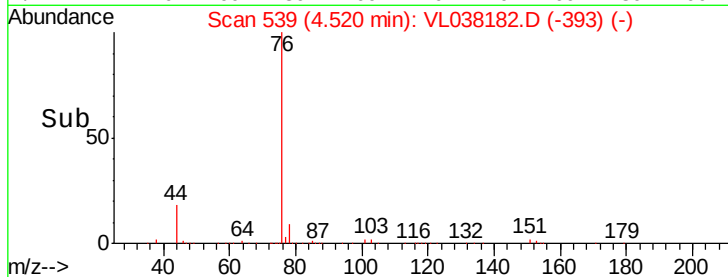
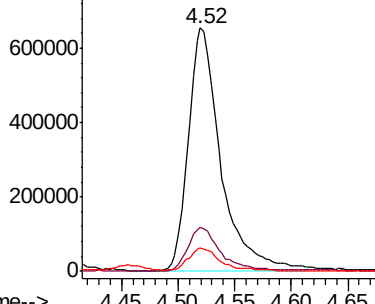
76 100

44 18.6 14.9 22.3

78 10.0 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.906 ppbv

RT: 5.00 min Scan# 689

Delta R.T. -0.03 min

Lab File: VL038182.D

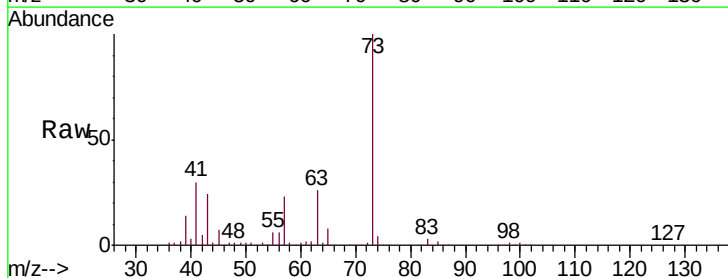
Acq: 15 Dec 2021 10:16

Tgt Ion: 73 Resp: 1123491

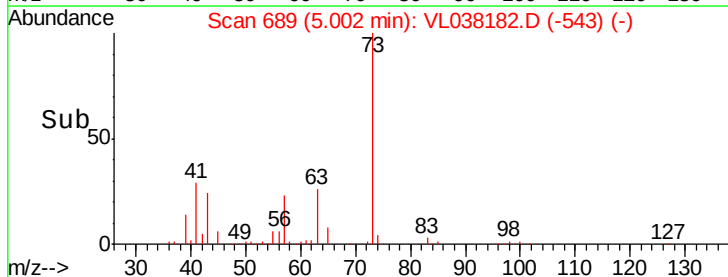
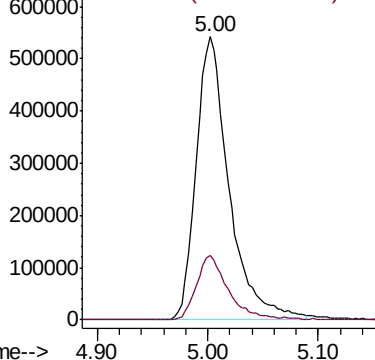
Ion Ratio Lower Upper

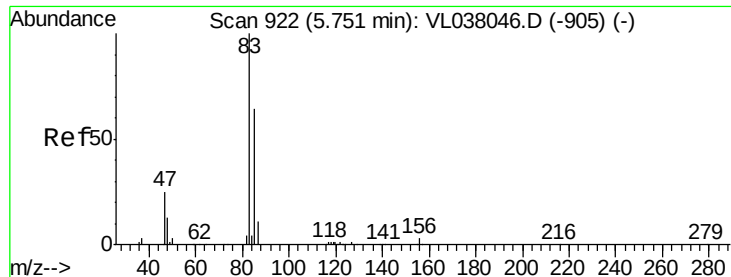
73 100

57 22.8 19.0 28.4



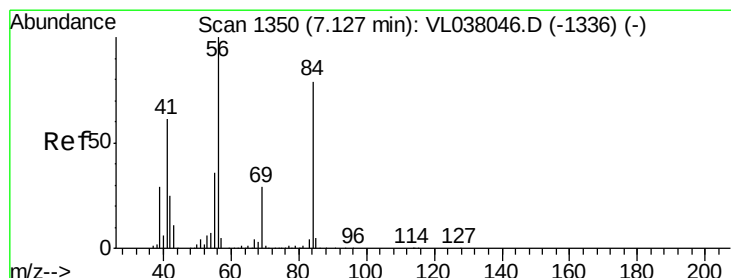
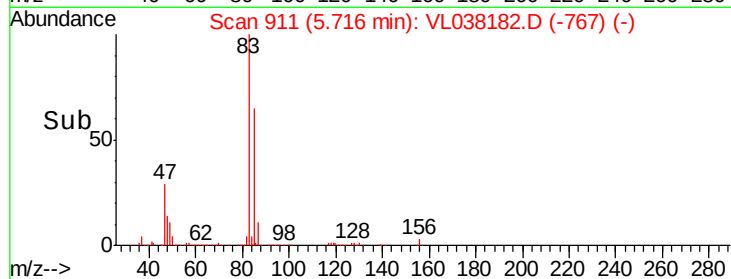
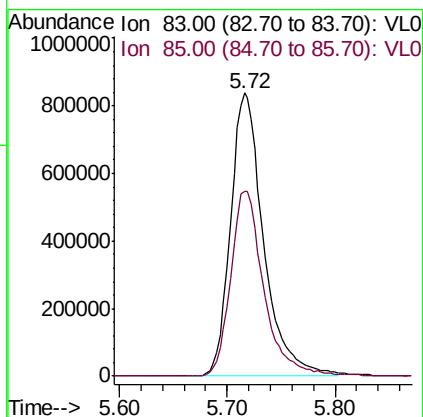
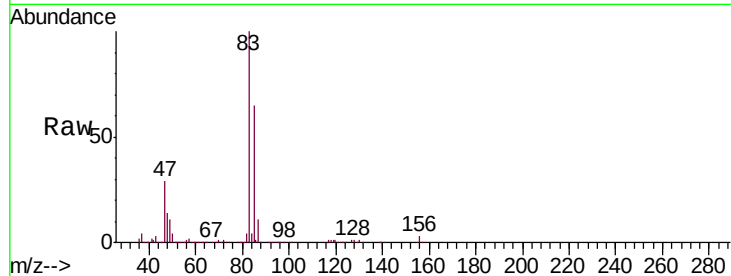
Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





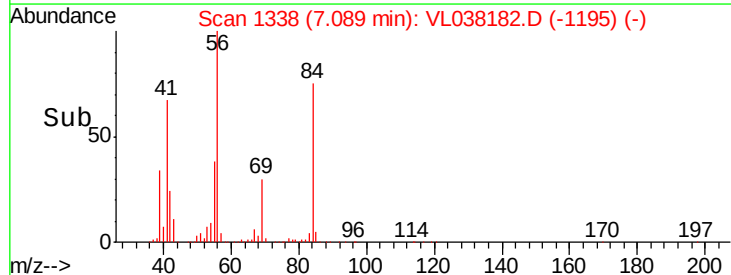
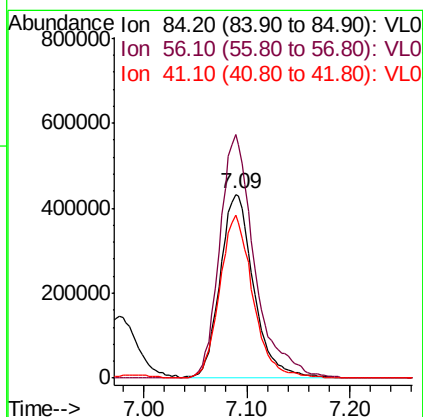
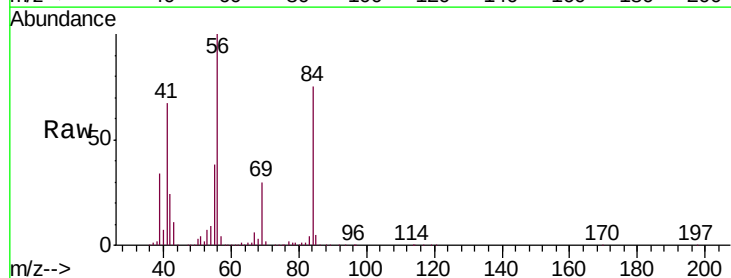
#29
Chloroform
Concen: 9.094 ppbv
RT: 5.72
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 15 Dec 2021 10:16

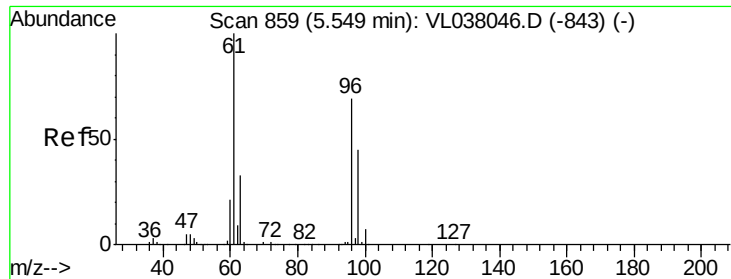
Tot Ion: 83 Resp: 1789477
Ion Ratio Lower Upper
83 100
85 65.1 51.0 76.6



#30
Cyclohexane
Concen: 8.003 ppbv
RT: 7.09 min Scan# 1338
Delta R.T. -0.04 min
Lab File: VL038182.D
Acq: 15 Dec 2021 10:16

Tgt Ion: 84 Resp: 970070
Ion Ratio Lower Upper
84 100
56 140.1 108.1 162.1
41 89.1 64.4 96.6





#31

cis-1,2-Dichloroethene

Concen: 8.424 ppbv

RT: 5.51 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 15 Dec 2021 10:10

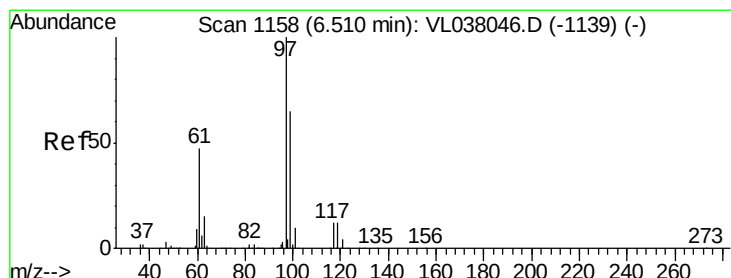
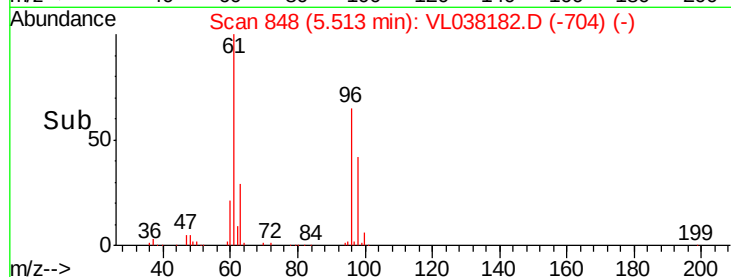
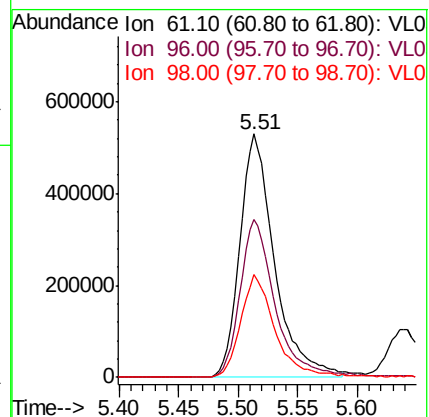
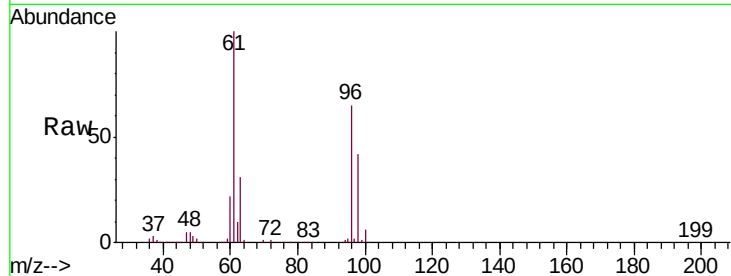
Tot Ion: 61 Resp: 1069888

Ion Ratio Lower Upper

61 100

96 64.6 55.4 83.2

98 41.9 35.7 53.5



#32

1,1,1-Trichloroethane

Concen: 8.790 ppbv

RT: 6.47 min Scan# 1146

Delta R.T. -0.04 min

Lab File: VL038182.D

Acq: 15 Dec 2021 10:16

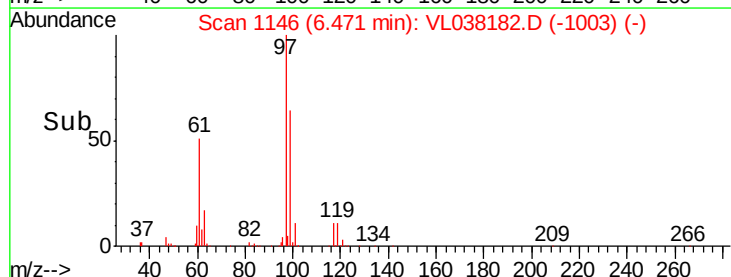
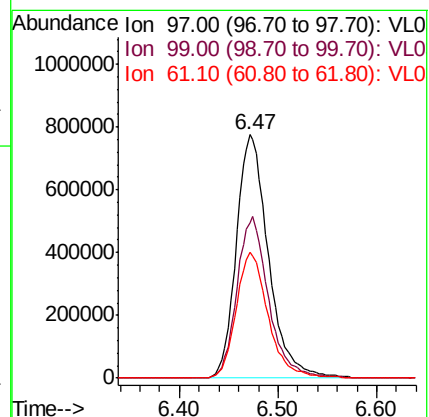
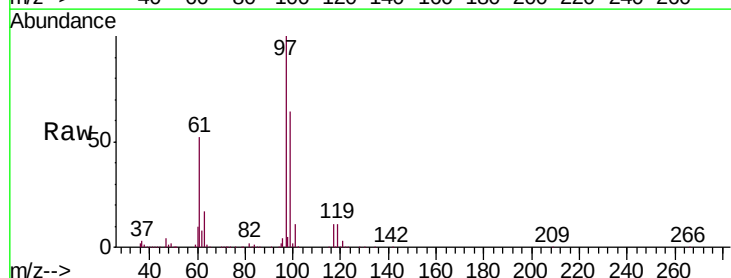
Tgt Ion: 97 Resp: 1755416

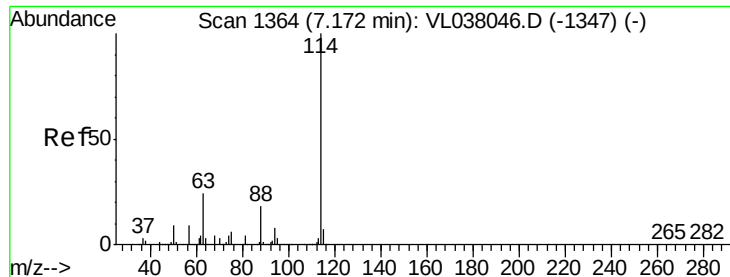
Ion Ratio Lower Upper

97 100

99 65.5 52.2 78.4

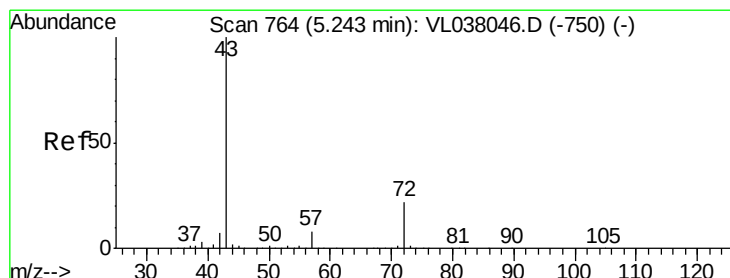
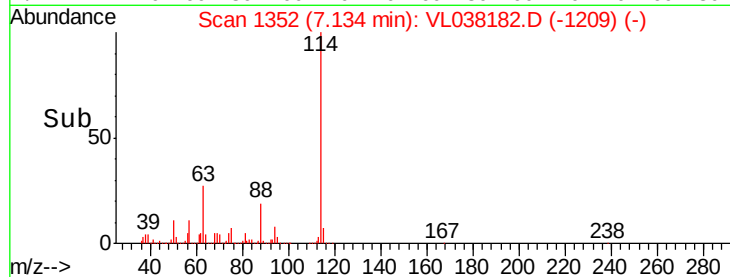
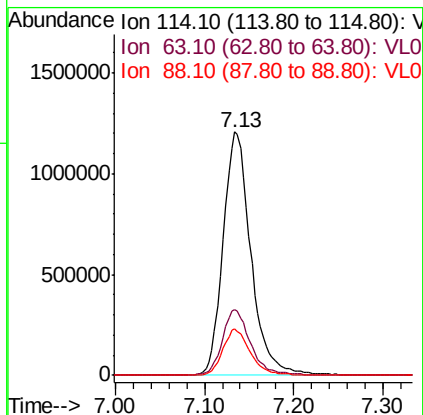
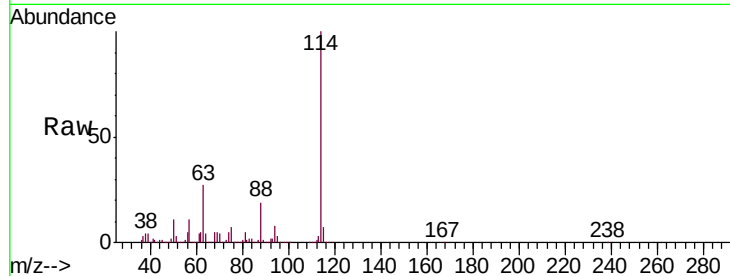
61 51.4 37.7 56.5





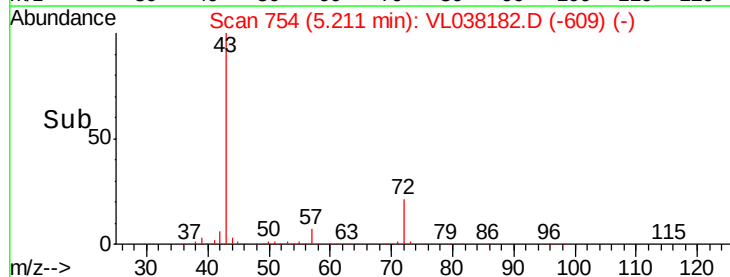
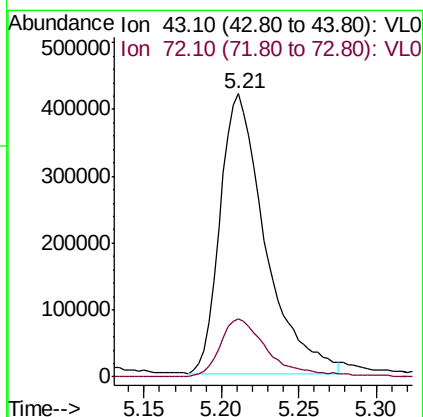
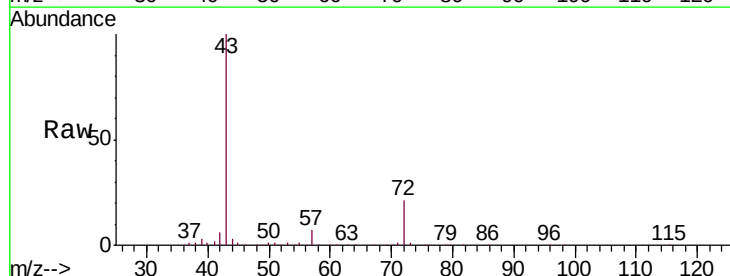
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.13 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 15 Dec 2021 10:16

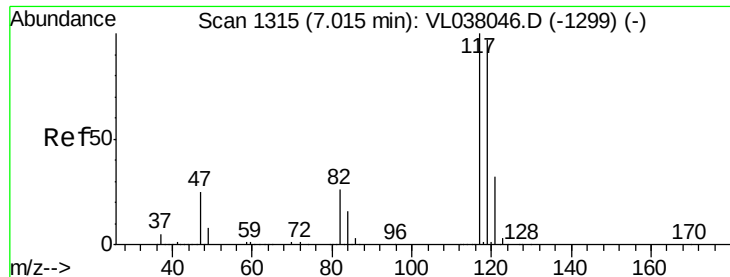
Tot Ion: 114 Resp: 2604977
 Ion Ratio Lower Upper
 114 100
 63 27.5 19.7 29.5
 88 18.9 14.4 21.6



#34
 2-Butanone
 Concen: 8.061 ppbv
 RT: 5.21 min Scan# 754
 Delta R.T.: -0.03 min
 Lab File: VL038182.D
 Acq: 15 Dec 2021 10:16

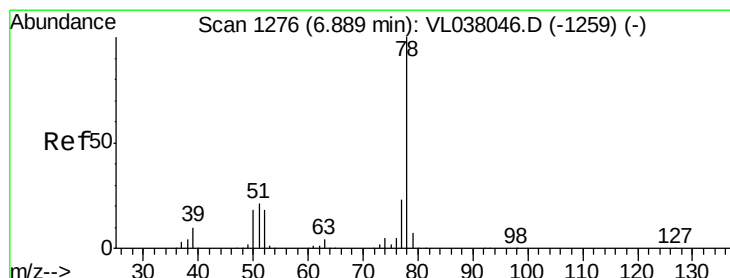
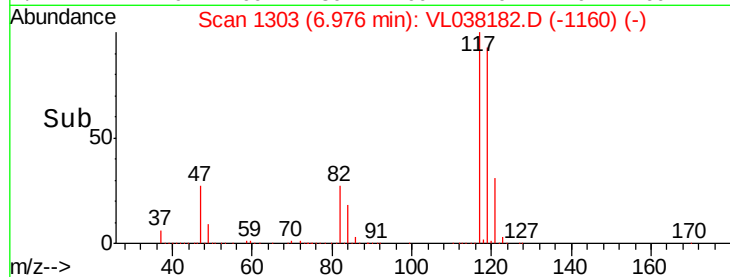
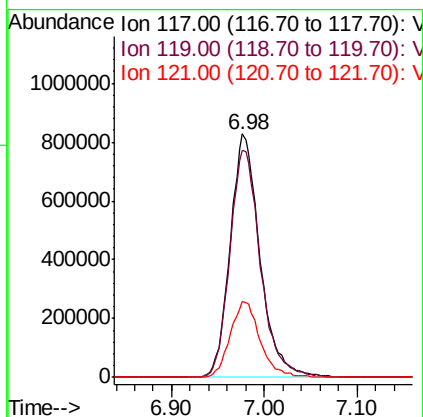
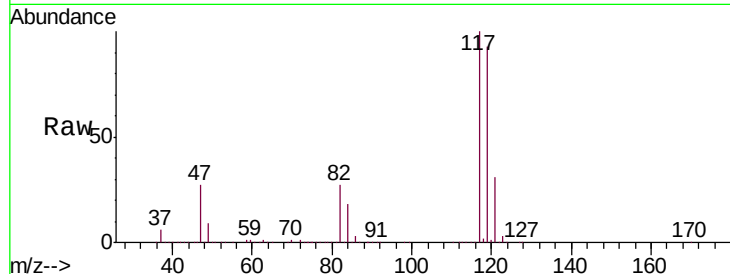
Tgt Ion: 43 Resp: 846769
 Ion Ratio Lower Upper
 43 100
 72 22.2 18.8 28.2





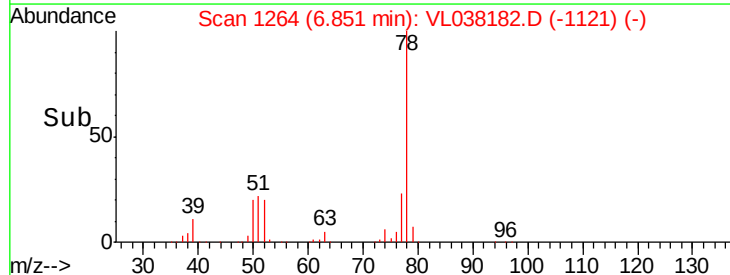
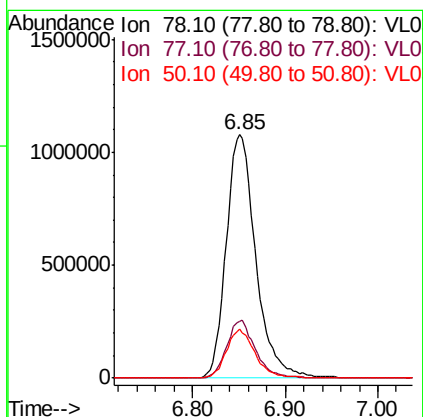
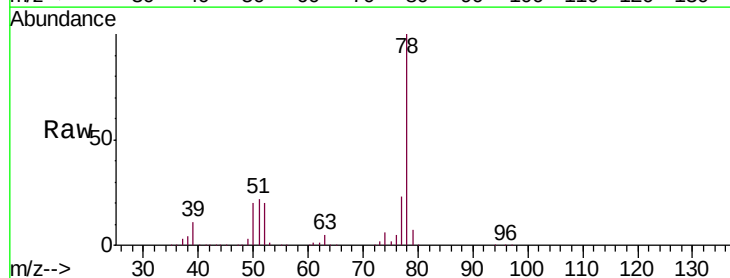
#35
Carbon Tetrachloride
Concen: 10.061 ppbv
RT: 6.98
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 15 Dec 2021 10:16

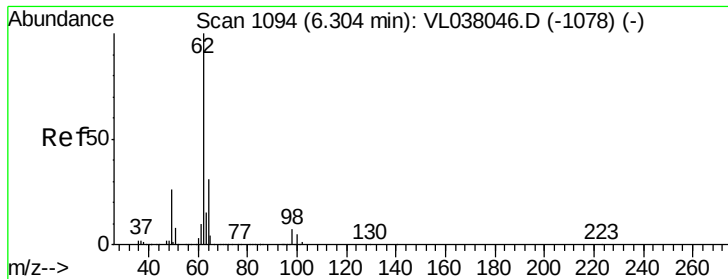
Tot Ion:117 Resp: 1841458
Ion Ratio Lower Upper
117 100
119 93.0 77.7 116.5
121 31.1 25.6 38.4



#36
Benzene
Concen: 9.177 ppbv
RT: 6.85 min Scan# 1264
Delta R.T. -0.04 min
Lab File: VL038182.D
Acq: 15 Dec 2021 10:16

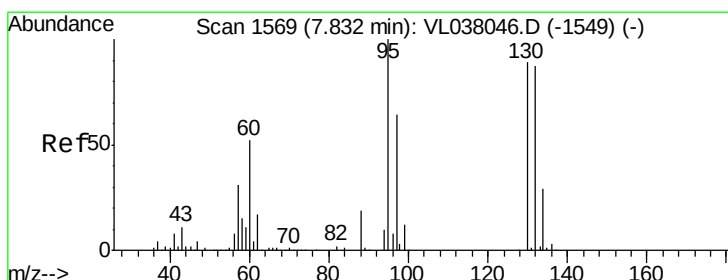
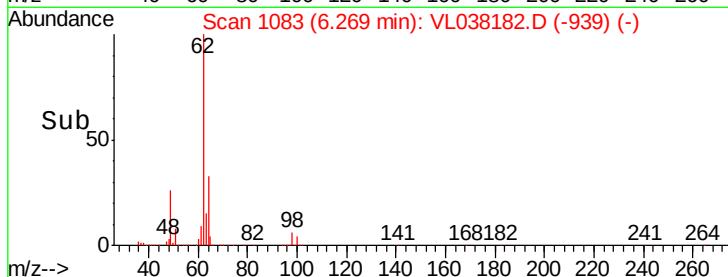
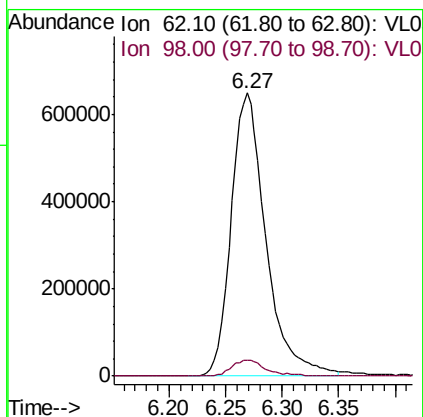
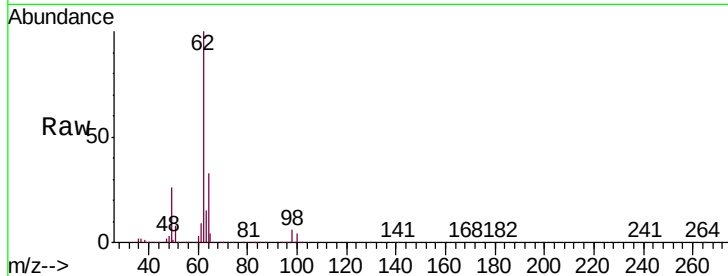
Tgt Ion: 78 Resp: 2384802
Ion Ratio Lower Upper
78 100
77 23.2 18.2 27.4
50 20.2 14.7 22.1





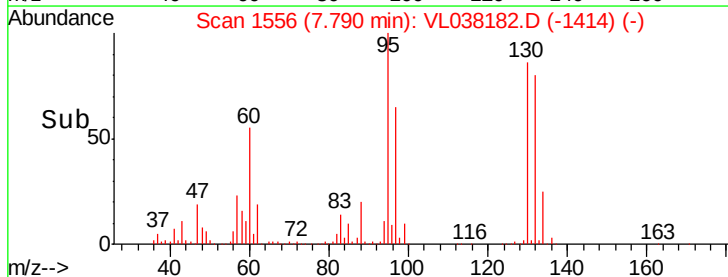
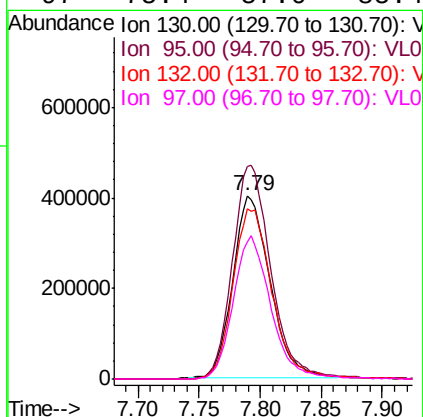
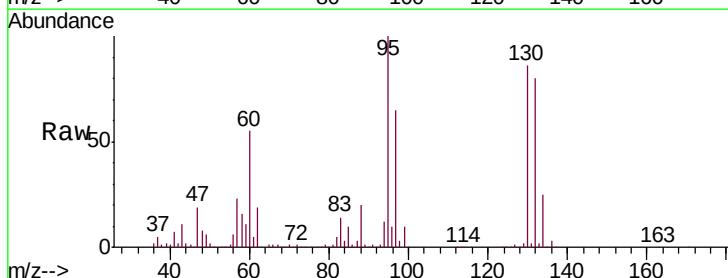
#37
 1,2-Dichloroethane
 Concen: 11.062 ppbv
 RT: 6.27
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 15 Dec 2021 10:10

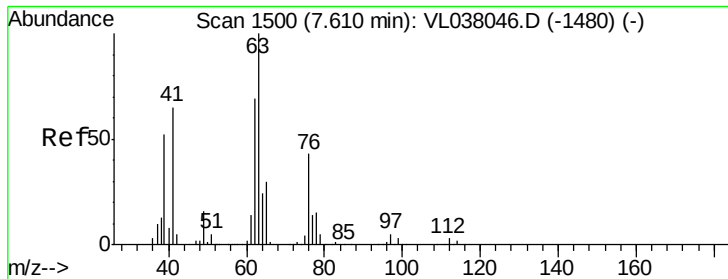
Tot Ion: 62 Resp: 1388300
 Ion Ratio Lower Upper
 62 100
 98 5.9 5.8 8.6



#38
 Trichloroethene
 Concen: 8.715 ppbv
 RT: 7.79 min Scan# 1556
 Delta R.T. -0.04 min
 Lab File: VL038182.D
 Acq: 15 Dec 2021 10:16

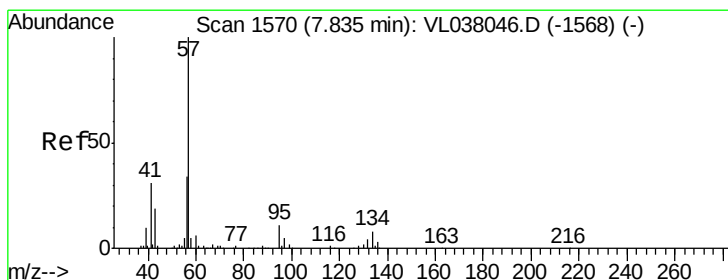
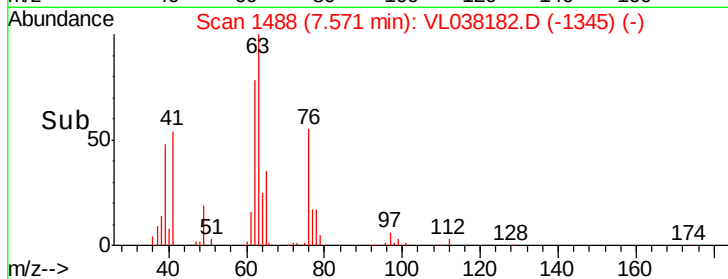
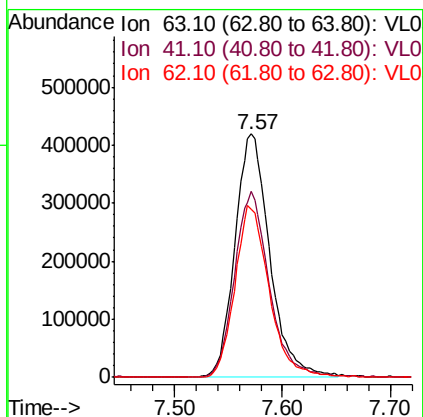
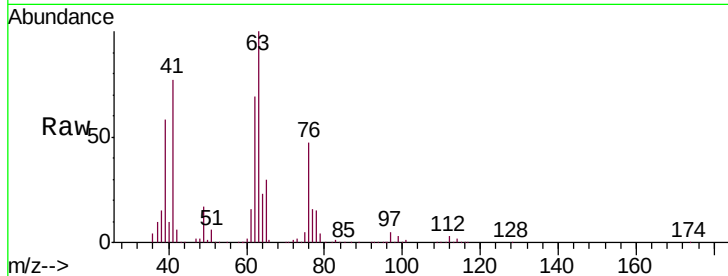
Tgt Ion: 130 Resp: 854246
 Ion Ratio Lower Upper
 130 100
 95 116.6 89.4 134.2
 132 93.2 78.2 117.2
 97 75.4 57.0 85.4





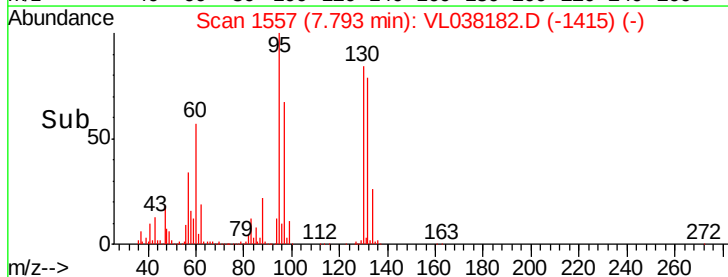
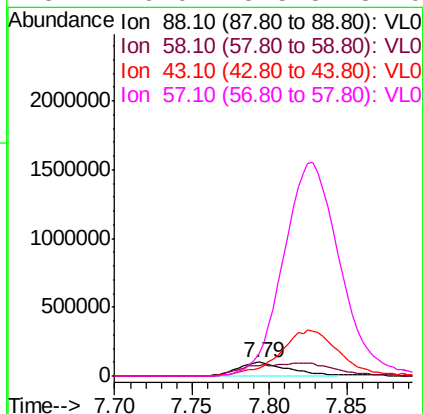
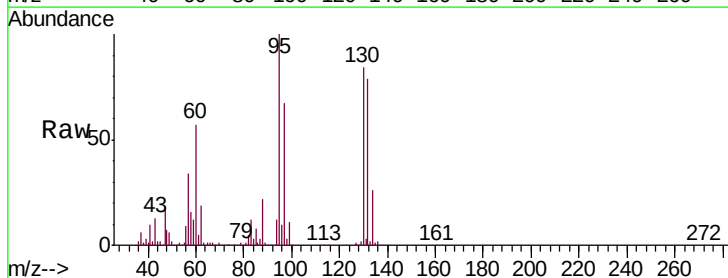
#39
 1,2-Dichloropropane
 Concen: 9.450 ppbv
 RT: 7.57
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 15 Dec 2021 10:16

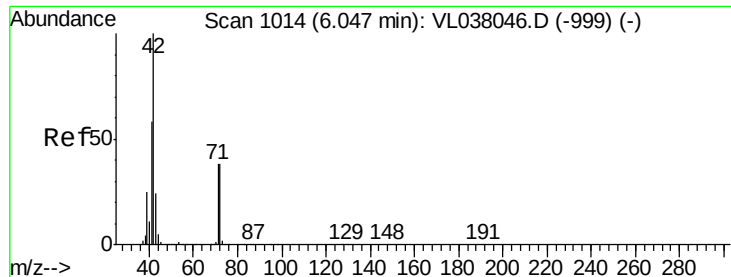
Tot Ion:	63	Resp:	941945
Ion	Ratio	Lower	Upper
63	100		
41	76.5	52.3	78.5
62	68.9	55.1	82.7



#40
 1,4-Dioxane
 Concen: 8.850 ppbv
 RT: 7.79 min Scan# 1557
 Delta R.T. -0.04 min
 Lab File: VL038182.D
 Acq: 15 Dec 2021 10:16

Tgt Ion:	88	Resp:	229833
Ion	Ratio	Lower	Upper
88	100		
58	0.0	229.2	343.8#
43	0.0	553.3	829.9#
57	0.0	2513.8	3770.8#





#41

Tetrahydrofuran

Concen: 9.225 ppbv

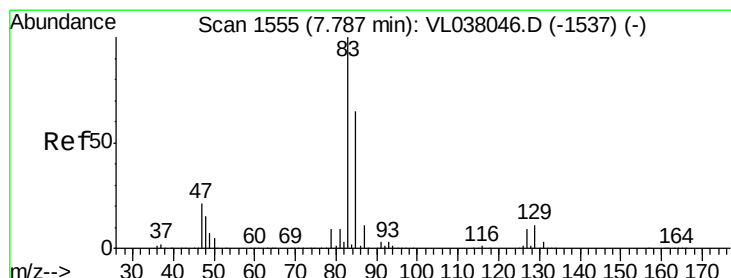
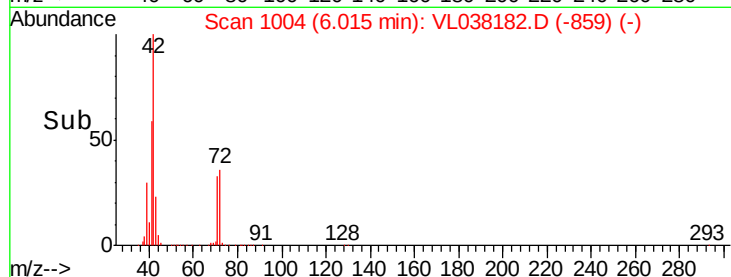
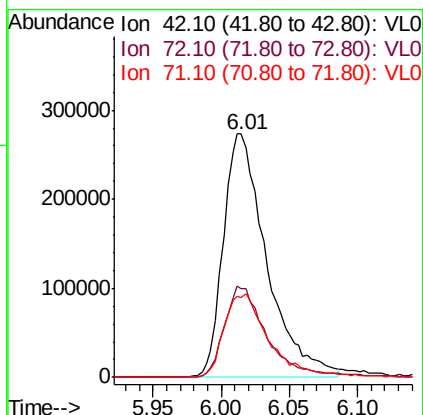
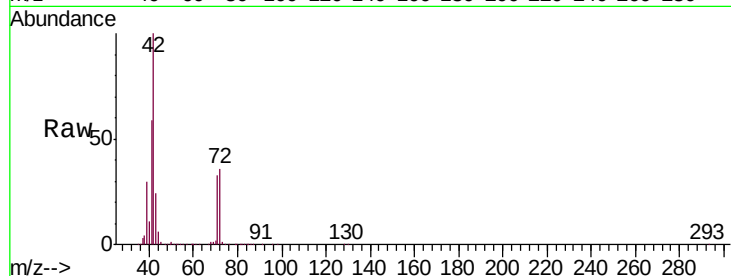
RT: 6.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 15 Dec 2021 10:10

Tot Ion:	42	Resp:	601497
Ion	Ratio	Lower	Upper
42	100		
72	37.5	31.7	47.5
71	36.0	30.6	46.0



#42

Bromodichloromethane

Concen: 10.599 ppbv

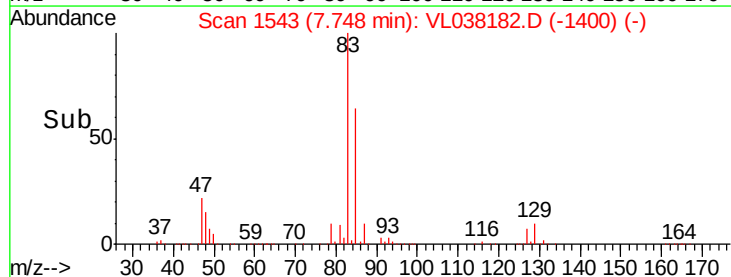
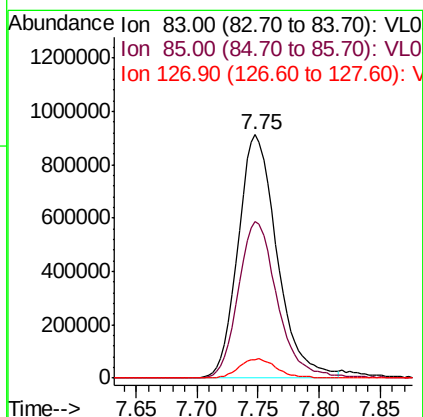
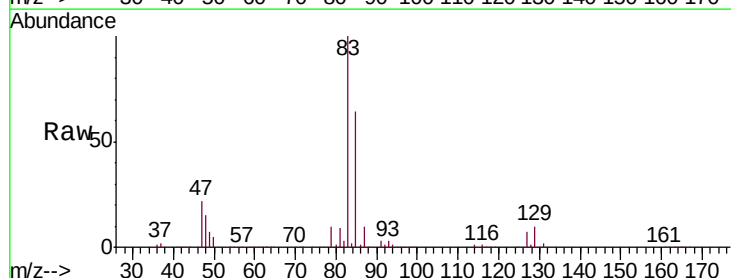
RT: 7.75 min Scan# 1543

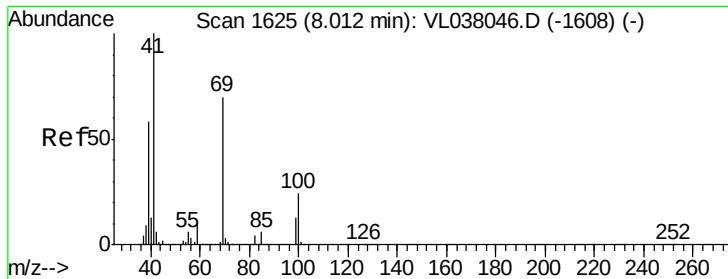
Delta R.T. -0.04 min

Lab File: VL038182.D

Acq: 15 Dec 2021 10:16

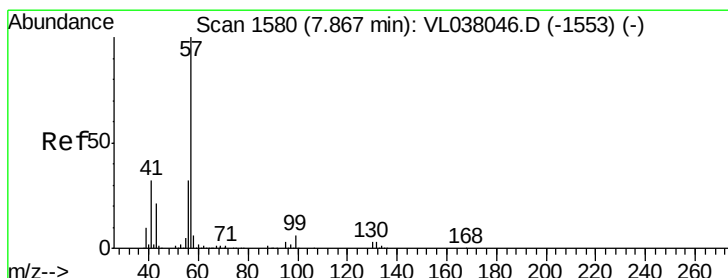
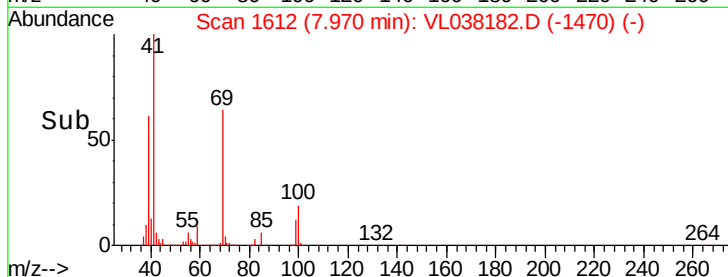
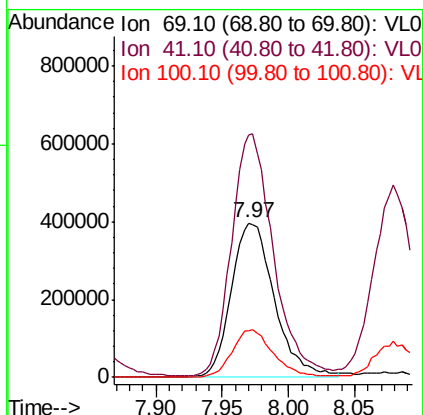
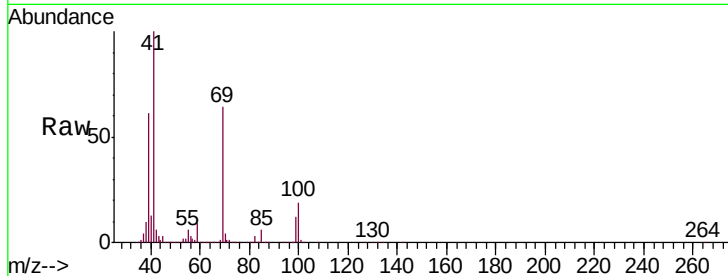
Tgt Ion:	83	Resp:	2022148
Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.9	77.9
127	7.4	6.8	10.2





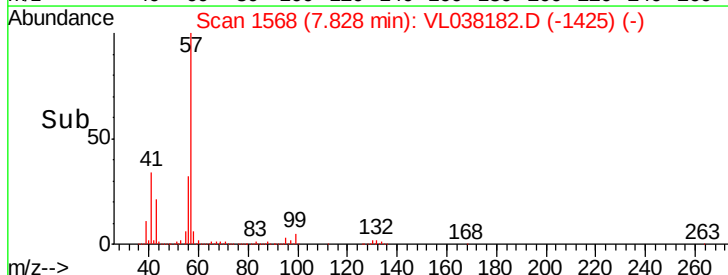
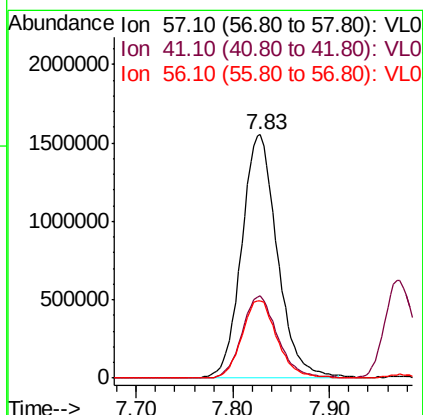
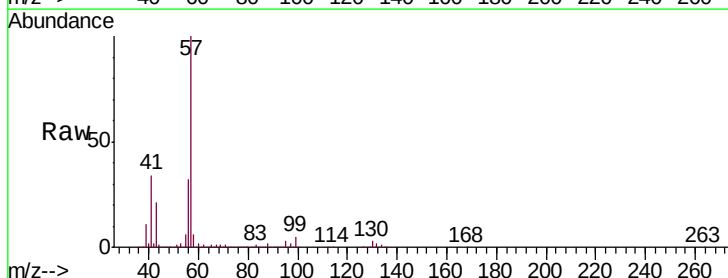
#43
 Methvl Methacrylate
 Concen: 10.064 ppbv
 RT: 7.97
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 15 Dec 2021 10:10

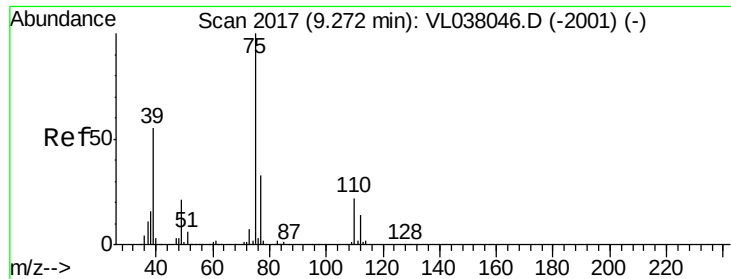
Tot Ion	69	Resp	894725
Ion Ratio	Lower	Upper	
69	100		
41	153.4	116.7	175.1
100	29.8	27.3	40.9



#44
 2,2,4-Trimethylpentane
 Concen: 9.145 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.04 min
 Lab File: VL038182.D
 Acq: 15 Dec 2021 10:16

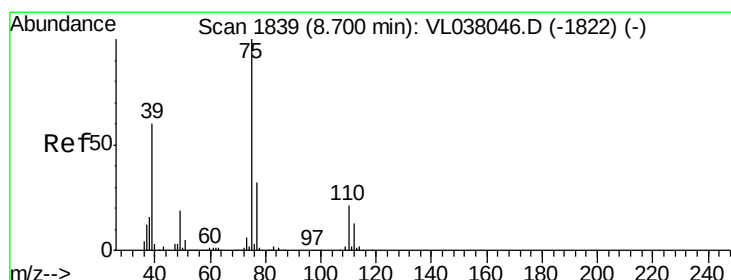
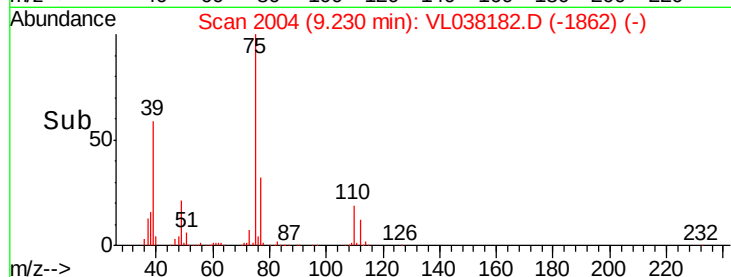
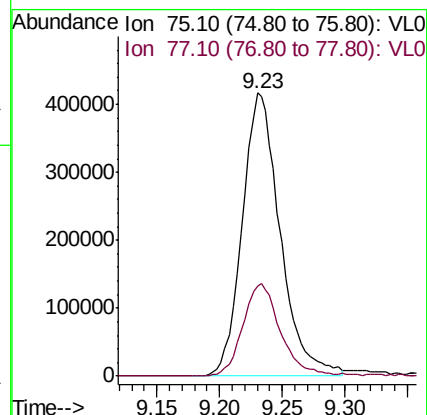
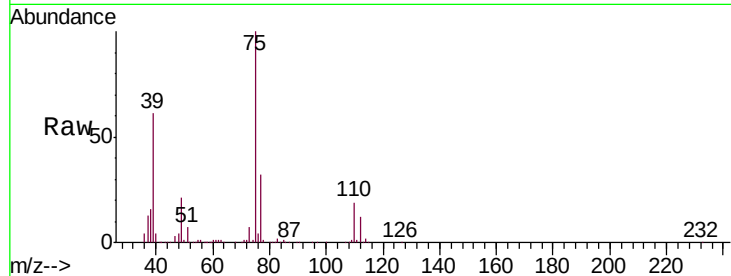
Tgt Ion	57	Resp	3975739
Ion Ratio	Lower	Upper	
57	100		
41	33.6	25.8	38.6
56	31.6	25.6	38.4





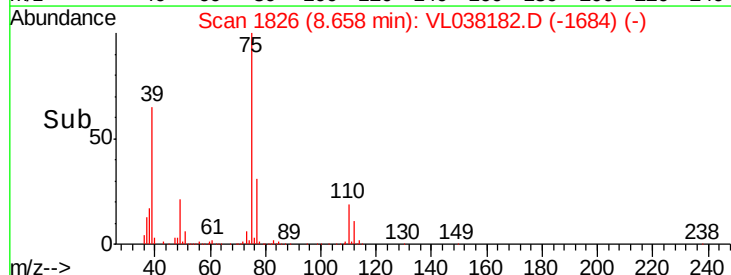
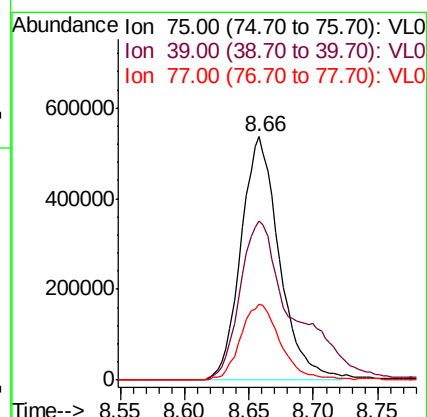
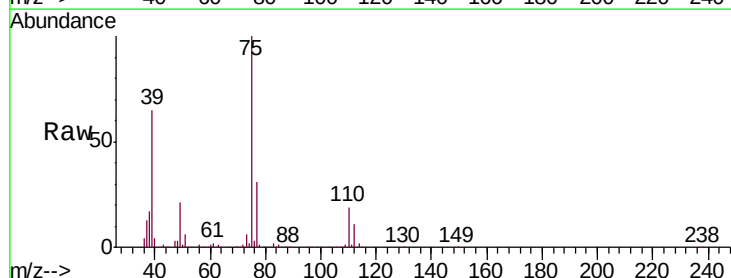
#45
 t-1,3-Dichloropropene
 Concen: 12.282 ppbv
 RT: 9.23
 Instrument : MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 15 Dec 2021 10:10

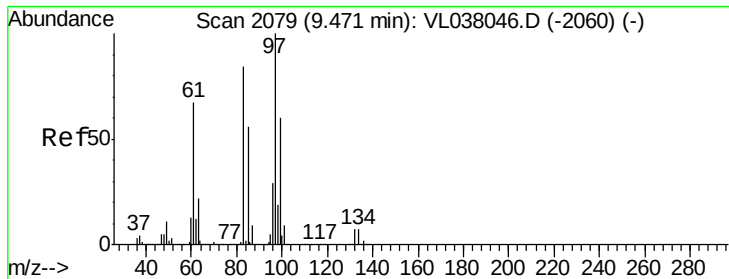
Tot Ion: 75 Resp: 875787
 Ion Ratio Lower Upper
 75 100
 77 32.0 26.2 39.4



#46
 cis-1,3-Dichloropropene
 Concen: 11.552 ppbv
 RT: 8.66 min Scan# 1826
 Delta R.T. -0.04 min
 Lab File: VL038182.D
 Acq: 15 Dec 2021 10:16

Tgt Ion: 75 Resp: 1114188
 Ion Ratio Lower Upper
 75 100
 39 65.0 47.8 71.8
 77 31.1 25.5 38.3





#47

1,1,2-Trichloroethane

Concen: 9.097 ppbv

RT: 9.43 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 15 Dec 2021 10:16

Tot Ion: 97 Resp: 949725

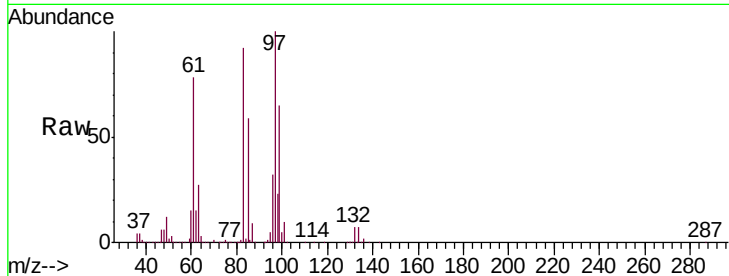
Ion Ratio Lower Upper

97 100

83 91.7 66.8 100.2

85 58.9 44.9 67.3

99 64.6 48.0 72.0

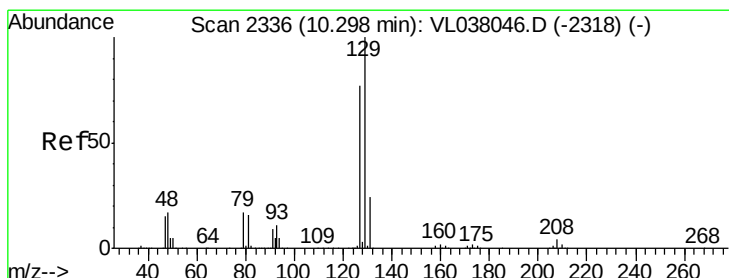
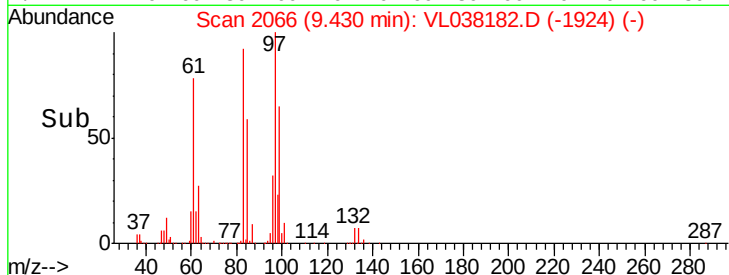
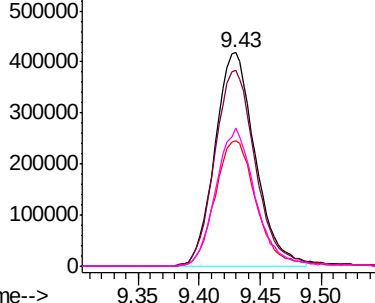


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 10.314 ppbv

RT: 10.26 min Scan# 2323

Delta R.T. -0.04 min

Lab File: VL038182.D

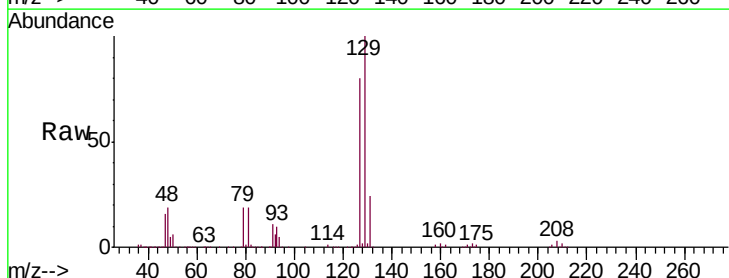
Acq: 15 Dec 2021 10:16

Tgt Ion: 129 Resp: 1639692

Ion Ratio Lower Upper

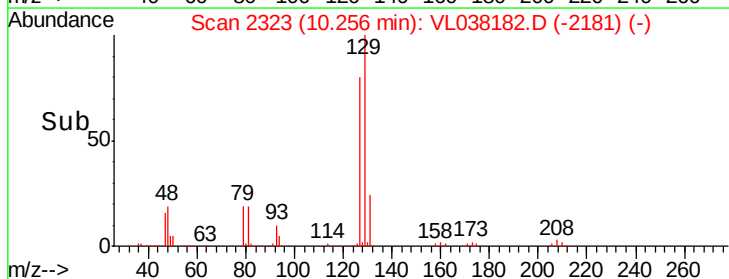
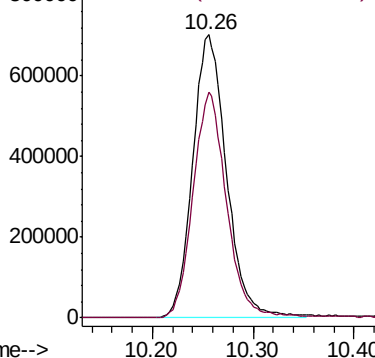
129 100

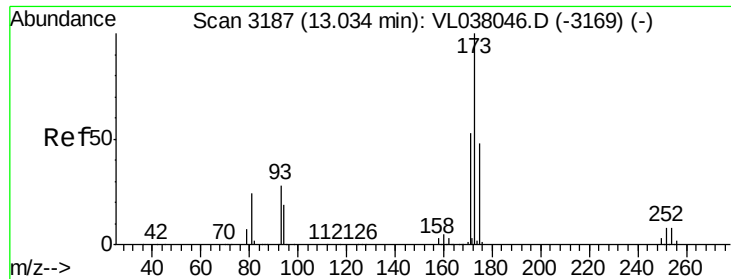
127 79.7 39.4 118.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.105 ppbv

RT: 12.99

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 15 Dec 2021 10:16

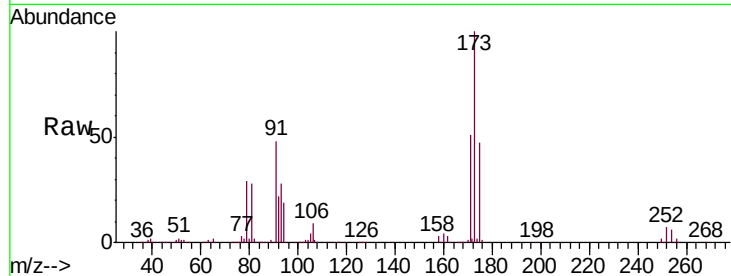
Tot Ion:173 Resp: 1263041

Ion Ratio Lower Upper

173 100

175 50.5 42.5 63.7

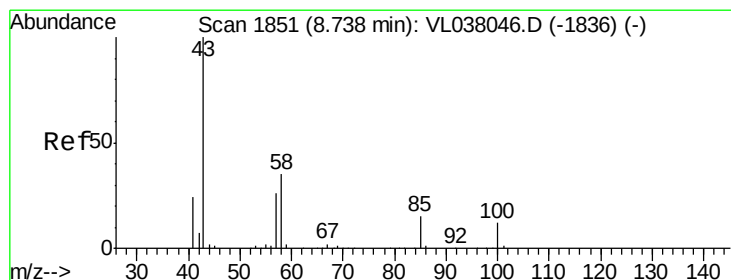
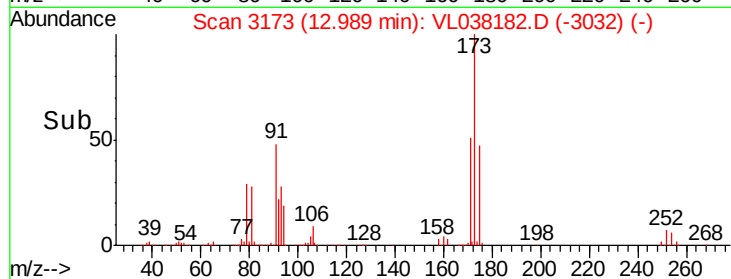
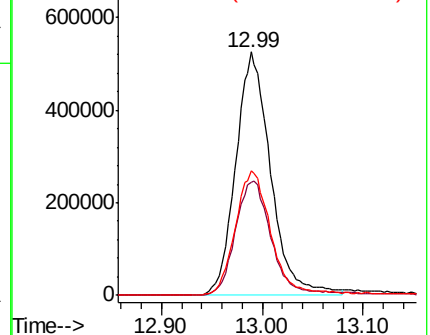
171 54.3 44.0 66.0



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: 10.347 ppbv

RT: 8.70 min Scan# 1839

Delta R.T. -0.04 min

Lab File: VL038182.D

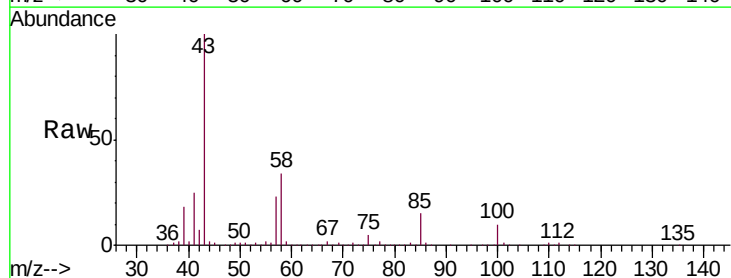
Acq: 15 Dec 2021 10:16

Tgt Ion: 43 Resp: 1650482

Ion Ratio Lower Upper

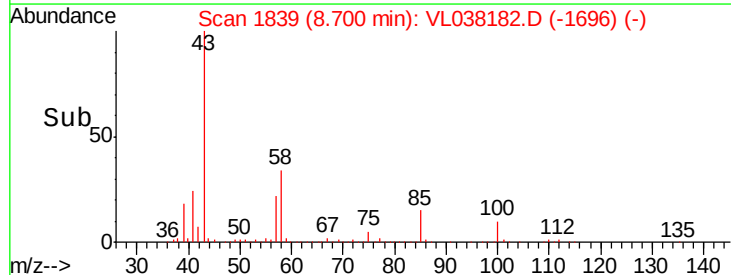
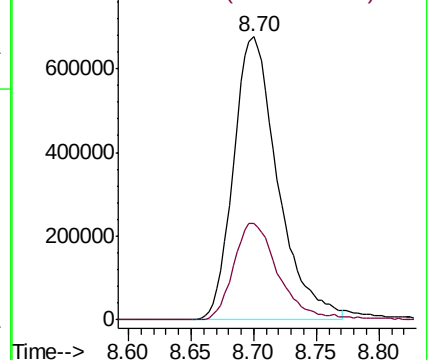
43 100

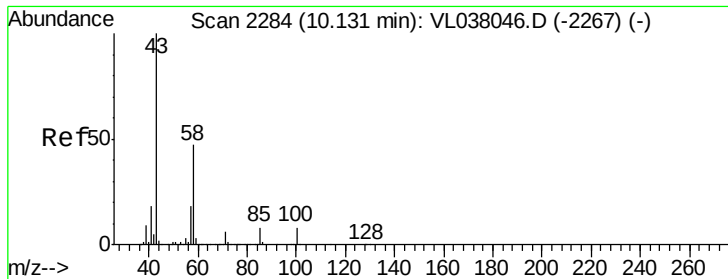
58 35.4 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

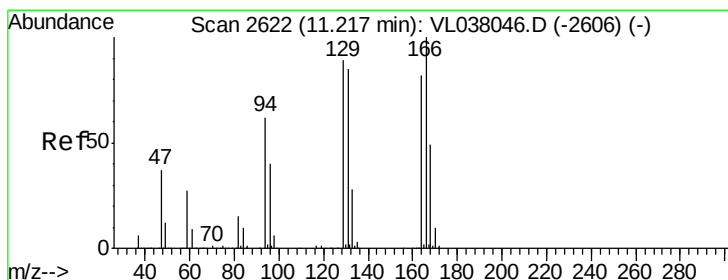
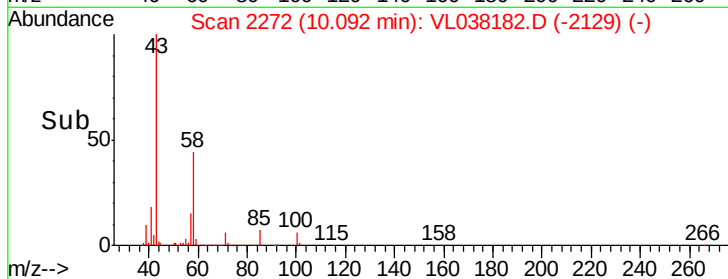
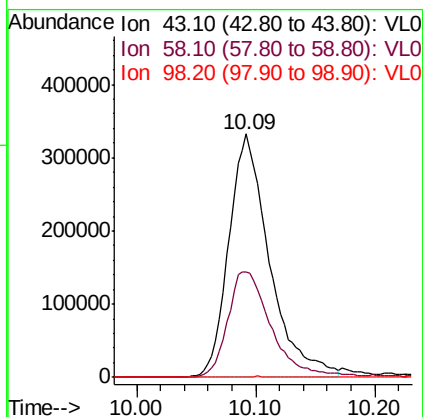
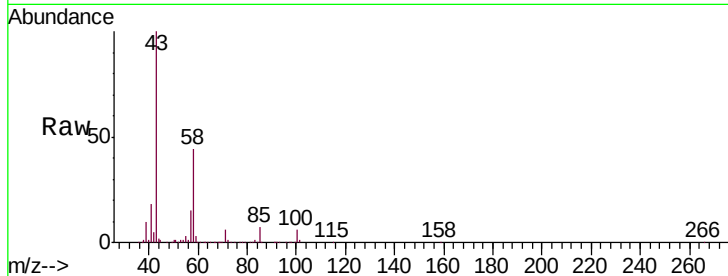
Ion 58.10 (57.80 to 58.80): VL0





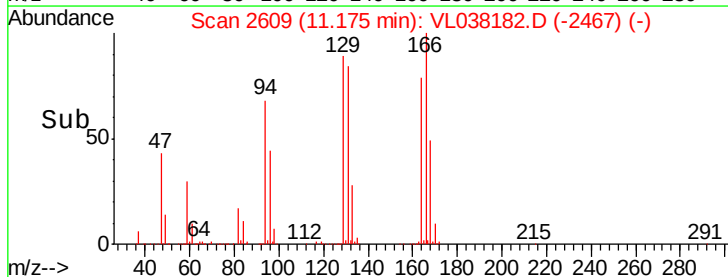
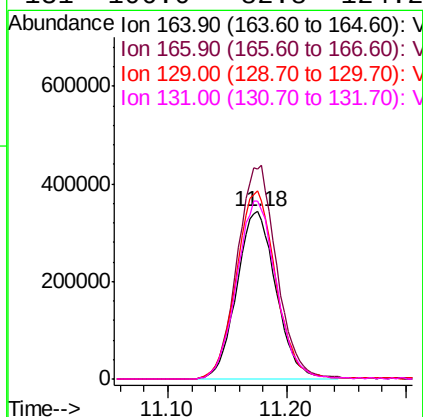
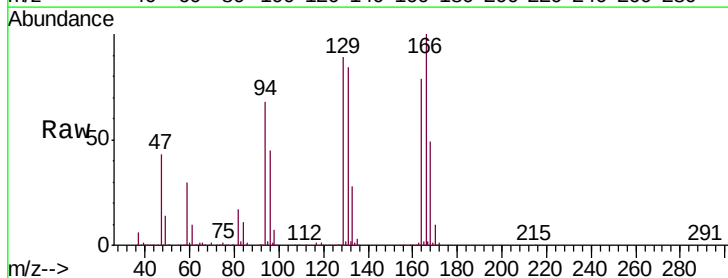
#51
2-Hexanone
Concen: 10.446 ppbv
RT: 10.09 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 15 Dec 2021 10:16

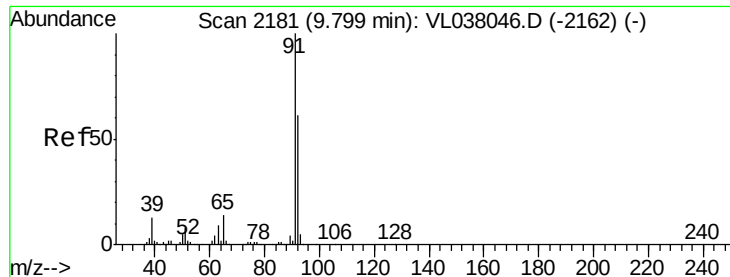
Tot Ion	Ratio	Lower	Upper
43	100		
58	47.0	41.1	61.7
98	0.5	0.1	0.1#



#52
Tetrachloroethene
Concen: 8.162 ppbv
RT: 11.18 min Scan# 2609
Delta R.T.: -0.04 min
Lab File: VL038182.D
Acq: 15 Dec 2021 10:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.8	97.2	145.8
129	112.2	86.9	130.3
131	106.0	82.8	124.2





#53

Toluene

Concen: 9.057 ppbv

RT: 9.76 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

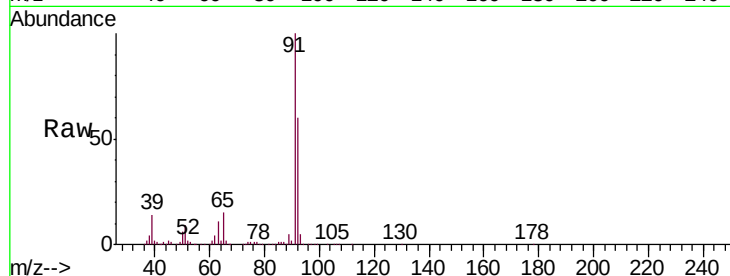
Acq: 15 Dec 2021 10:10

Tot Ion: 91 Resp: 2707854

Ion Ratio Lower Upper

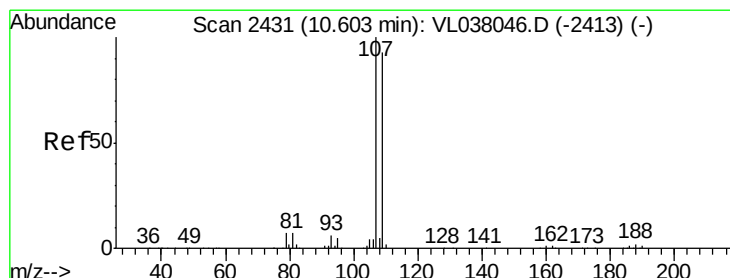
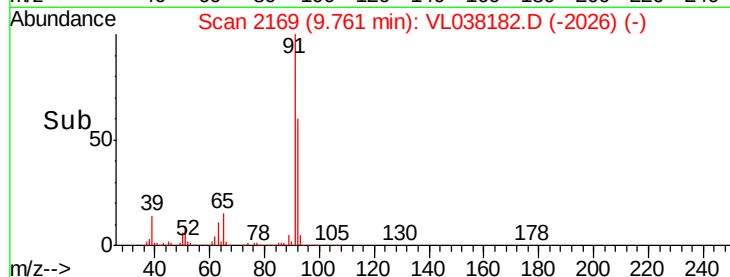
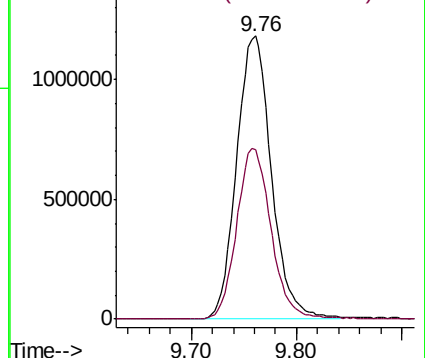
91 100

92 59.9 49.7 74.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 9.711 ppbv

RT: 10.56 min Scan# 2418

Delta R.T. -0.04 min

Lab File: VL038182.D

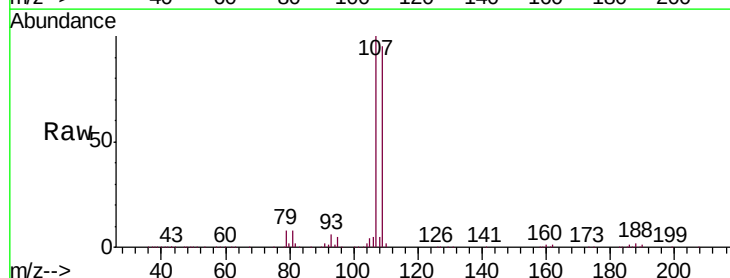
Acq: 15 Dec 2021 10:16

Tgt Ion: 107 Resp: 1431971

Ion Ratio Lower Upper

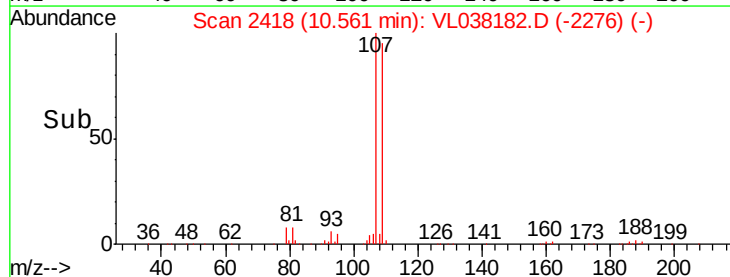
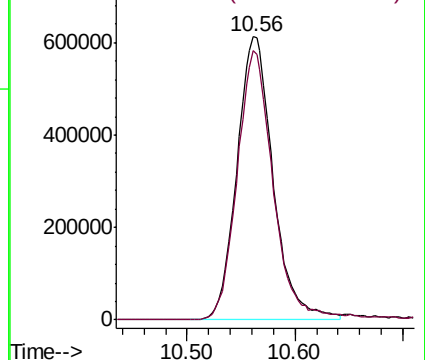
107 100

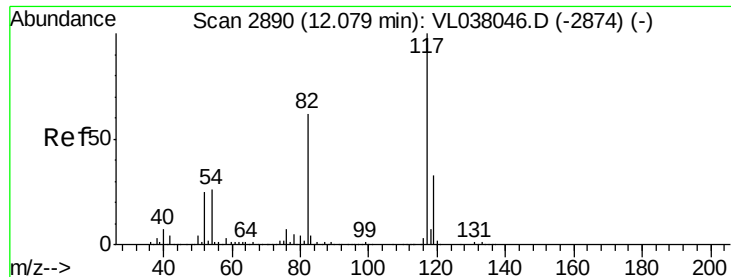
109 95.0 74.6 111.8



Abundance Ion 107.00 (106.70 to 107.70): V

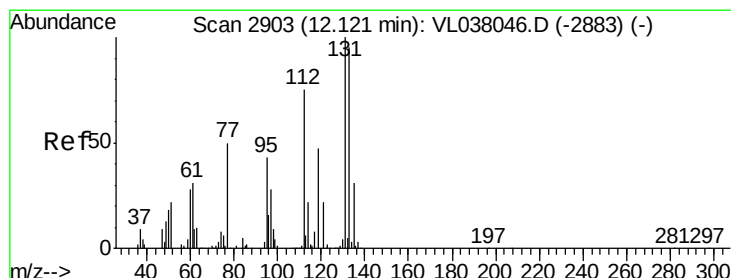
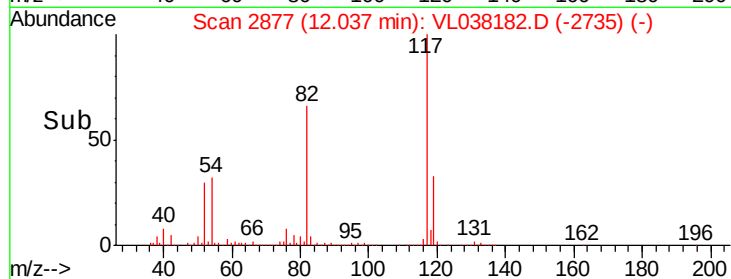
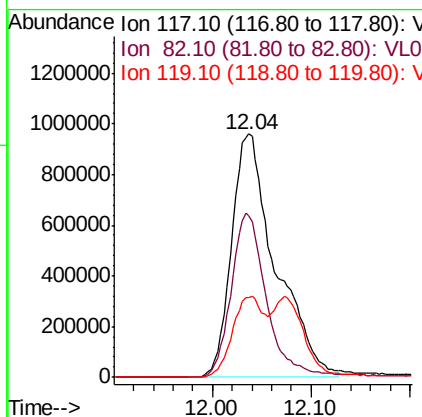
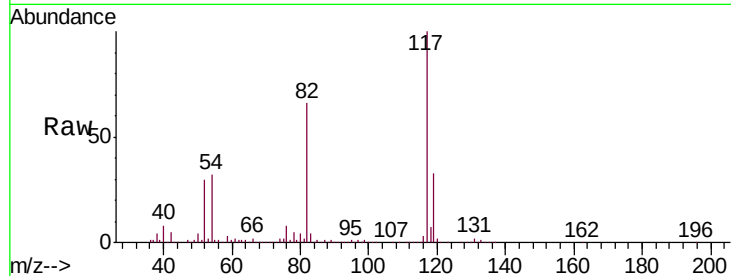
Ion 109.00 (108.70 to 109.70): V





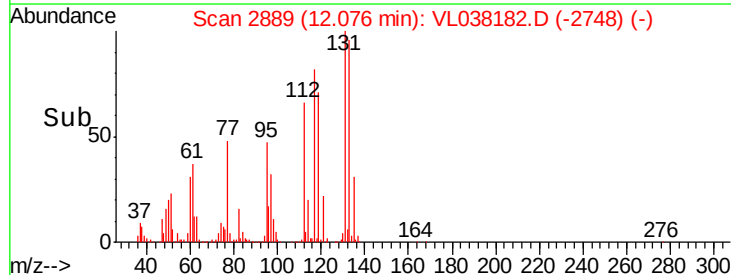
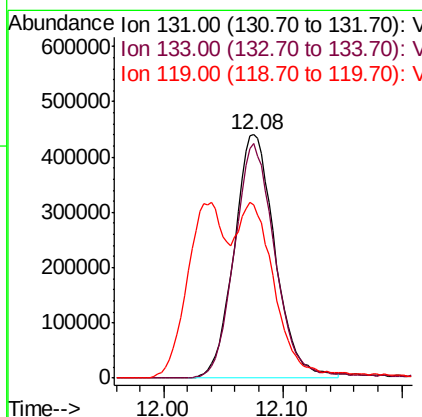
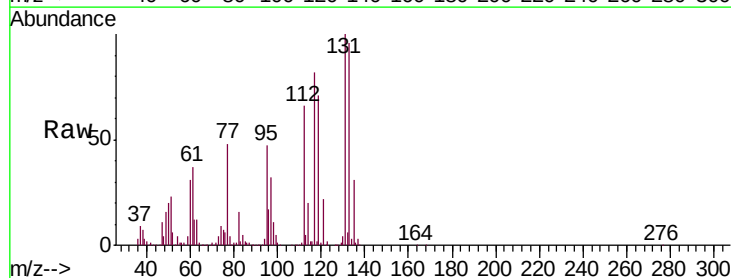
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.04 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 15 Dec 2021 10:10

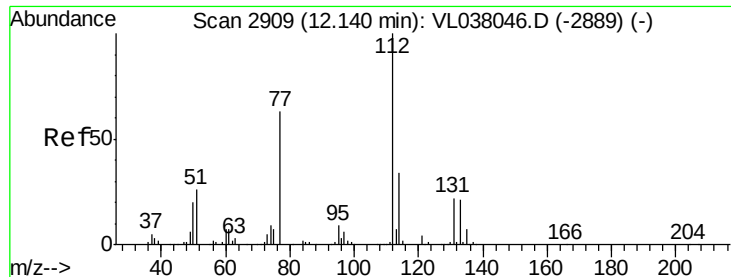
Tot Ion:117 Resp: 2985033
Ion Ratio Lower Upper
117 100
82 55.8 52.8 79.2
119 24.2 26.8 40.2#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.701 ppbv
RT: 12.08 min Scan# 2889
Delta R.T. -0.05 min
Lab File: VL038182.D
Acq: 15 Dec 2021 10:16

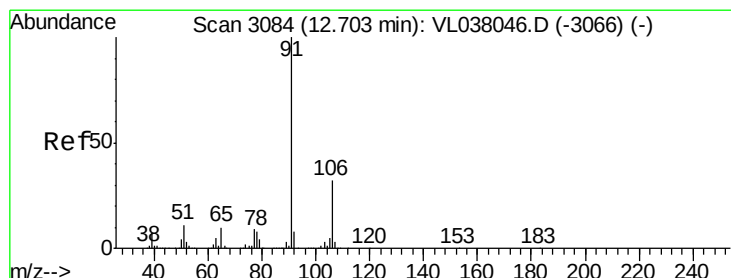
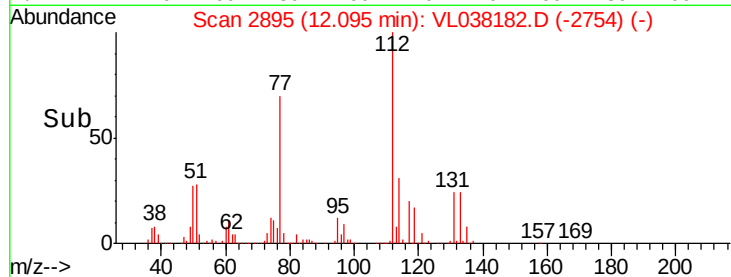
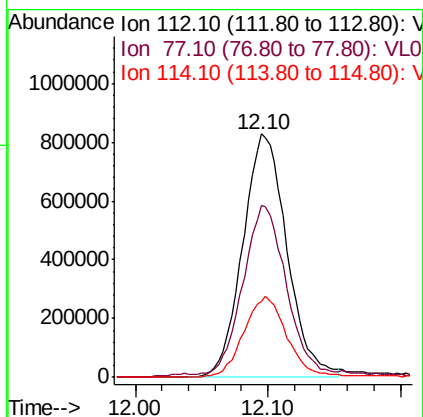
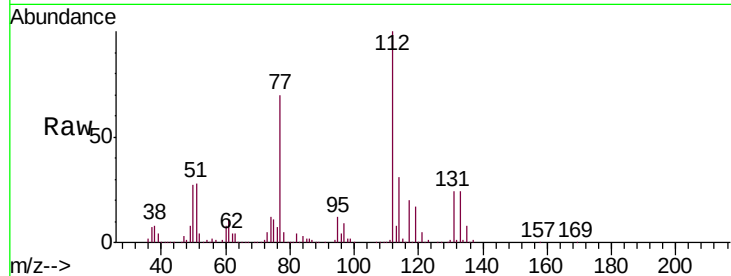
Tgt Ion:131 Resp: 1043520
Ion Ratio Lower Upper
131 100
133 98.0 78.8 118.2
119 74.3 56.3 84.5





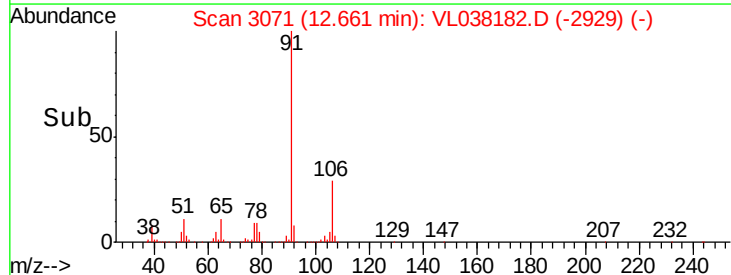
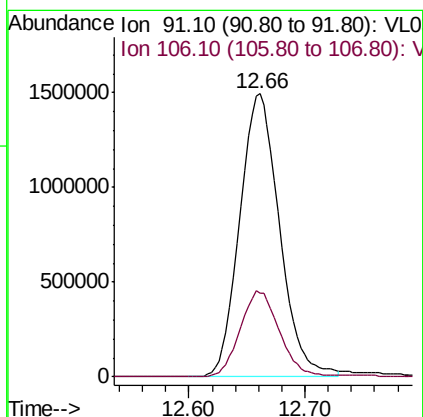
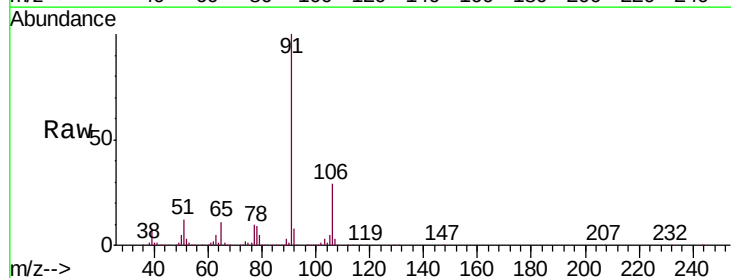
#57
Chlorobenzene
Concen: 7.160 ppbv
RT: 12.10 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 15 Dec 2021 10:10

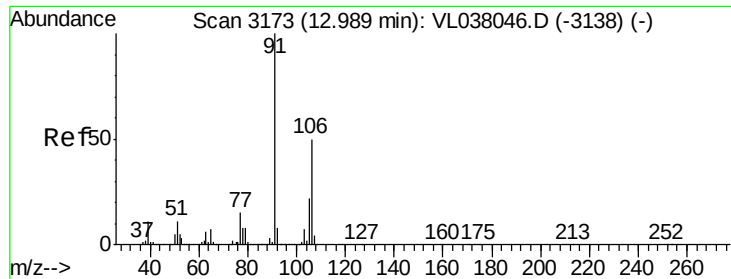
Tot Ion: 112 Resp: 1915540
Ion Ratio Lower Upper
112 100
77 69.2 50.3 75.5
114 31.2 30.7 37.5



#58
Ethyl Benzene
Concen: 7.234 ppbv
RT: 12.66 min Scan# 3071
Delta R.T. -0.04 min
Lab File: VL038182.D
Acq: 15 Dec 2021 10:16

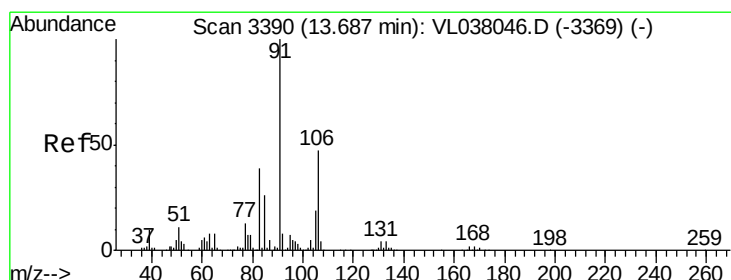
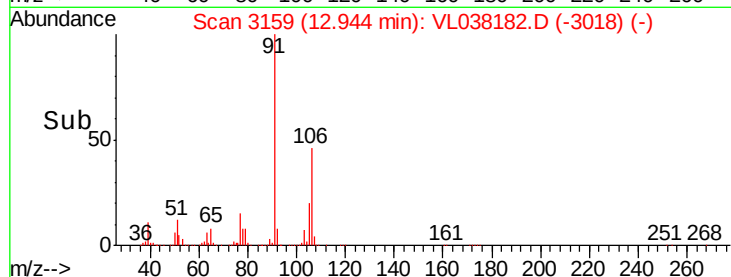
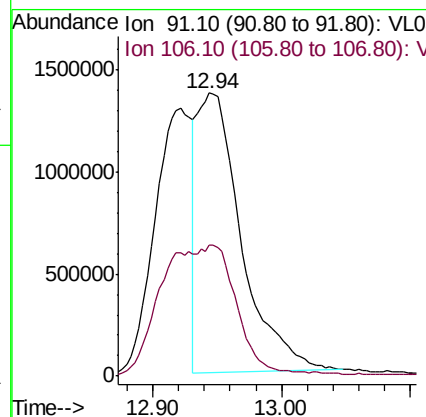
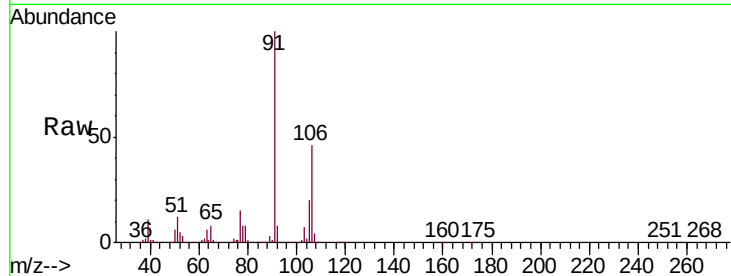
Tgt Ion: 91 Resp: 3569074
Ion Ratio Lower Upper
91 100
106 29.4 25.8 38.6





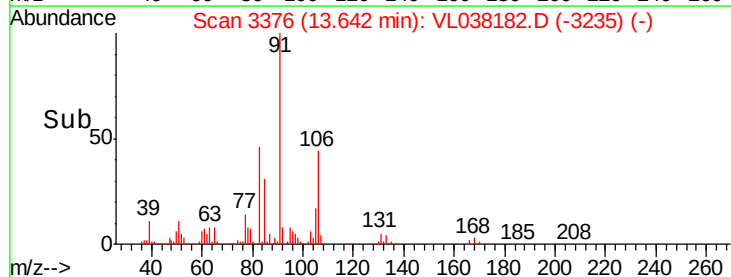
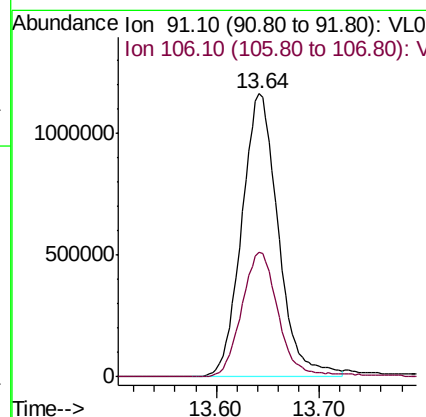
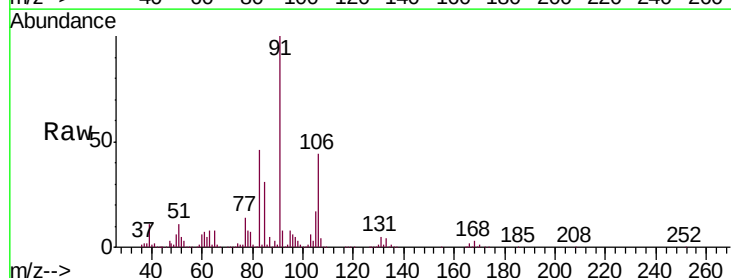
#59
m/p-Xylene
Concen: 7.819 ppbv
RT: 12.94
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 15 Dec 2021 10:10

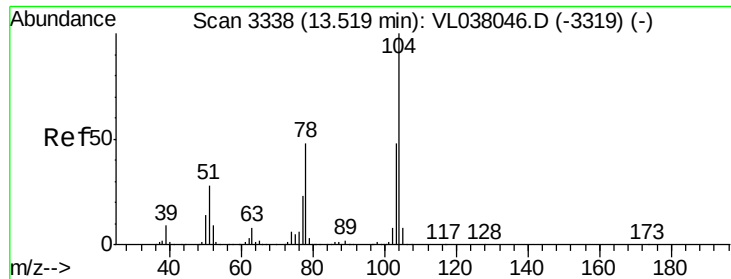
Tot Ion: 91 Resp: 3247178
Ion Ratio Lower Upper
91 100
106 81.9 38.1 57.1#



#60
o-Xylene
Concen: 7.403 ppbv
RT: 13.64 min Scan# 3376
Delta R.T. -0.05 min
Lab File: VL038182.D
Acq: 15 Dec 2021 10:16

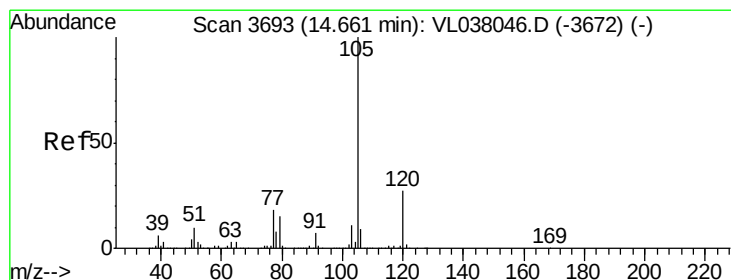
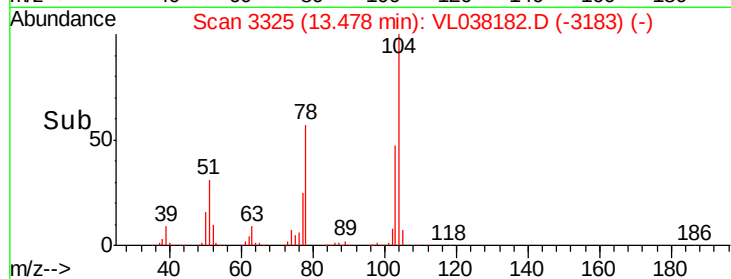
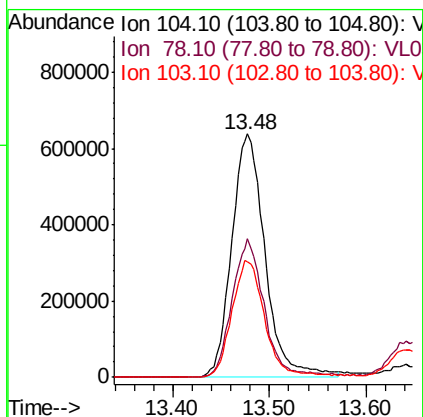
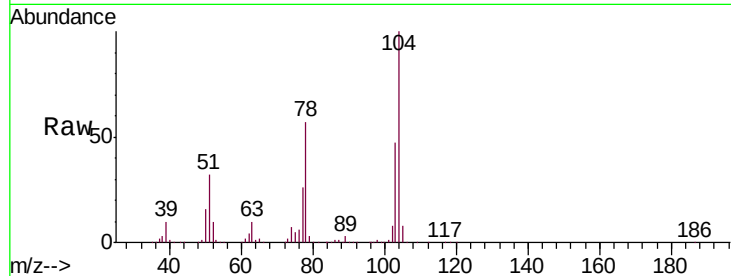
Tgt Ion: 91 Resp: 2852175
Ion Ratio Lower Upper
91 100
106 45.3 24.2 72.6





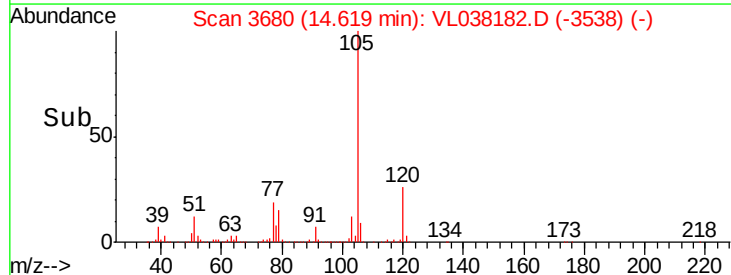
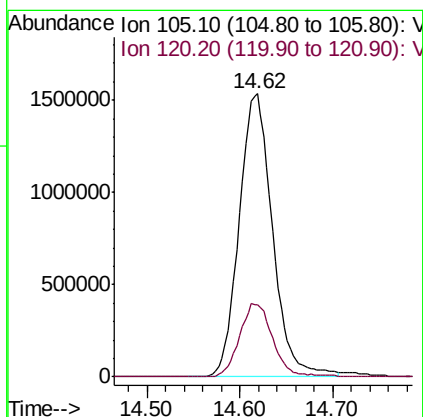
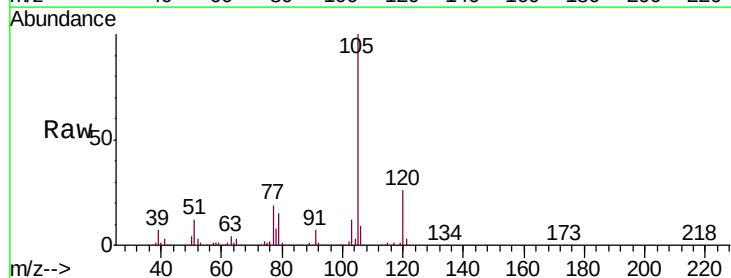
#61
Stvrene
Concen: 7.398 ppbv
RT: 13.48
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 15 Dec 2021 10:10

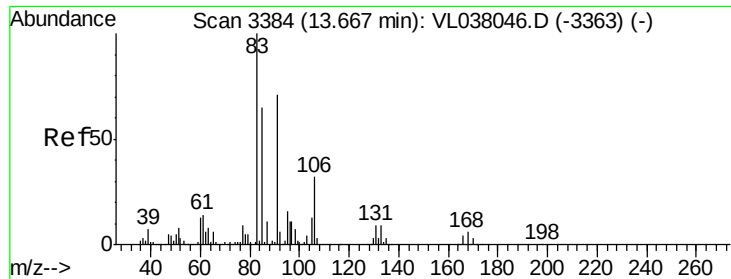
Tot Ion:104 Resp: 1528056
Ion Ratio Lower Upper
104 100
78 55.6 39.8 59.6
103 47.9 38.2 57.2



#62
Isopropylbenzene
Concen: 7.024 ppbv
RT: 14.62 min Scan# 3680
Delta R.T. -0.04 min
Lab File: VL038182.D
Acq: 15 Dec 2021 10:16

Tgt Ion:105 Resp: 3841204
Ion Ratio Lower Upper
105 100
120 26.1 21.8 32.6





#63

1,1,2,2-Tetrachloroethane

Concen: 7.404 ppbv

RT: 13.63

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 15 Dec 2021 10:10

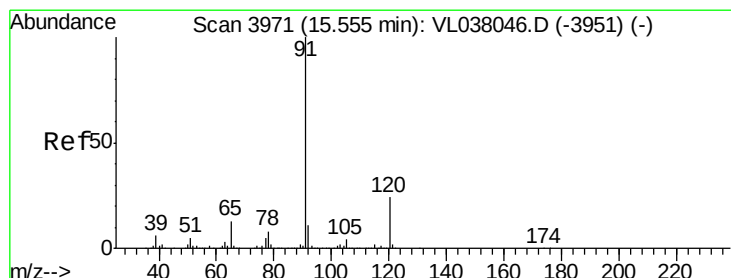
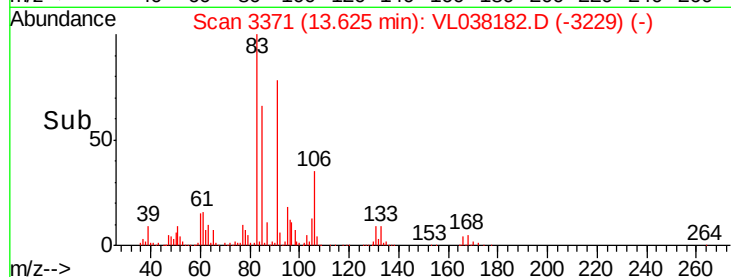
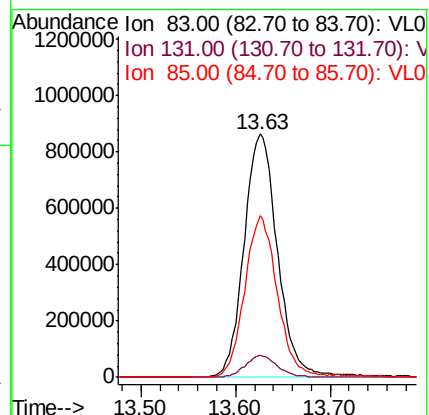
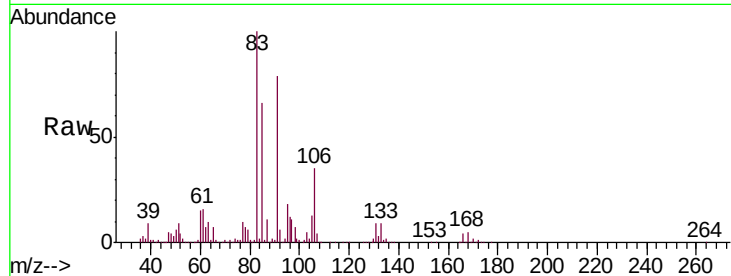
Tot Ion: 83 Resp: 2118967

Ion Ratio Lower Upper

83 100

131 8.9 4.9 14.7

85 66.1 33.4 100.1



#64

n-propylbenzene

Concen: 7.053 ppbv

RT: 15.51 min Scan# 3958

Delta R.T. -0.04 min

Lab File: VL038182.D

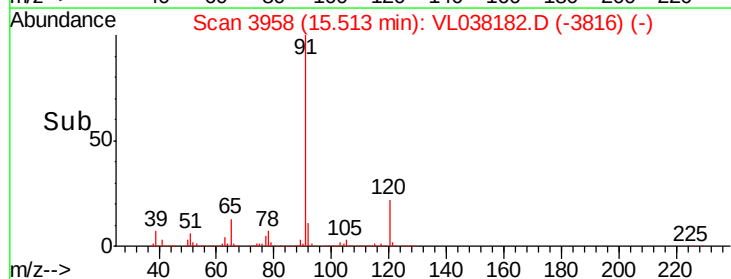
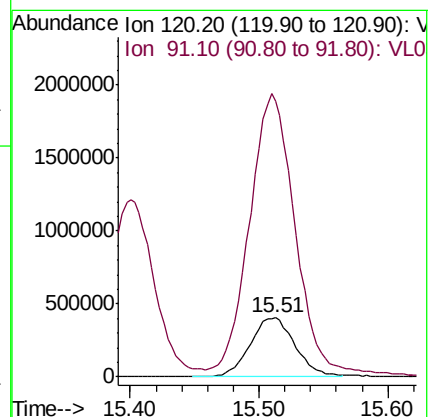
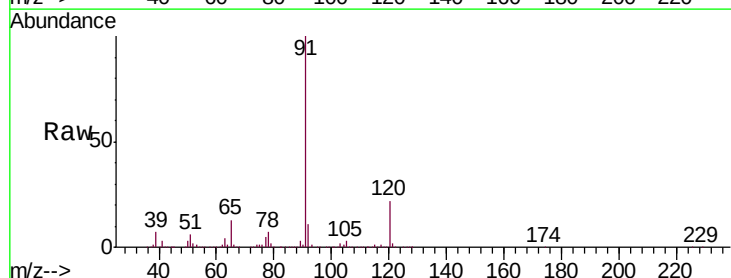
Acq: 15 Dec 2021 10:16

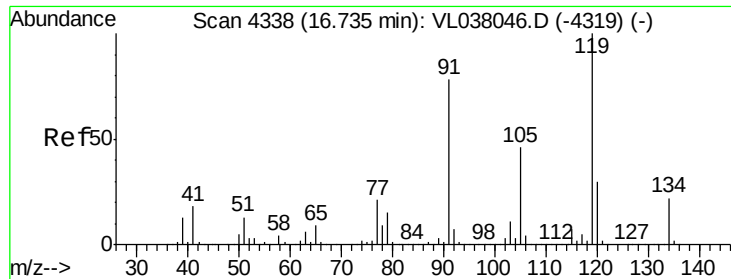
Tgt Ion:120 Resp: 982567

Ion Ratio Lower Upper

120 100

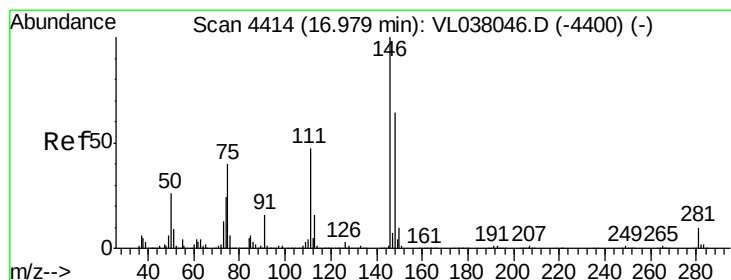
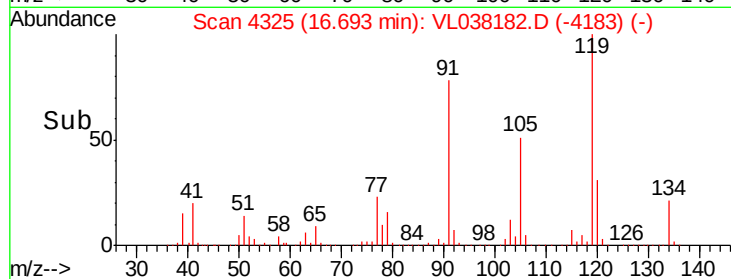
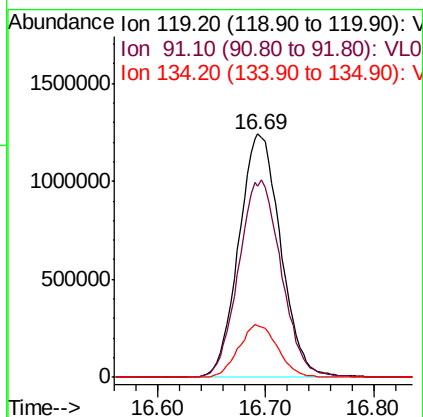
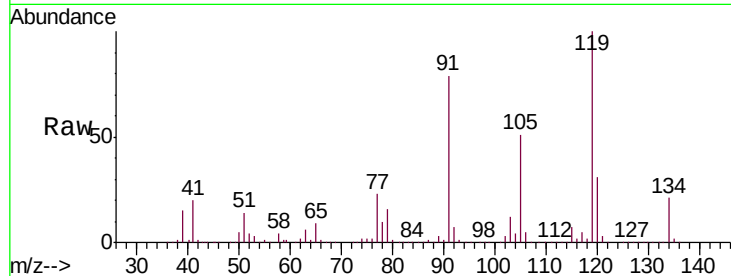
91 495.8 371.7 557.5





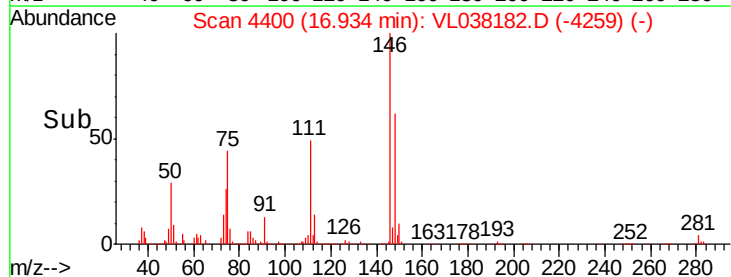
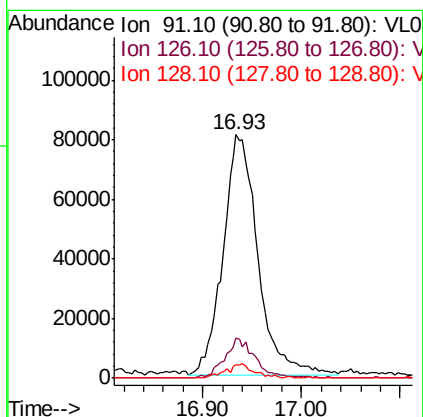
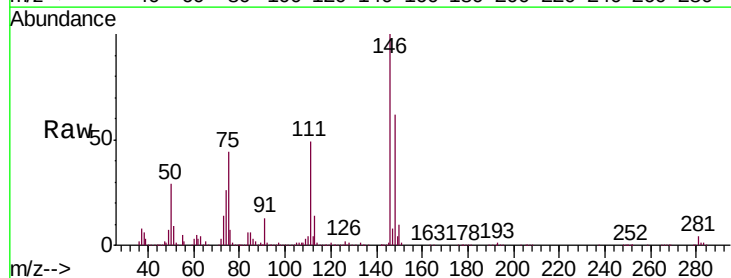
#65
 tert-Butylbenzene
 Concen: 6.939 ppbv
 RT: 16.69 min
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 15 Dec 2021 10:10

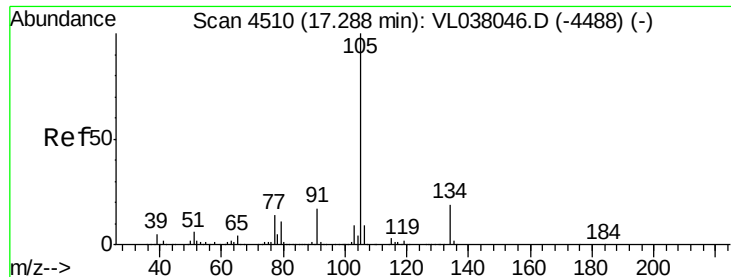
Tot Ion: 119 Resp: 3343243
 Ion Ratio Lower Upper
 119 100
 91 82.8 63.2 94.8
 134 20.3 16.1 24.1



#66
 Benzyl Chloride
 Concen: 8.093 ppbv
 RT: 16.93 min Scan# 4400
 Delta R.T. -0.05 min
 Lab File: VL038182.D
 Acq: 15 Dec 2021 10:16

Tgt Ion: 91 Resp: 197632
 Ion Ratio Lower Upper
 91 100
 126 14.9 15.5 23.3#
 128 5.2 5.6 8.4#





#67

sec-Butylbenzene

Concen: 7.054 ppbv

RT: 17.24

Delta R.T. MSVOA_L

Lab File:

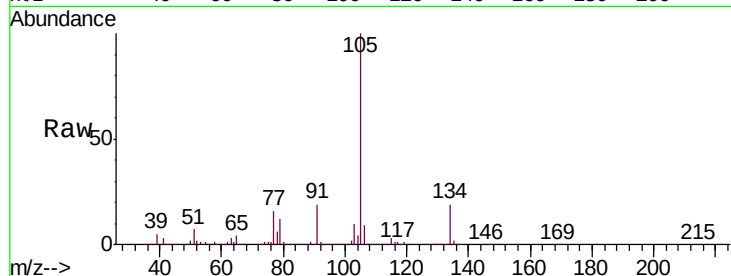
Acq: 15 Dec 2021 10:16

Tot Ion: 105 Resp: 4735859

Ion Ratio Lower Upper

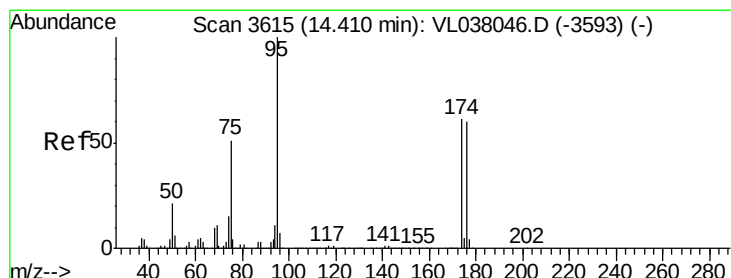
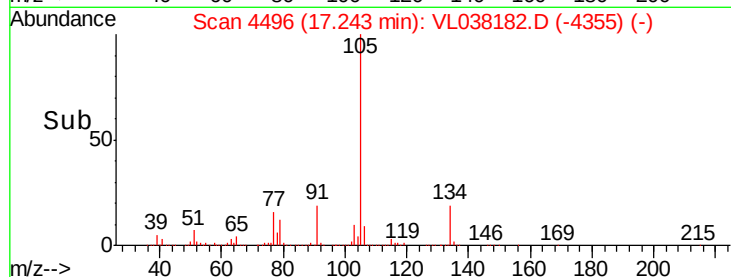
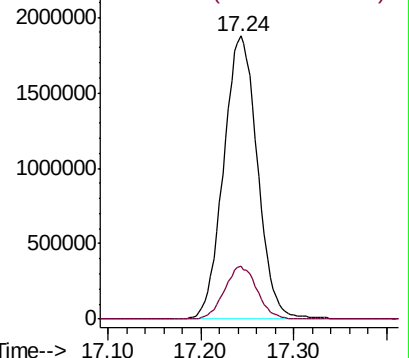
105 100

134 18.2 14.7 22.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.816 ppbv

RT: 14.37 min Scan# 3601

Delta R.T. -0.05 min

Lab File: VL038182.D

Acq: 15 Dec 2021 10:16

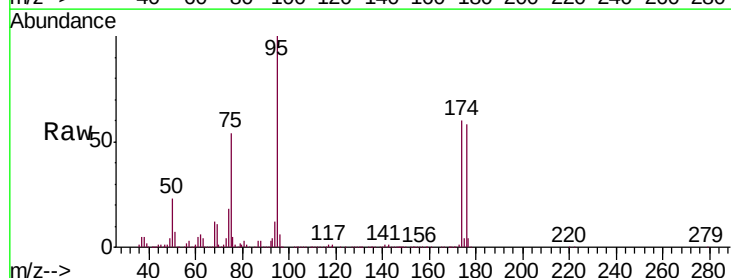
Tgt Ion: 95 Resp: 1898319

Ion Ratio Lower Upper

95 100

174 62.4 53.1 79.7

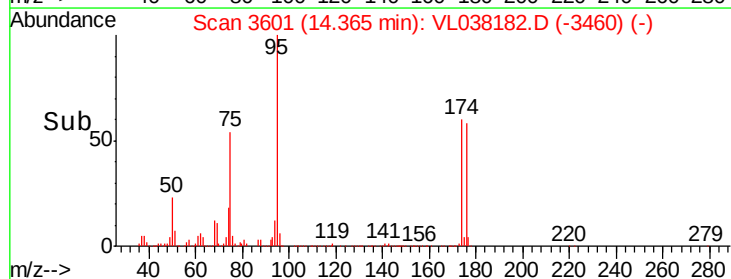
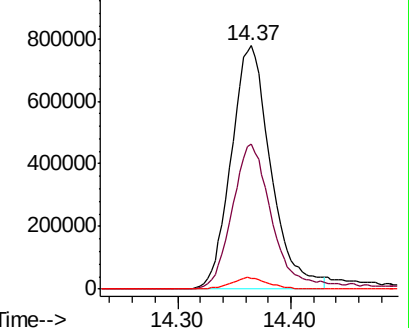
175 4.6 4.0 6.0

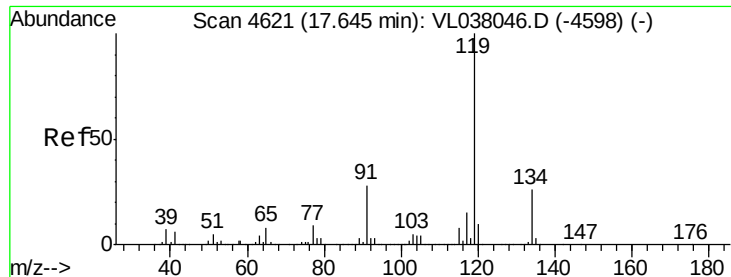


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

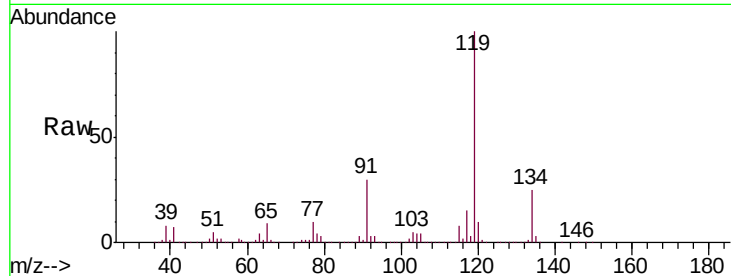
Ion 175.00 (174.70 to 175.70): V



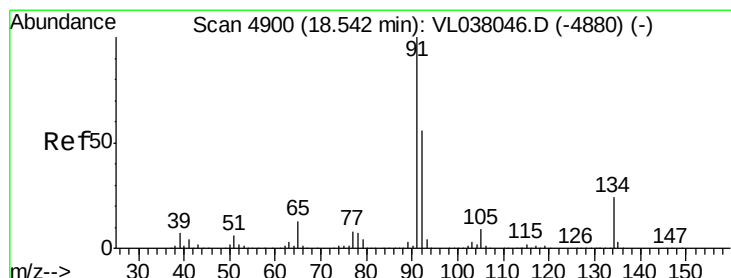
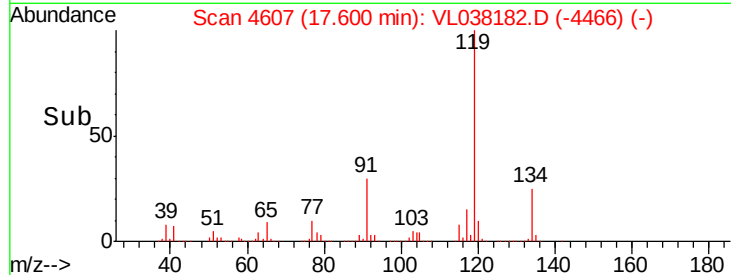
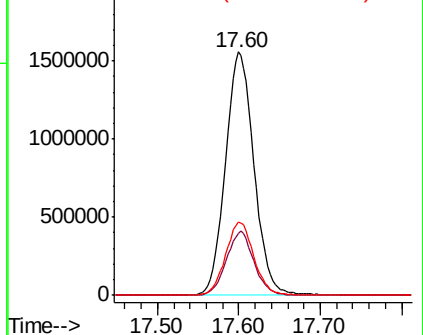


#69
 p-Isopropyltoluene
 Concen: 7.282 ppbv
 RT: 17.60 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 15 Dec 2021 10:16

Tot Ion: 119 Resp: 3824067
 Ion Ratio Lower Upper
 119 100
 134 25.5 20.6 30.8
 91 29.9 22.2 33.4

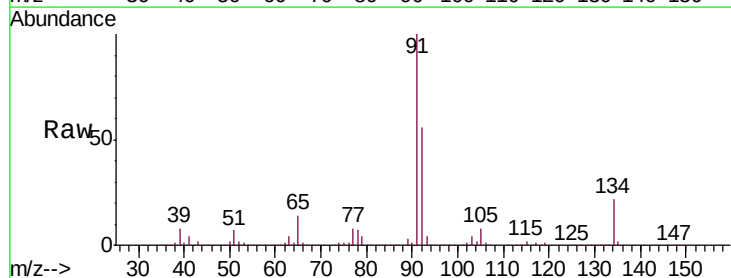


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

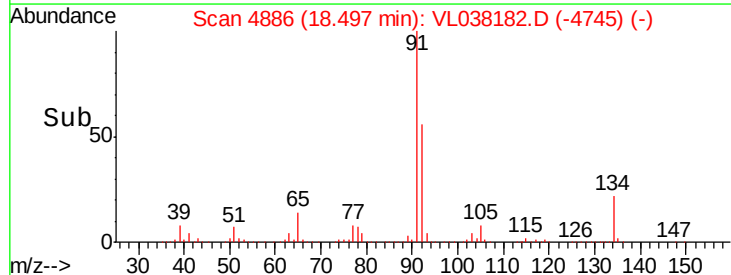
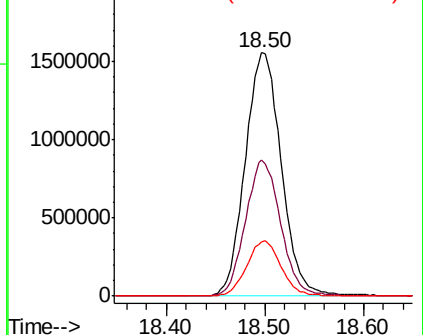


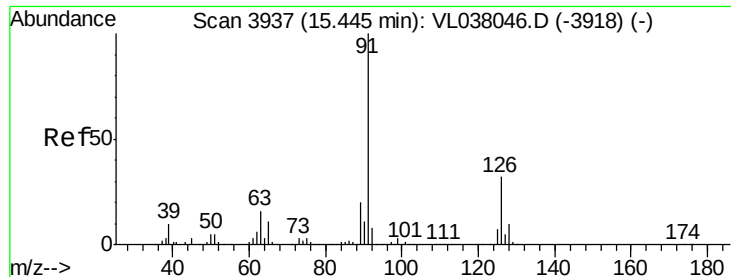
#70
 n-Butylbenzene
 Concen: 7.823 ppbv
 RT: 18.50 min Scan# 4886
 Delta R.T. -0.05 min
 Lab File: VL038182.D
 Acq: 15 Dec 2021 10:16

Tgt Ion: 91 Resp: 3928222
 Ion Ratio Lower Upper
 91 100
 92 54.9 44.1 66.1
 134 22.0 18.9 28.3



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 7.443 ppbv

RT: 15.40

Delta R.T. MSVOA_L

Lab File:

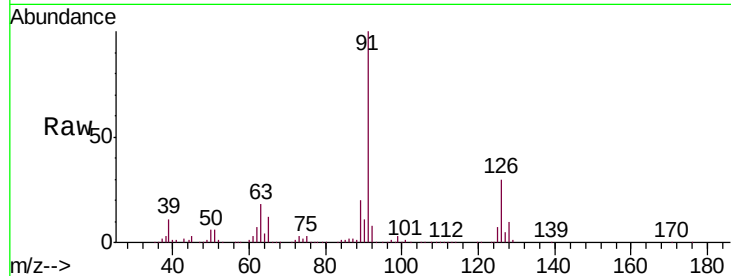
Acq: 15 Dec 2021 10:16

Tot Ion: 91 Resp: 2976137

Ion Ratio Lower Upper

91 100

126 31.2 13.1 52.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

2000000

1500000

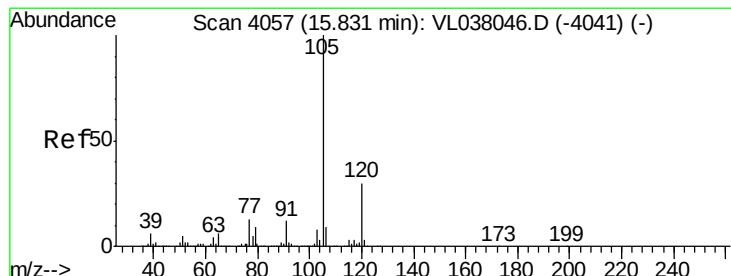
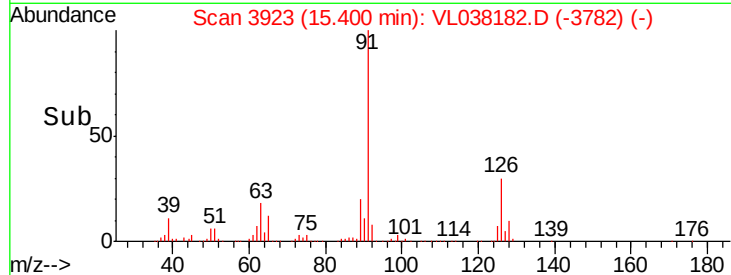
1000000

500000

0

15.30 15.40 15.50

Time-->



#72

4-Ethyltoluene

Concen: 7.317 ppbv

RT: 15.79 min Scan# 4043

Delta R.T. -0.05 min

Lab File: VL038182.D

Acq: 15 Dec 2021 10:16

Tgt Ion: 105 Resp: 3268704

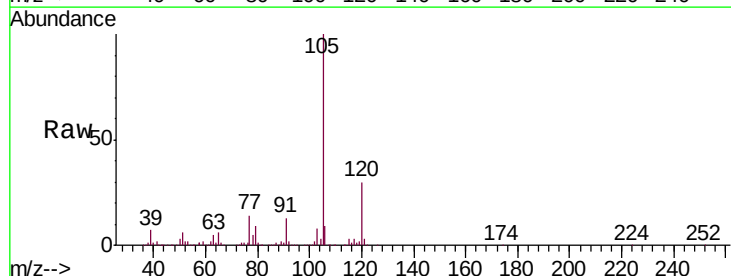
Ion Ratio Lower Upper

105 100

120 30.4 25.1 37.7

91 13.1 9.7 14.5

77 15.0 10.6 16.0



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

2000000

1500000

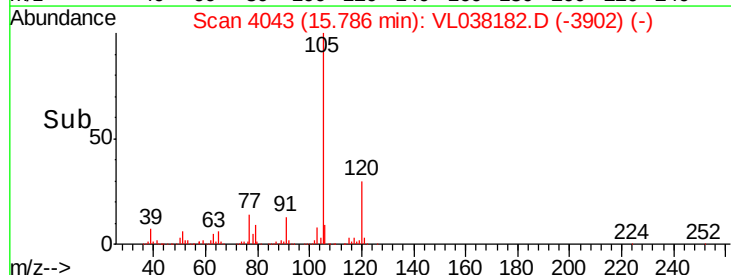
1000000

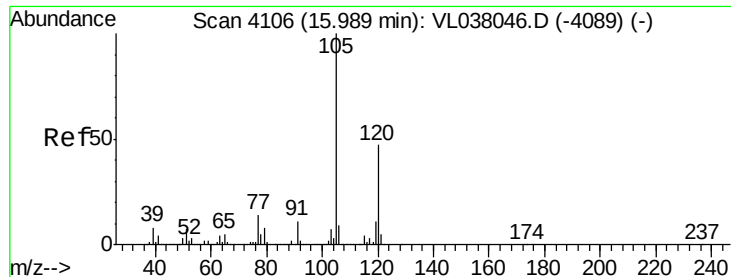
500000

0

15.70 15.80 15.90

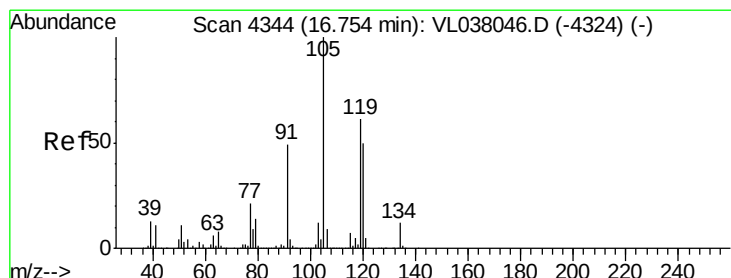
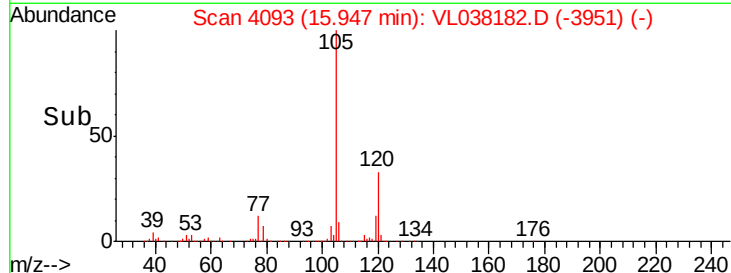
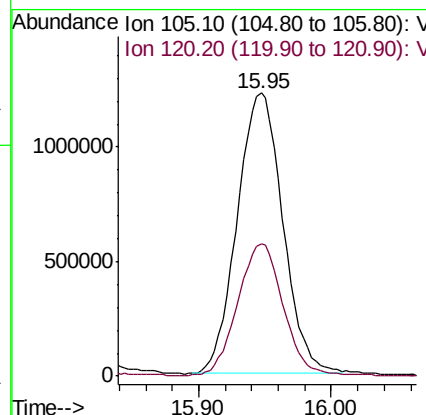
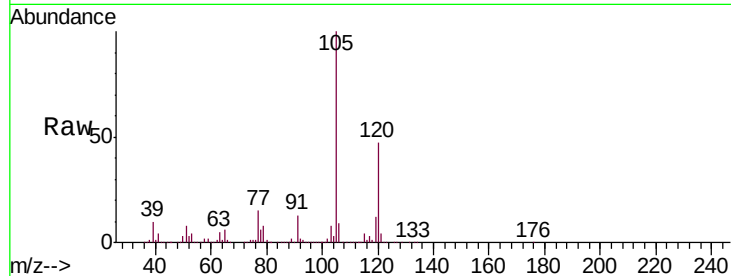
Time-->





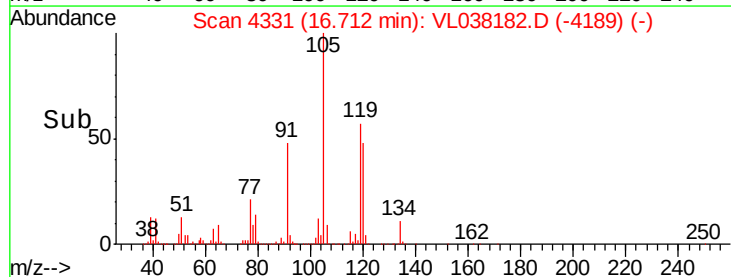
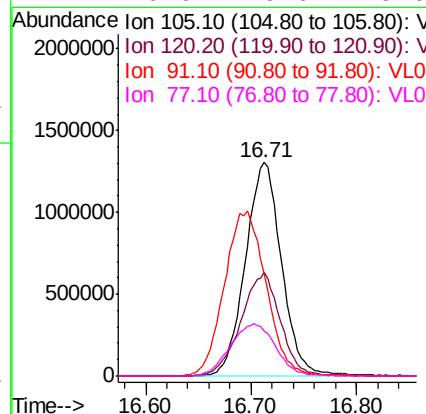
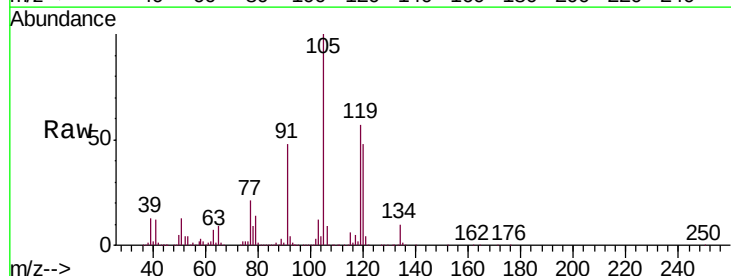
#73
 1,3,5-Trimethylbenzene
 Concen: 7.178 ppbv
 RT: 15.95 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 15 Dec 2021 10:10

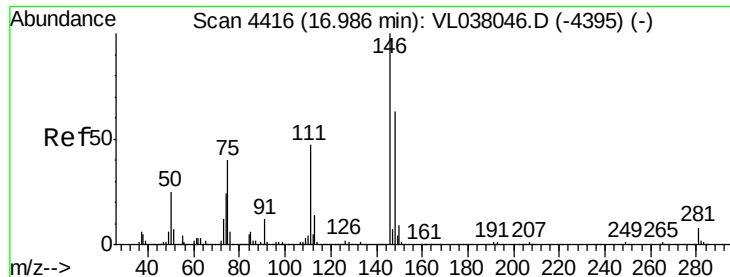
Tot Ion:105 Resp: 2928556
 Ion Ratio Lower Upper
 105 100
 120 46.8 37.8 56.6



#74
 1,2,4-Trimethylbenzene
 Concen: 7.382 ppbv
 RT: 16.71 min Scan# 4331
 Delta R.T.: -0.04 min
 Lab File: VL038182.D
 Acq: 15 Dec 2021 10:16

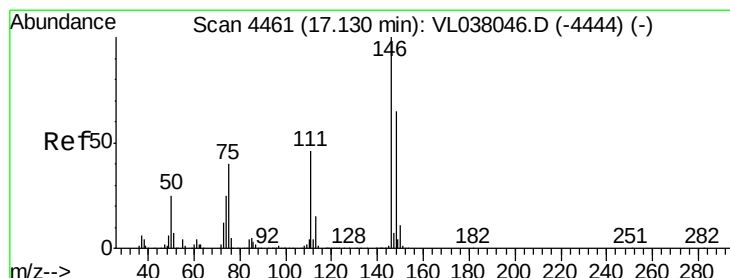
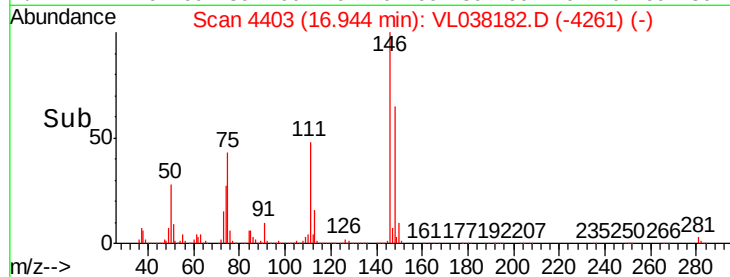
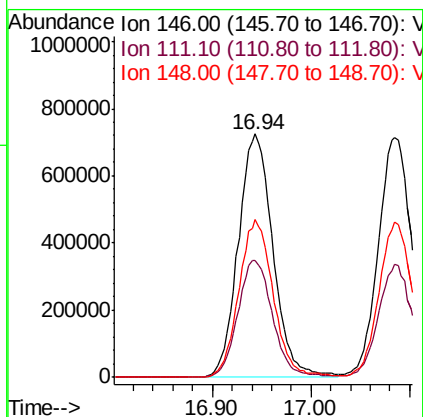
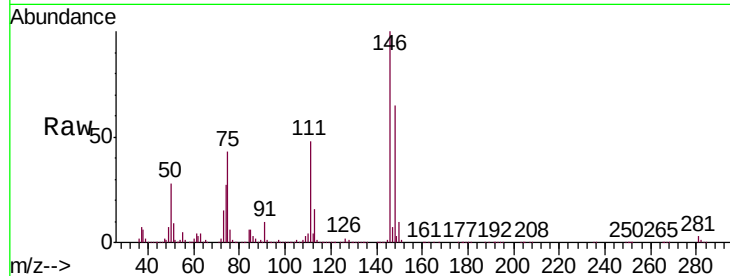
Tgt Ion:105 Resp: 3103475
 Ion Ratio Lower Upper
 105 100
 120 48.2 40.1 60.1
 91 47.6 39.8 59.8
 77 20.9 16.6 25.0





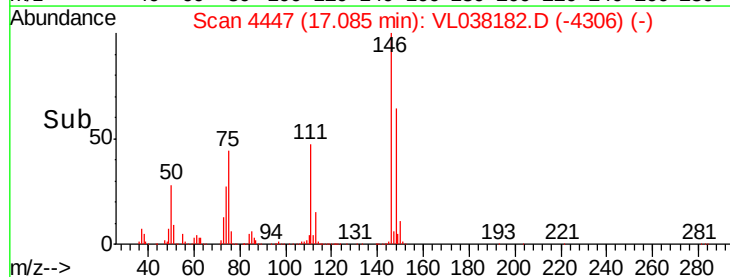
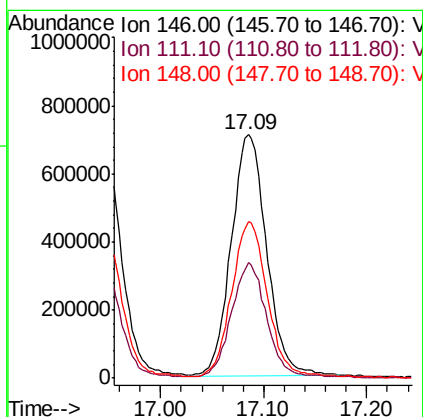
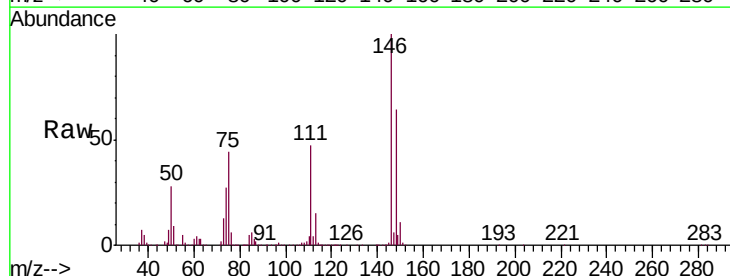
#75
 1,3-Dichlorobenzene
 Concen: 7.658 ppbv
 RT: 16.94 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 15 Dec 2021 10:10

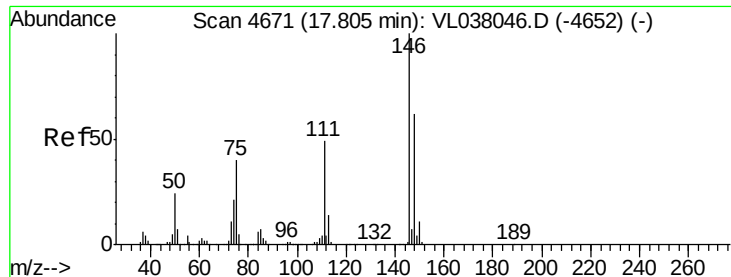
Tot Ion:146 Resp: 1768439
 Ion Ratio Lower Upper
 146 100
 111 48.3 23.5 70.6
 148 63.9 32.1 96.3



#76
 1,4-Dichlorobenzene
 Concen: 7.270 ppbv
 RT: 17.09 min Scan# 4447
 Delta R.T. -0.05 min
 Lab File: VL038182.D
 Acq: 15 Dec 2021 10:16

Tgt Ion:146 Resp: 1689280
 Ion Ratio Lower Upper
 146 100
 111 48.6 23.8 71.5
 148 66.8 33.2 99.6





#77

1,2-Dichlorobenzene

Concen: 7.479 ppbv

RT: 17.76

Delta R.T. MSVOA_L

Lab File:

Acq: 15 Dec 2021 10:16

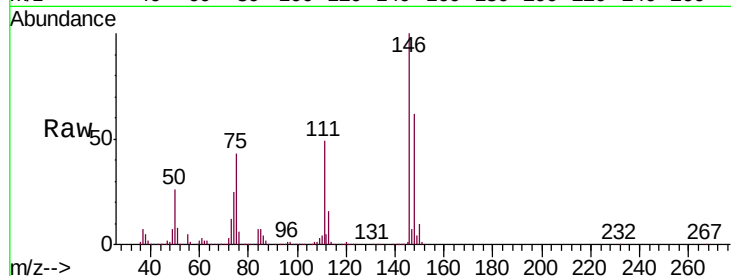
Tot Ion:146 Resp: 1672316

Ion Ratio Lower Upper

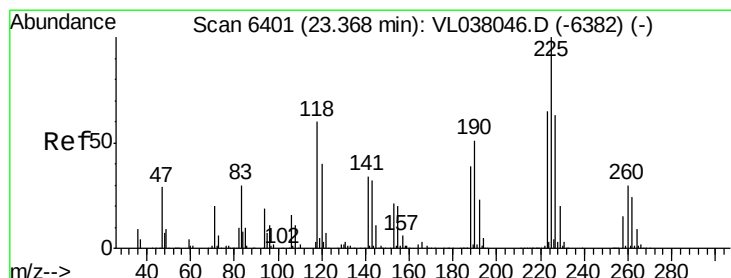
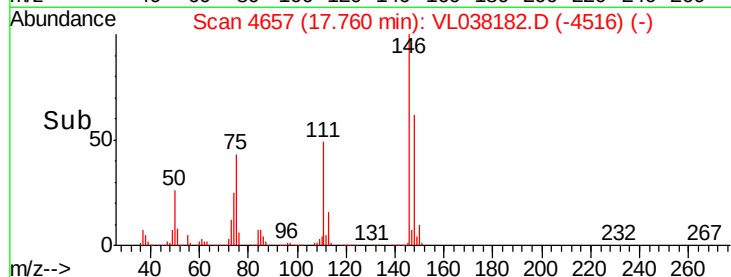
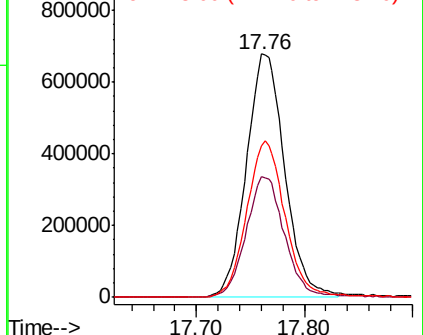
146 100

111 49.8 24.8 74.4

148 64.1 32.3 96.9



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: 6.300 ppbv

RT: 23.32 min Scan# 6387

Delta R.T. -0.05 min

Lab File: VL038182.D

Acq: 15 Dec 2021 10:16

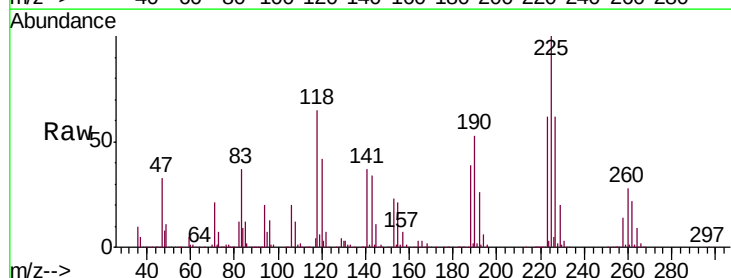
Tgt Ion:225 Resp: 879579

Ion Ratio Lower Upper

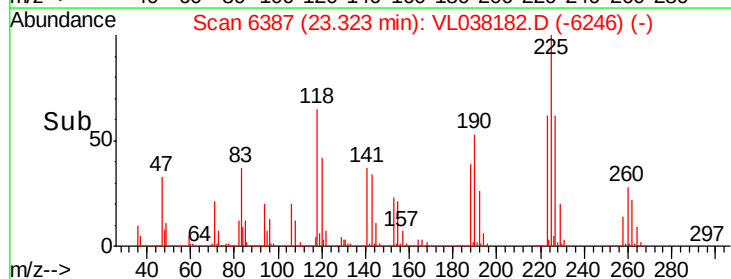
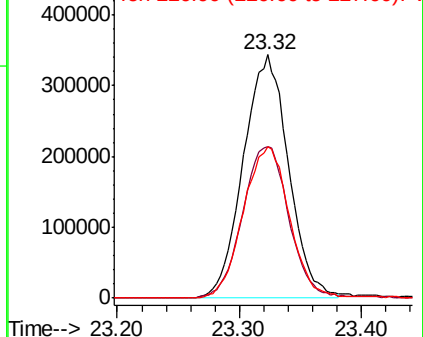
225 100

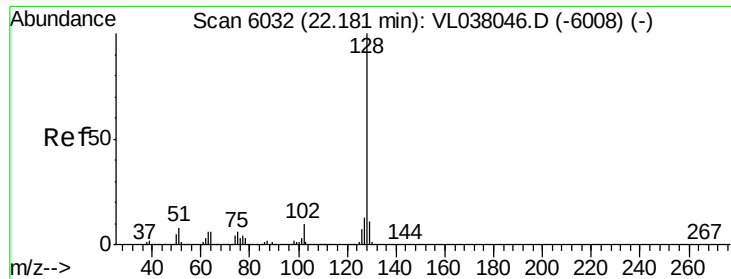
223 64.4 52.3 78.5

227 64.6 52.4 78.6



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

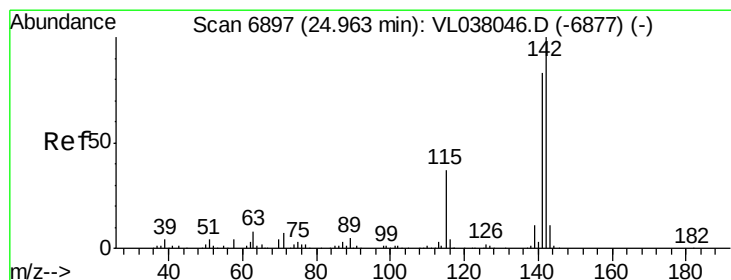
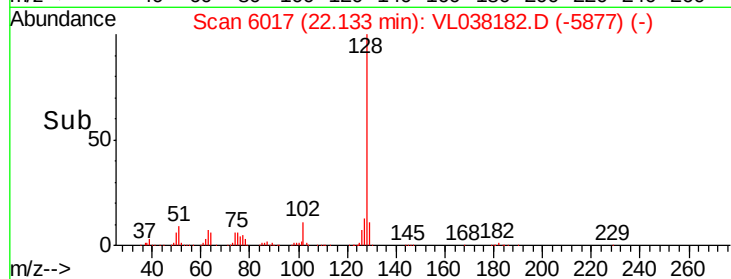
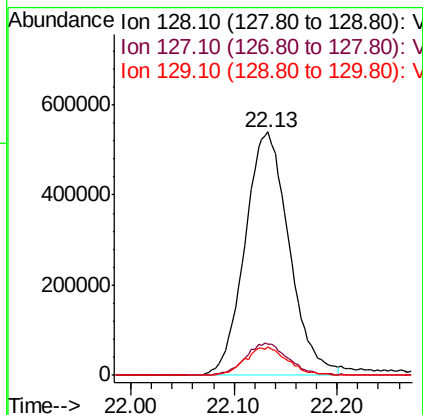
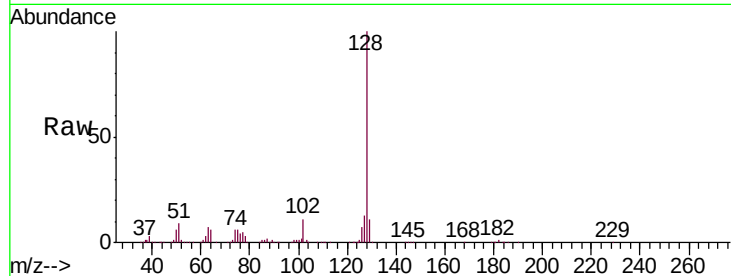




#79
Naphthalene
Concen: 7.231 ppbv
RT: 22.13 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 15 Dec 2021 10:16

Tot Ion:128 Resp: 1600992

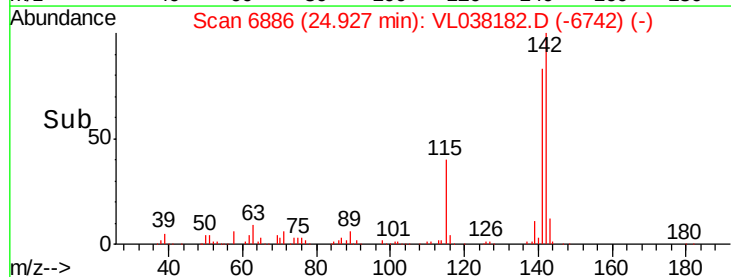
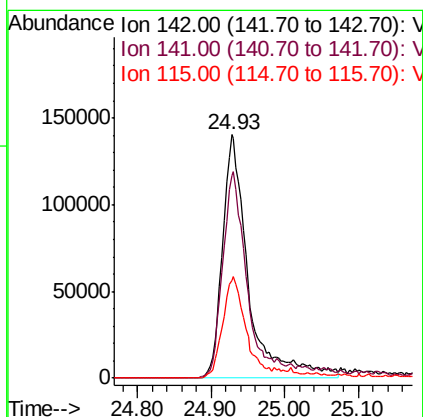
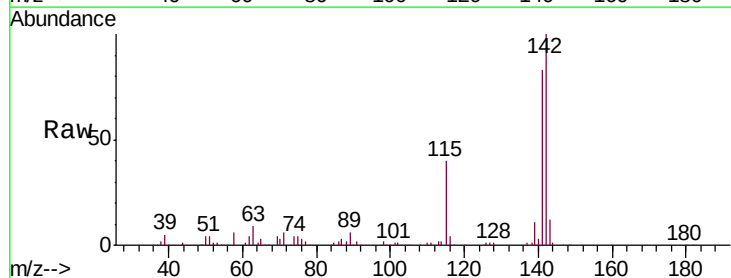
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.5	8.9	13.3

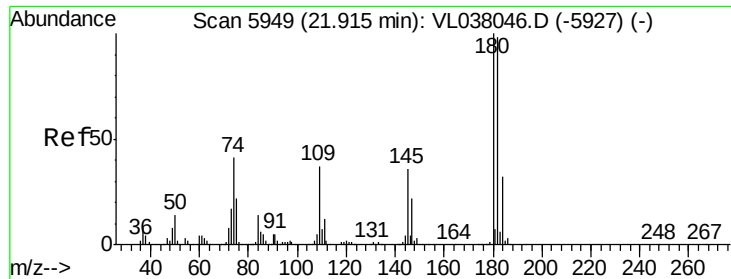


#80
Naphthalene, 2-methyl-
Concen: 7.259 ppbv
RT: 24.93 min Scan# 6886
Delta R.T.: -0.04 min
Lab File: VL038182.D
Acq: 15 Dec 2021 10:16

Tgt Ion:142 Resp: 344413

Ion	Ratio	Lower	Upper
142	100		
141	82.2	67.3	100.9
115	40.6	28.9	43.3





#81

1,2,4-Trichlorobenzene

Concen: 7.138 ppbv

RT: 21.86

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 15 Dec 2021 10:10

Tot Ion:180 Resp: 908092

Ion Ratio Lower Upper

180 100

182 98.3 77.4 116.2

184 31.3 25.0 37.4

