

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050522\
 Data File : VL038957.D
 Acq On : 5 May 2022 2:43
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 05 04:52:21 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 05 04:53:24 2022
 QLast Update : Thu May 05 04:53:24 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1371375	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3310040	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3841723	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2461497	8.10	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	1993914	8.994	ppbv 100
3) Chlorodifluoromethane	2.99	51	1570908	6.506	ppbv 100
4) Chloromethane	3.14	50	805561	8.982	ppbv 100
5) Vinyl Chloride	3.26	62	768094	8.376	ppbv 100
6) Bromomethane	3.48	94	367900	7.517	ppbv 100
7) Chloroethane	3.56	64	254883	8.140	ppbv 100
8) Dichlorotetrafluoroethane	3.19	85	1833947	8.704	ppbv 100
9) Propene	3.01	41	659341	8.327	ppbv 100
10) Heptane	8.11	43	1760191	8.680	ppbv 99
11) Trichlorofluoromethane	3.95	101	1727178	7.830	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1225471	8.594	ppbv 100
13) Ethanol	3.61	45	10444	1.204	ppbv # 1
14) Bromoethene	3.74	108	525846	8.862	ppbv 100
15) Acetone	3.85	43	1202342	8.875	ppbv 100
16) 1,3-Butadiene	3.33	39	712524	7.893	ppbv 100
17) tert-Butyl alcohol	4.28	59	957399	8.395	ppbv 100
18) 1,1-Dichloroethene	4.29	96	524657	8.327	ppbv 100
19) Isopropyl Alcohol	3.96	45	608608	8.419	ppbv 100
20) Methylene Chloride	4.34	84	437504	7.169	ppbv 100
21) Allyl Chloride	4.41	41	874039	8.417	ppbv 100
22) trans-1,2-Dichloroethene	4.88	96	570699	9.556	ppbv 100
23) Vinyl Acetate	5.07	43	1030005	5.007	ppbv 100
24) 1,1-Dichloroethane	5.01	63	1122189	7.080	ppbv 100
25) Ethyl Acetate	5.67	43	3028297	9.439	ppbv 100
26) Hexane	5.68	57	1289695	8.823	ppbv 100
27) Carbon Disulfide	4.55	76	1369144	9.499	ppbv 99
28) Methyl tert-Butyl Ether	5.03	73	1035379	6.411	ppbv 100
29) Chloroform	5.75	83	2176000	9.162	ppbv 100
30) Cyclohexane	7.13	84	1086032	9.172	ppbv 100
31) cis-1,2-Dichloroethene	5.55	61	1383187	9.684	ppbv 100
32) 1,1,1-Trichloroethane	6.51	97	2186237	9.141	ppbv 100
34) 2-Butanone	5.24	43	1668153	10.153	ppbv 99
35) Carbon Tetrachloride	7.01	117	2224494	8.765	ppbv 100
36) Benzene	6.89	78	2707367	8.965	ppbv 100
37) 1,2-Dichloroethane	6.30	62	1737086	9.609	ppbv 100
38) Trichloroethene	7.83	130	1174951	9.717	ppbv 100
39) 1,2-Dichloropropane	7.61	63	1079002	8.820	ppbv 100
40) 1,4-Dioxane	7.82	88	388399	12.369	ppbv 100
41) Tetrahydrofuran	6.04	42	1117477	13.692	ppbv 100
42) Bromodichloromethane	7.79	83	2411774	9.816	ppbv 100
43) Methyl Methacrylate	8.01	69	1150649	11.043	ppbv 100

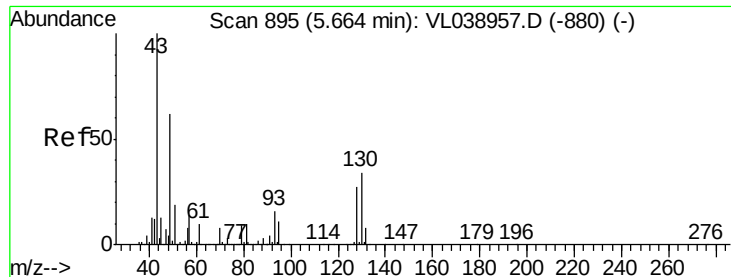
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050522\
 Data File : VL038957.D
 Acq On : 5 May 2022 2:43
 Operator : SY/AP
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Quant Time: May 05 04:52:21 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 05 04:53:24 2022
 QLast Update : Thu May 05 04:53:24 2022
 Response via : Initial Calibration

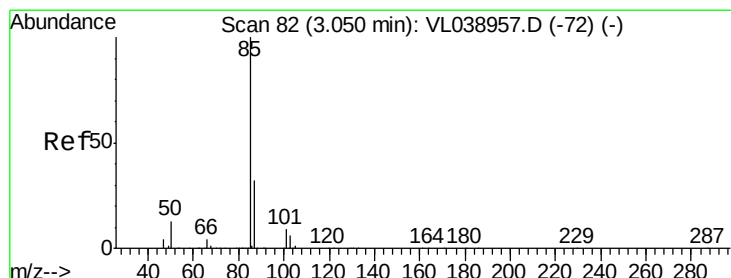
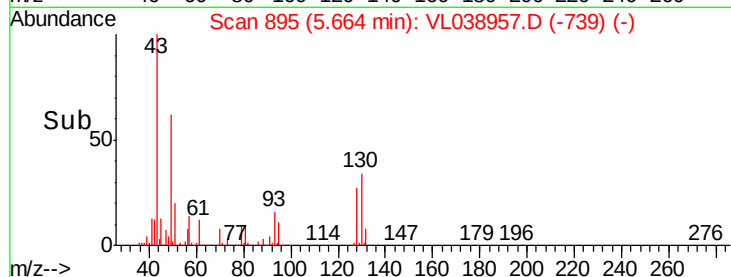
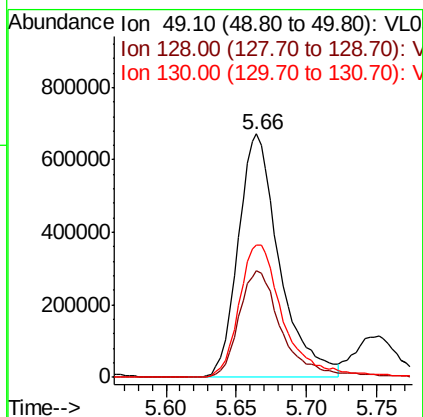
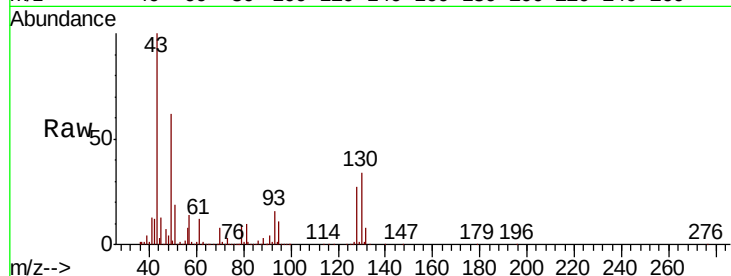
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4637070	8.682	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	1328128	11.242	ppbv	100
46) cis-1,3-Dichloropropene	8.69	75	1595585	10.630	ppbv	100
47) 1,1,2-Trichloroethane	9.47	97	1105222	8.878	ppbv	100
48) Dibromochloromethane	10.30	129	1937184	10.120	ppbv	100
49) Bromoform	13.03	173	1537764	10.038	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2929512	11.927	ppbv	100
51) 2-Hexanone	10.12	43	2353767	16.931	ppbv	100
52) Tetrachloroethene	11.21	164	926097	8.306	ppbv	100
53) Toluene	9.80	91	3097357	9.605	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1585476	9.043	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.11	131	1310675	7.574	ppbv	96
57) Chlorobenzene	12.14	112	2189457	6.813	ppbv	100
58) Ethyl Benzene	12.70	91	4197211	7.599	ppbv	100
59) m/p-Xylene	12.99	91	3879381	8.032	ppbv #	44
60) o-Xylene	13.68	91	3343676	7.166	ppbv	100
61) Styrene	13.52	104	1949374	8.384	ppbv	100
62) Isopropylbenzene	14.65	105	4820833	7.587	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	1930917	5.521	ppbv	100
64) n-propylbenzene	15.55	120	1224975	7.903	ppbv	99
65) tert-Butylbenzene	16.73	119	4176502	7.570	ppbv	100
66) Benzyl Chloride	16.97	91	803472	11.905	ppbv	100
67) sec-Butylbenzene	17.28	105	6004728	7.667	ppbv	100
69) p-Isopropyltoluene	17.64	119	4945510	8.079	ppbv	100
70) n-Butylbenzene	18.54	91	5383486	8.388	ppbv	100
71) 2-Chlorotoluene	15.44	91	3790373	7.930	ppbv	100
72) 4-Ethyltoluene	15.83	105	3927912	7.667	ppbv	100
73) 1,3,5-Trimethylbenzene	15.99	105	3568600	7.474	ppbv	100
74) 1,2,4-Trimethylbenzene	16.75	105	3792698	7.357	ppbv	100
75) 1,3-Dichlorobenzene	16.98	146	2122150	7.350	ppbv	100
76) 1,4-Dichlorobenzene	17.12	146	2112558	7.342	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	2073289	7.585	ppbv	100
78) Hexachloro-1,3-Butadiene	23.36	225	1682321	6.838	ppbv	100
79) Naphthalene	22.17	128	3531949	11.112	ppbv	100
80) Naphthalene, 2-methyl-	24.95	142	1138835	16.418	ppbv	98
81) 1,2,4-Trichlorobenzene	21.90	180	1865279	9.667	ppbv	99

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



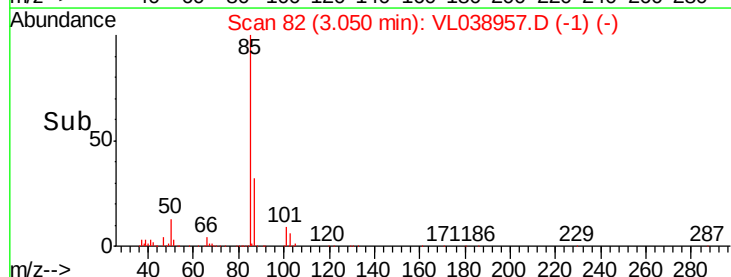
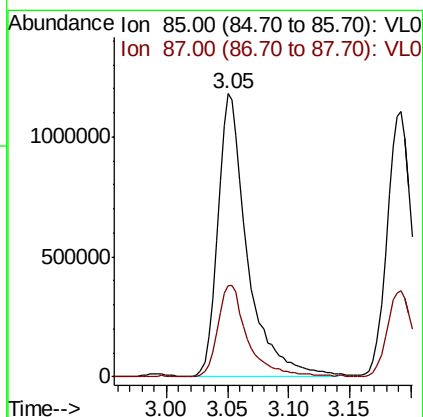
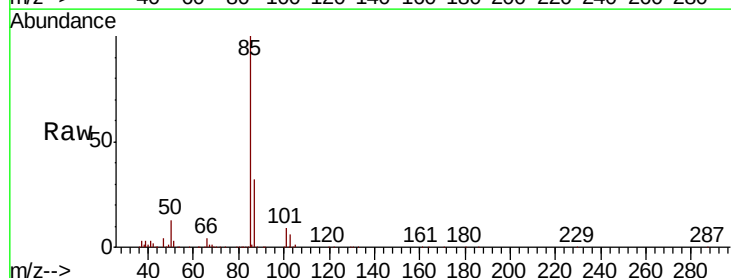
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 5 May 2022 2:43

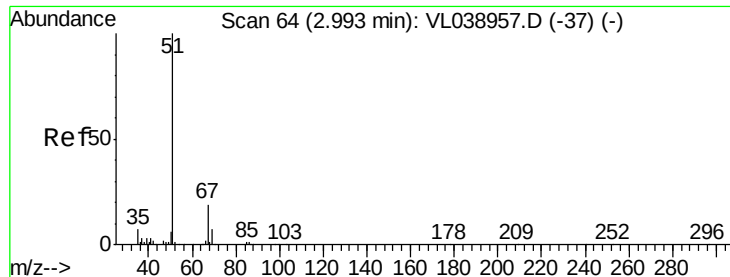
Tot Ion: 49 Resp: 1371375
 Ion Ratio Lower Upper
 49 100
 128 46.5 23.3 69.8
 130 59.5 29.8 89.3



#2
 Dichlorodifluoromethane
 Concen: 8.994 ppbv
 RT: 3.05 min Scan# 82
 Delta R.T.: 0.00 min
 Lab File: VL038957.D
 Acq: 5 May 2022 2:43

Tgt Ion: 85 Resp: 1993914
 Ion Ratio Lower Upper
 85 100
 87 32.1 25.7 38.5





#3

Chlorodifluoromethane

Concen: 6.506 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

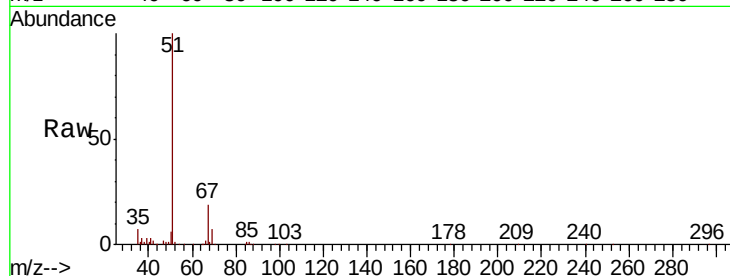
Acq: 5 May 2022 2:43

Tot Ion: 51 Resp: 1570908

Ion Ratio Lower Upper

51 100

67 19.8 15.8 23.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

1000000

800000

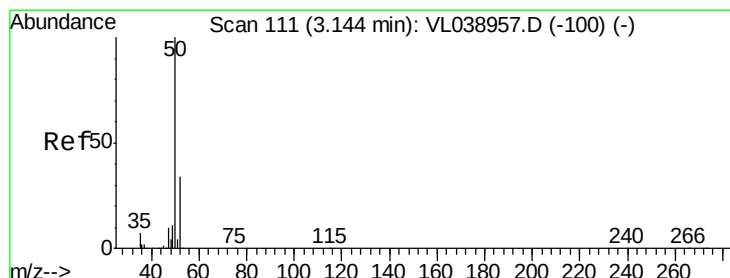
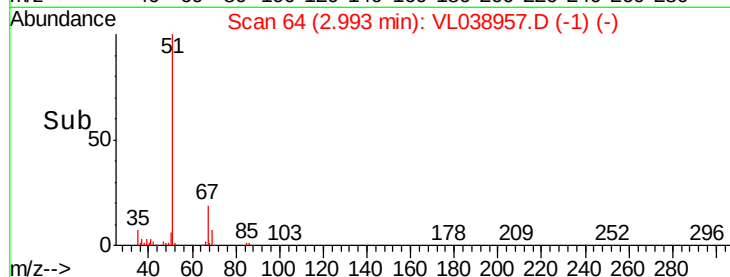
600000

400000

200000

0

Time--> 2.80 2.90 3.00 3.10



#4

Chloromethane

Concen: 8.982 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL038957.D

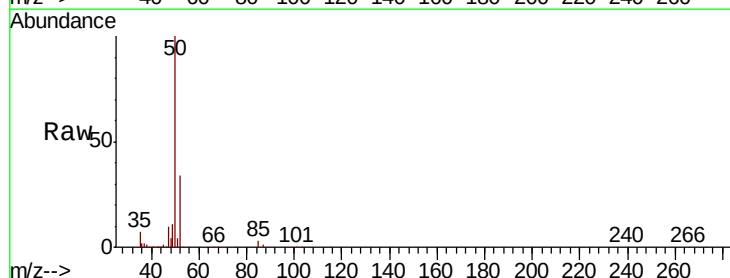
Acq: 5 May 2022 2:43

Tgt Ion: 50 Resp: 805561

Ion Ratio Lower Upper

50 100

52 34.1 27.3 40.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

500000

400000

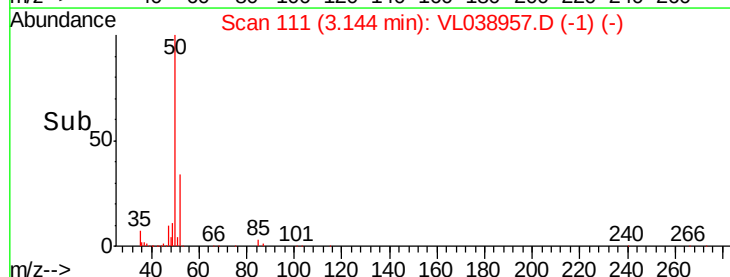
300000

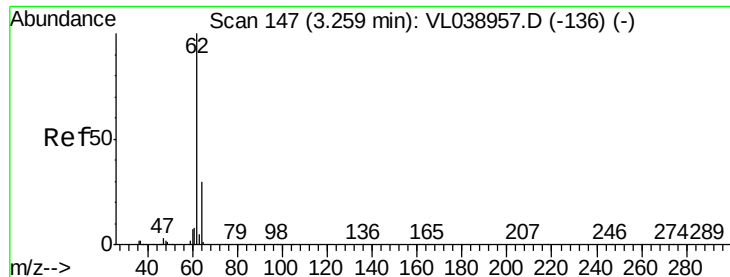
200000

100000

0

Time--> 3.10 3.15 3.20





#5

Vinyl Chloride

Concen: 8.376 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

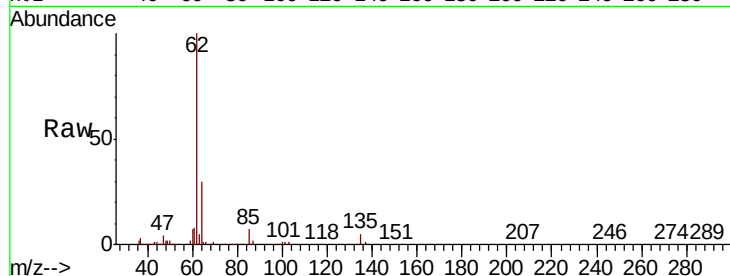
Acq: 5 May 2022 2:43

Tot Ion: 62 Resp: 768094

Ion Ratio Lower Upper

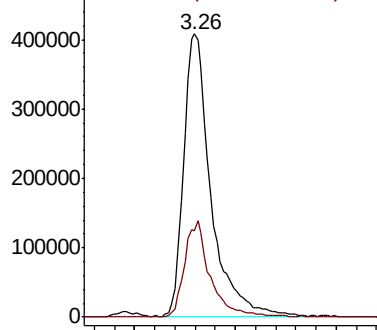
62 100

64 30.3 24.2 36.4

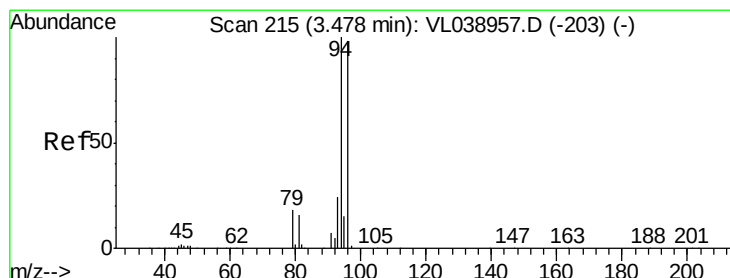
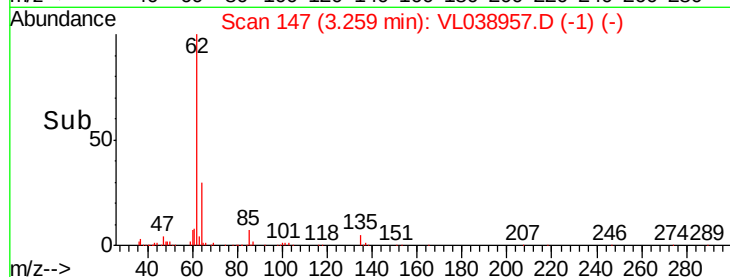


Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



Time-->



#6

Bromomethane

Concen: 7.517 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.00 min

Lab File: VL038957.D

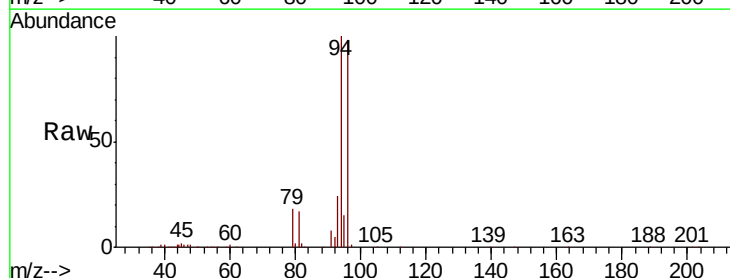
Acq: 5 May 2022 2:43

Tgt Ion: 94 Resp: 367900

Ion Ratio Lower Upper

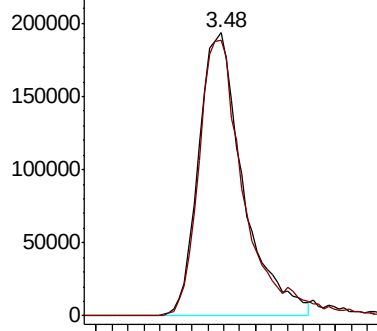
94 100

96 97.6 78.1 117.1

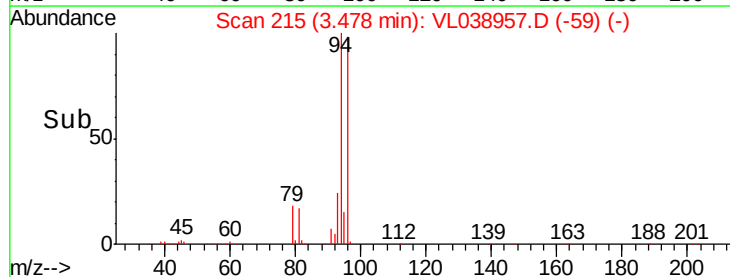


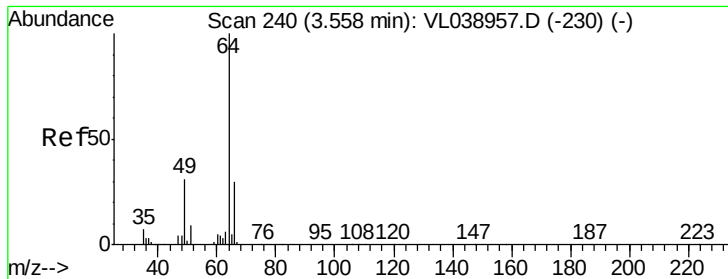
Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0



Time-->





#7

Chloroethane

Concen: 8.140 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

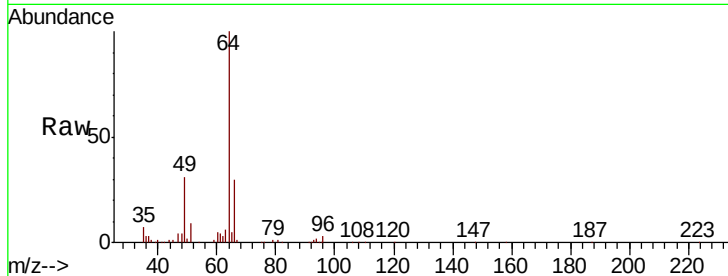
Acq: 5 May 2022 2:43

Tot Ion: 64 Resp: 254883

Ion Ratio Lower Upper

64 100

66 29.8 23.8 35.8



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

150000

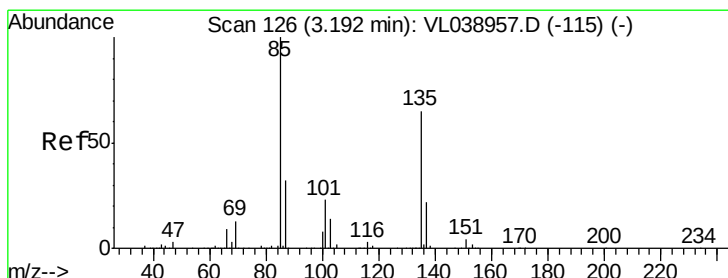
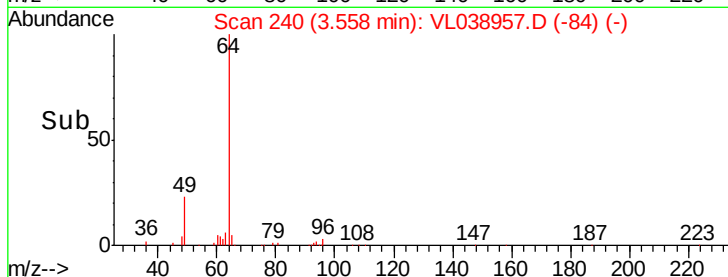
100000

50000

0

3.50 3.55 3.60

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.704 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.00 min

Lab File: VL038957.D

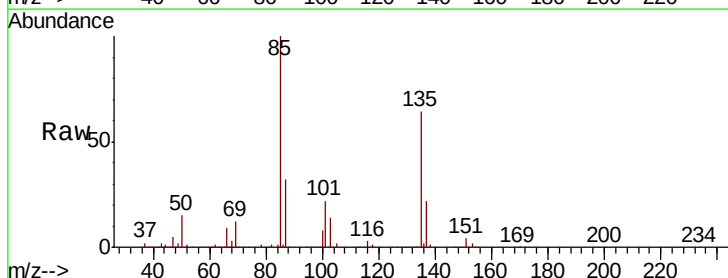
Acq: 5 May 2022 2:43

Tgt Ion: 85 Resp: 1833947

Ion Ratio Lower Upper

85 100

135 67.0 53.6 80.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1200000

1000000

800000

600000

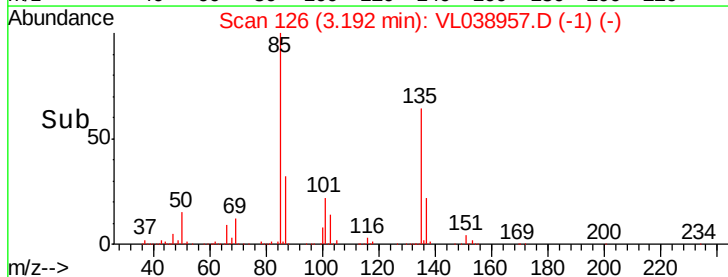
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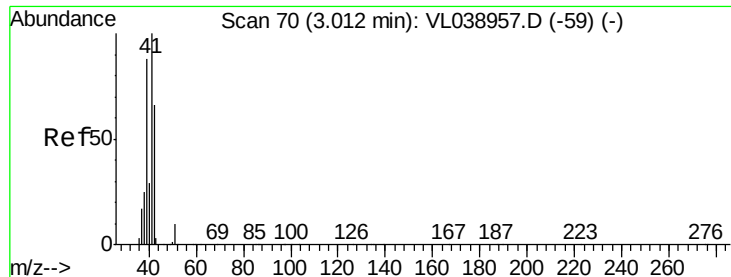
200000

0

3.10 3.15 3.20 3.25 3.30

Time-->





#9

Propene

Concen: 8.327 ppbv

RT: 3.01 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

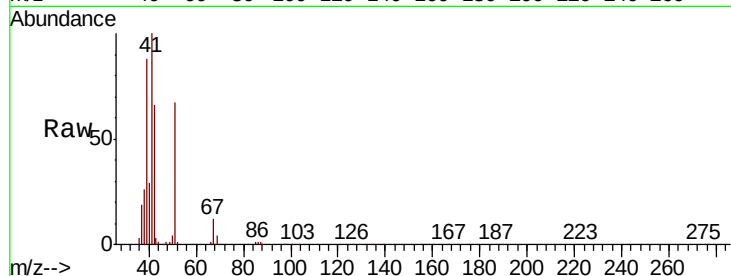
Acq: 5 May 2022 2:43

Tot Ion: 41 Resp: 659341

Ion Ratio Lower Upper

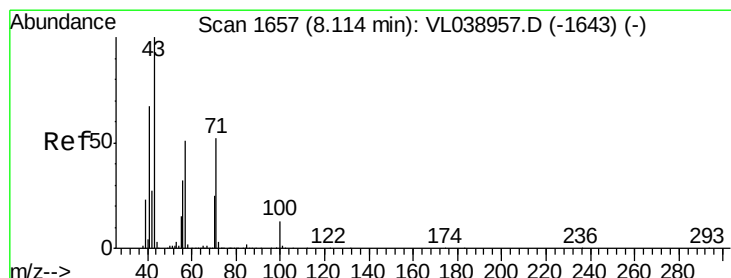
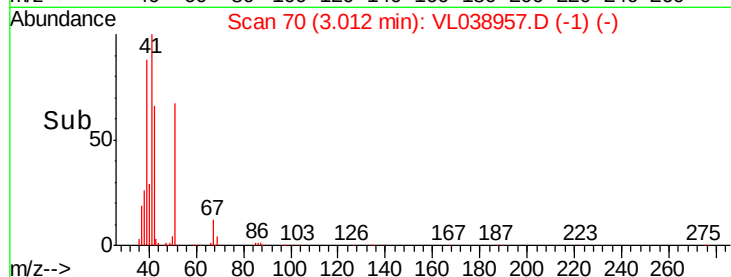
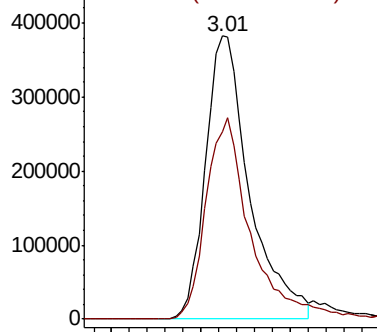
41 100

42 72.9 58.3 87.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 8.680 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VL038957.D

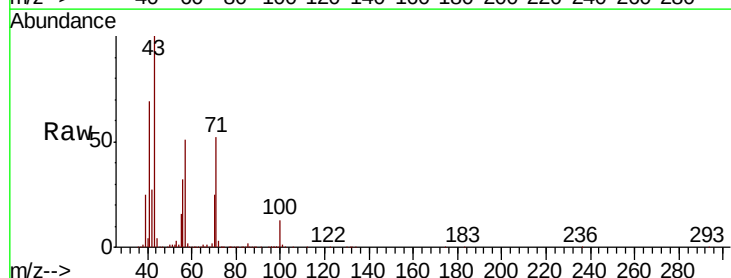
Acq: 5 May 2022 2:43

Tgt Ion: 43 Resp: 1760191

Ion Ratio Lower Upper

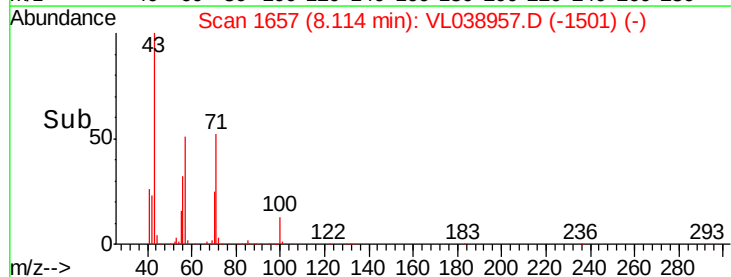
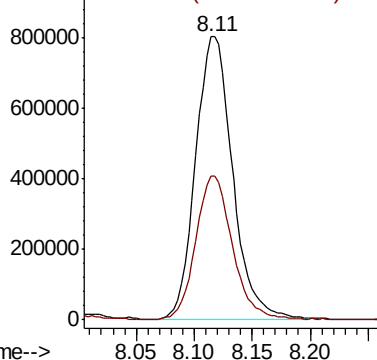
43 100

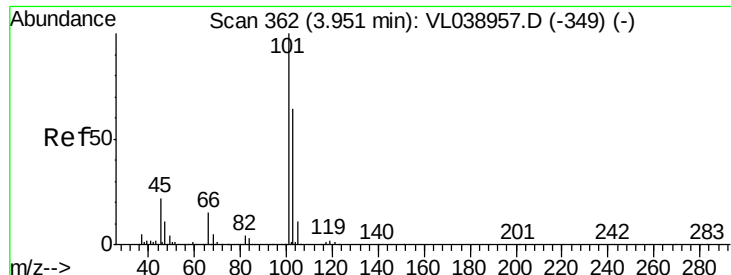
57 51.2 40.5 60.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

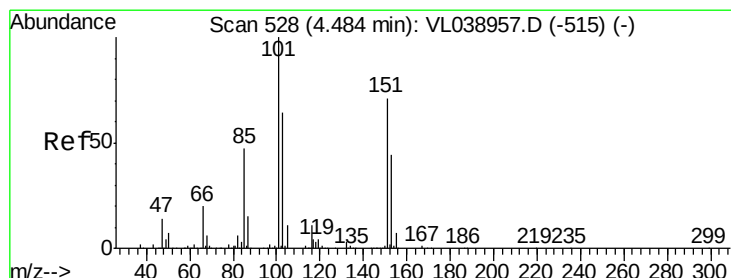
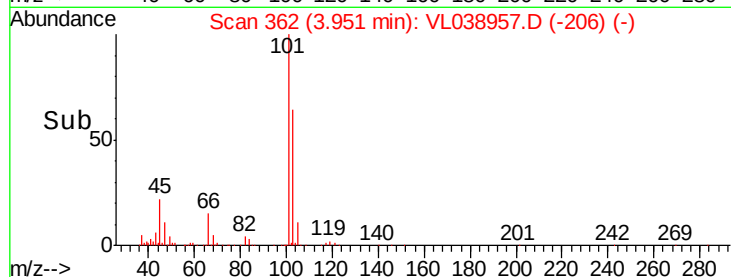
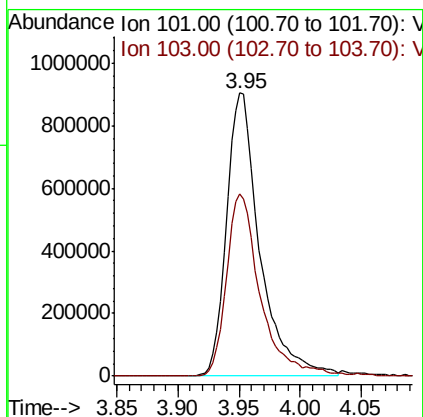
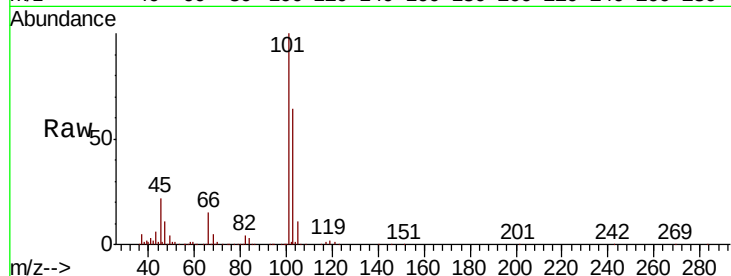
Ion 57.10 (56.80 to 57.80): VL0





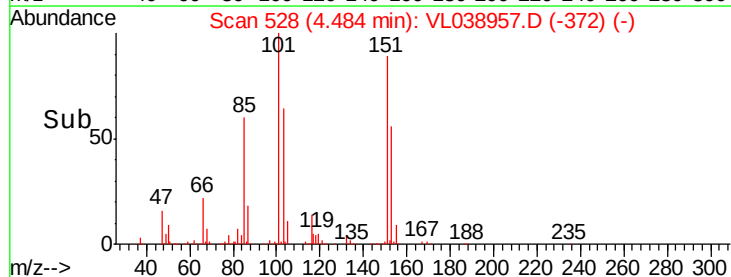
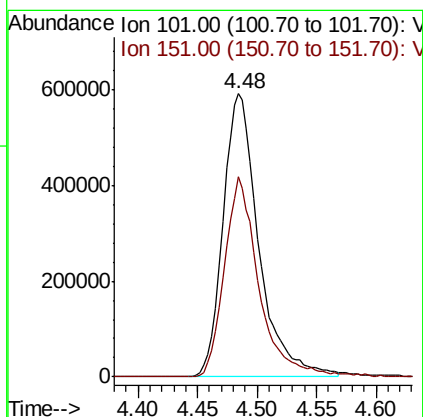
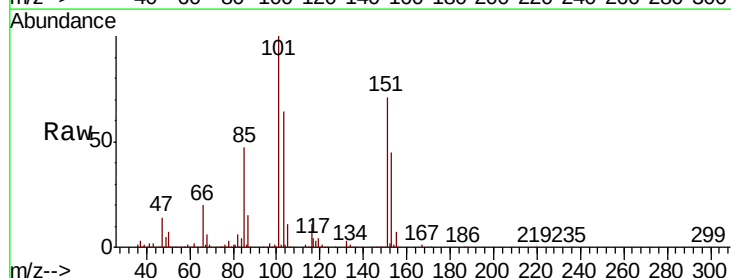
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 Trichlorofluoromethane
 Concen: 7.830 ppbv
 RT: 3.95 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 5 May 2022 2:43

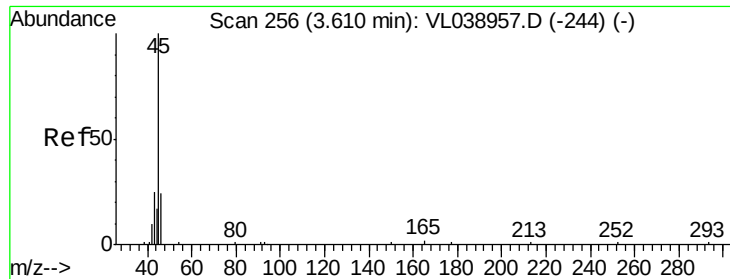
Tot Ion:101 Resp: 1727178
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.5 77.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.594 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T.: 0.00 min
 Lab File: VL038957.D
 Acq: 5 May 2022 2:43

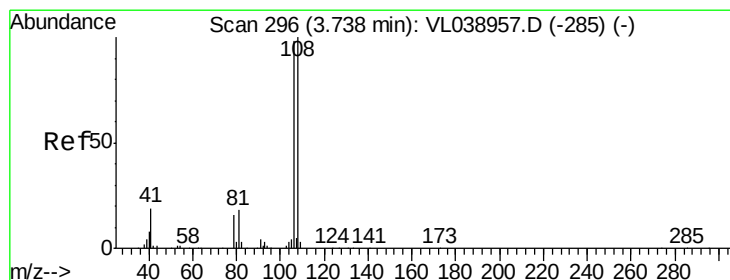
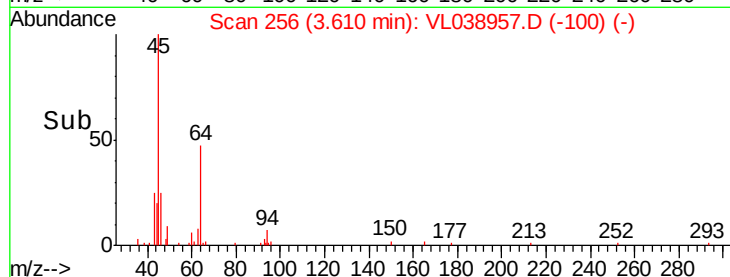
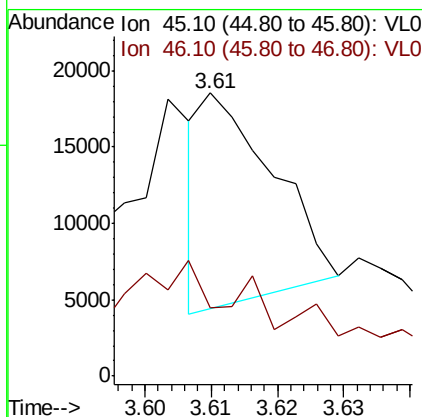
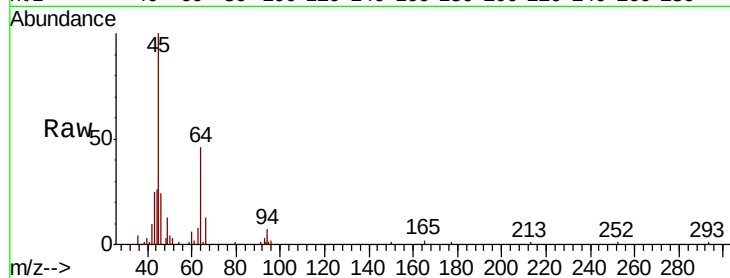
Tgt Ion:101 Resp: 1225471
 Ion Ratio Lower Upper
 101 100
 151 69.0 55.4 83.0





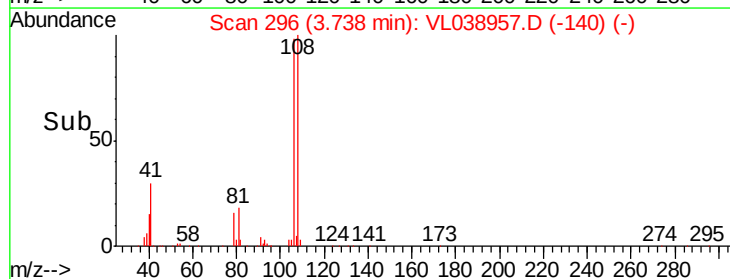
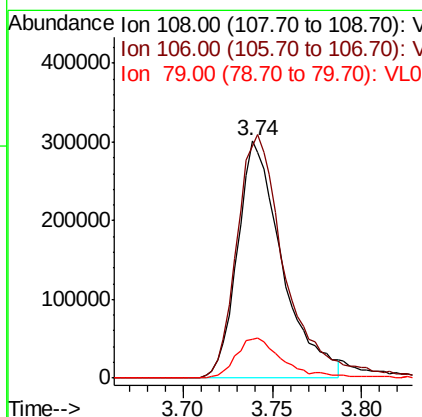
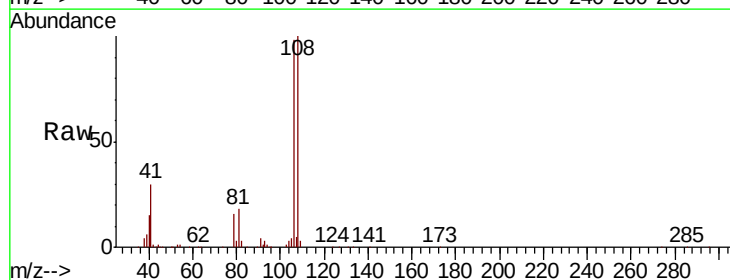
#13
 Ethanol
 Concen: 1.204 ppbv
 RT: 3.61 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 5 May 2022 2:43

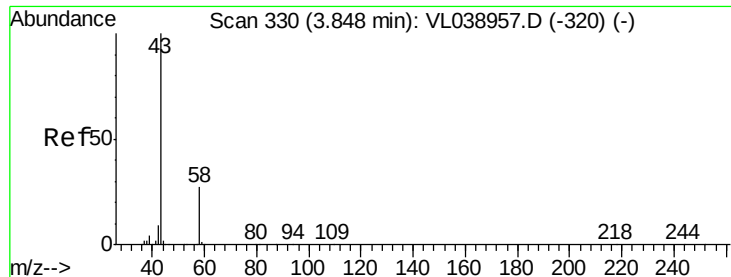
Tot Ion: 45 Resp: 10444
 Ion Ratio Lower Upper
 45 100
 46 161.4 18.0 72.2#



#14
 Bromoethene
 Concen: 8.862 ppbv
 RT: 3.74 min Scan# 296
 Delta R.T. 0.00 min
 Lab File: VL038957.D
 Acq: 5 May 2022 2:43

Tgt Ion: 108 Resp: 525846
 Ion Ratio Lower Upper
 108 100
 106 112.9 90.3 135.5
 79 18.5 14.9 22.3





#15

Acetone

Concen: 8.875 ppbv

RT: 3.85 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

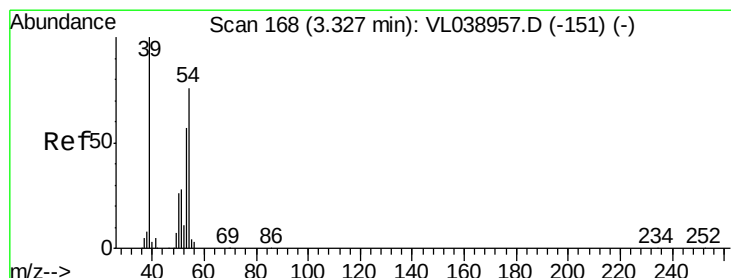
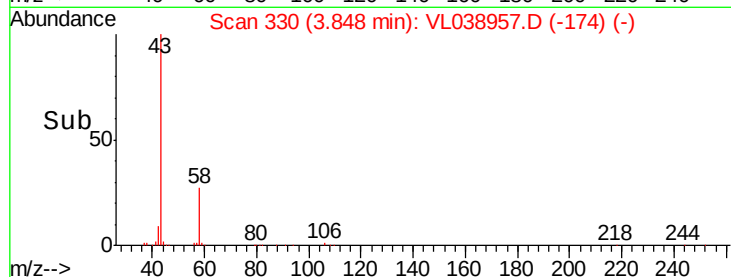
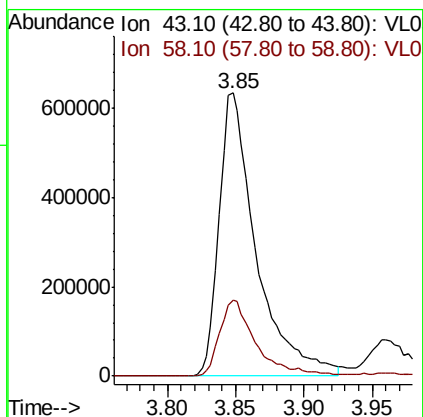
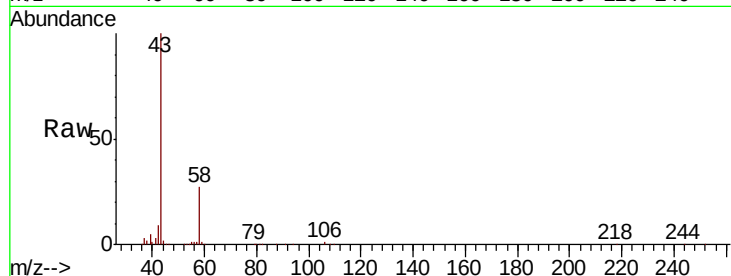
Acq: 5 May 2022 2:43

Tot Ion: 43 Resp: 1202342

Ion Ratio Lower Upper

43 100

58 26.6 21.3 31.9



#16

1,3-Butadiene

Concen: 7.893 ppbv

RT: 3.33 min Scan# 168

Delta R.T. 0.00 min

Lab File: VL038957.D

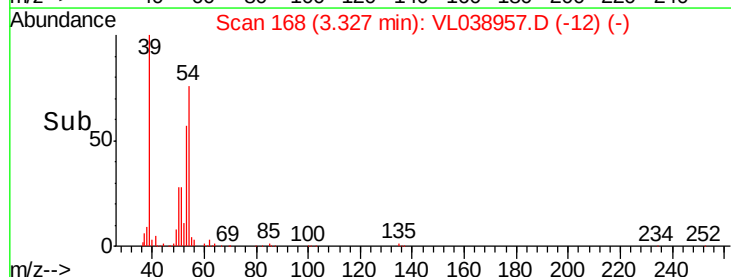
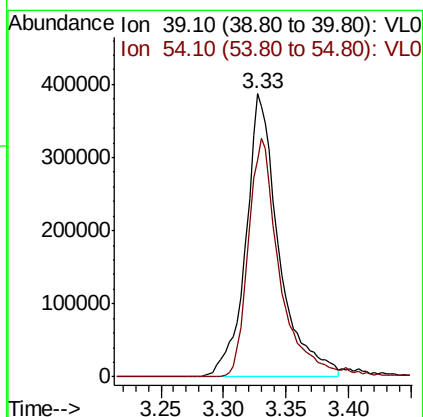
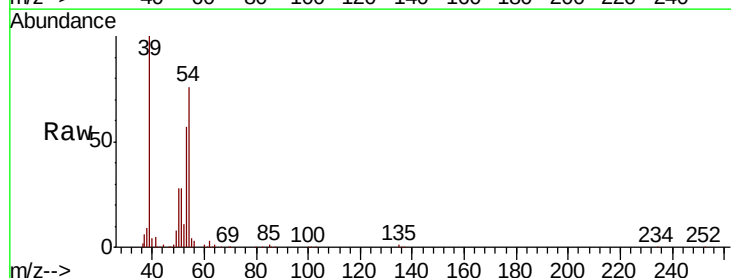
Acq: 5 May 2022 2:43

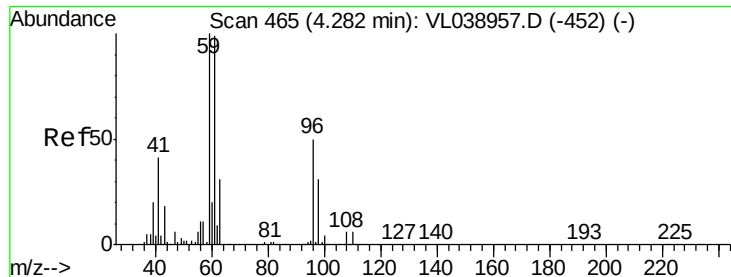
Tgt Ion: 39 Resp: 712524

Ion Ratio Lower Upper

39 100

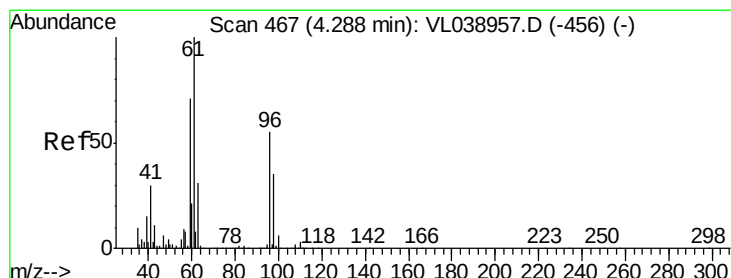
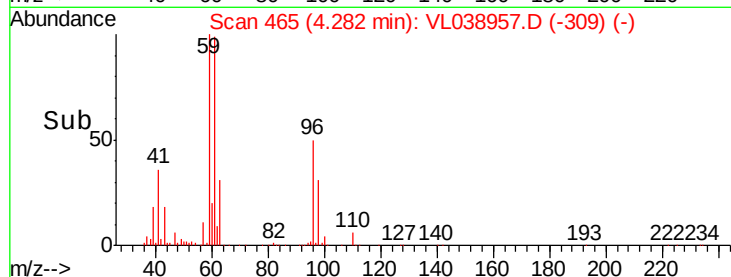
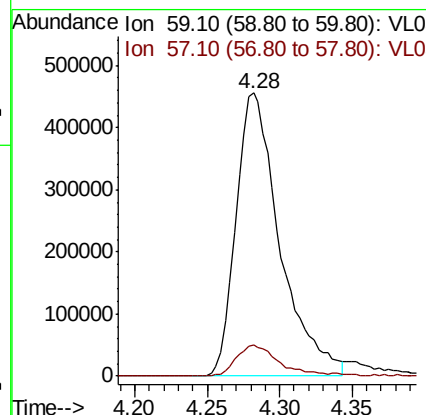
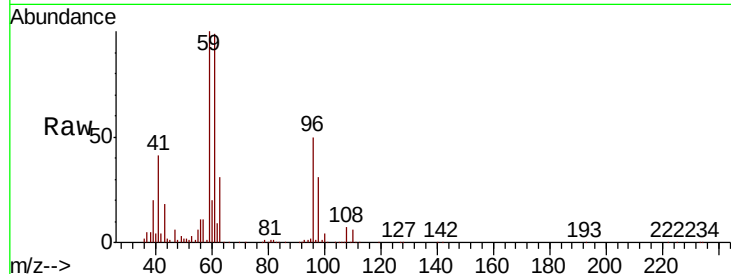
54 81.4 65.2 97.8





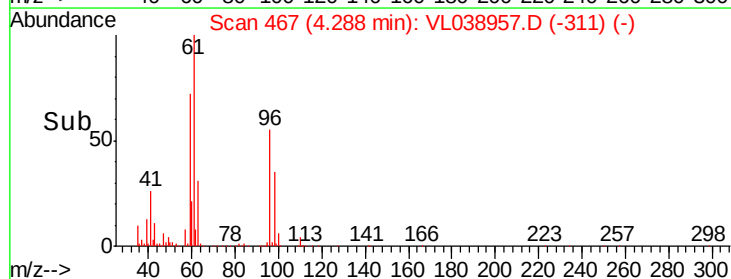
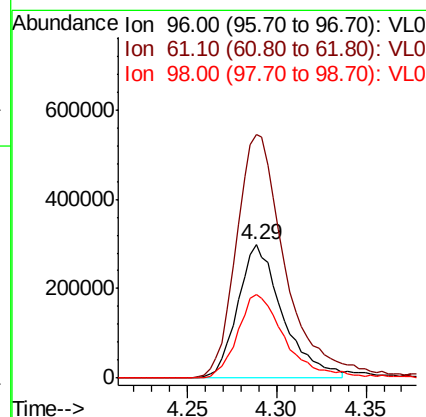
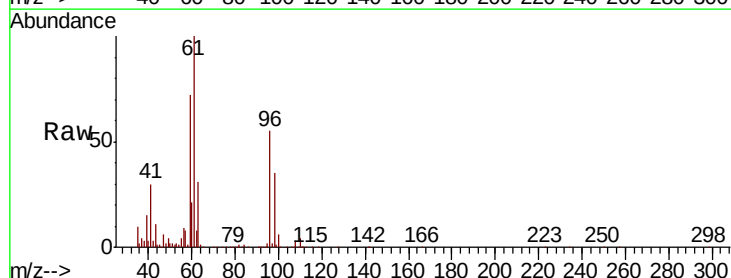
#17
 tert-Butyl alcohol
 Concen: 8.395 ppbv
 RT: 4.28 Instrument :
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 Acq: 5 May 2022 2:43

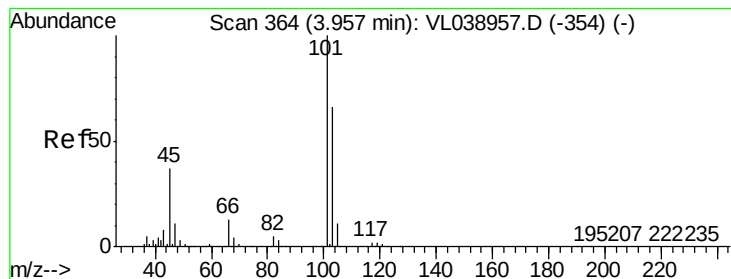
Tot Ion: 59 Resp: 957399
 Ion Ratio Lower Upper
 59 100
 57 11.5 9.2 13.8



#18
 1,1-Dichloroethene
 Concen: 8.327 ppbv
 RT: 4.29 min Scan# 467
 Delta R.T. 0.00 min
 Lab File: VL038957.D
 Acq: 5 May 2022 2:43

Tgt Ion: 96 Resp: 524657
 Ion Ratio Lower Upper
 96 100
 61 182.9 146.3 219.5
 98 63.2 50.6 75.8





#19

Isopropyl Alcohol

Concen: 8.419 ppbv

RT: 3.96 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

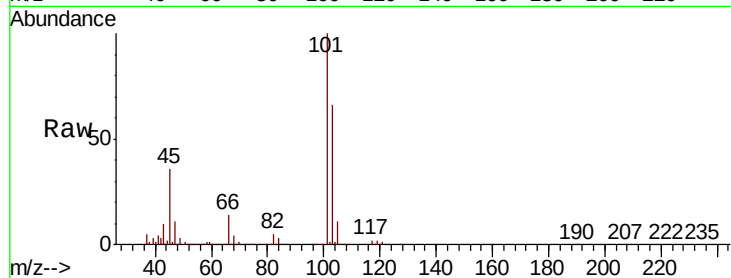
Acq: 5 May 2022 2:43

Tot Ion: 45 Resp: 608608

Ion Ratio Lower Upper

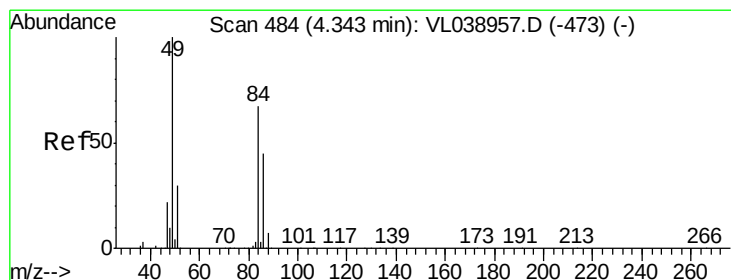
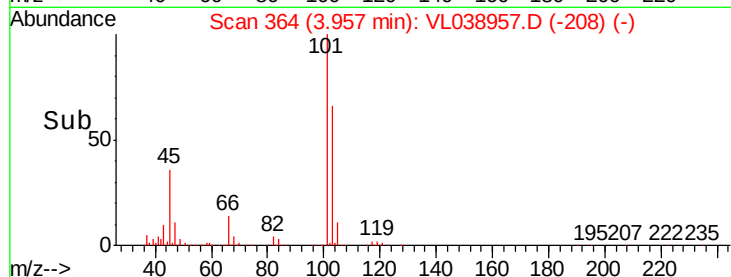
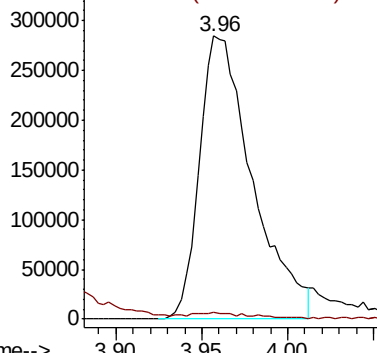
45 100

58 1.8 1.4 2.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 7.169 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.00 min

Lab File: VL038957.D

Acq: 5 May 2022 2:43

Tgt Ion: 84 Resp: 437504

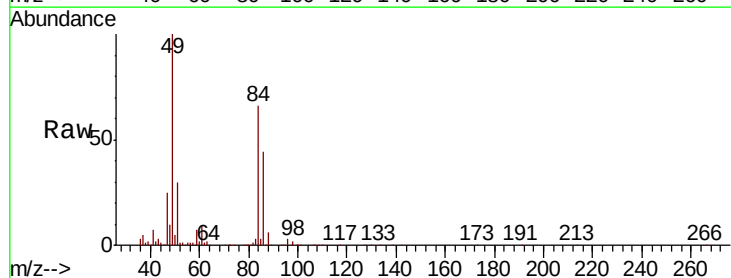
Ion Ratio Lower Upper

84 100

49 149.9 119.9 179.9

51 44.6 35.7 53.5

86 67.2 53.8 80.6

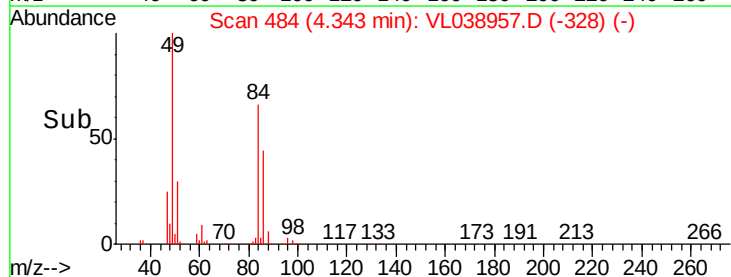
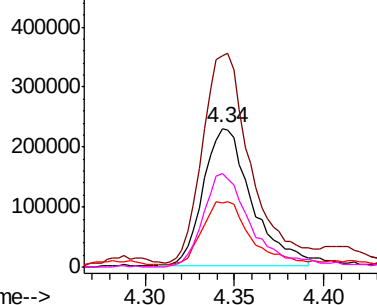


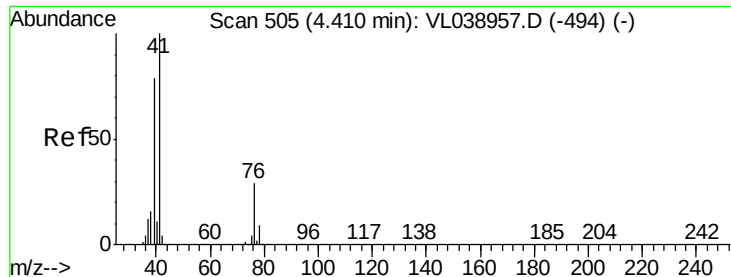
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

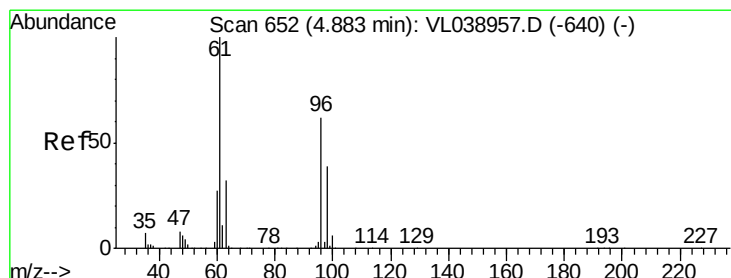
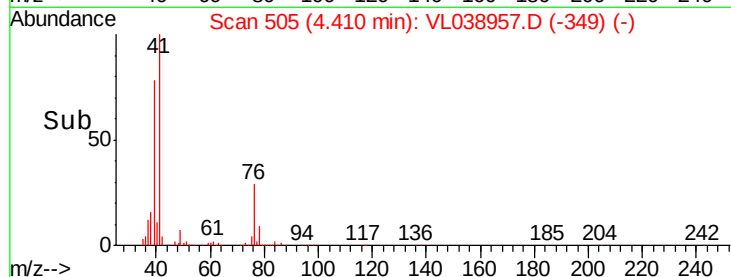
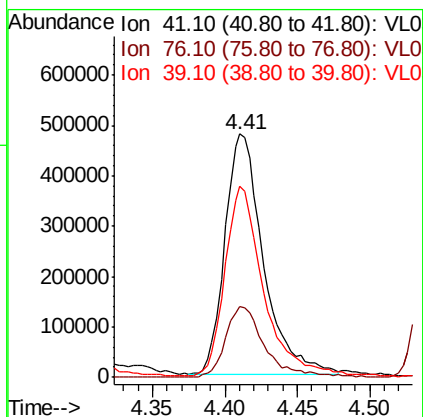
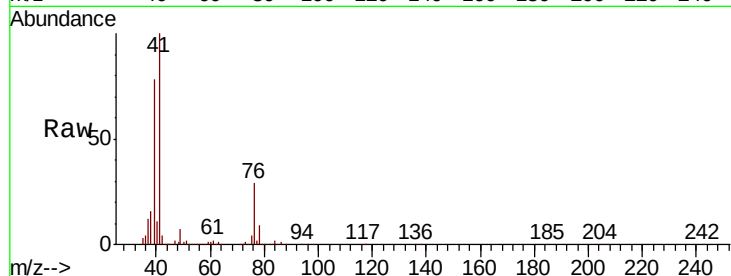
Ion 86.00 (85.70 to 86.70): VL0





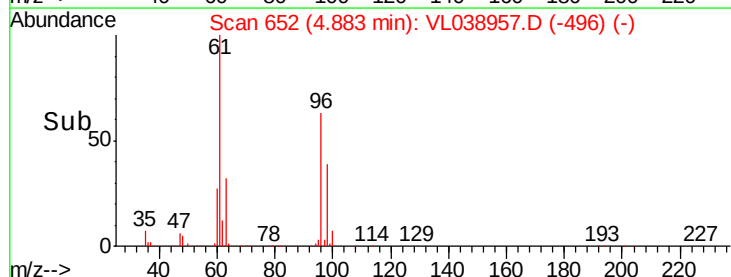
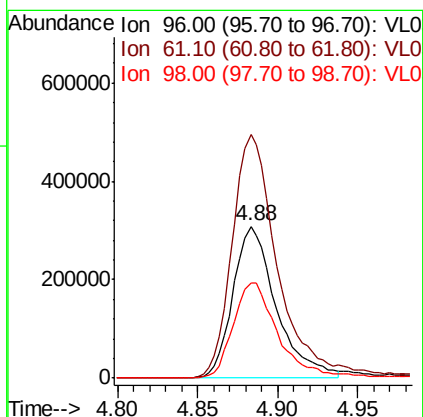
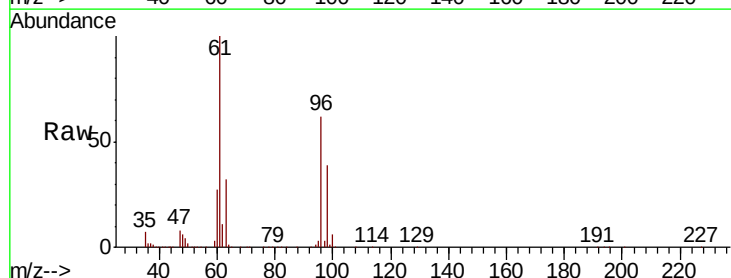
#21
 Allvl Chloride
 Concen: 8.417 ppbv
 RT: 4.41 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 May 2022 2:43

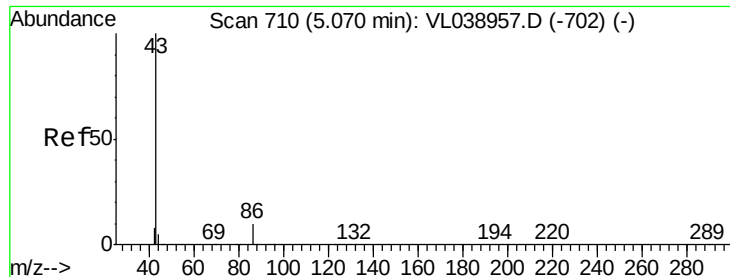
Tot Ion:	41	Resp:	874039
Ion	Ratio	Lower	Upper
41	100		
76	30.3	24.2	36.4
39	79.8	63.8	95.8



#22
 trans-1,2-Dichloroethene
 Concen: 9.556 ppbv
 RT: 4.88 min Scan# 652
 Delta R.T. 0.00 min
 Lab File: VL038957.D
 Acq: 5 May 2022 2:43

Tgt Ion:	96	Resp:	570699
Ion	Ratio	Lower	Upper
96	100		
61	160.2	128.2	192.2
98	62.6	50.1	75.1





#23

Vinyl Acetate

Concen: 5.007 ppbv

RT: 5.07 Instrument:

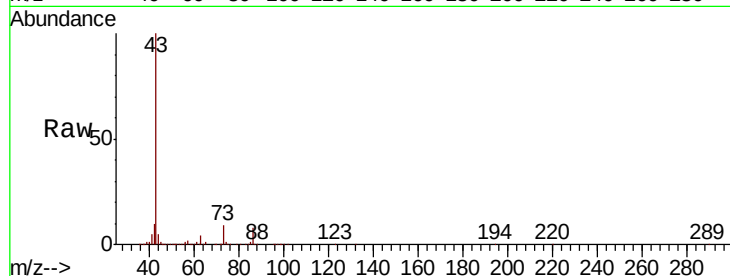
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

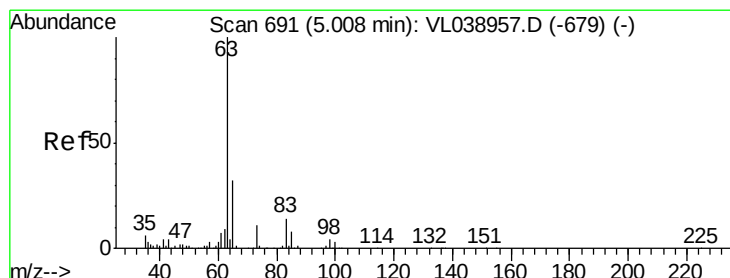
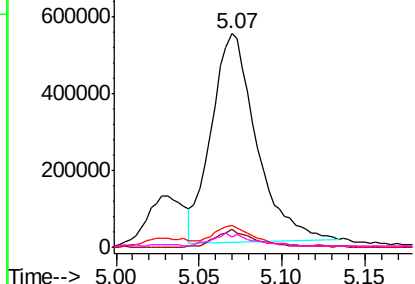
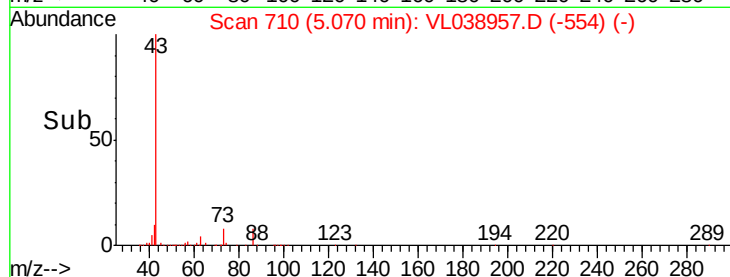
Acq: 5 May 2022 2:43

Tot Ion: 43 Resp: 1030005

Ion	Ratio	Lower	Upper
43	100		
86	8.2	6.6	9.8
42	10.1	8.1	12.1
44	4.4	3.5	5.3



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: 7.080 ppbv

RT: 5.01 min Scan# 691

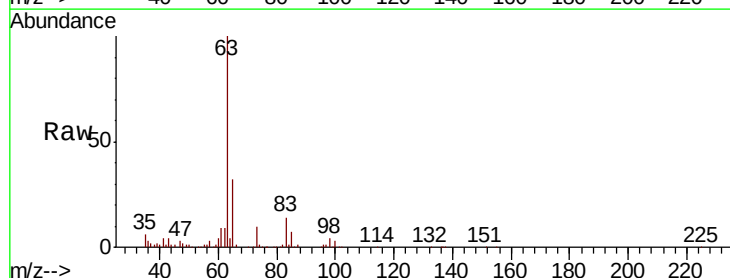
Delta R.T. 0.00 min

Lab File: VL038957.D

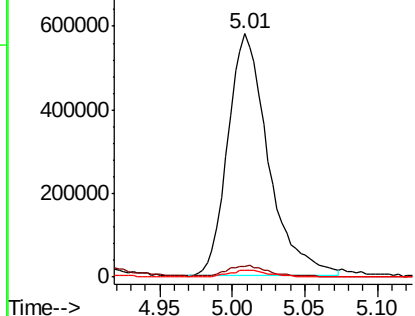
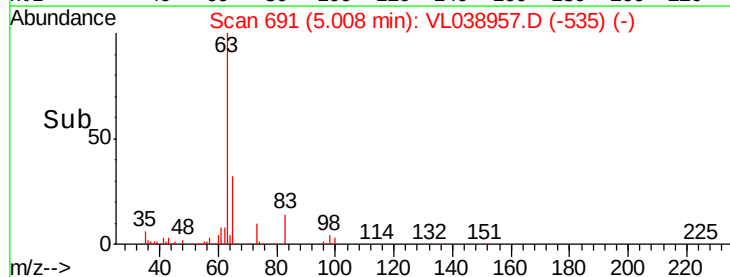
Acq: 5 May 2022 2:43

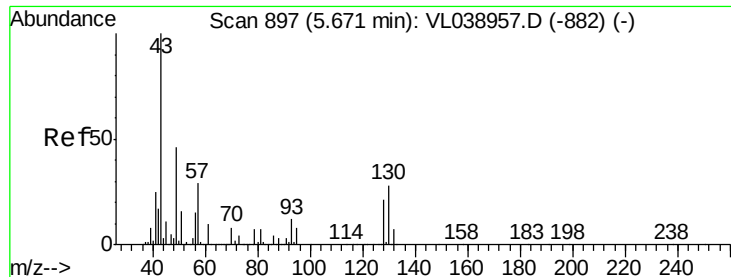
Tgt Ion: 63 Resp: 1122189

Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.1	6.2
100	2.8	1.4	4.2



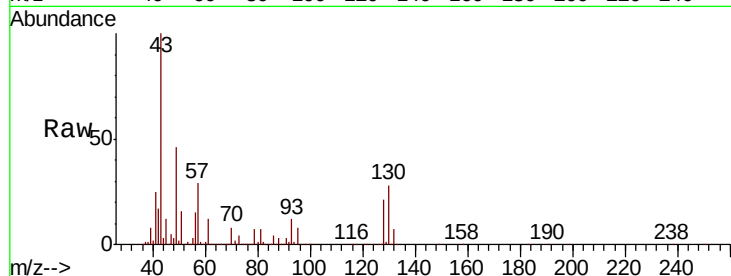
Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 98.00 (97.70 to 98.70): VL0
 Ion 100.00 (99.70 to 100.70): VL0





#25
Ethyl Acetate
Concen: 9.439 ppbv
RT: 5.67 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 5 May 2022 2:43

Tot Ion:	43	Resp:	3028297
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.1	12.1
61	9.7	7.8	11.6
70	7.0	5.6	8.4



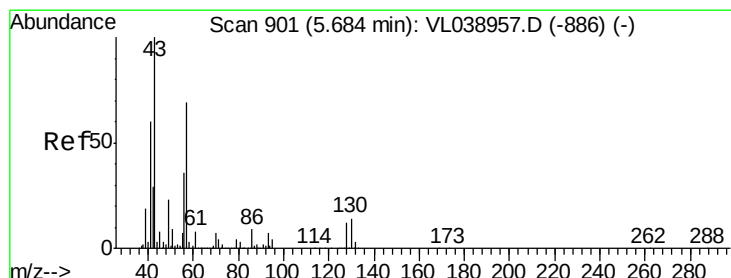
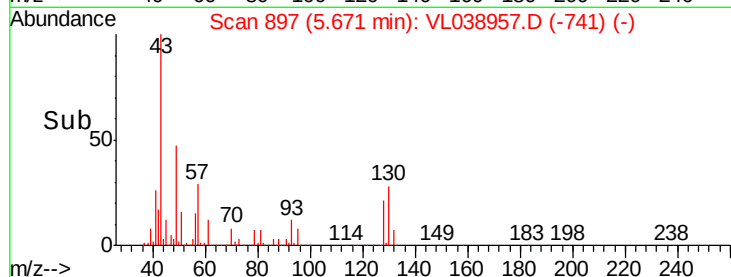
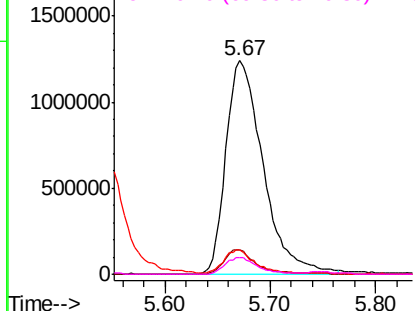
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

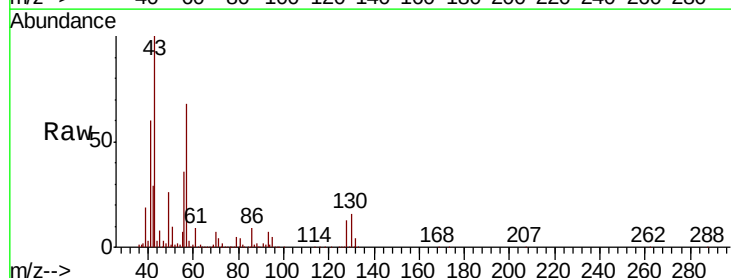
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 8.823 ppbv
RT: 5.68 min Scan# 901
Delta R.T.: 0.00 min
Lab File: VL038957.D
Acq: 5 May 2022 2:43

Tgt Ion:	57	Resp:	1289695
Ion	Ratio	Lower	Upper
57	100		
41	94.0	75.2	112.8
43	238.5	190.8	286.2
56	53.8	43.0	64.6



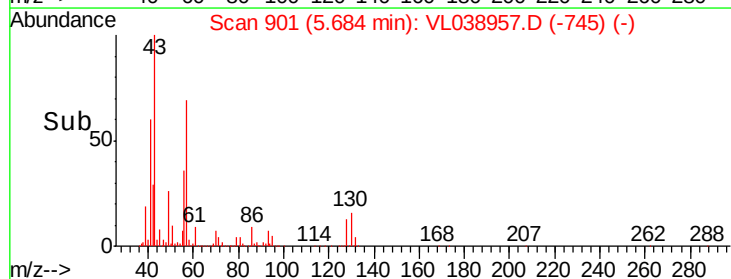
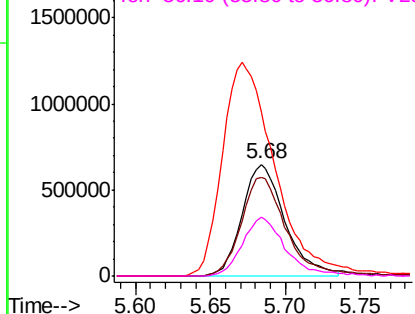
Abundance

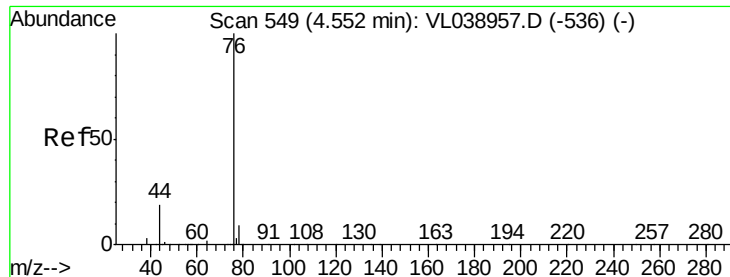
Ion 57.10 (56.80 to 57.80): VL0

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: 9.499 ppbv

RT: 4.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 May 2022 2:43

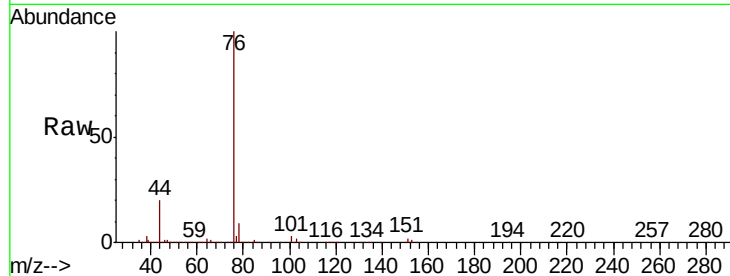
Tot Ion: 76 Resp: 1369144

Ion Ratio Lower Upper

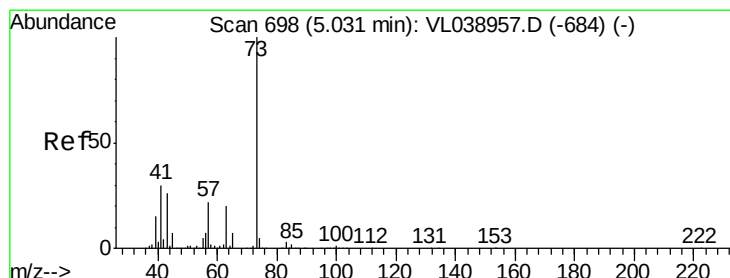
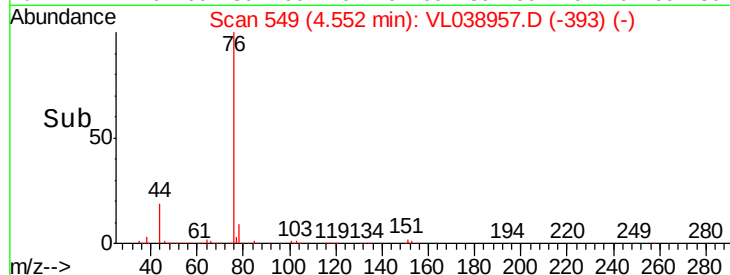
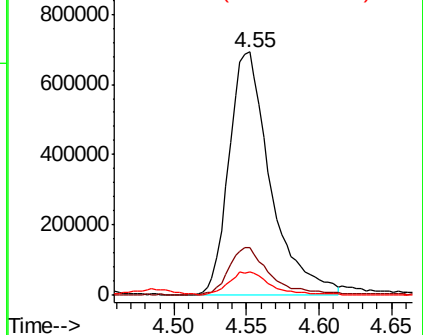
76 100

44 20.1 15.3 22.9

78 10.2 8.2 12.2



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: 6.411 ppbv

RT: 5.03 min Scan# 698

Delta R.T. 0.00 min

Lab File: VL038957.D

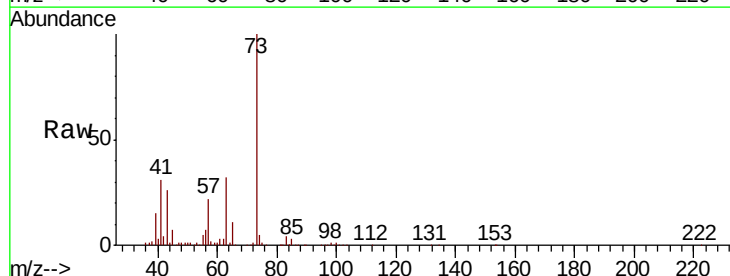
Acq: 5 May 2022 2:43

Tgt Ion: 73 Resp: 1035379

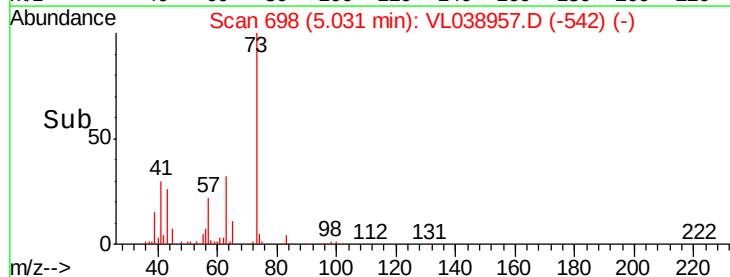
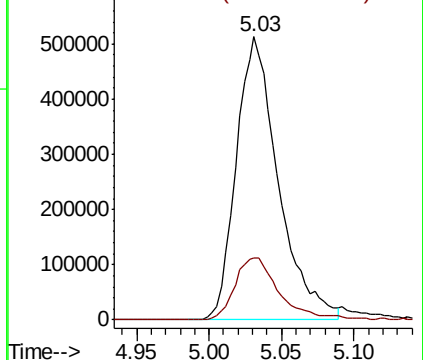
Ion Ratio Lower Upper

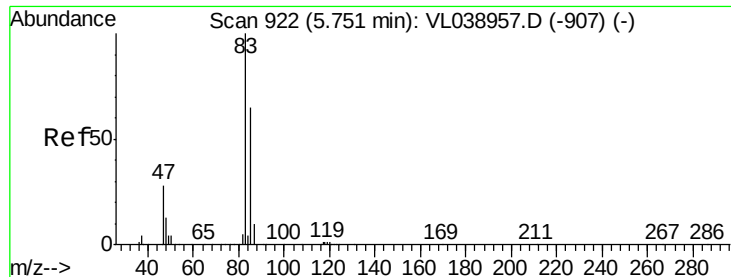
73 100

57 23.5 18.8 28.2



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





#29

Chloroform

Concen: 9.162 ppbv

RT: 5.75 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

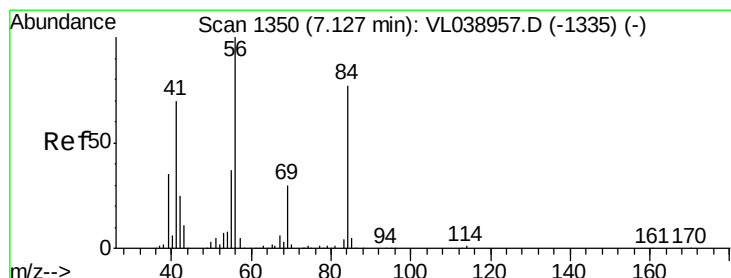
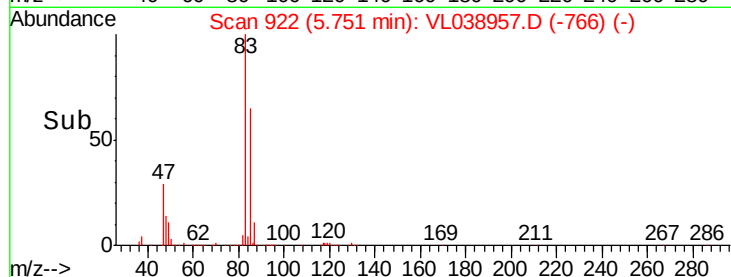
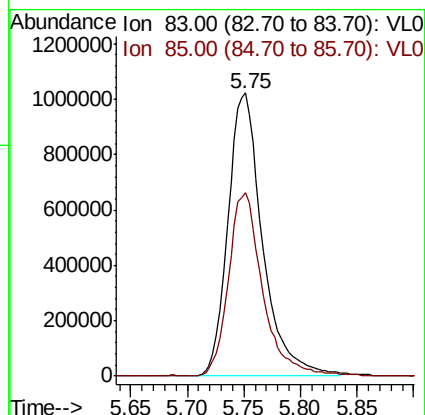
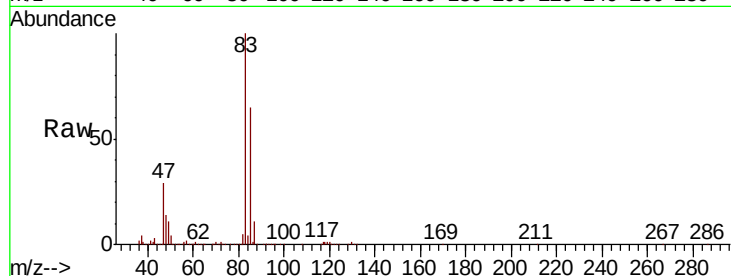
Acq: 5 May 2022 2:43

Tot Ion: 83 Resp: 2176000

Ion Ratio Lower Upper

83 100

85 64.7 51.8 77.6



#30

Cyclohexane

Concen: 9.172 ppbv

RT: 7.13 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VL038957.D

Acq: 5 May 2022 2:43

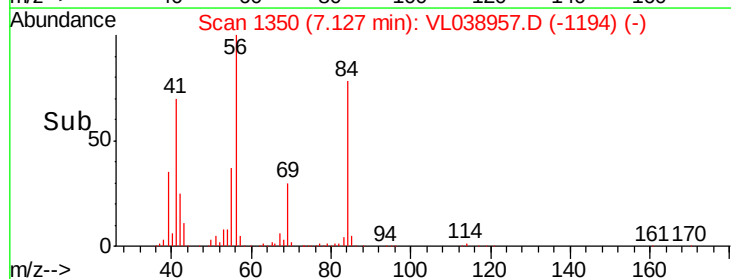
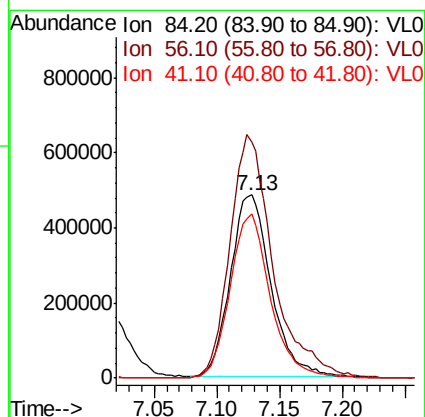
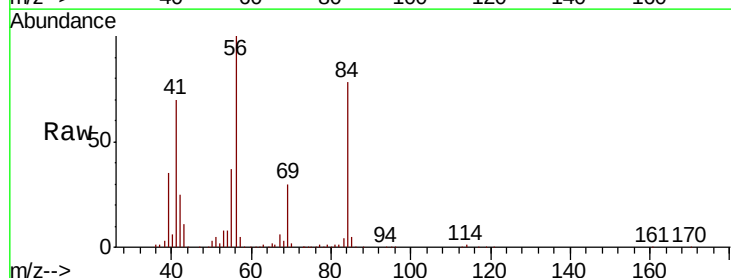
Tgt Ion: 84 Resp: 1086032

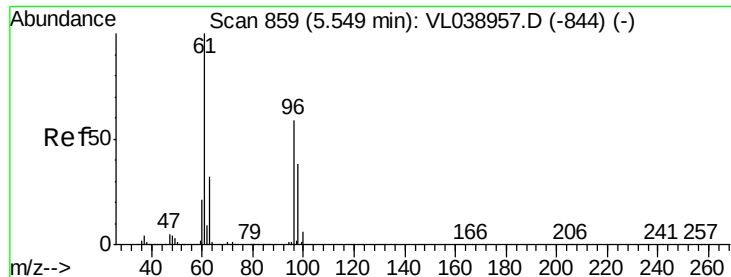
Ion Ratio Lower Upper

84 100

56 144.1 115.3 172.9

41 90.0 72.0 108.0





#31

cis-1,2-Dichloroethene

Concen: 9.684 ppbv

RT: 5.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 May 2022 2:43

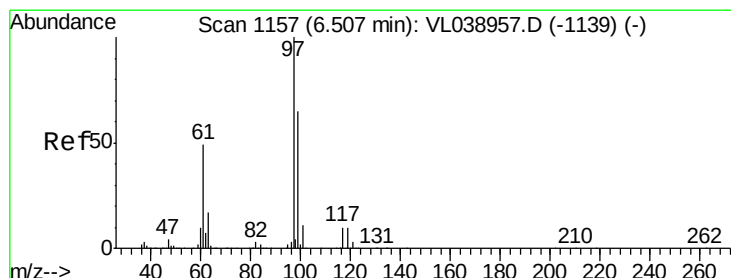
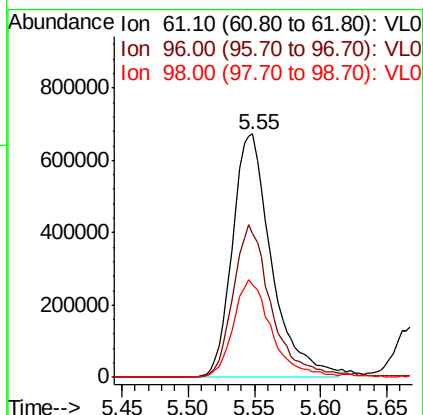
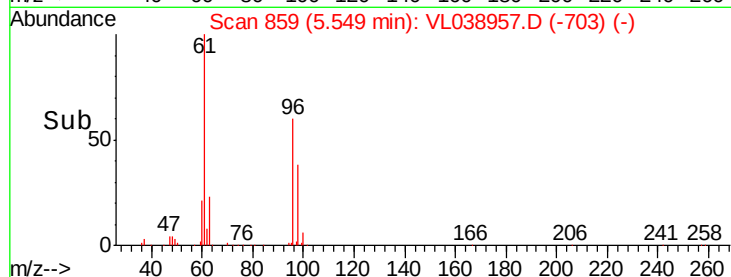
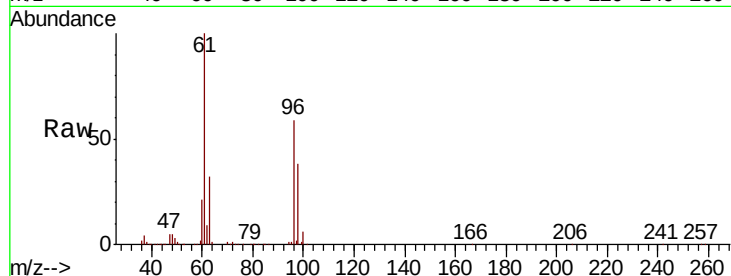
Tot Ion: 61 Resp: 1383187

Ion Ratio Lower Upper

61 100

96 59.2 47.4 71.0

98 38.2 30.6 45.8



#32

1,1,1-Trichloroethane

Concen: 9.141 ppbv

RT: 6.51 min Scan# 1157

Delta R.T. 0.00 min

Lab File: VL038957.D

Acq: 5 May 2022 2:43

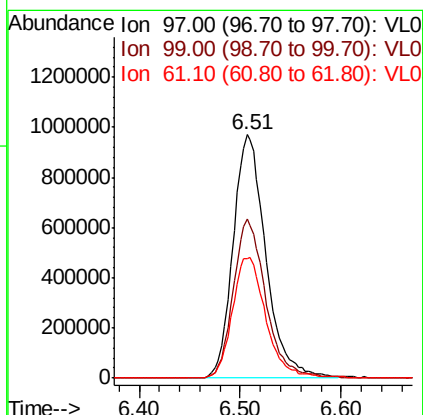
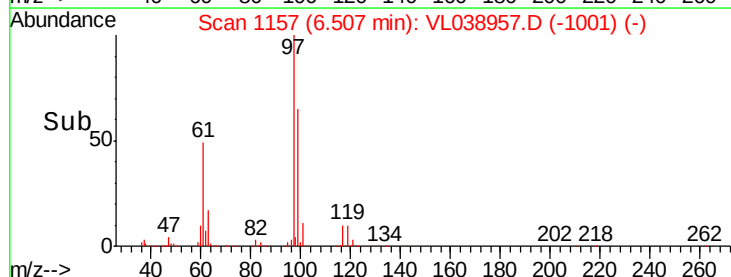
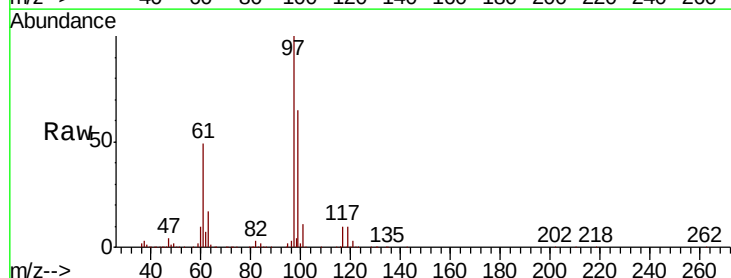
Tgt Ion: 97 Resp: 2186237

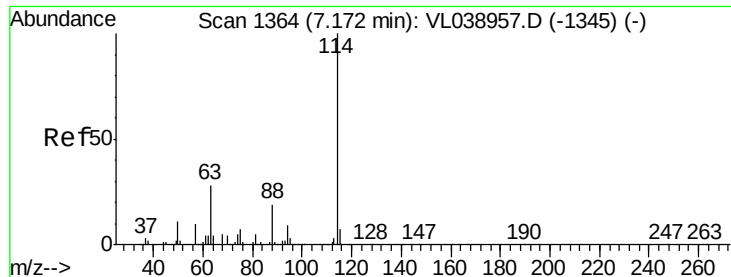
Ion Ratio Lower Upper

97 100

99 65.0 51.9 77.9

61 51.2 40.9 61.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 May 2022 2:43

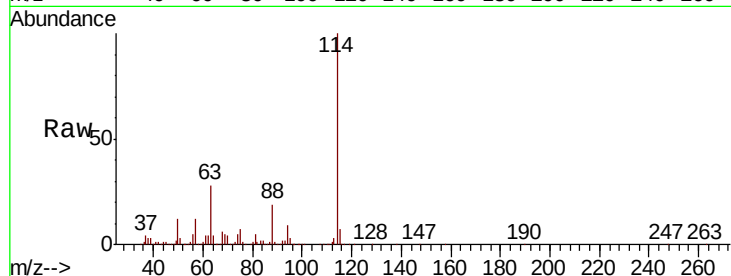
Tot Ion:114 Resp: 3310040

Ion Ratio Lower Upper

114 100

63 28.2 22.6 33.8

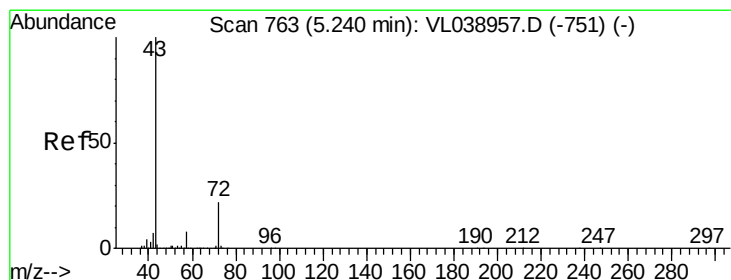
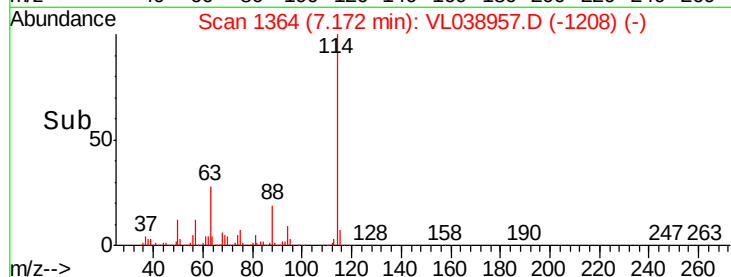
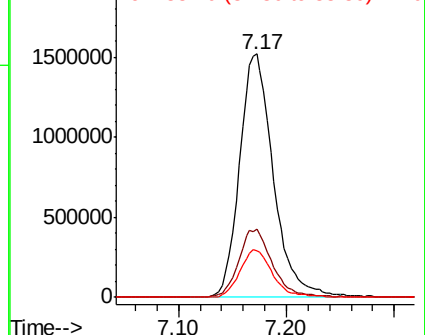
88 19.2 15.4 23.0



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 10.153 ppbv

RT: 5.24 min Scan# 763

Delta R.T. 0.00 min

Lab File: VL038957.D

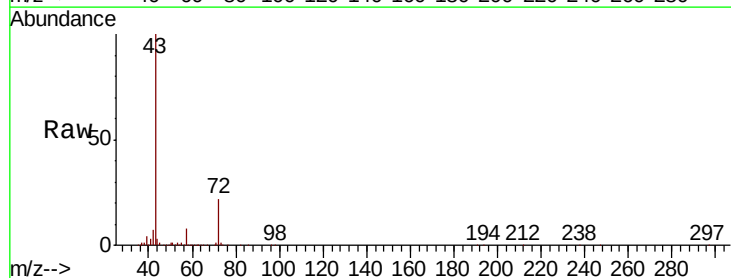
Acq: 5 May 2022 2:43

Tgt Ion: 43 Resp: 1668153

Ion Ratio Lower Upper

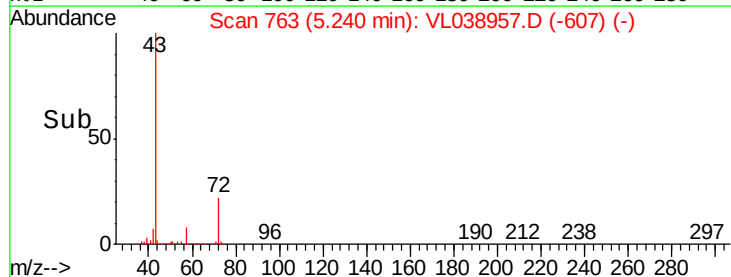
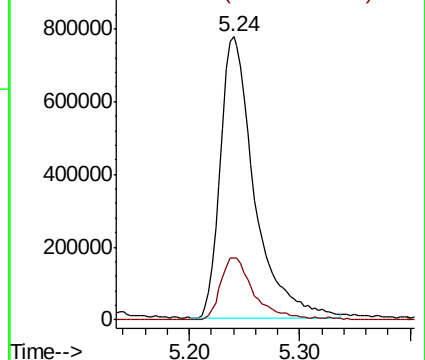
43 100

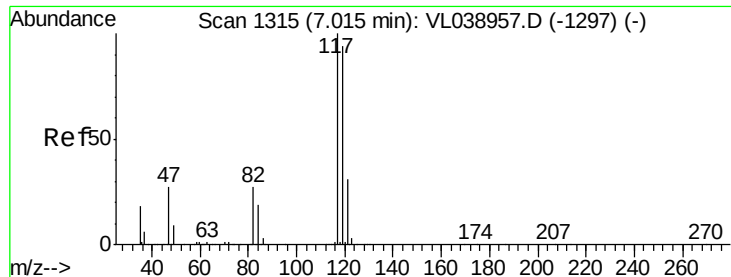
72 22.5 17.8 26.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

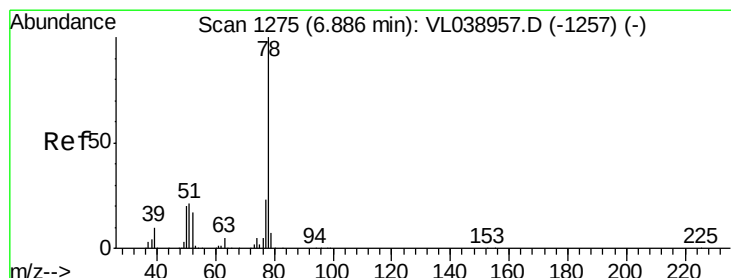
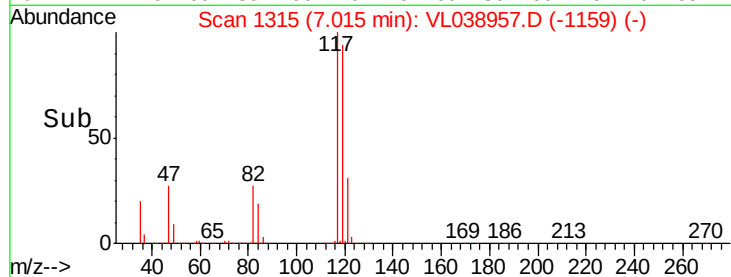
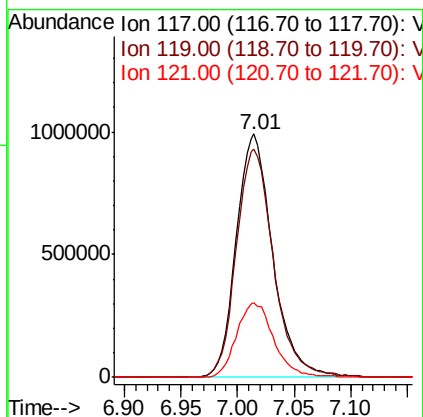
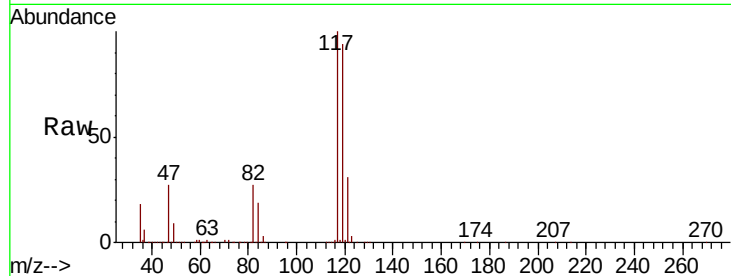




#35
 Carbon Tetrachloride
 Concen: 8.765 ppbv
 RT: 7.01 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 5 May 2022 2:43

Tot Ion:117 Resp: 2224494

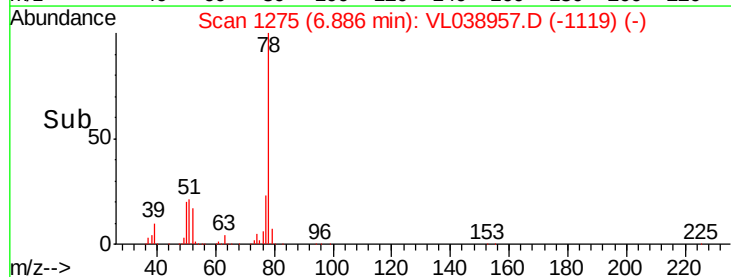
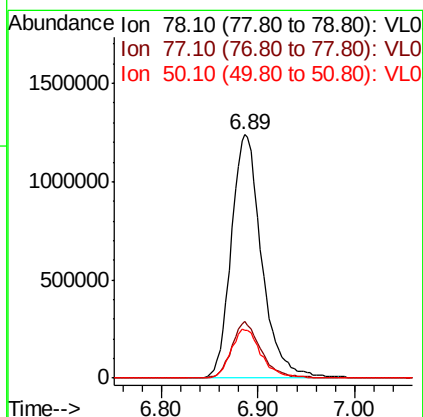
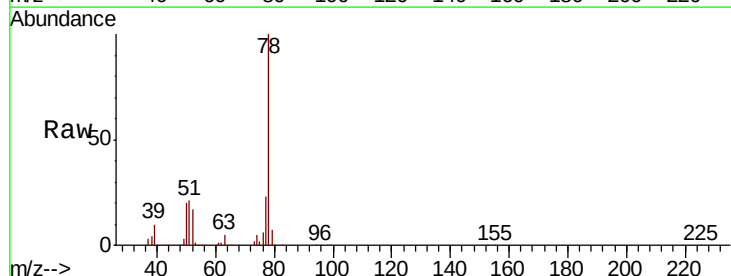
Ion	Ratio	Lower	Upper
117	100		
119	94.0	75.2	112.8
121	30.8	24.6	37.0

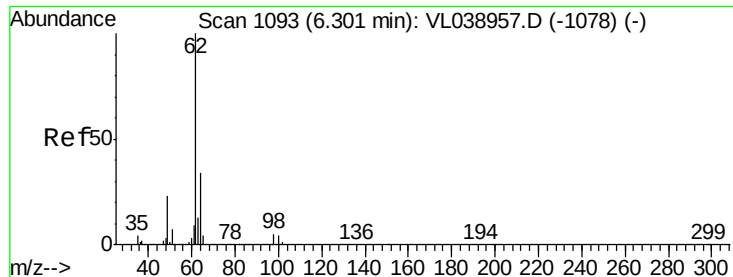


#36
 Benzene
 Concen: 8.965 ppbv
 RT: 6.89 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VL038957.D
 Acq: 5 May 2022 2:43

Tgt Ion: 78 Resp: 2707367

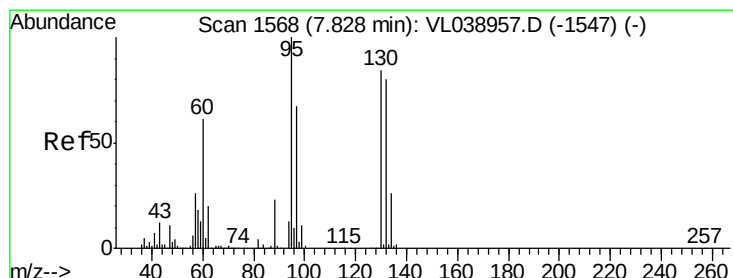
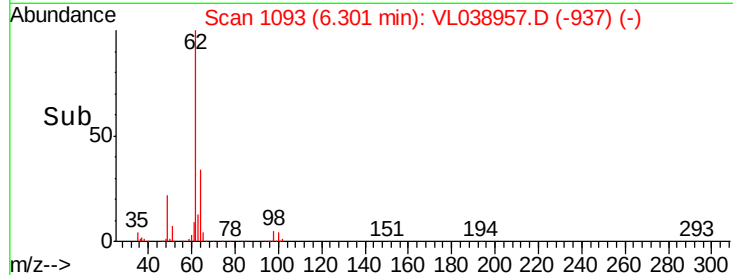
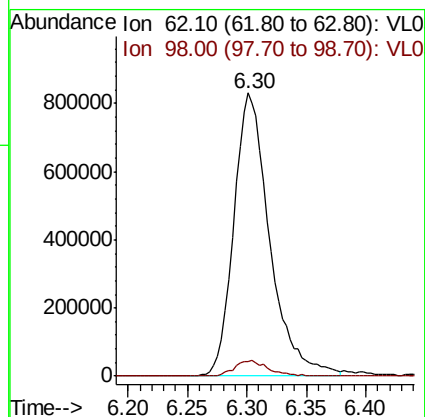
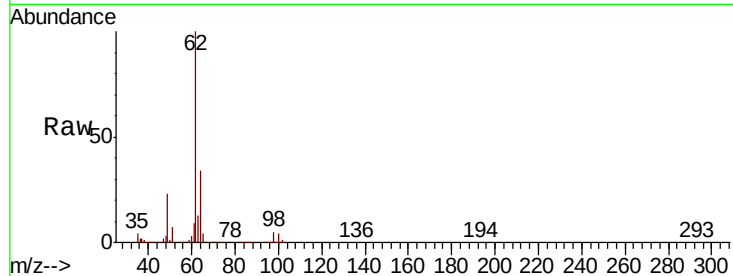
Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.6	28.0
50	19.5	15.6	23.4





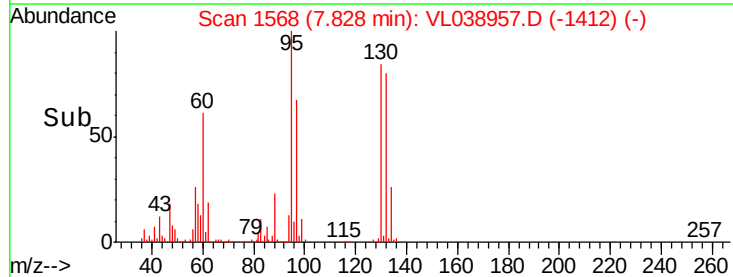
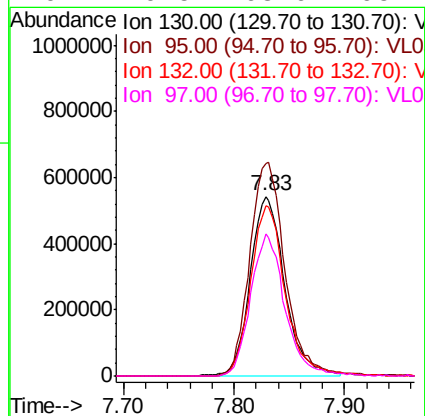
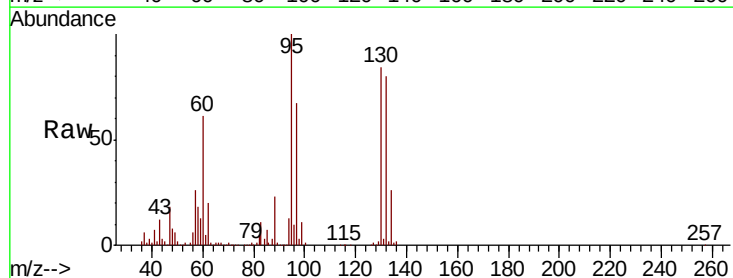
#37
 1,2-Dichloroethane
 Concen: 9.609 ppbv
 RT: 6.30
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 5 May 2022 2:43

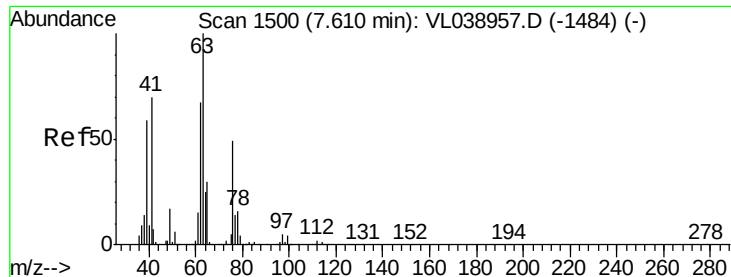
Tot Ion: 62 Resp: 1737086
 Ion Ratio Lower Upper
 62 100
 98 5.6 4.5 6.7



#38
 Trichloroethene
 Concen: 9.717 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VL038957.D
 Acq: 5 May 2022 2:43

Tgt Ion: 130 Resp: 1174951
 Ion Ratio Lower Upper
 130 100
 95 118.5 94.8 142.2
 132 94.8 75.8 113.8
 97 79.5 63.6 95.4





#39

1,2-Dichloropropane

Concen: 8.820 ppbv

RT: 7.61 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 May 2022 2:43

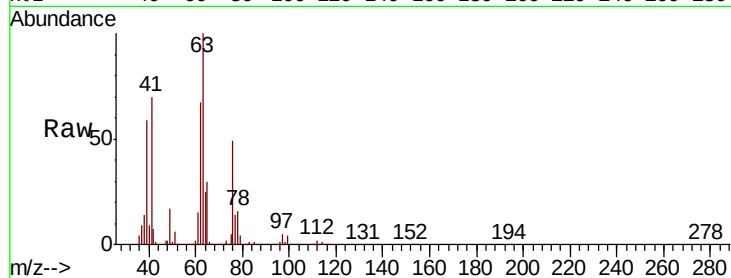
Tot Ion: 63 Resp: 1079002

Ion Ratio Lower Upper

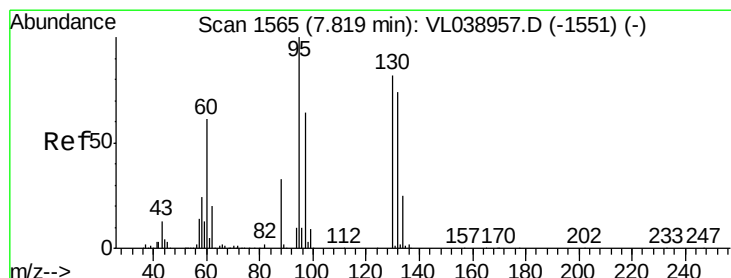
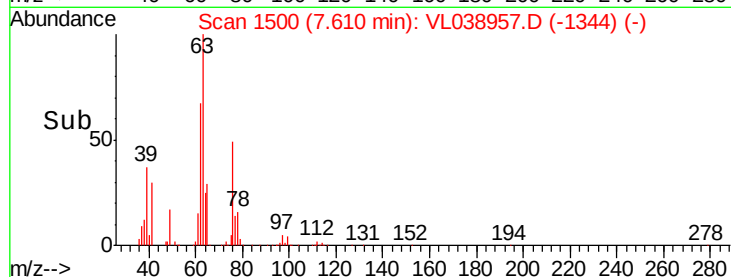
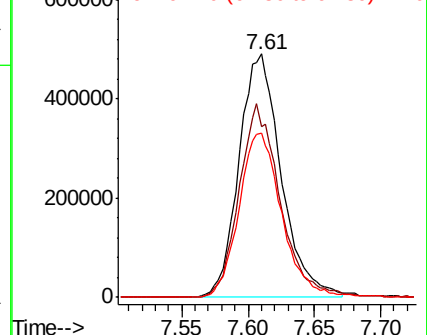
63 100

41 69.9 55.9 83.9

62 67.2 53.8 80.6



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 12.369 ppbv

RT: 7.82 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VL038957.D

Acq: 5 May 2022 2:43

Tgt Ion: 88 Resp: 388399

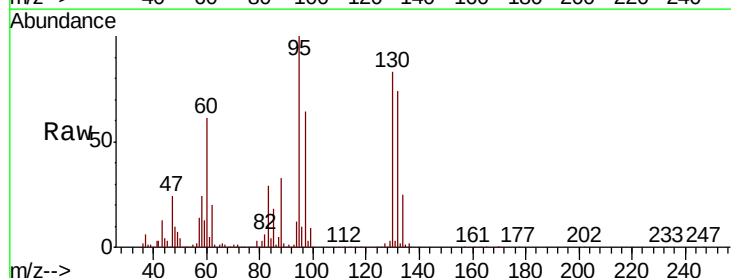
Ion Ratio Lower Upper

88 100

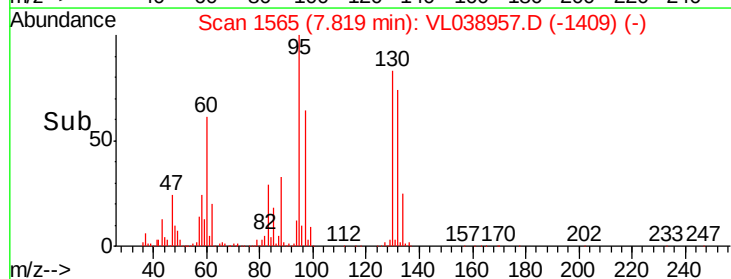
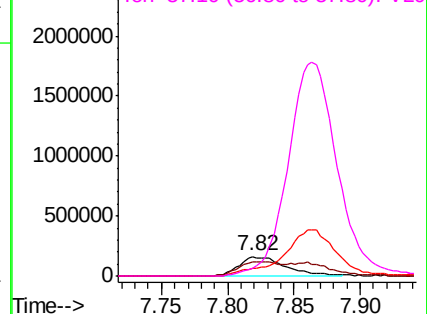
58 133.2 106.1 159.1

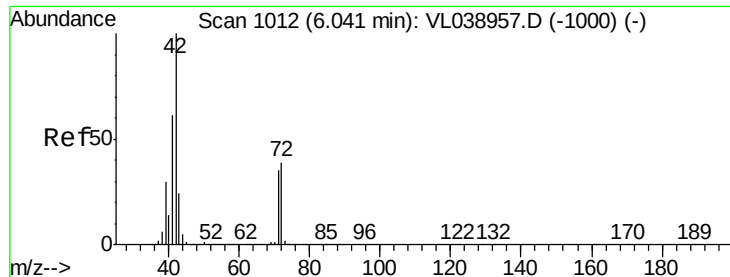
43 278.8 222.9 334.3

57 1197.4 957.6 1436.4



Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 13.692 ppbv

RT: 6.04 Instrument:

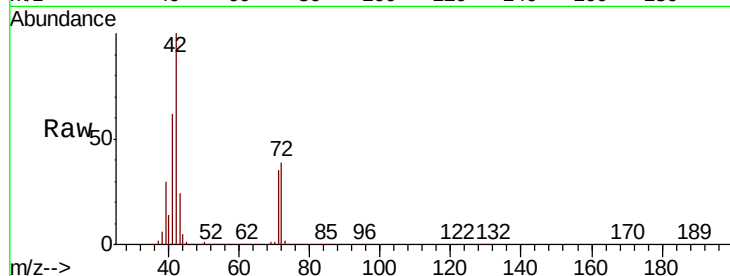
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 May 2022 2:43

Tot Ion: 42 Resp: 1117477

Ion	Ratio	Lower	Upper
42	100		
72	39.7	31.8	47.6
71	38.2	30.6	45.8

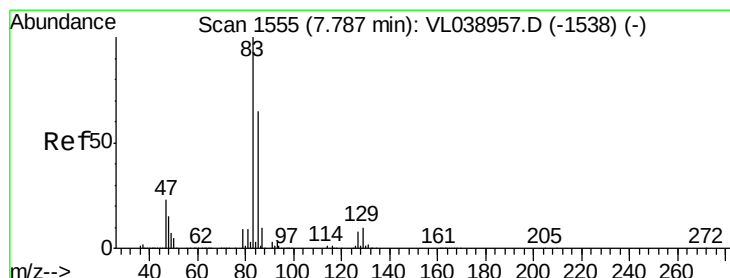
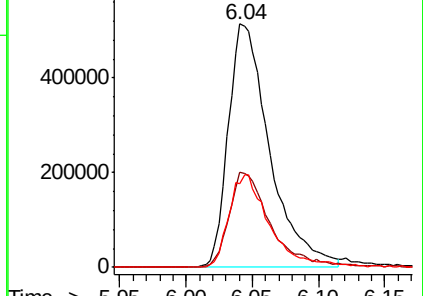
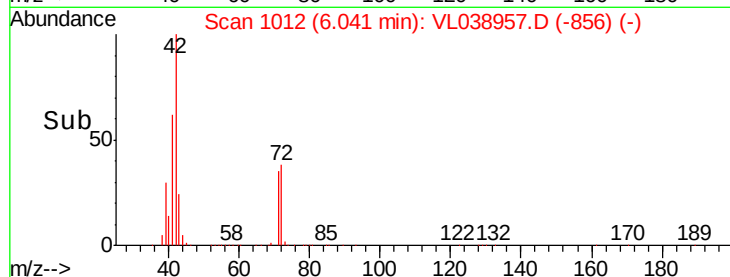


Abundance

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: 9.816 ppbv

RT: 7.79 min Scan# 1555

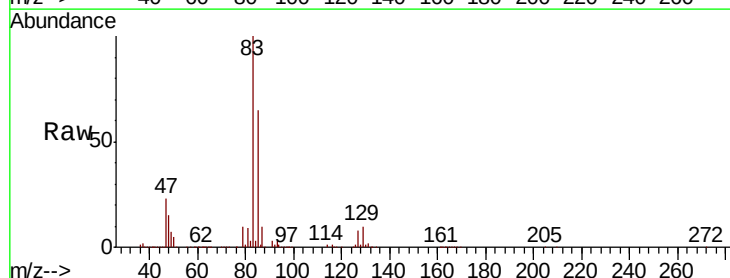
Delta R.T. 0.00 min

Lab File: VL038957.D

Acq: 5 May 2022 2:43

Tgt Ion: 83 Resp: 2411774

Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.0	78.0
127	7.5	6.0	9.0

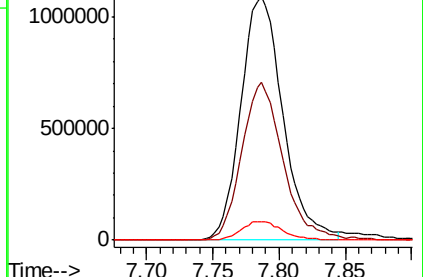
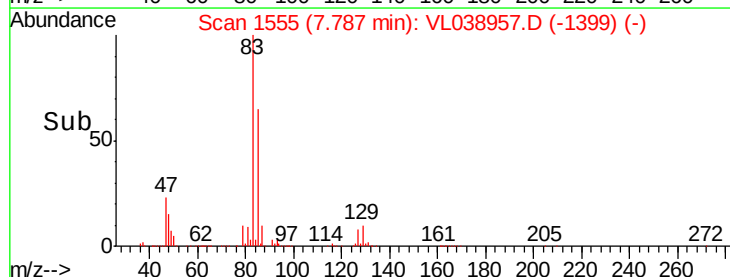


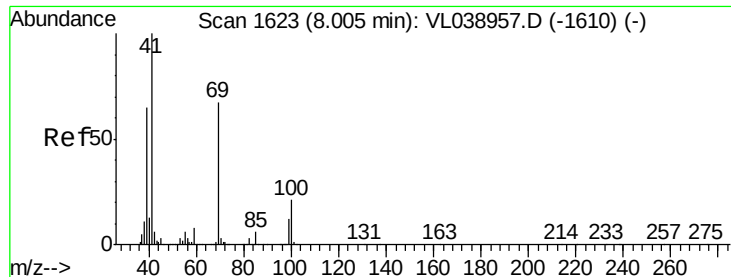
Abundance

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): VL0

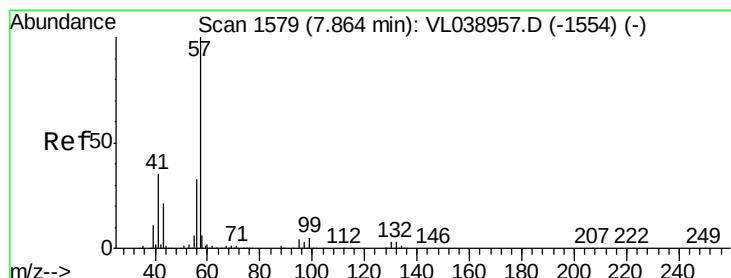
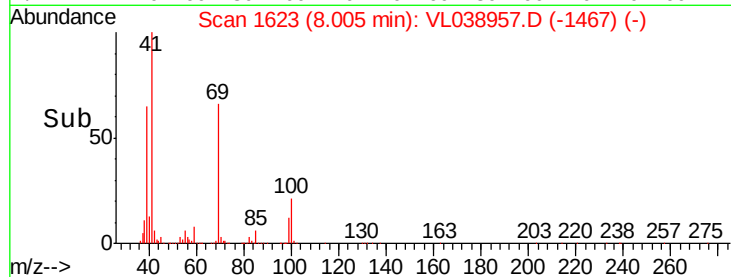
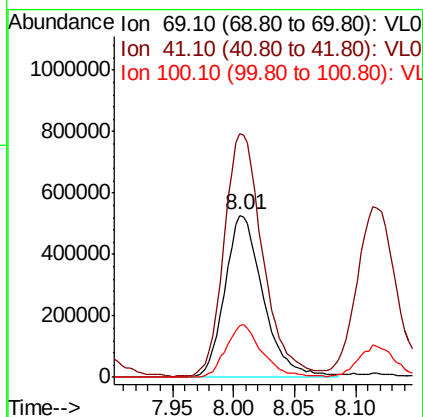
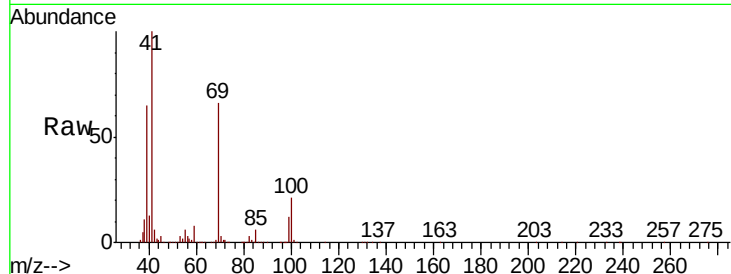




#43
Methyl Methacrylate
Concen: 11.043 ppbv
RT: 8.01
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 5 May 2022 2:43

Tot Ion: 69 Resp: 1150649

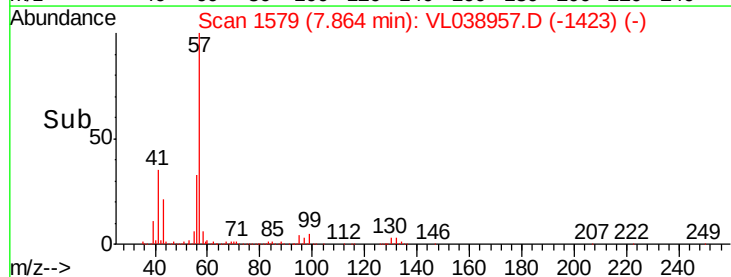
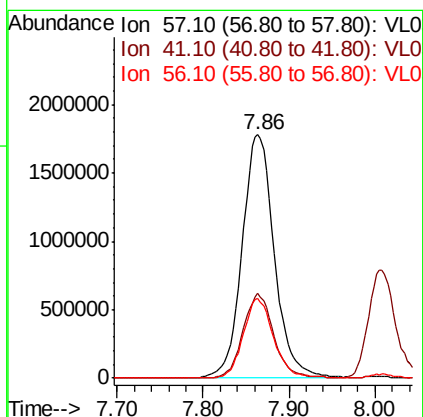
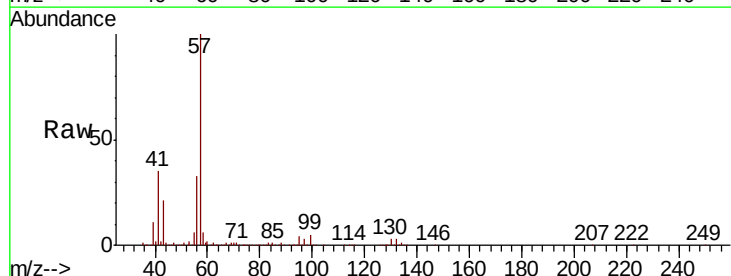
Ion	Ratio	Lower	Upper
69	100		
41	152.8	121.9	182.9
100	30.6	24.6	36.8

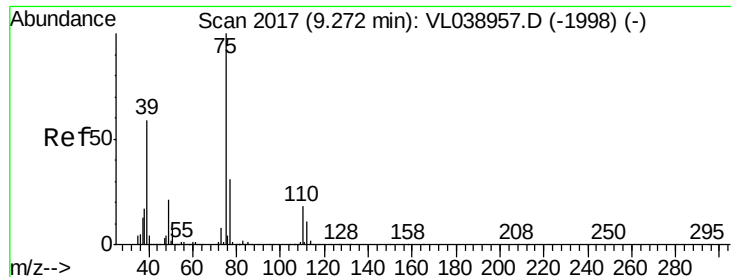


#44
2,2,4-Trimethylpentane
Concen: 8.682 ppbv
RT: 7.86 min Scan# 1579
Delta R.T.: 0.00 min
Lab File: VL038957.D
Acq: 5 May 2022 2:43

Tgt Ion: 57 Resp: 4637070

Ion	Ratio	Lower	Upper
57	100		
41	33.0	26.3	39.5
56	30.8	24.6	37.0





#45

t-1,3-Dichloropropene

Concen: 11.242 ppbv

RT: 9.27 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

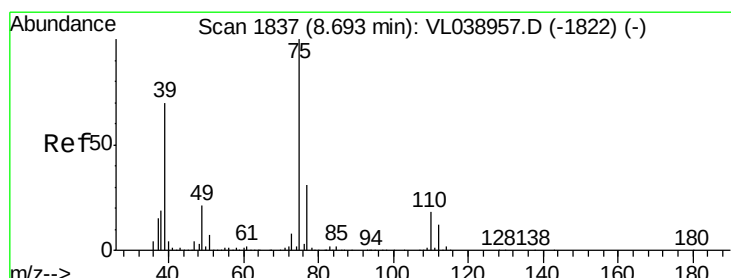
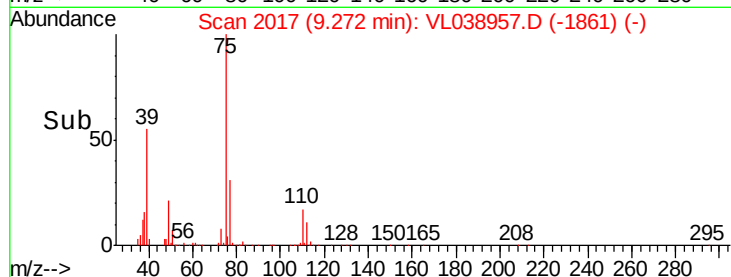
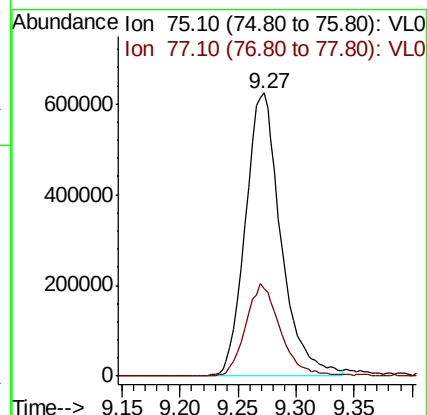
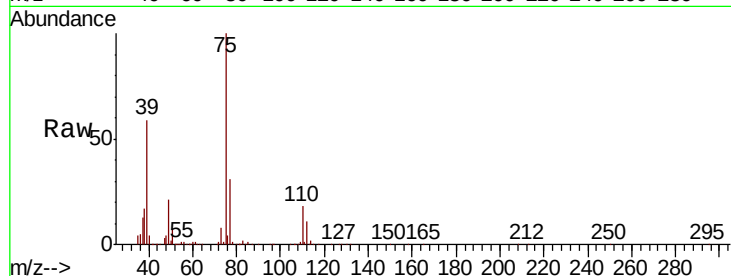
Acq: 5 May 2022 2:43

Tot Ion: 75 Resp: 1328128

Ion Ratio Lower Upper

75 100

77 30.8 24.6 37.0



#46

cis-1,3-Dichloropropene

Concen: 10.630 ppbv

RT: 8.69 min Scan# 1837

Delta R.T. 0.00 min

Lab File: VL038957.D

Acq: 5 May 2022 2:43

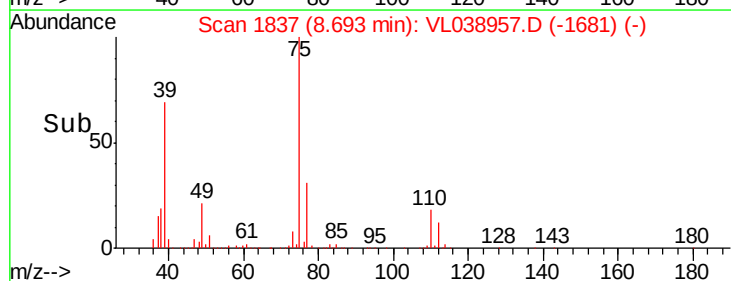
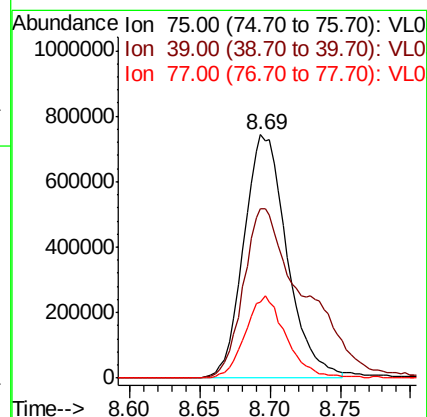
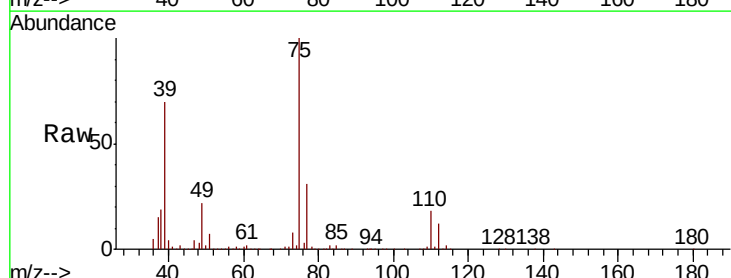
Tgt Ion: 75 Resp: 1595585

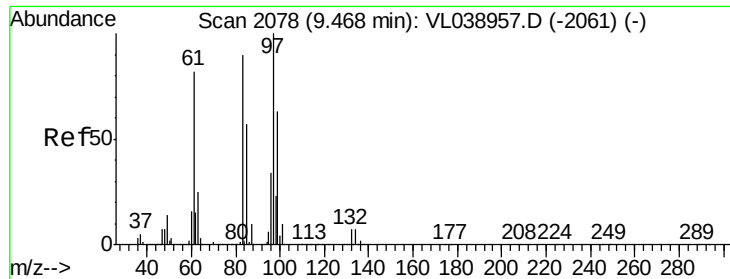
Ion Ratio Lower Upper

75 100

39 69.7 55.8 83.6

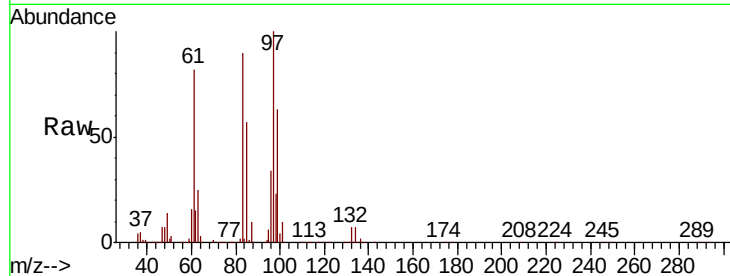
77 31.0 24.8 37.2





#47
 1,1,2-Trichloroethane
 Concen: 8.878 ppbv
 RT: 9.47 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 May 2022 2:43

Tot Ion:	97	Resp:	1105222
Ion	Ratio	Lower	Upper
97	100		
83	90.0	72.0	108.0
85	57.1	45.7	68.5
99	62.8	50.2	75.4



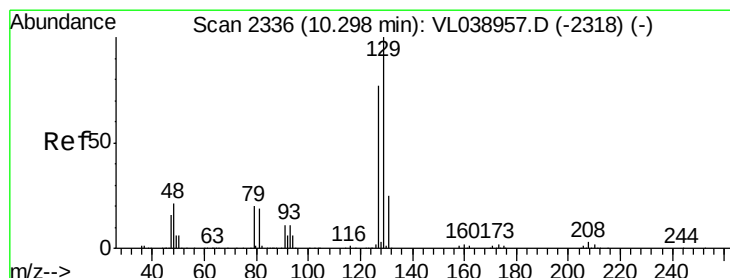
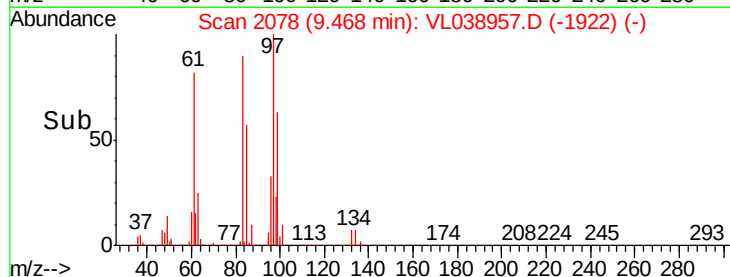
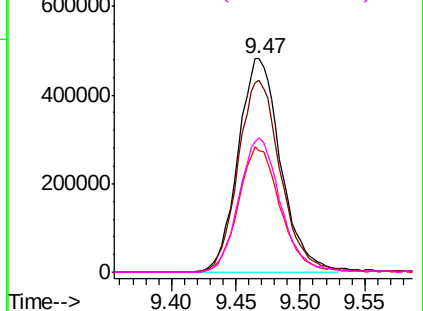
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

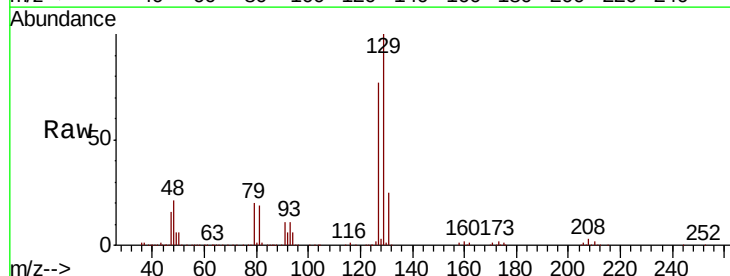
Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 10.120 ppbv
 RT: 10.30 min Scan# 2336
 Delta R.T. 0.00 min
 Lab File: VL038957.D
 Acq: 5 May 2022 2:43

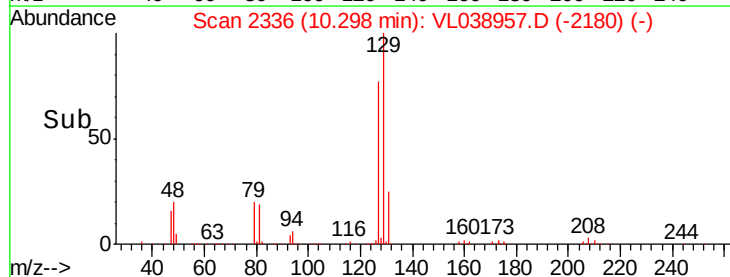
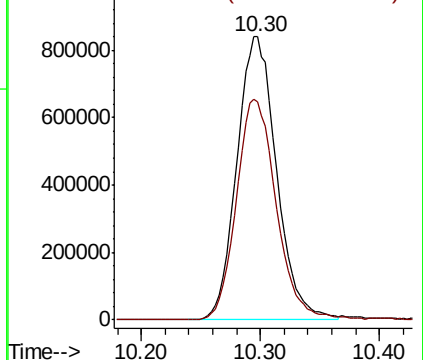
Tgt Ion:	129	Resp:	1937184
Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.3	117.9

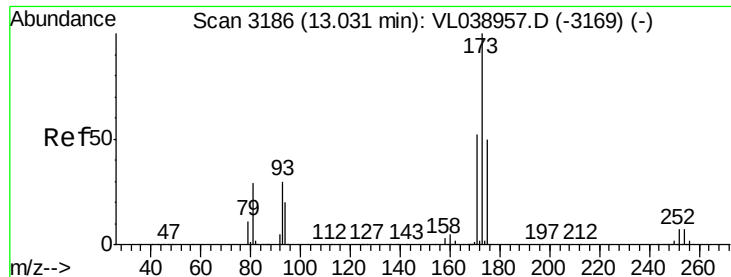


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.038 ppbv

RT: 13.03

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 5 May 2022 2:43

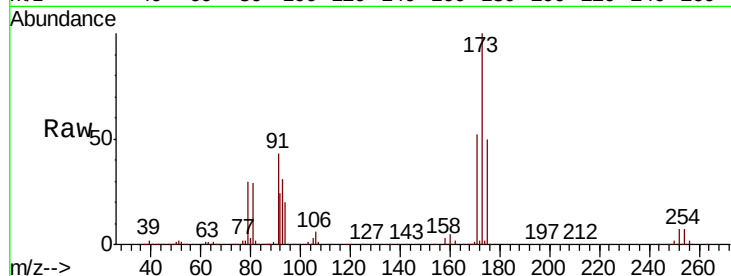
Tot Ion:173 Resp: 1537764

Ion Ratio Lower Upper

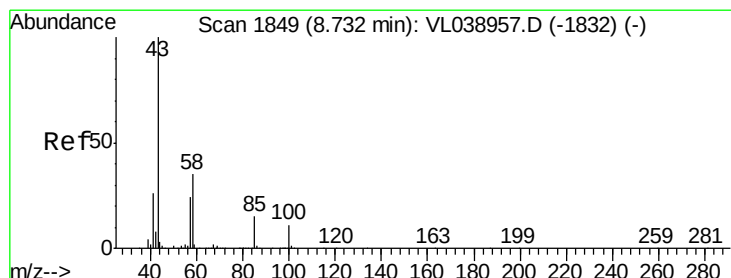
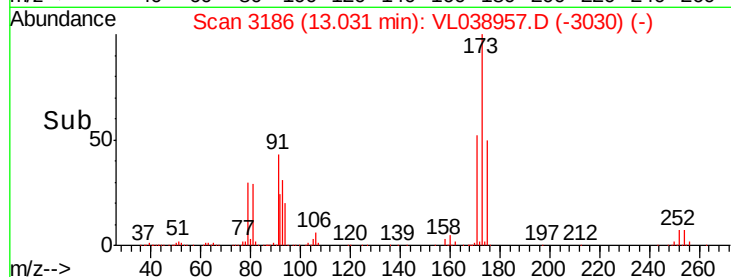
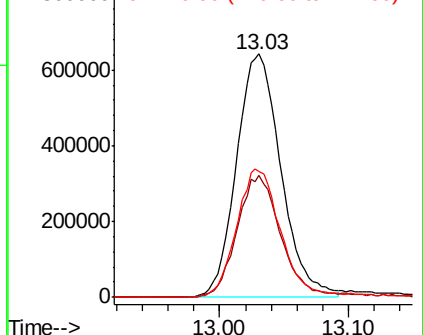
173 100

175 50.5 41.0 61.6

171 54.1 42.6 64.0



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: 11.927 ppbv

RT: 8.73 min Scan# 1849

Delta R.T. 0.00 min

Lab File: VL038957.D

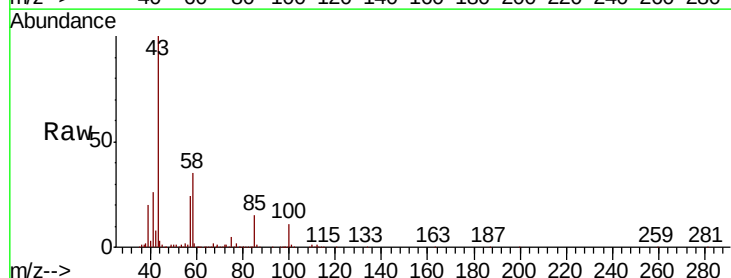
Acq: 5 May 2022 2:43

Tgt Ion: 43 Resp: 2929512

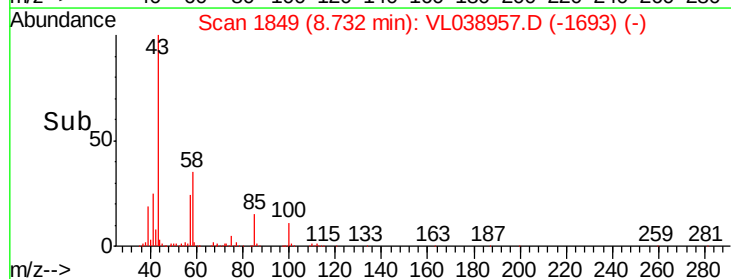
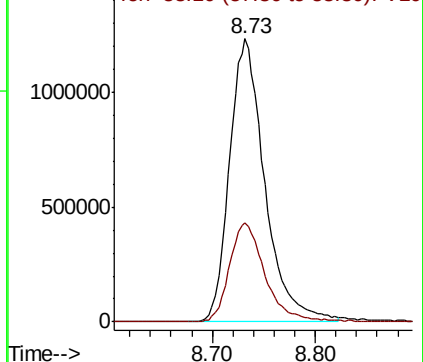
Ion Ratio Lower Upper

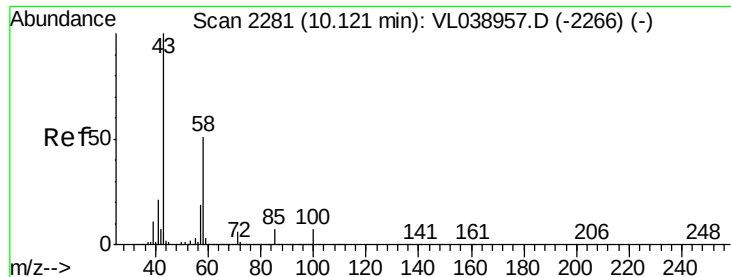
43 100

58 35.5 28.4 42.6



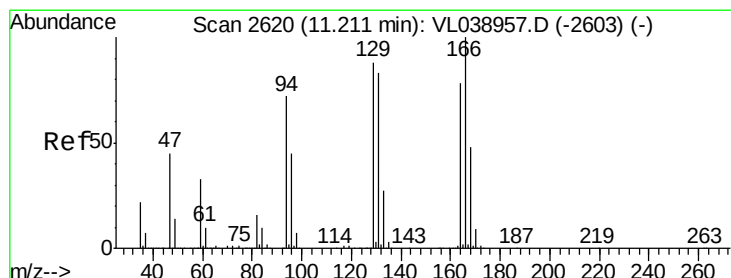
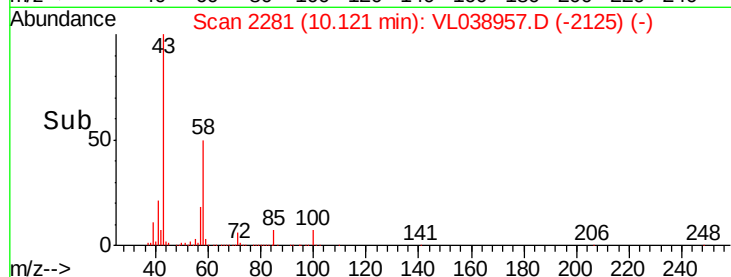
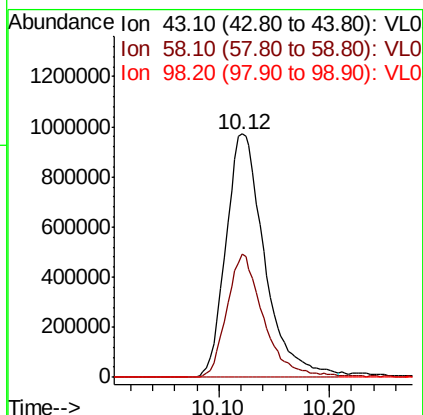
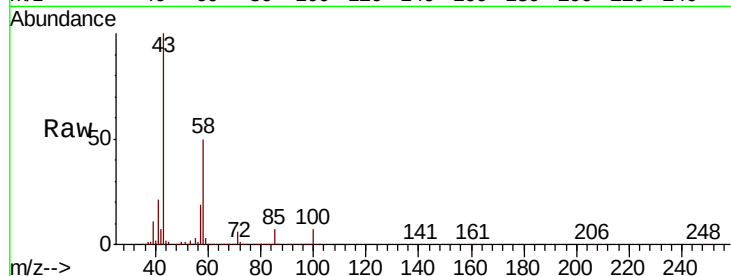
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





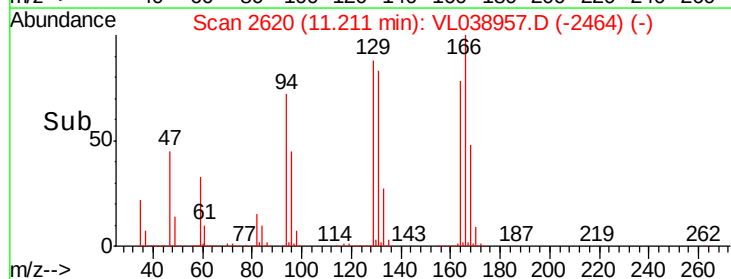
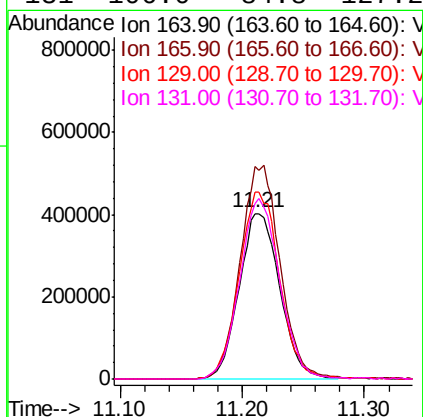
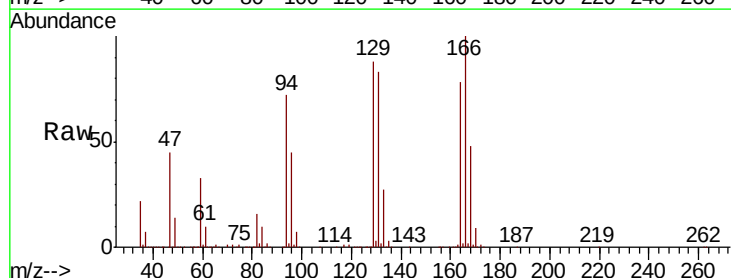
#51
 2-Hexanone
 Concen: 16.931 ppbv
 RT: 10.12 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 May 2022 2:43

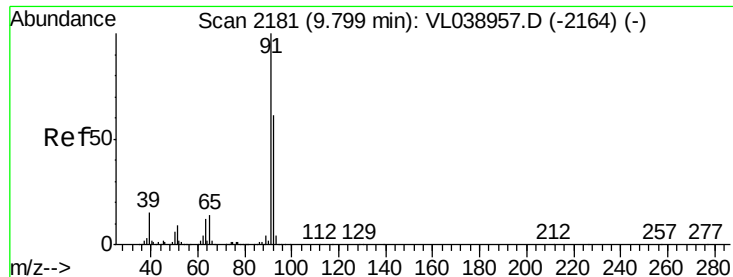
Tot Ion: 43 Resp: 2353767
 Ion Ratio Lower Upper
 43 100
 58 49.1 39.3 58.9
 98 0.2 0.2 0.2



#52
 Tetrachloroethene
 Concen: 8.306 ppbv
 RT: 11.21 min Scan# 2620
 Delta R.T. 0.00 min
 Lab File: VL038957.D
 Acq: 5 May 2022 2:43

Tgt Ion: 164 Resp: 926097
 Ion Ratio Lower Upper
 164 100
 166 128.1 102.5 153.7
 129 112.6 90.1 135.1
 131 106.0 84.8 127.2





#53

Toluene

Concen: 9.605 ppbv

RT: 9.80 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

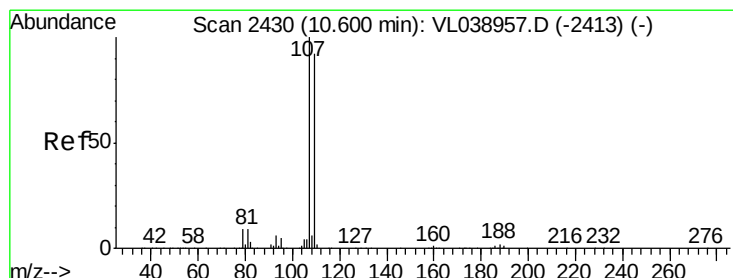
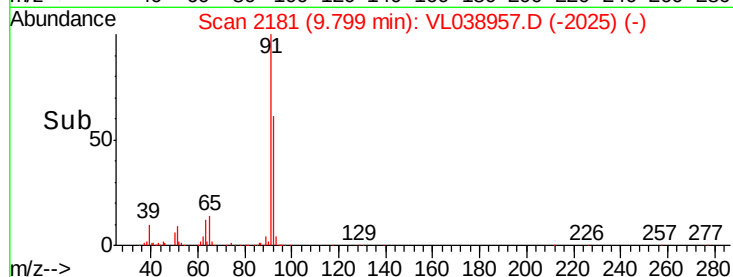
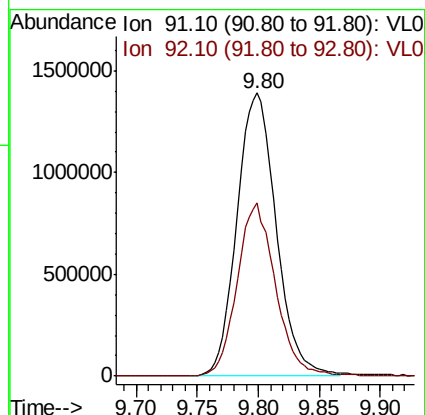
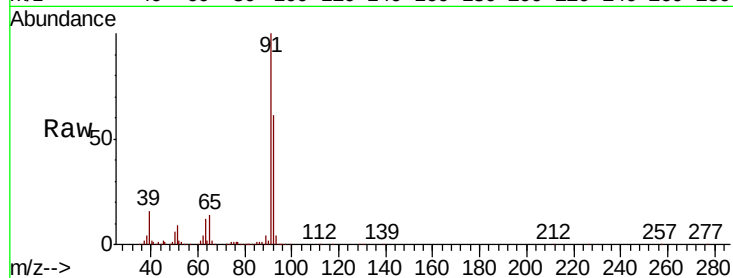
Acq: 5 May 2022 2:43

Tot Ion: 91 Resp: 3097357

Ion Ratio Lower Upper

91 100

92 60.0 48.2 72.2



#54

1,2-Dibromoethane

Concen: 9.043 ppbv

RT: 10.60 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VL038957.D

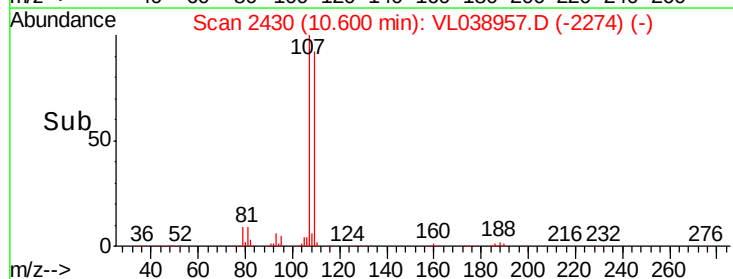
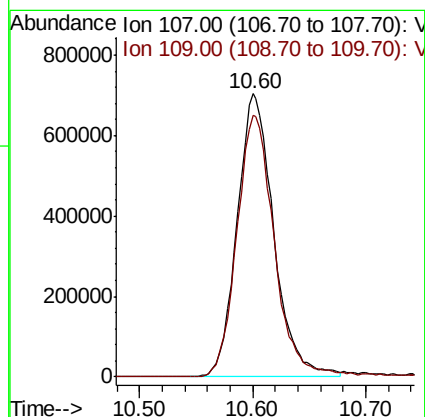
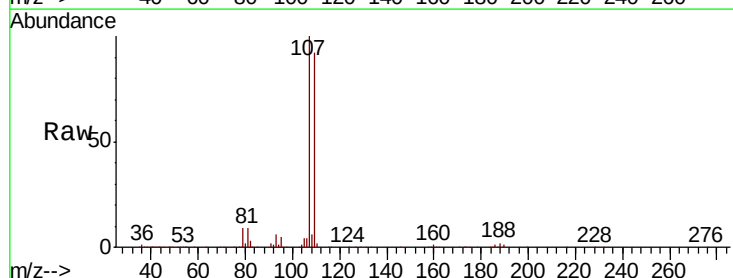
Acq: 5 May 2022 2:43

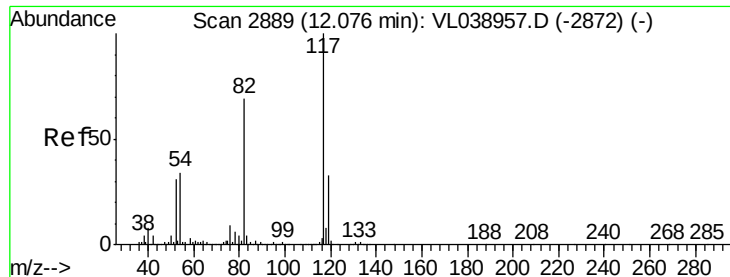
Tgt Ion: 107 Resp: 1585476

Ion Ratio Lower Upper

107 100

109 92.3 73.8 110.8

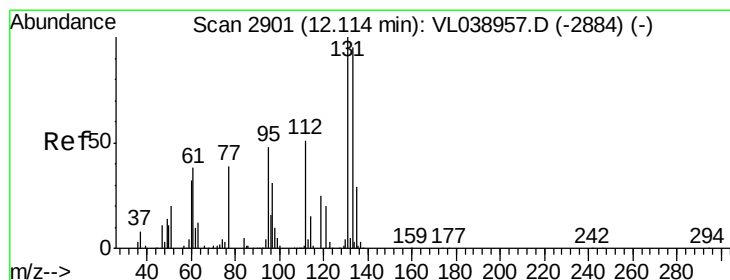
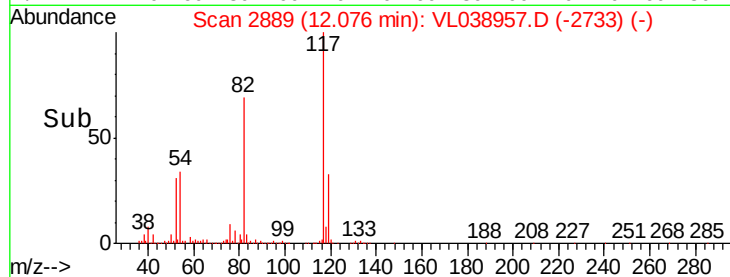
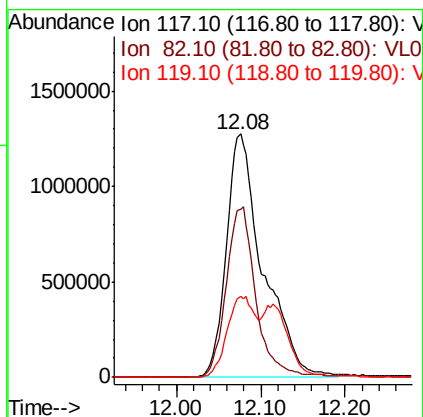
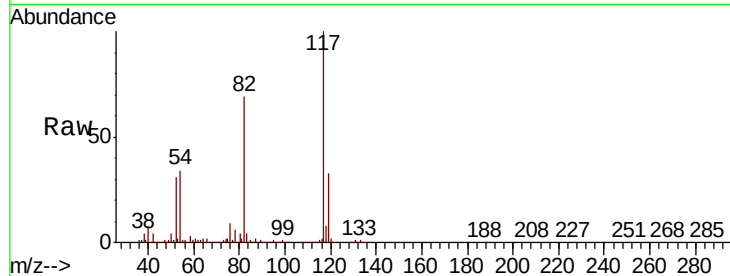




#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.08 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 5 May 2022 2:43

Tot Ion:117 Resp: 3841723

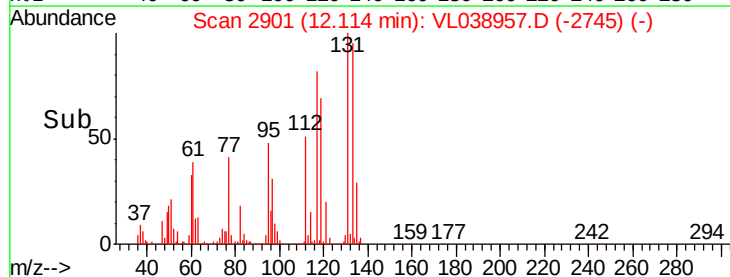
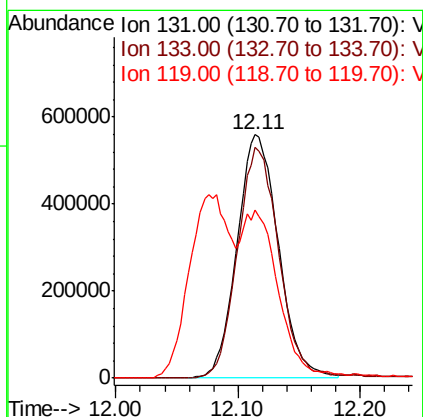
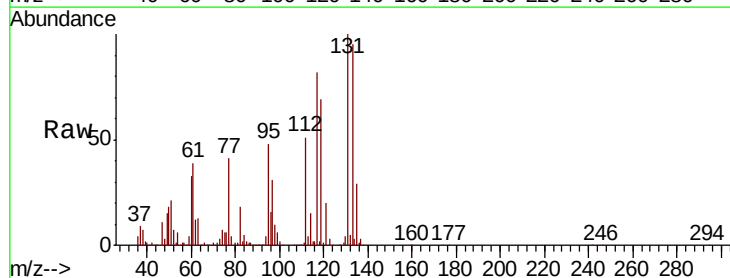
Ion	Ratio	Lower	Upper
117	100		
82	57.1	57.0	85.6
119	24.4	27.2	40.8#

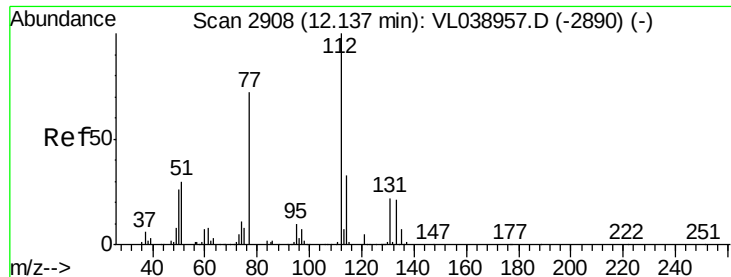


#56
 1,1,1,2-Tetrachloroethane
 Concen: 7.574 ppbv
 RT: 12.11 min Scan# 2901
 Delta R.T.: 0.00 min
 Lab File: VL038957.D
 Acq: 5 May 2022 2:43

Tgt Ion:131 Resp: 1310675

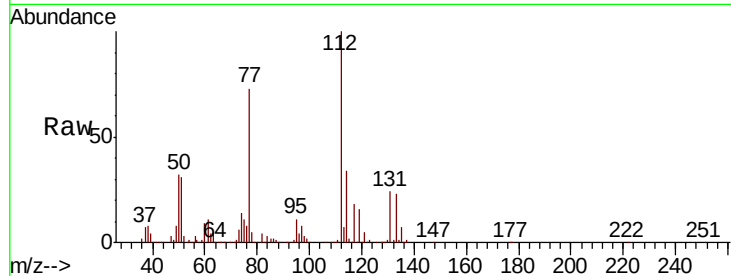
Ion	Ratio	Lower	Upper
131	100		
133	96.1	76.9	115.3
119	67.3	47.4	71.0



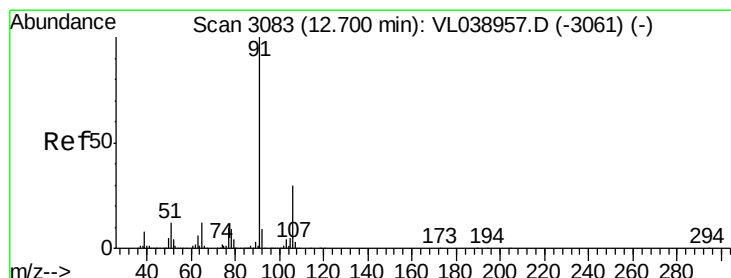
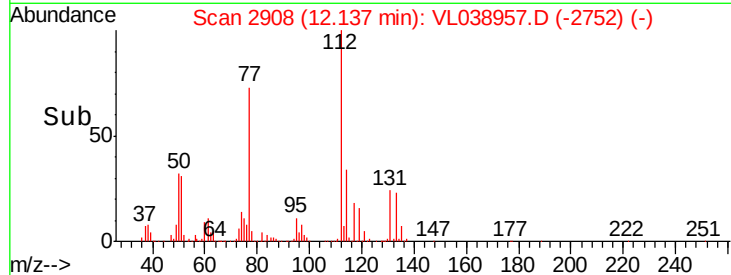
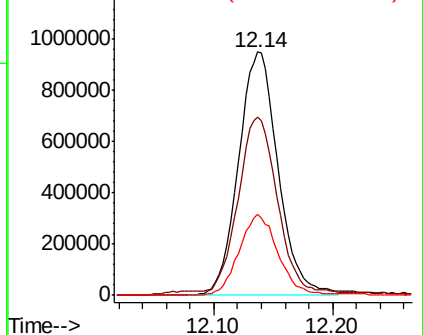


#57
Chlorobenzene
Concen: 6.813 ppbv
RT: 12.14 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 5 May 2022 2:43

Tot Ion: 112 Resp: 2189457
Ion Ratio Lower Upper
112 100
77 72.1 57.7 86.5
114 33.4 30.1 36.7

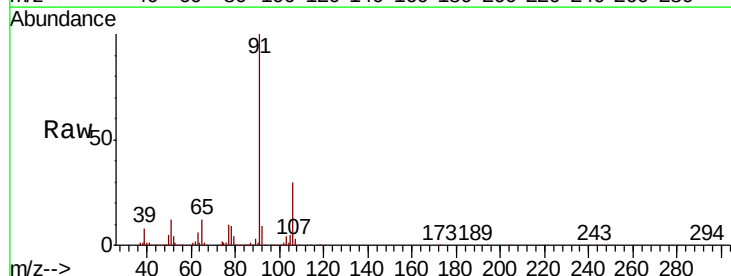


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

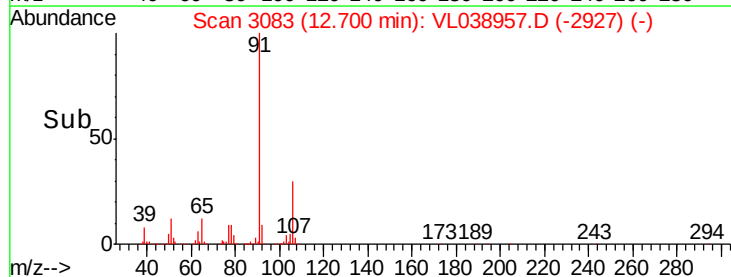
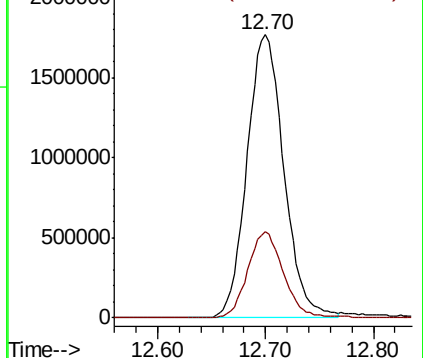


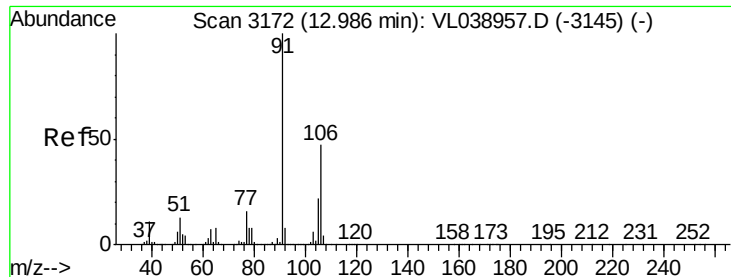
#58
Ethyl Benzene
Concen: 7.599 ppbv
RT: 12.70 min Scan# 3083
Delta R.T.: 0.00 min
Lab File: VL038957.D
Acq: 5 May 2022 2:43

Tgt Ion: 91 Resp: 4197211
Ion Ratio Lower Upper
91 100
106 30.3 24.2 36.4



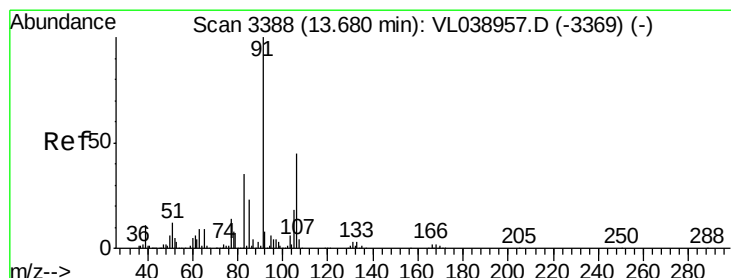
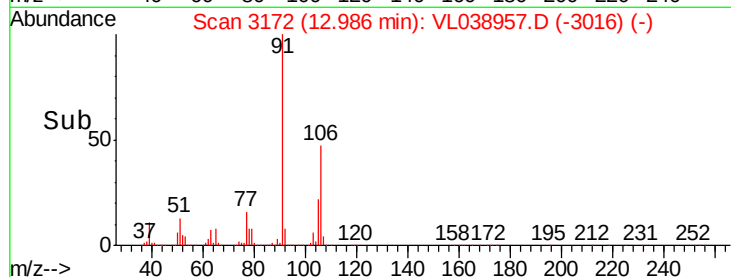
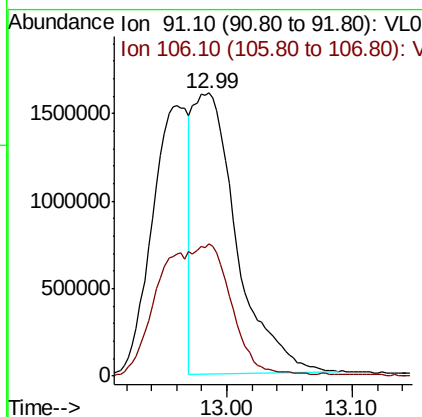
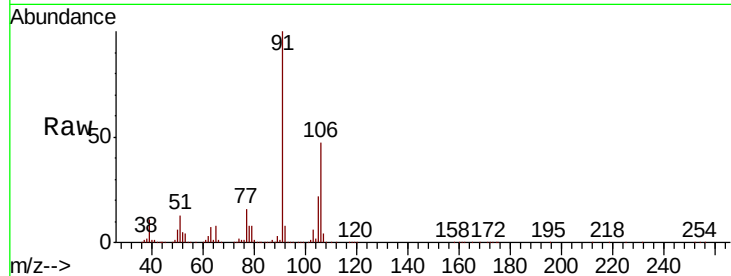
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





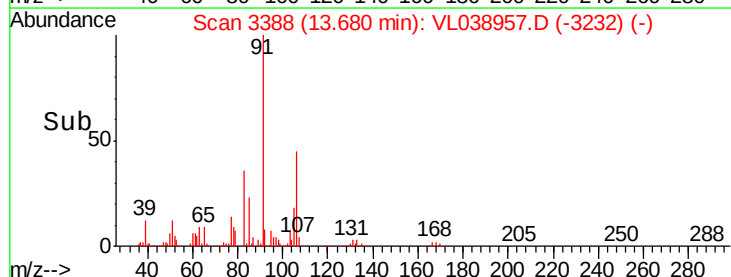
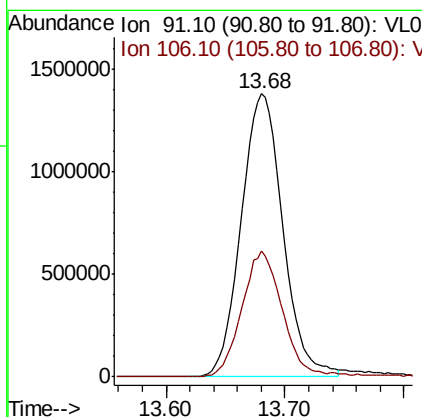
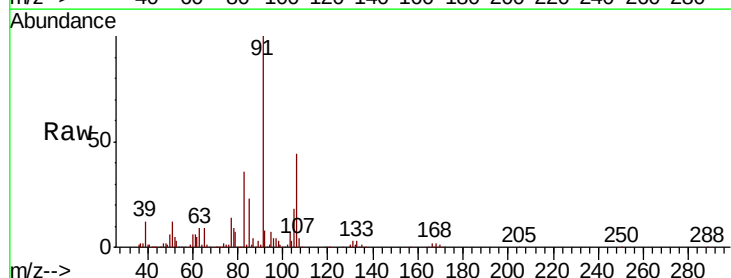
#59
m/p-Xylene
Concen: 8.032 ppbv
RT: 12.99
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 5 May 2022 2:43

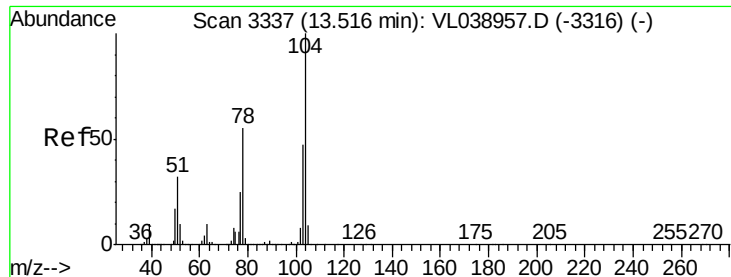
Tot Ion: 91 Resp: 3879381
Ion Ratio Lower Upper
91 100
106 79.4 34.6 52.0#



#60
o-Xylene
Concen: 7.166 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. 0.00 min
Lab File: VL038957.D
Acq: 5 May 2022 2:43

Tgt Ion: 91 Resp: 3343676
Ion Ratio Lower Upper
91 100
106 44.4 22.2 66.6





#61

Stvrene

Concen: 8.384 ppbv

RT: 13.52

Delta R.T. MSVOA_L

Lab File:

Acq: 5 May 2022 2:43

Instrument :

ClientSampleId :

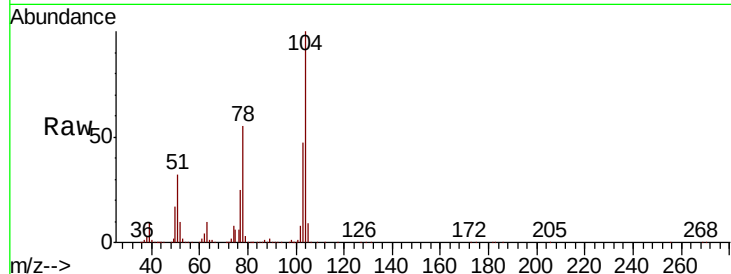
Tot Ion:104 Resp: 1949374

Ion Ratio Lower Upper

104 100

78 58.1 46.4 69.6

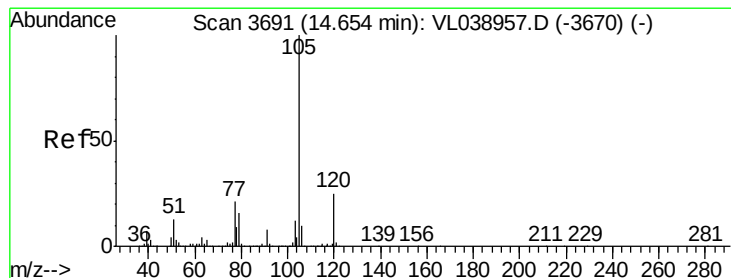
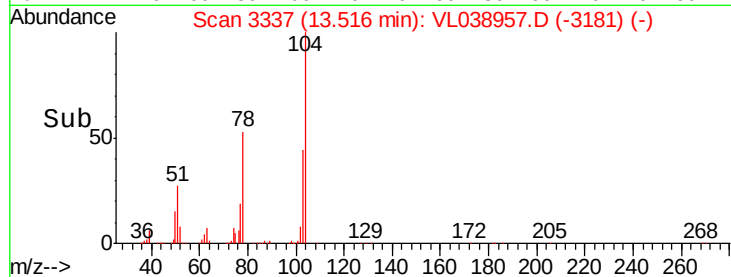
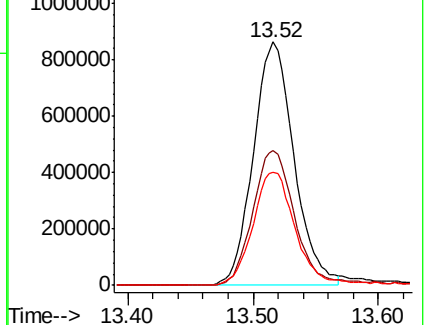
103 49.2 39.3 58.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.587 ppbv

RT: 14.65 min Scan# 3691

Delta R.T. 0.00 min

Lab File: VL038957.D

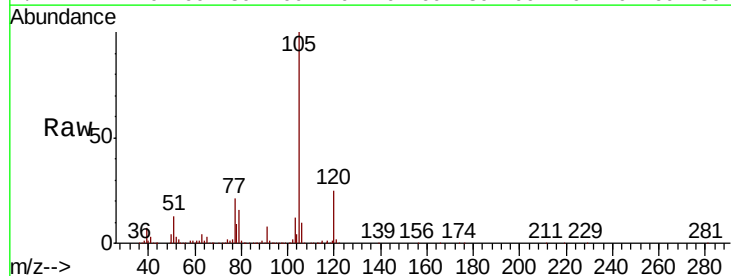
Acq: 5 May 2022 2:43

Tgt Ion:105 Resp: 4820833

Ion Ratio Lower Upper

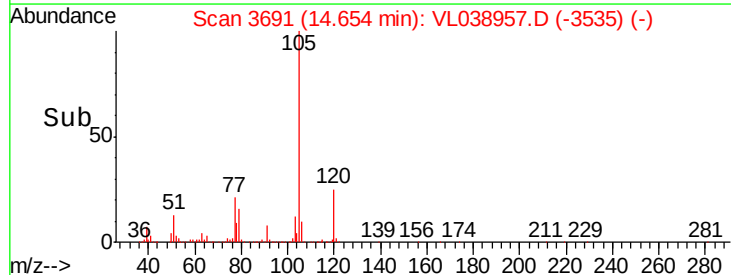
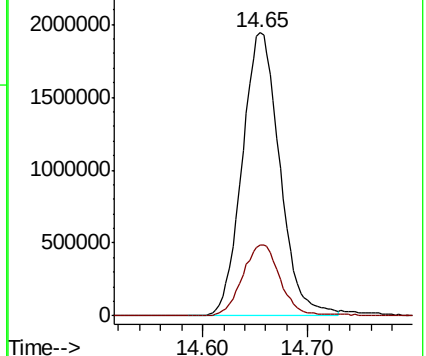
105 100

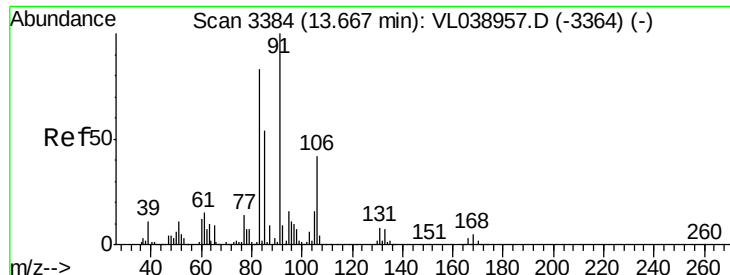
120 25.7 20.5 30.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

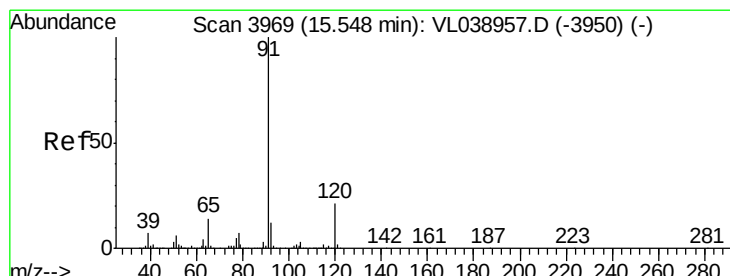
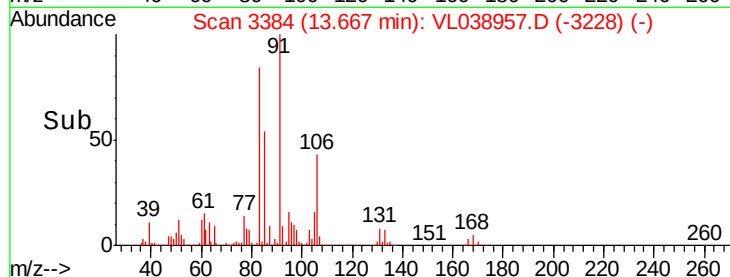
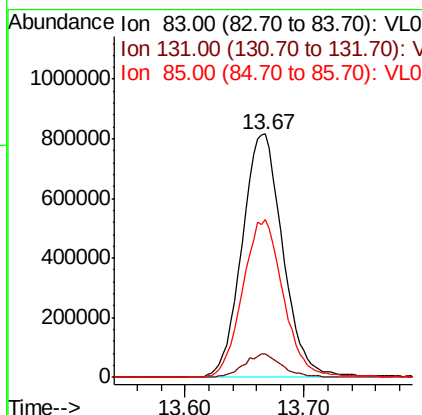
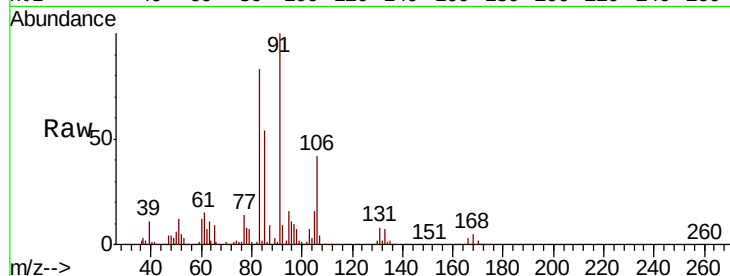




#63
 1,1,2,2-Tetrachloroethane
 Concen: 5.521 ppbv
 RT: 13.67 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 5 May 2022 2:43

Tot Ion: 83 Resp: 1930917

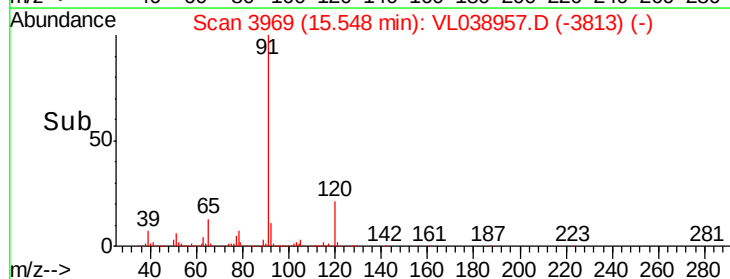
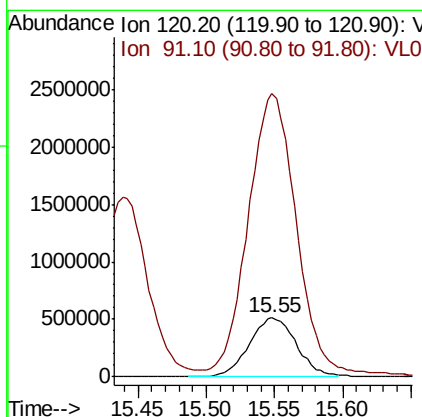
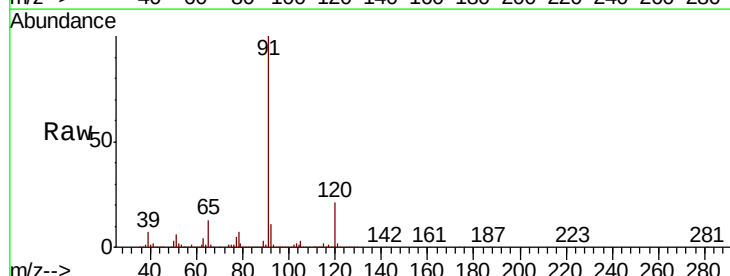
Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.5	13.7
85	65.5	32.8	98.3

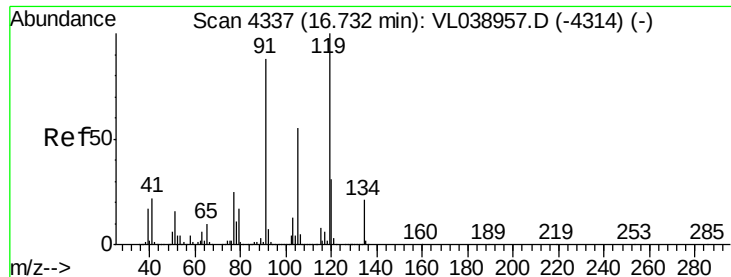


#64
 n-propylbenzene
 Concen: 7.903 ppbv
 RT: 15.55 min Scan# 3969
 Delta R.T.: 0.00 min
 Lab File: VL038957.D
 Acq: 5 May 2022 2:43

Tgt Ion: 120 Resp: 1224975

Ion	Ratio	Lower	Upper
120	100		
91	502.6	400.6	601.0

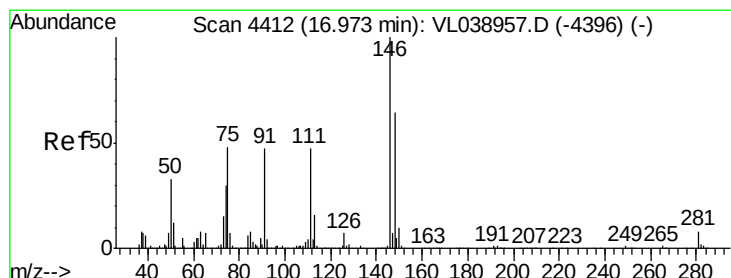
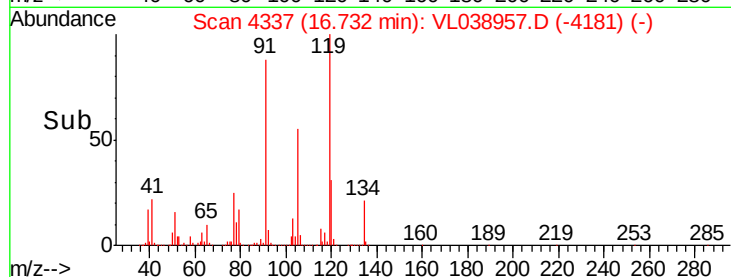
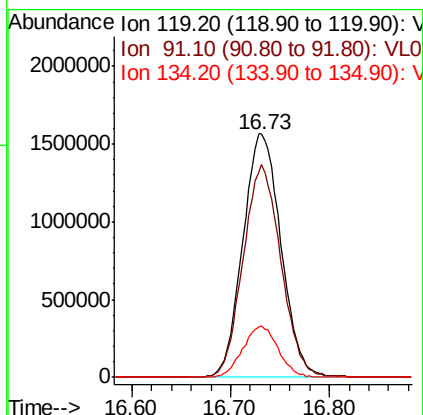
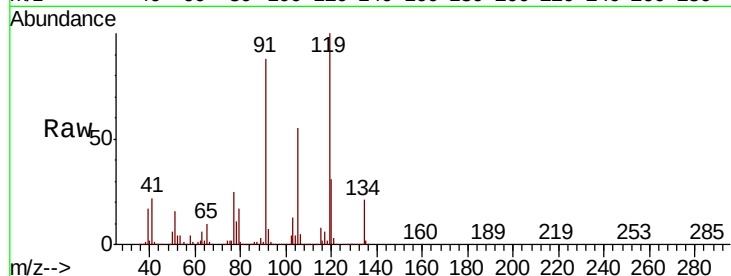




#65
 tert-Butylbenzene
 Concen: 7.570 ppbv
 RT: 16.73 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 May 2022 2:43

Tot Ion: 119 Resp: 4176502

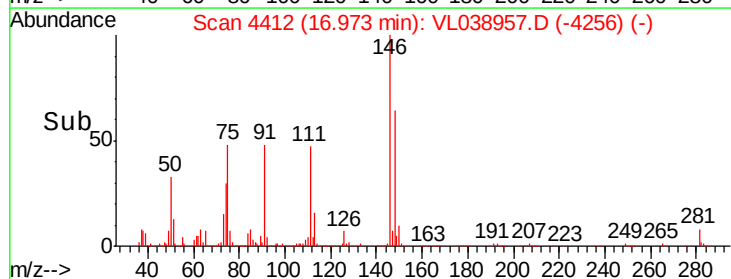
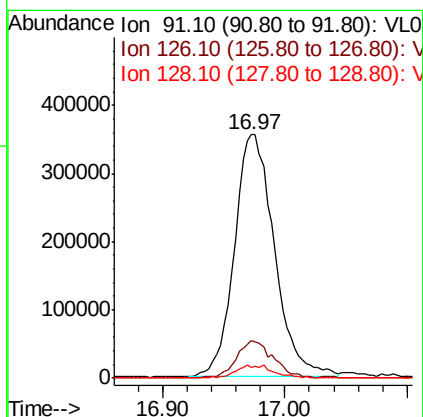
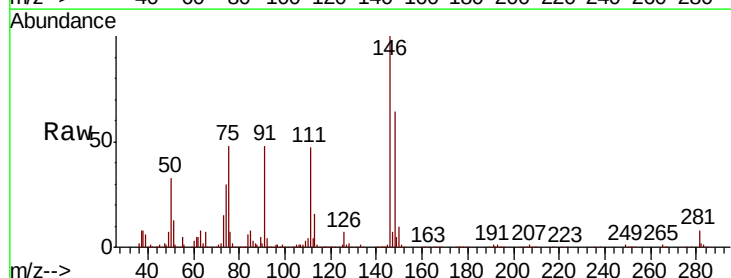
Ion	Ratio	Lower	Upper
119	100		
91	86.8	69.4	104.2
134	19.8	15.8	23.8

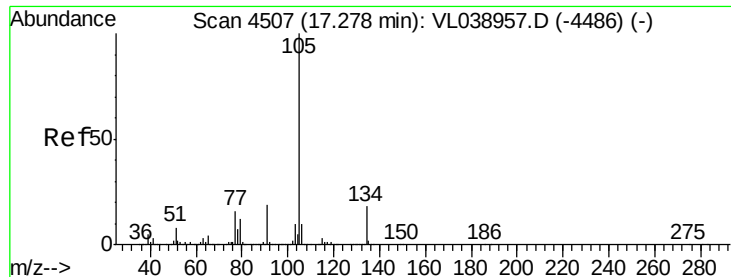


#66
 Benzyl Chloride
 Concen: 11.905 ppbv
 RT: 16.97 min Scan# 4412
 Delta R.T. 0.00 min
 Lab File: VL038957.D
 Acq: 5 May 2022 2:43

Tgt Ion: 91 Resp: 803472

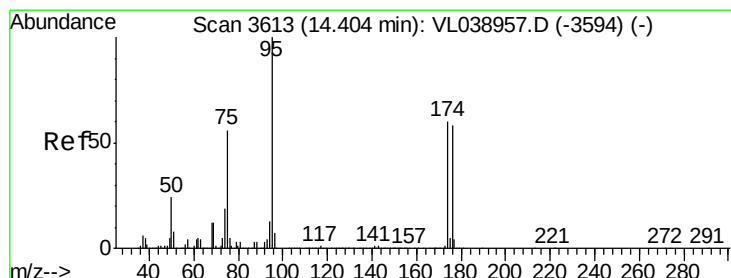
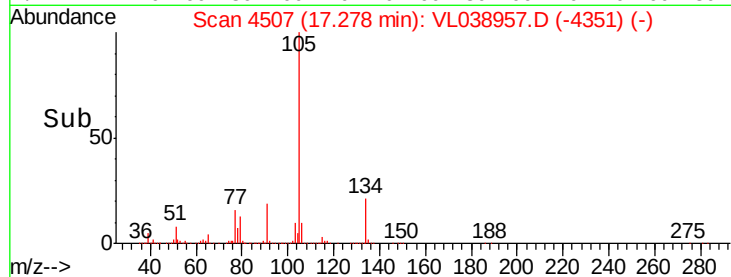
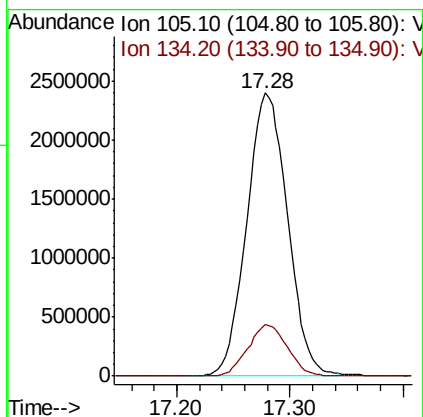
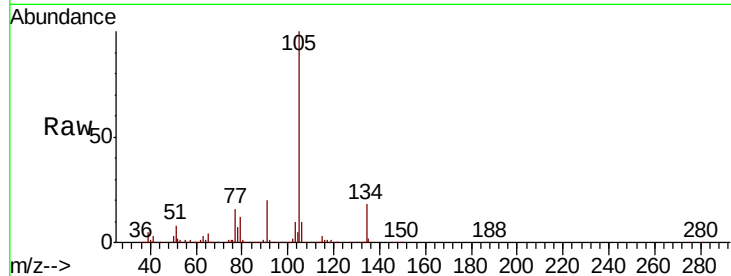
Ion	Ratio	Lower	Upper
91	100		
126	14.9	11.8	17.6
128	5.2	4.2	6.2





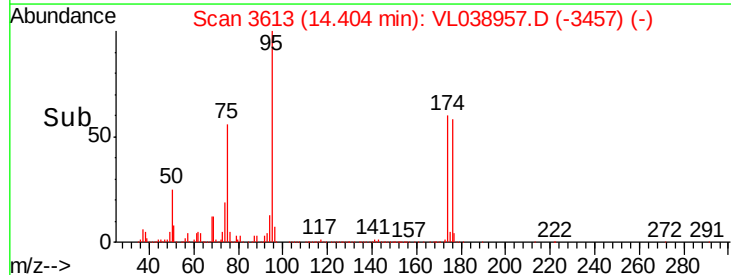
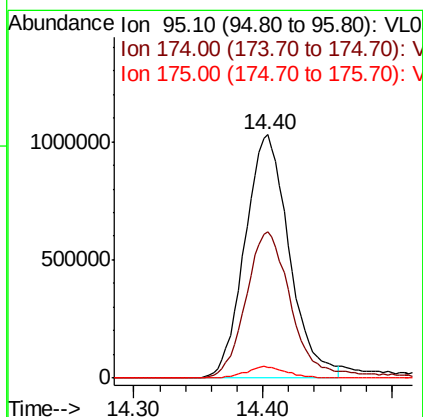
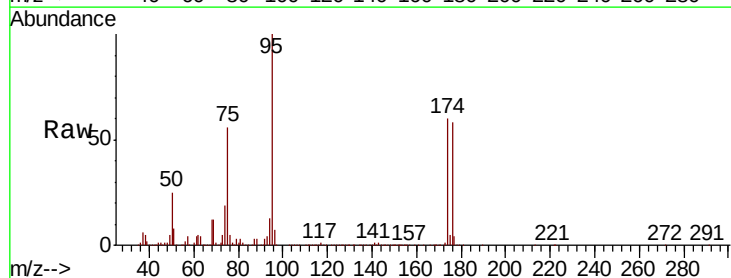
#67
 sec-Butylbenzene
 Concen: 7.667 ppbv
 RT: 17.28 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 5 May 2022 2:43

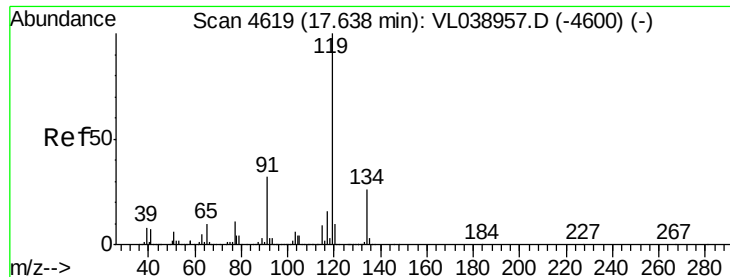
Tot Ion: 105 Resp: 6004728
 Ion Ratio Lower Upper
 105 100
 134 17.8 14.2 21.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.100 ppbv
 RT: 14.40 min Scan# 3613
 Delta R.T.: 0.00 min
 Lab File: VL038957.D
 Acq: 5 May 2022 2:43

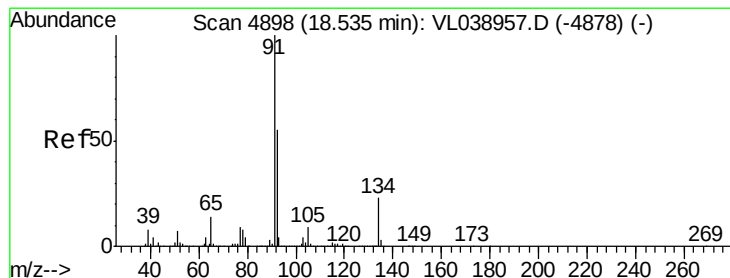
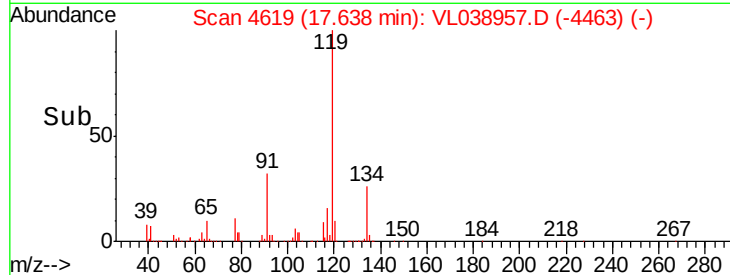
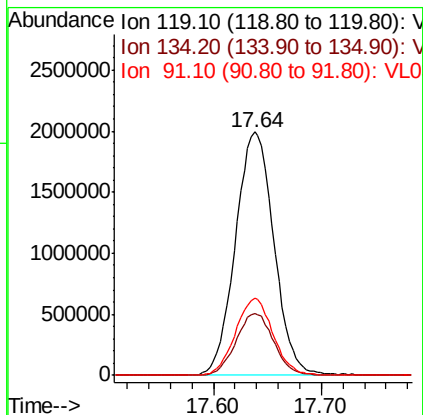
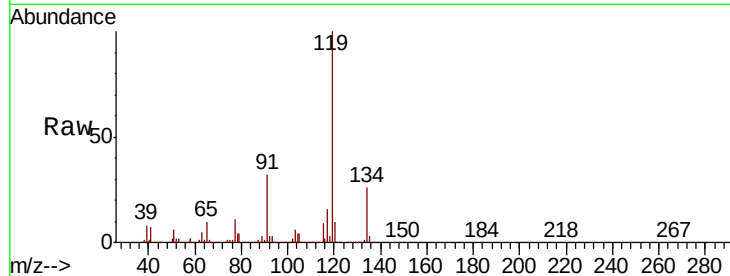
Tgt Ion: 95 Resp: 2461497
 Ion Ratio Lower Upper
 95 100
 174 63.6 50.8 76.2
 175 4.6 3.8 5.6





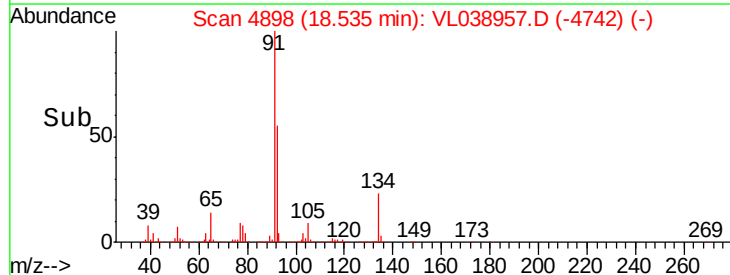
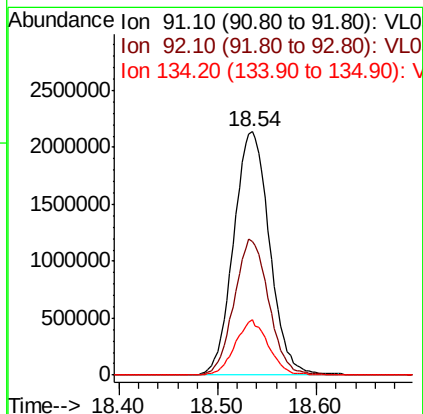
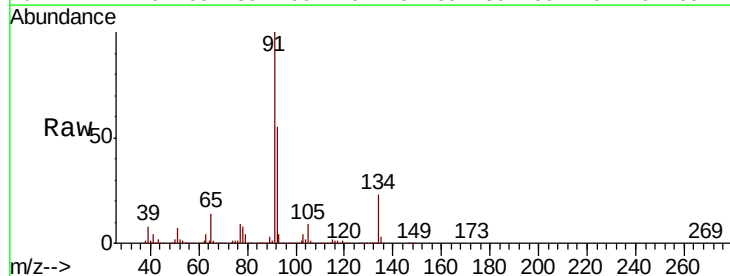
#69
 p-Isopropyltoluene
 Concen: 8.079 ppbv
 RT: 17.64 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 5 May 2022 2:43

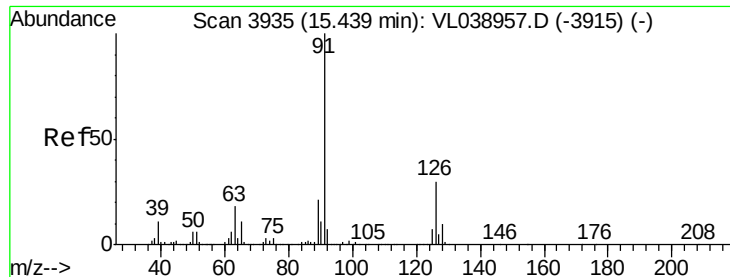
Tot Ion: 119 Resp: 4945510
 Ion Ratio Lower Upper
 119 100
 134 25.0 20.0 30.0
 91 31.0 24.8 37.2



#70
 n-Butylbenzene
 Concen: 8.388 ppbv
 RT: 18.54 min Scan# 4898
 Delta R.T.: 0.00 min
 Lab File: VL038957.D
 Acq: 5 May 2022 2:43

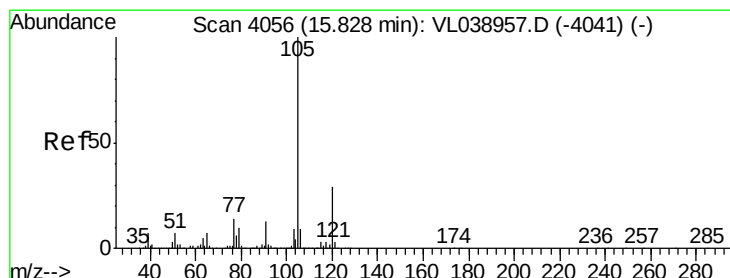
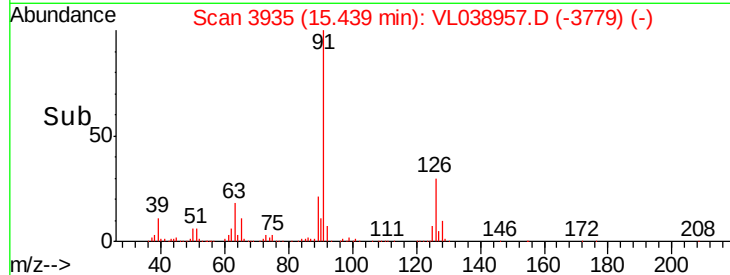
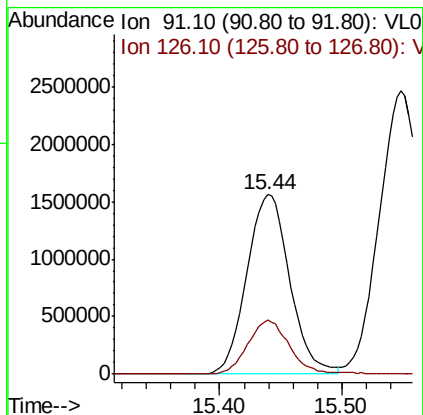
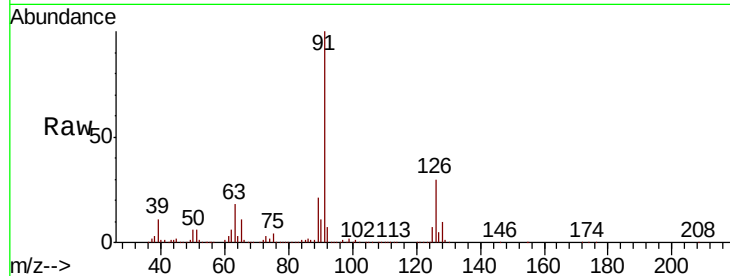
Tgt Ion: 91 Resp: 5383486
 Ion Ratio Lower Upper
 91 100
 92 53.9 43.1 64.7
 134 21.2 17.0 25.4





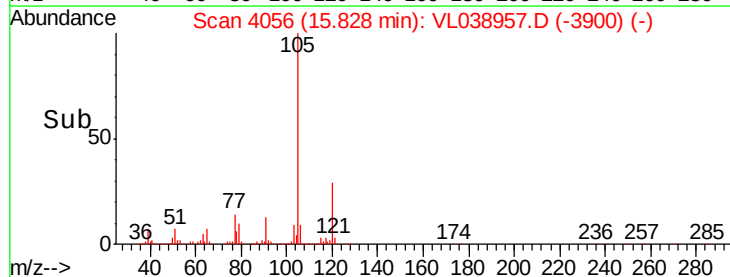
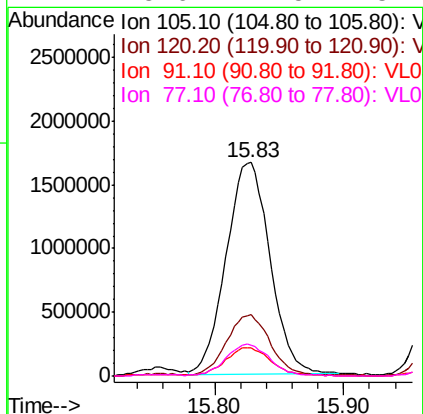
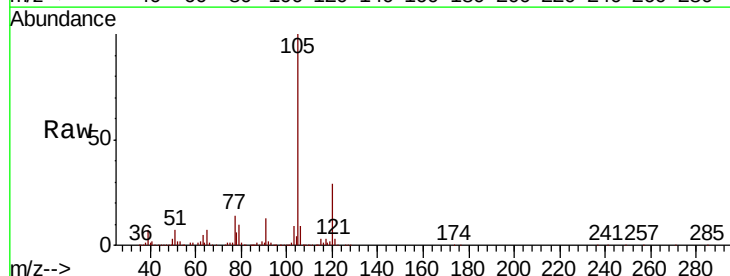
#71
 2-Chlorotoluene
 Concen: 7.930 ppbv
 RT: 15.44 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 5 May 2022 2:43

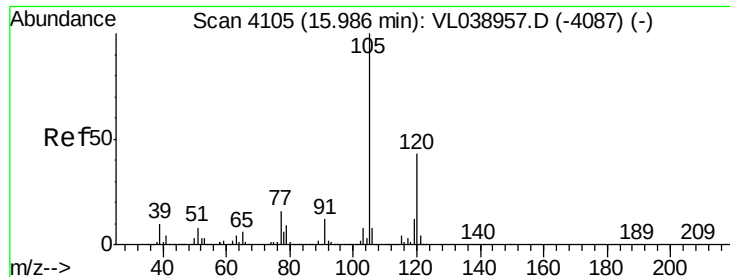
Tot Ion: 91 Resp: 3790373
 Ion Ratio Lower Upper
 91 100
 126 29.7 11.9 47.5



#72
 4-Ethyltoluene
 Concen: 7.667 ppbv
 RT: 15.83 min Scan# 4056
 Delta R.T. 0.00 min
 Lab File: VL038957.D
 Acq: 5 May 2022 2:43

Tgt Ion:105 Resp: 3927912
 Ion Ratio Lower Upper
 105 100
 120 29.2 23.4 35.0
 91 13.3 10.6 16.0
 77 15.6 12.5 18.7





#73

1,3,5-Trimethylbenzene

Concen: 7.474 ppbv

RT: 15.99

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

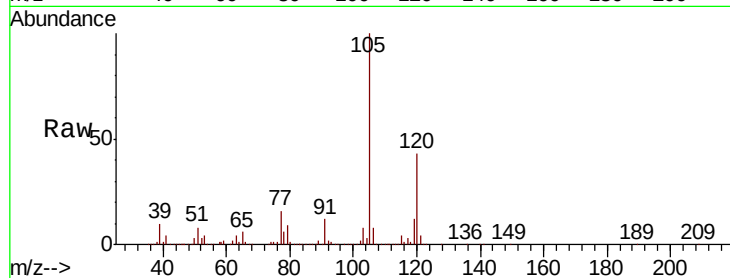
Acq: 5 May 2022 2:43

Tot Ion:105 Resp: 3568600

Ion Ratio Lower Upper

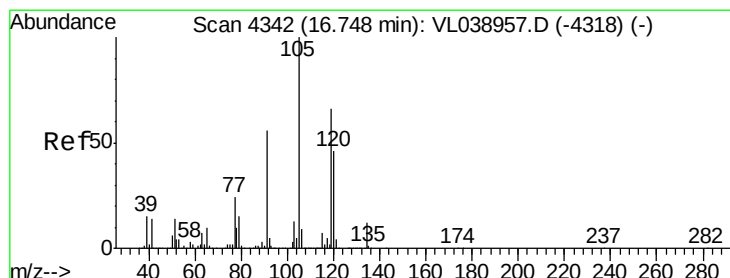
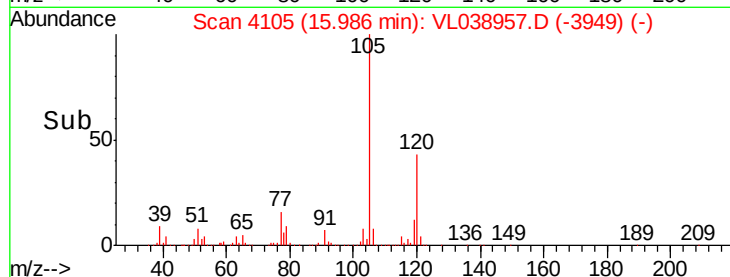
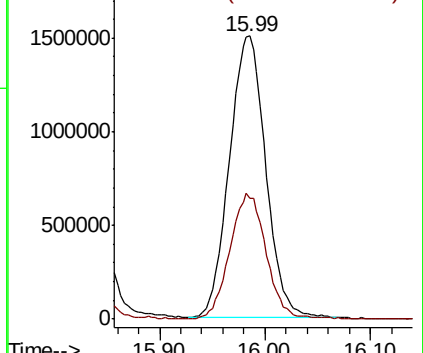
105 100

120 43.0 34.4 51.6



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: 7.357 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. 0.00 min

Lab File: VL038957.D

Acq: 5 May 2022 2:43

Tgt Ion:105 Resp: 3792698

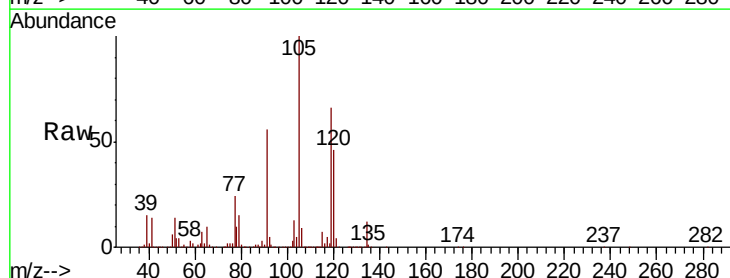
Ion Ratio Lower Upper

105 100

120 46.1 36.9 55.3

91 56.2 45.0 67.4

77 24.0 19.2 28.8

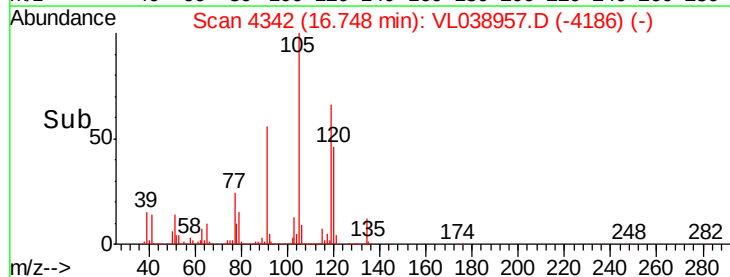
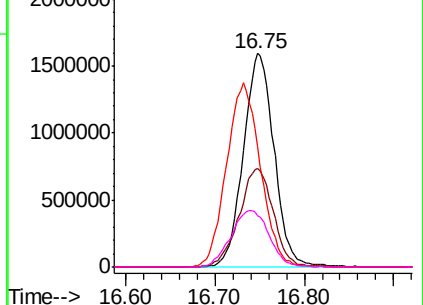


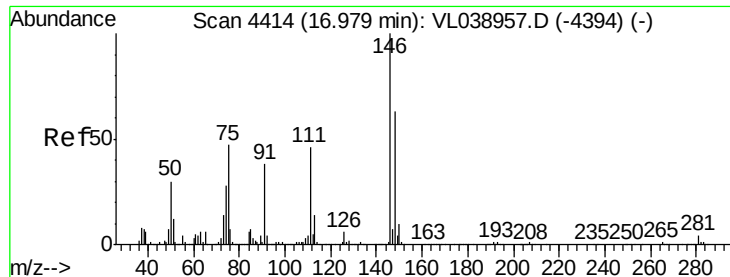
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

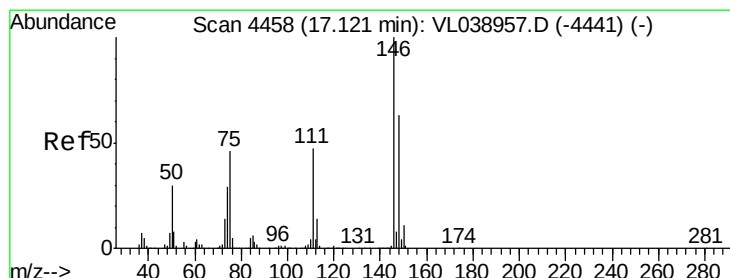
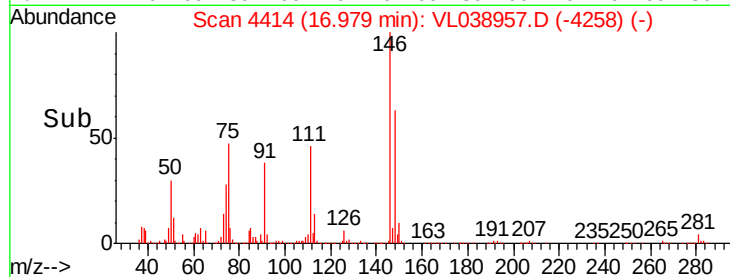
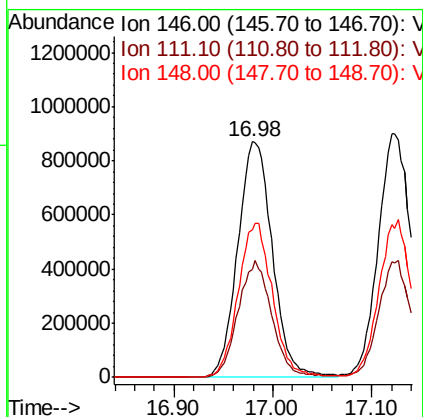
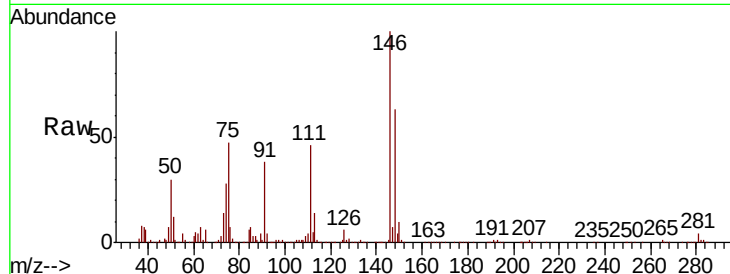
Ion 77.10 (76.80 to 77.80): VL0





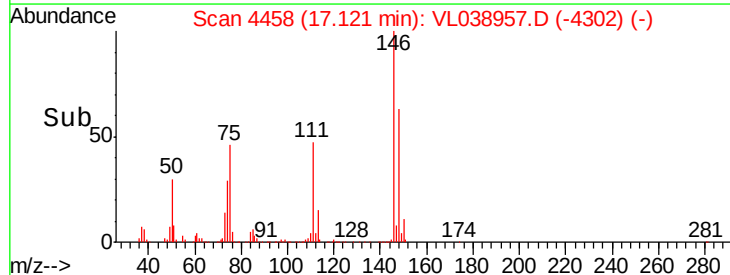
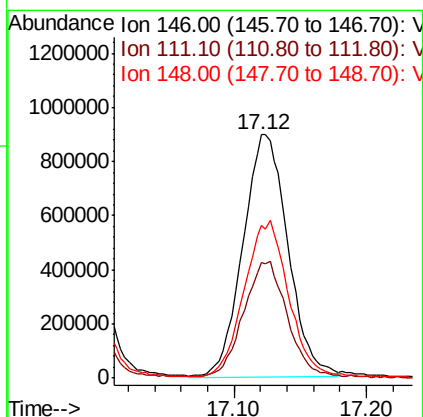
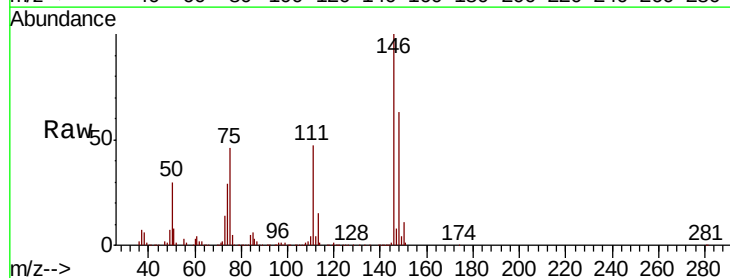
#75
 1,3-Dichlorobenzene
 Concen: 7.350 ppbv
 RT: 16.98
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 5 May 2022 2:43

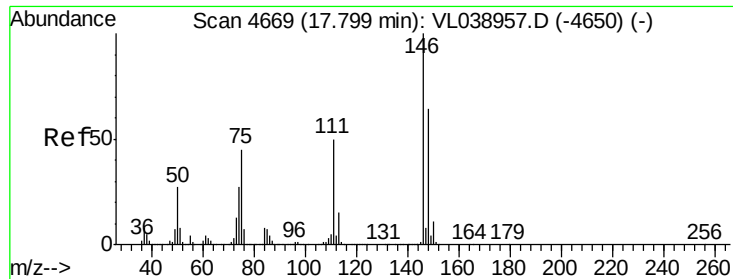
Tot Ion:146 Resp: 2122150
 Ion Ratio Lower Upper
 146 100
 111 48.2 24.1 72.2
 148 64.7 32.4 97.2



#76
 1,4-Dichlorobenzene
 Concen: 7.342 ppbv
 RT: 17.12 min Scan# 4458
 Delta R.T. 0.00 min
 Lab File: VL038957.D
 Acq: 5 May 2022 2:43

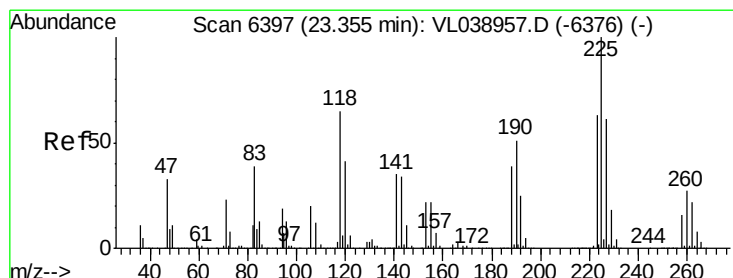
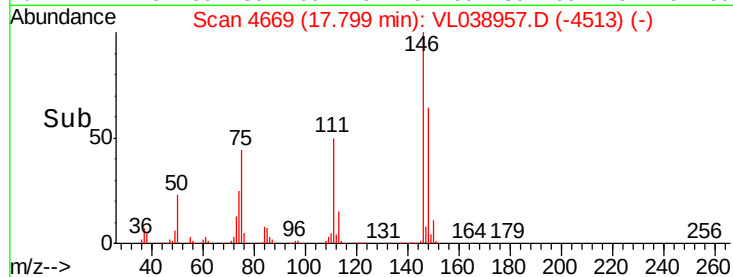
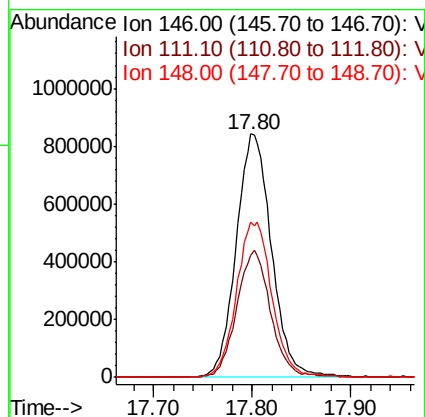
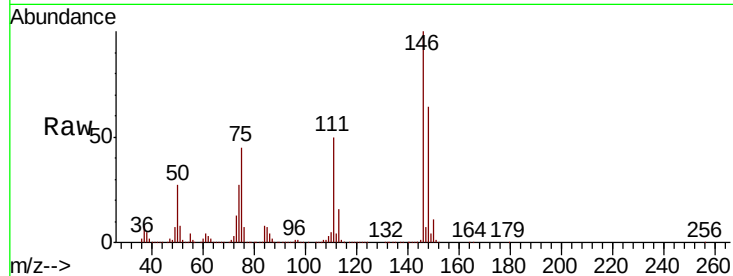
Tgt Ion:146 Resp: 2112558
 Ion Ratio Lower Upper
 146 100
 111 47.4 23.6 71.0
 148 65.1 32.2 96.6





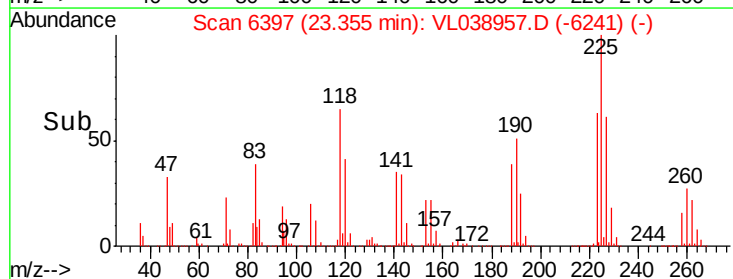
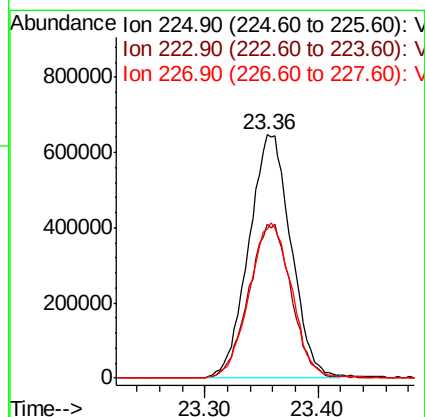
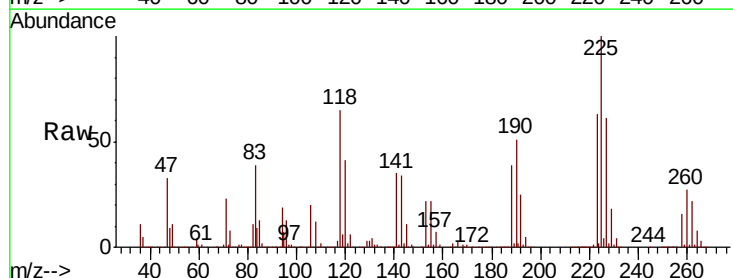
#77
 1,2-Dichlorobenzene
 Concen: 7.585 ppbv
 RT: 17.80 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 May 2022 2:43

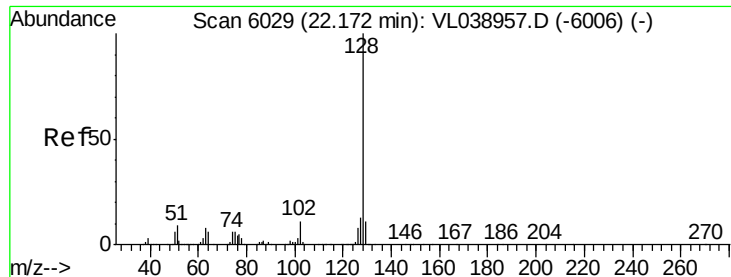
Tot Ion:146 Resp: 2073289
 Ion Ratio Lower Upper
 146 100
 111 50.6 25.3 75.9
 148 64.7 32.3 96.9



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.838 ppbv
 RT: 23.36 min Scan# 6397
 Delta R.T. 0.00 min
 Lab File: VL038957.D
 Acq: 5 May 2022 2:43

Tgt Ion:225 Resp: 1682321
 Ion Ratio Lower Upper
 225 100
 223 64.2 51.4 77.0
 227 64.2 51.4 77.0





#79

Naphthalene

Concen: 11.112 ppbv

RT: 22.17 min

Delta R.T. MSVOA_L

Lab File:

Acq: 5 May 2022 2:43

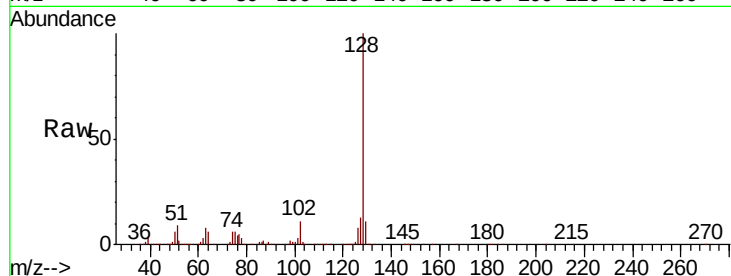
Tot Ion:128 Resp: 3531949

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	11.1	8.9	13.3

128 100

127 12.7 10.2 15.2

129 11.1 8.9 13.3

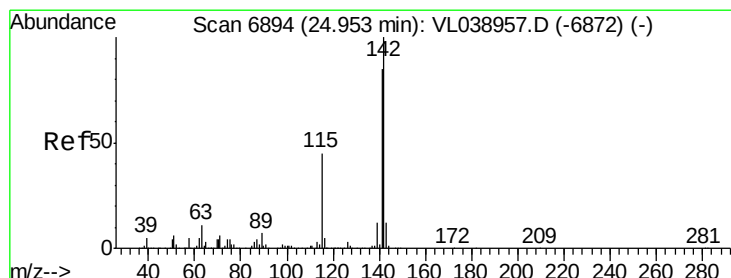
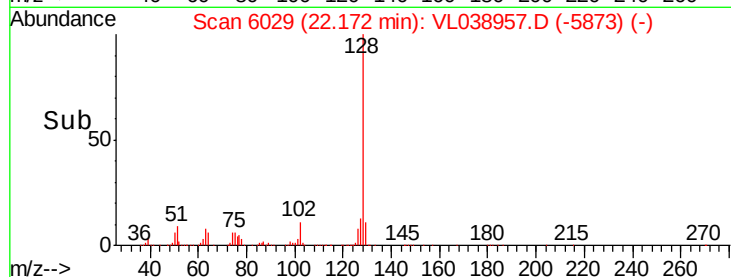
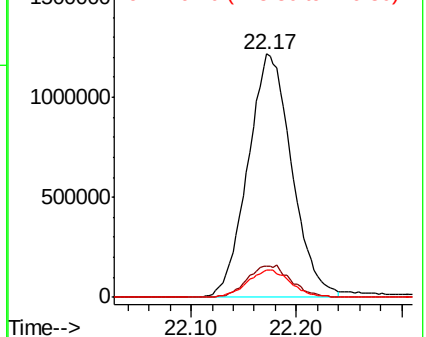


Abundance

Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 16.418 ppbv

RT: 24.95 min Scan# 6894

Delta R.T. 0.00 min

Lab File: VL038957.D

Acq: 5 May 2022 2:43

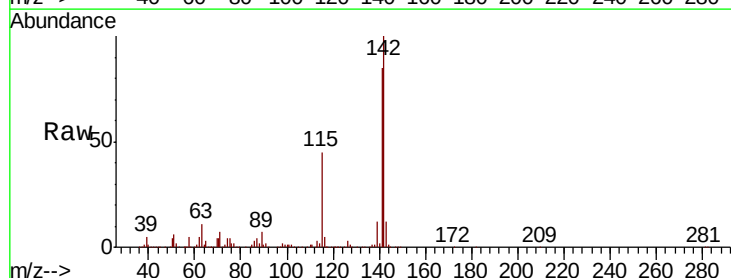
Tgt Ion:142 Resp: 1138835

Ion	Ratio	Lower	Upper
142	100		
141	87.5	70.8	106.2
115	45.8	35.1	52.7

142 100

141 87.5 70.8 106.2

115 45.8 35.1 52.7

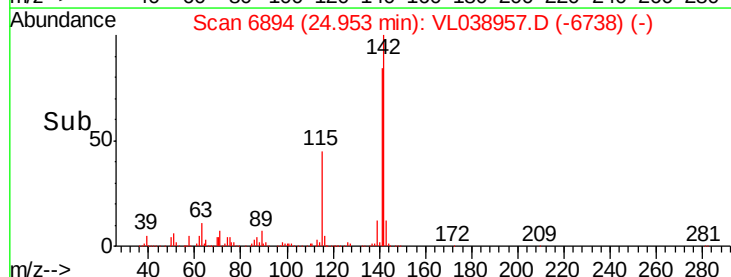
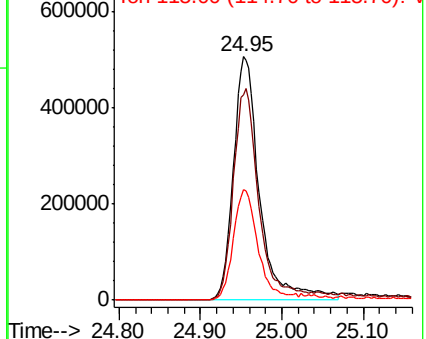


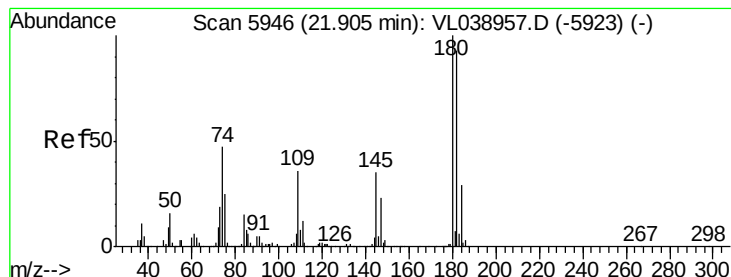
Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

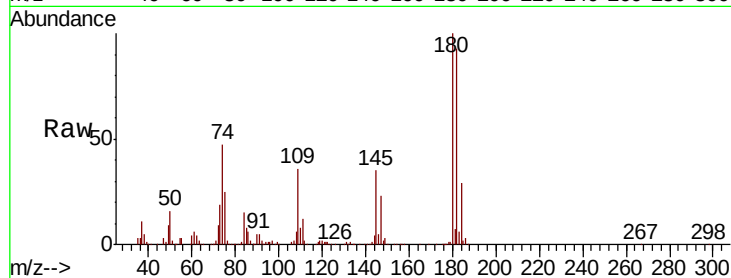
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 9.667 ppbv
 RT: 21.90
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 May 2022 2.45

Tot Ion:	180	Resp:	1865279
Ion	Ratio	Lower	Upper
180	100		
182	96.6	78.4	117.6
184	31.1	24.4	36.6



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

