

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051322\
 Data File : VL039039.D
 Acq On : 13 May 2022 16:19
 Operator : SY/AP
 Sample : 0.4 MDL
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 MDL

Quant Time: May 14 00:52:14 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 10:12:15 2022
 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	915859	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	2298165	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	1927810	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1541943	10.10	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	77874	0.543	ppbv 94
3) Chlorodifluoromethane	2.98	51	55216	0.486	ppbv 98
4) Chloromethane	3.13	50	25034	0.440	ppbv 97
5) Vinyl Chloride	3.25	62	19353	0.372	ppbv # 82
6) Bromomethane	3.47	94	6101	0.249	ppbv # 75
7) Chloroethane	3.55	64	8906	0.512	ppbv 92
8) Dichlorotetrafluoroethane	3.18	85	55825	0.429	ppbv # 79
9) Propene	3.00	41	11697	0.236	ppbv # 2
10) Heptane	8.09	43	13119	0.108	ppbv # 27
11) Trichlorofluoromethane	3.94	101	56204	0.456	ppbv # 80
12) 1,1,2-Trichlorotrifluoroet	4.48	101	41718	0.492	ppbv 92
13) Ethanol	3.60	45	334	0.095	ppbv # 31
14) Bromoethene	3.74	108	4448	0.127	ppbv # 1
15) Acetone	3.85	43	42240	0.489	ppbv # 80
16) 1,3-Butadiene	3.32	39	21499	0.433	ppbv 83
17) tert-Butyl alcohol	4.29	59	8502	0.128	ppbv # 16
18) 1,1-Dichloroethene	4.28	96	16350	0.448	ppbv # 78
19) Isopropyl Alcohol	3.97	45	17394	0.423	ppbv # 66
20) Methylene Chloride	4.33	84	16223	0.498	ppbv 96
21) Allyl Chloride	4.40	41	13930	0.237	ppbv # 5
22) trans-1,2-Dichloroethene	4.87	96	16148	0.410	ppbv 81
23) Vinyl Acetate	5.06	43	11654	0.170	ppbv # 91
24) 1,1-Dichloroethane	5.00	63	34354	0.436	ppbv 99
25) Ethyl Acetate	5.67	43	83470	0.404	ppbv # 91
26) Hexane	5.67	57	38270	0.417	ppbv 86
27) Carbon Disulfide	4.54	76	28030	0.321	ppbv # 79
28) Methyl tert-Butyl Ether	5.03	73	13659	0.195	ppbv # 5
29) Chloroform	5.74	83	65511	0.441	ppbv 97
30) Cyclohexane	7.10	84	7677	0.100	ppbv # 1
31) cis-1,2-Dichloroethene	5.53	61	18188	0.194	ppbv 95
32) 1,1,1-Trichloroethane	6.50	97	61417	0.413	ppbv 95
34) 2-Butanone	5.24	43	22626	0.193	ppbv # 25
35) Carbon Tetrachloride	7.00	117	34100	0.225	ppbv 97
36) Benzene	6.87	78	50985	0.259	ppbv 98
37) 1,2-Dichloroethane	6.28	62	20380	0.167	ppbv # 67
38) Trichloroethene	7.81	130	32853	0.376	ppbv # 85
39) 1,2-Dichloropropane	7.59	63	16325	0.213	ppbv # 87
41) Tetrahydrofuran	6.05	42	9355	0.119	ppbv # 8
42) Bromodichloromethane	7.76	83	26066	0.157	ppbv # 95
43) Methyl Methacrylate	8.00	69	13994	0.175	ppbv # 1
44) 2,2,4-Trimethylpentane	7.85	57	78407	0.227	ppbv # 45

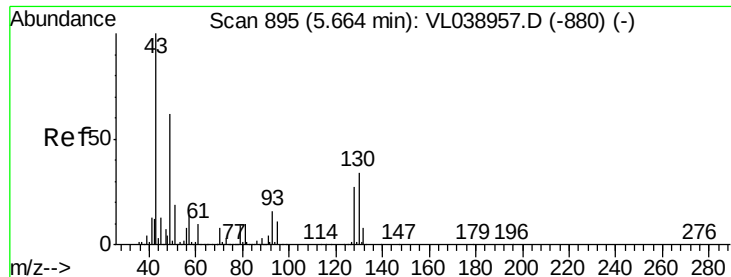
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051322\
 Data File : VL039039.D
 Acq On : 13 May 2022 16:19
 Operator : SY/AP
 Sample : 0.4 MDL
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 MDL

Quant Time: May 14 00:52:14 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 10:12:15 2022
 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) t-1,3-Dichloropropene	9.26	75	12361	0.160	ppbv	94
46) cis-1,3-Dichloropropene	8.68	75	27872	0.272	ppbv #	82
47) 1,1,2-Trichloroethane	9.45	97	13018	0.164	ppbv #	87
48) Dibromochloromethane	10.28	129	18776	0.145	ppbv #	10
49) Bromoform	13.00	173	11159	0.113	ppbv #	1
50) 4-Methyl-2-Pentanone	8.73	43	21242	0.103	ppbv #	39
51) 2-Hexanone	10.13	43	17348	0.116	ppbv #	28
52) Tetrachloroethene	11.20	164	17345	0.247	ppbv #	81
53) Toluene	9.78	91	84181	0.382	ppbv	98
54) 1,2-Dibromoethane	10.59	107	38660	0.357	ppbv	91
56) 1,1,1,2-Tetrachloroethane	12.10	131	5272	0.062	ppbv #	1
57) Chlorobenzene	12.12	112	27889	0.193	ppbv	93
58) Ethyl Benzene	12.69	91	115069	0.415	ppbv	94
59) m/p-Xylene	12.97	91	109501	0.462	ppbv #	48
60) o-Xylene	13.66	91	97438	0.437	ppbv	99
61) Styrene	13.50	104	29944	0.252	ppbv #	60
62) Isopropylbenzene	14.64	105	145289	0.446	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.65	83	33132	0.252	ppbv #	45
64) n-propylbenzene	15.54	120	17821	0.226	ppbv #	1
65) tert-Butylbenzene	16.71	119	45822	0.160	ppbv #	15
66) Benzyl Chloride	16.96	91	2150	0.058	ppbv #	68
67) sec-Butylbenzene	17.26	105	164418	0.403	ppbv	97
69) p-Isopropyltoluene	17.62	119	66570	0.202	ppbv #	41
70) n-Butylbenzene	18.52	91	132053	0.377	ppbv	100
71) 2-Chlorotoluene	15.43	91	102824	0.409	ppbv	100
72) 4-Ethyltoluene	15.81	105	58605	0.231	ppbv #	56
73) 1,3,5-Trimethylbenzene	15.97	105	92080	0.403	ppbv	98
74) 1,2,4-Trimethylbenzene	16.73	105	46815	0.187	ppbv	91
75) 1,3-Dichlorobenzene	16.96	146	20643	0.150	ppbv #	22
76) 1,4-Dichlorobenzene	17.11	146	33998	0.252	ppbv #	29
77) 1,2-Dichlorobenzene	17.78	146	20983	0.155	ppbv #	22
78) Hexachloro-1,3-Butadiene	23.32	225	7453	0.060	ppbv #	18
79) Naphthalene	22.15	128	11630	0.057	ppbv #	93
80) Naphthalene,2-methyl-	24.95	142	6745	0.110	ppbv #	72
81) 1,2,4-Trichlorobenzene	21.89	180	20502	0.172	ppbv #	11

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: 0.4 MDL

Acq: 13 May 2022 16:19

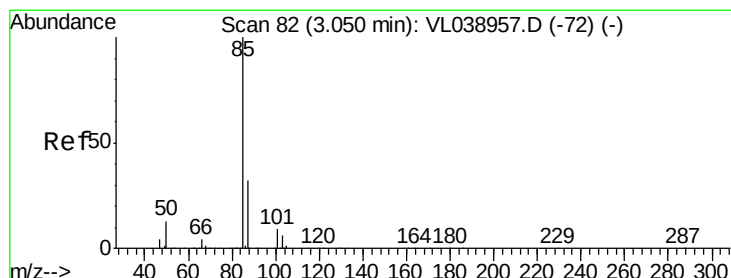
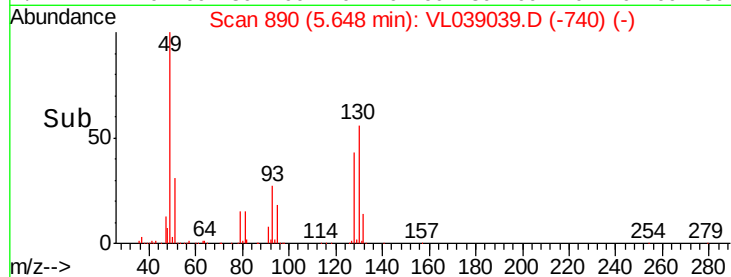
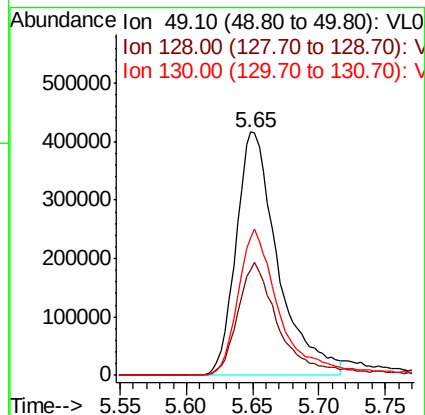
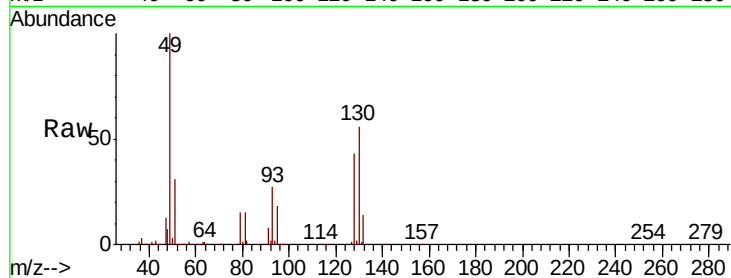
Tot Ion: 49 Resp: 915859

Ion Ratio Lower Upper

49 100

128 48.2 23.3 69.8

130 60.9 29.8 89.3



#2

Dichlorodifluoromethane

Concen: 0.543 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.01 min

Lab File: VL039039.D

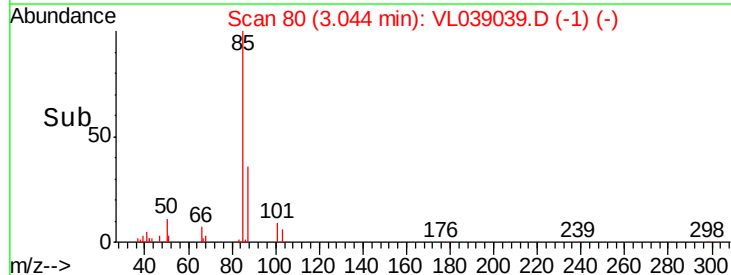
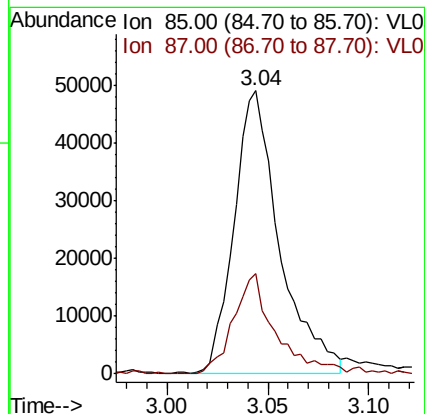
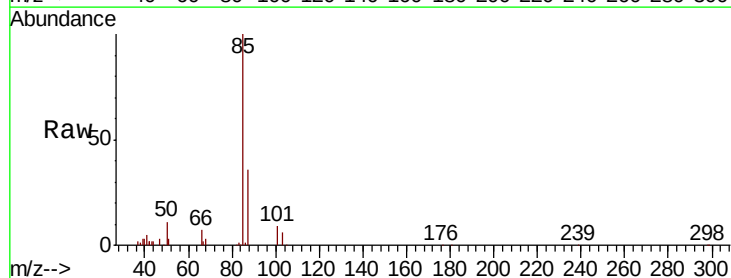
Acq: 13 May 2022 16:19

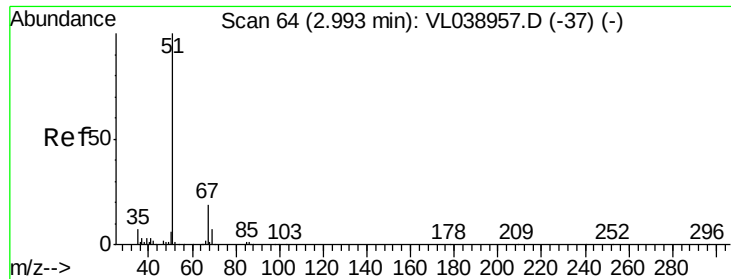
Tgt Ion: 85 Resp: 77874

Ion Ratio Lower Upper

85 100

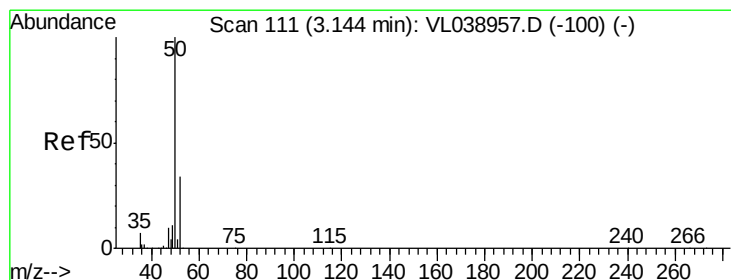
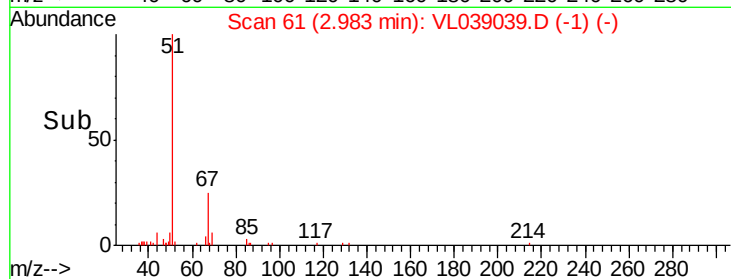
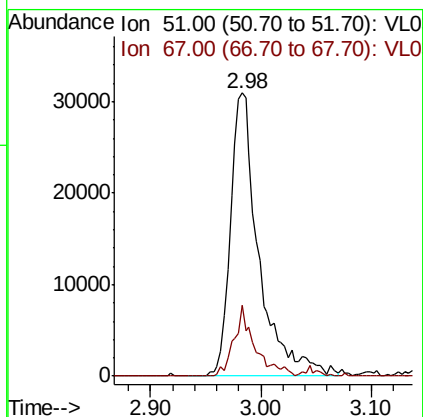
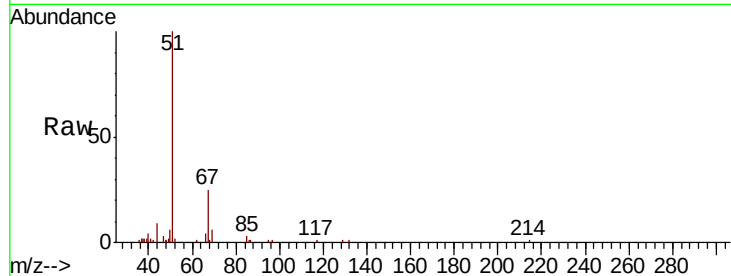
87 35.5 25.7 38.5





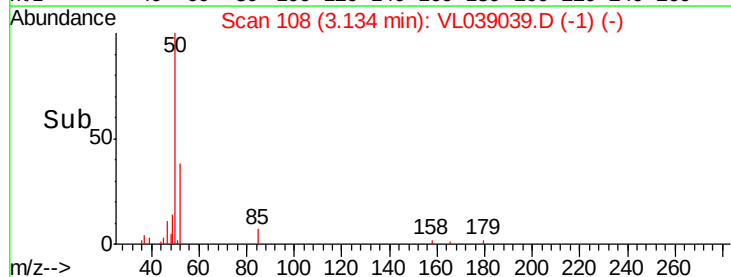
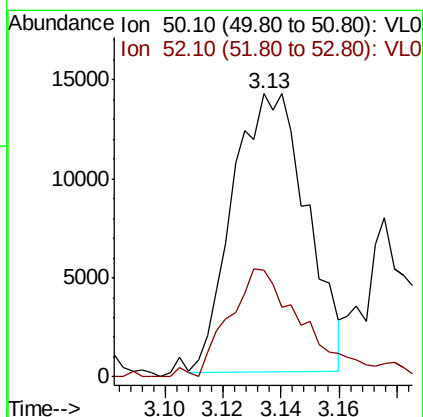
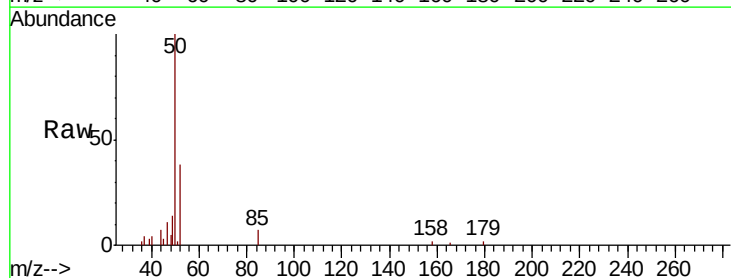
#3
 Chlorodifluoromethane
 Concen: 0.486 ppbv
 RT: 2.98
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 0.4 MDL
 Acq: 13 May 2022 16:19

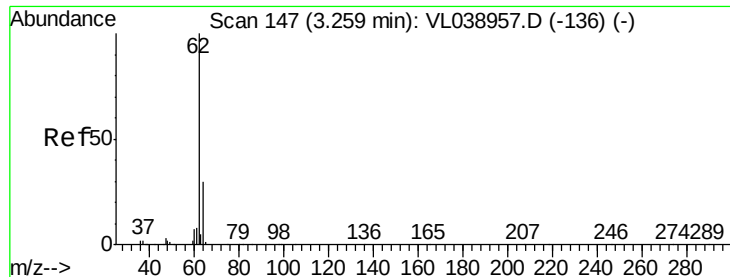
Tot Ion: 51 Resp: 55216
 Ion Ratio Lower Upper
 51 100
 67 18.8 15.8 23.8



#4
 Chloromethane
 Concen: 0.440 ppbv
 RT: 3.13 min Scan# 108
 Delta R.T.: -0.01 min
 Lab File: VL039039.D
 Acq: 13 May 2022 16:19

Tgt Ion: 50 Resp: 25034
 Ion Ratio Lower Upper
 50 100
 52 35.9 27.3 40.9





#5

Vinyl Chloride

Concen: 0.372 ppbv

RT: 3.25 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: 0.4 MDL

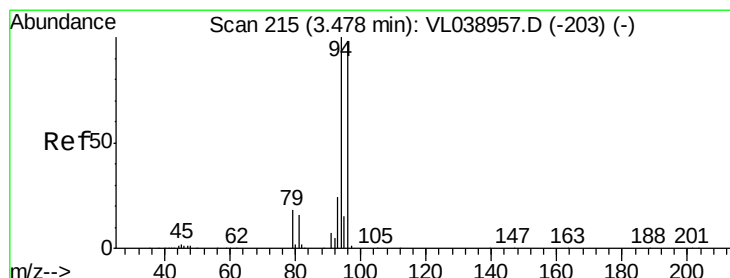
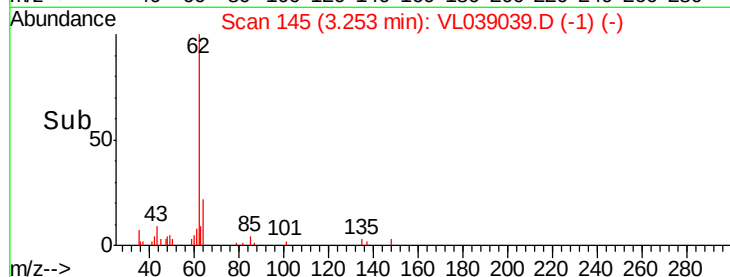
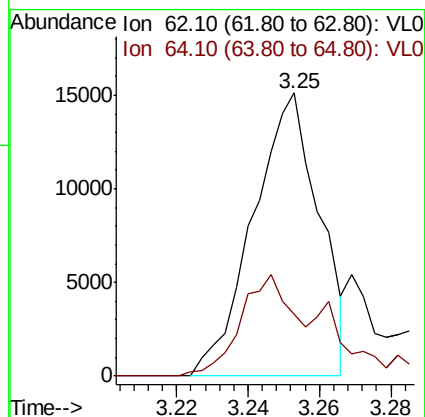
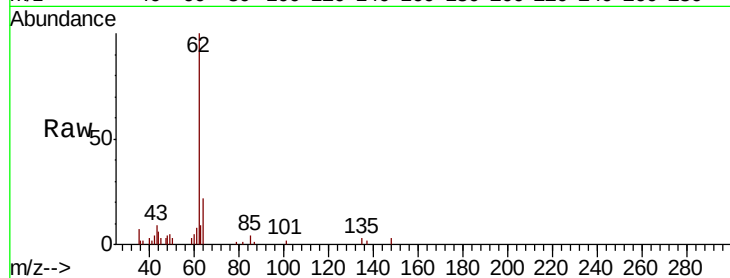
Acq: 13 May 2022 16:19

Tot Ion: 62 Resp: 19353

Ion Ratio Lower Upper

62 100

64 20.7 24.2 36.4#



#6

Bromomethane

Concen: 0.249 ppbv

RT: 3.47 min Scan# 212

Delta R.T. -0.01 min

Lab File: VL039039.D

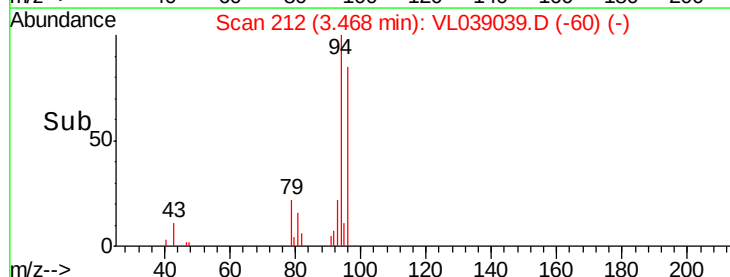
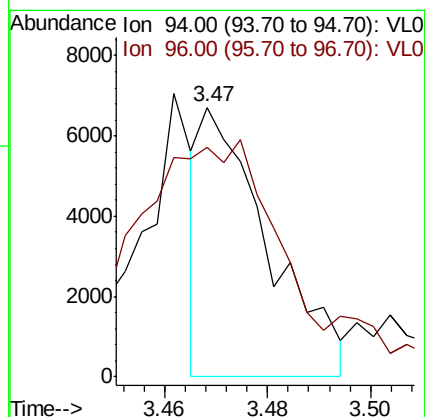
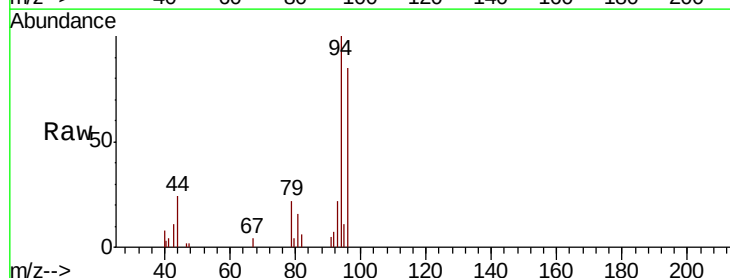
Acq: 13 May 2022 16:19

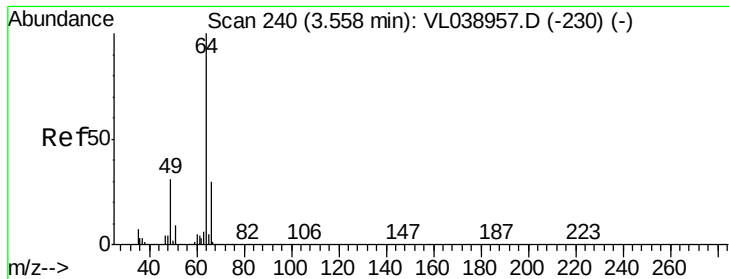
Tgt Ion: 94 Resp: 6101

Ion Ratio Lower Upper

94 100

96 72.6 78.1 117.1#





#7

Chloroethane

Concen: 0.512 ppbv

RT: 3.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

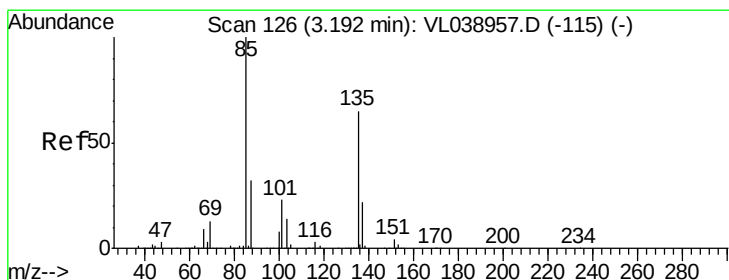
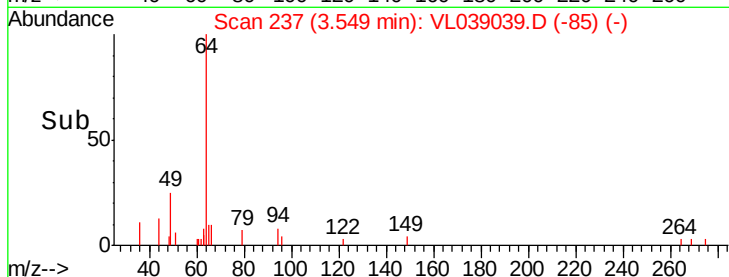
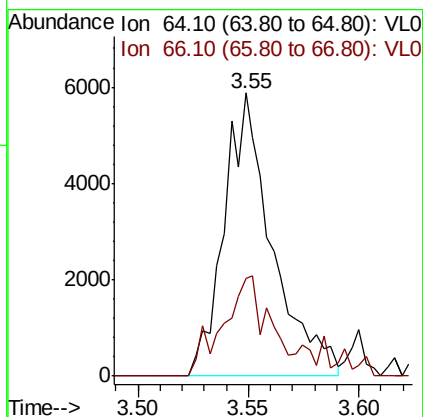
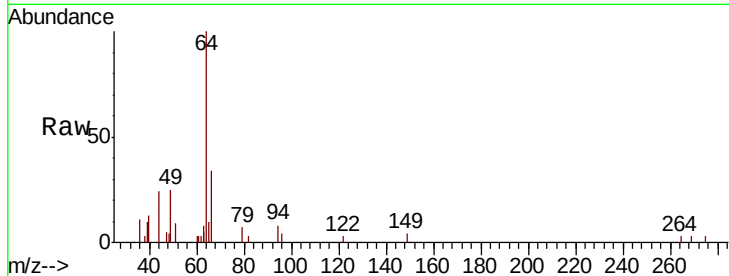
Acq: 13 May 2022 16:19

Tot Ion: 64 Resp: 8906

Ion Ratio Lower Upper

64 100

66 34.4 23.8 35.8



#8

Dichlorotetrafluoroethane

Concen: 0.429 ppbv

RT: 3.18 min Scan# 123

Delta R.T. -0.01 min

Lab File: VL039039.D

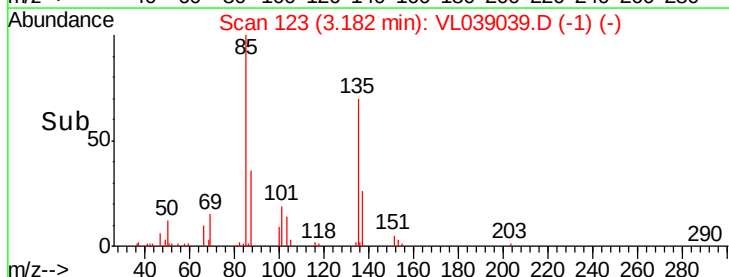
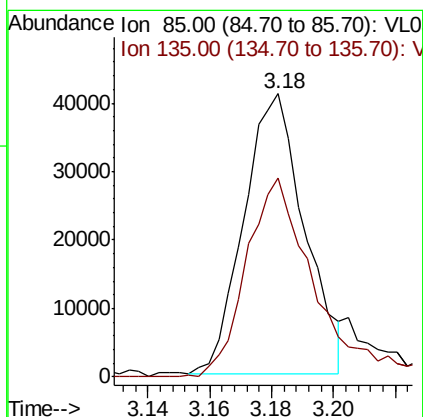
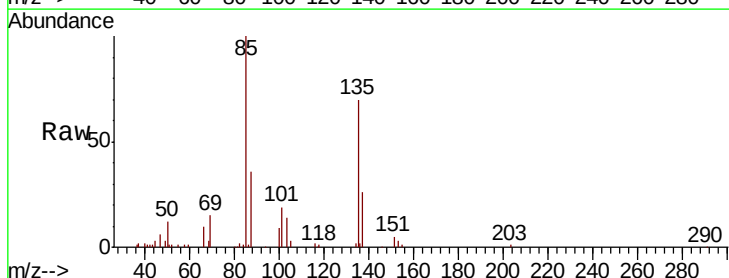
Acq: 13 May 2022 16:19

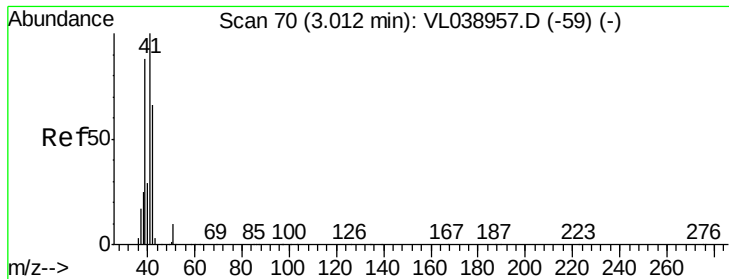
Tgt Ion: 85 Resp: 55825

Ion Ratio Lower Upper

85 100

135 84.0 53.6 80.4#





#9

Propene

Concen: 0.236 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

0.4 MDL

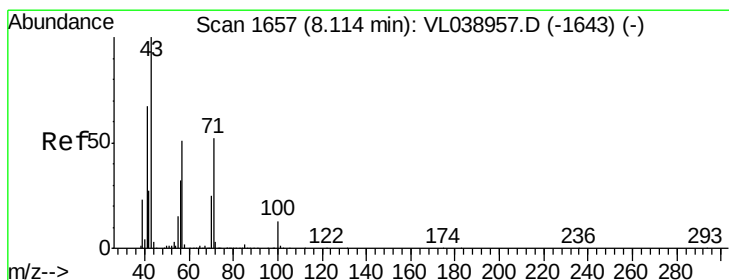
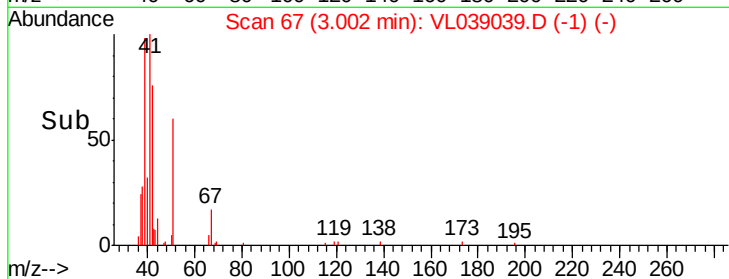
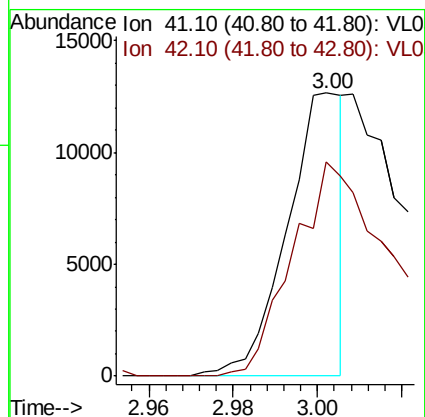
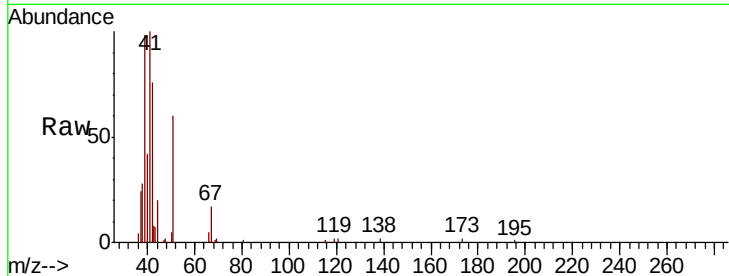
Acq: 13 May 2022 16:19

Tot Ion: 41 Resp: 11697

Ion Ratio Lower Upper

41 100

42 154.8 58.3 87.5#



#10

Heptane

Concen: 0.108 ppbv

RT: 8.09 min Scan# 1649

Delta R.T. -0.03 min

Lab File: VL039039.D

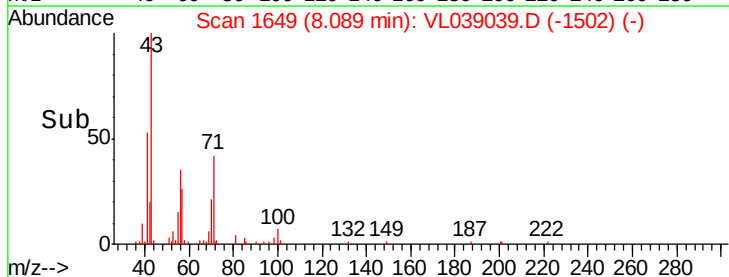
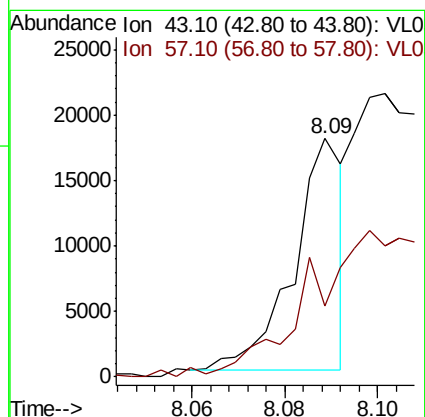
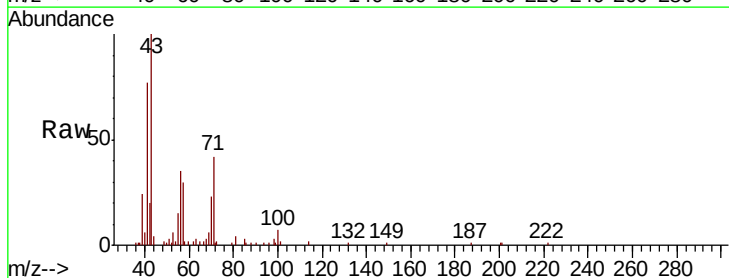
Acq: 13 May 2022 16:19

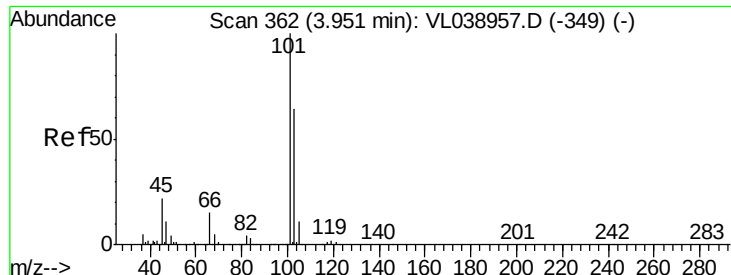
Tgt Ion: 43 Resp: 13119

Ion Ratio Lower Upper

43 100

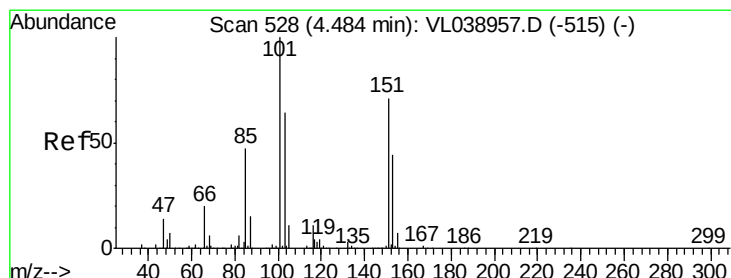
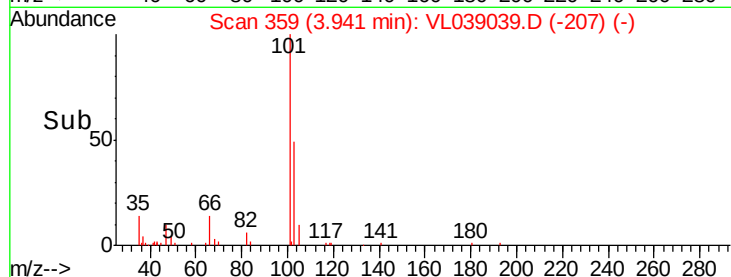
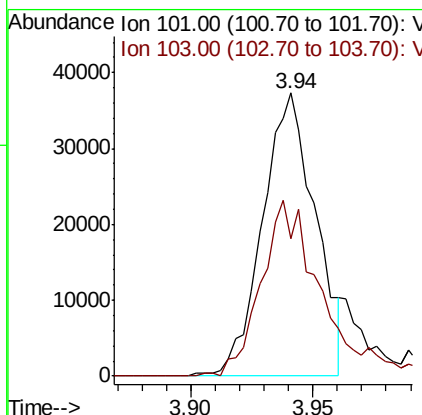
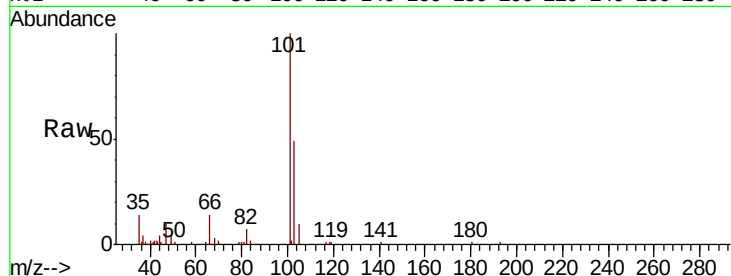
57 0.0 40.5 60.7#





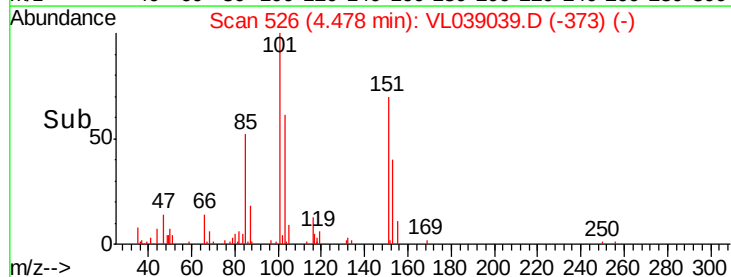
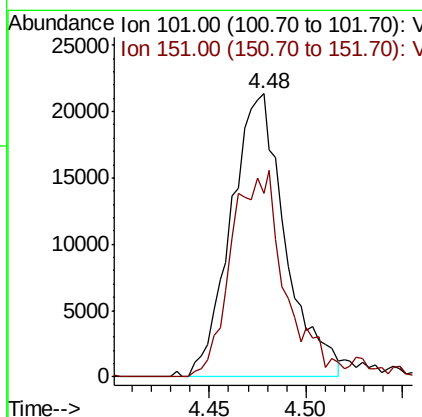
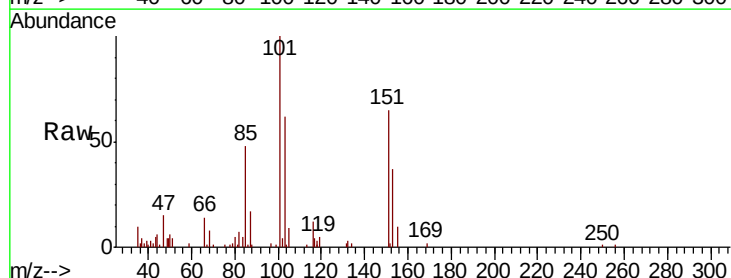
#11
 Trichlorofluoromethane
 Concen: 0.456 ppbv
 RT: 3.94
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 13 May 2022 16:19

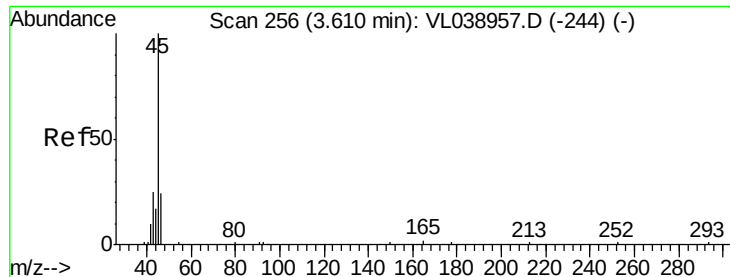
Tot Ion:101 Resp: 56204
 Ion Ratio Lower Upper
 101 100
 103 48.6 51.5 77.3#



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.492 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. -0.01 min
 Lab File: VL039039.D
 Acq: 13 May 2022 16:19

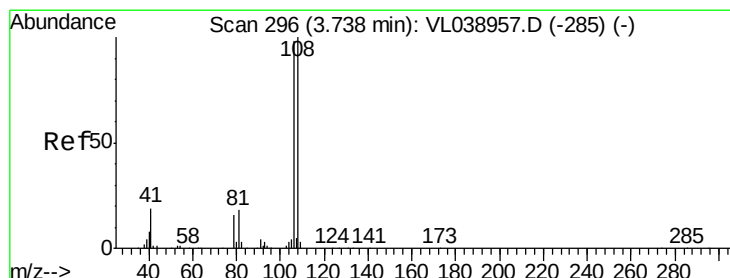
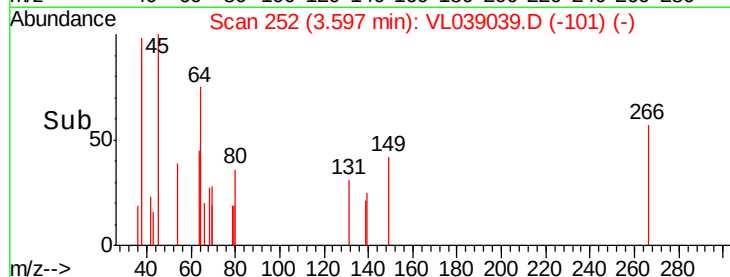
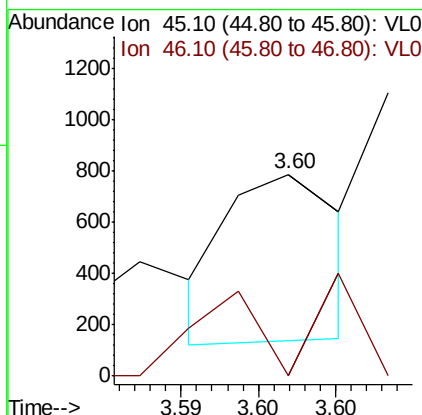
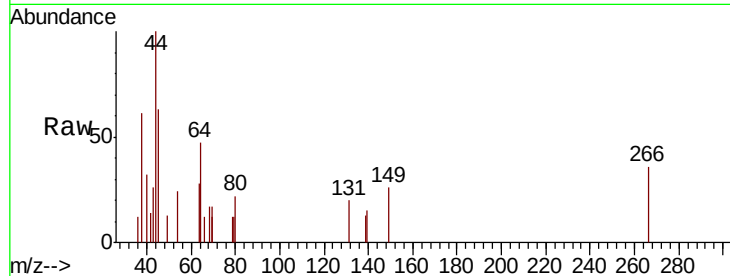
Tgt Ion:101 Resp: 41718
 Ion Ratio Lower Upper
 101 100
 151 76.1 55.4 83.0





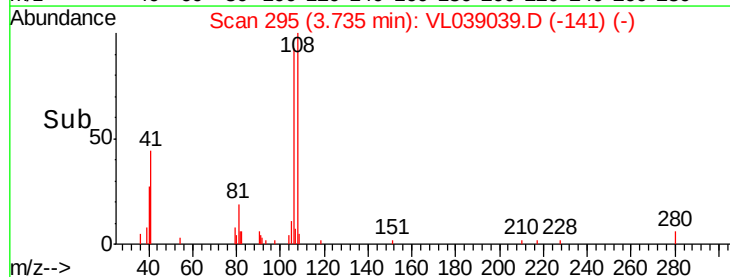
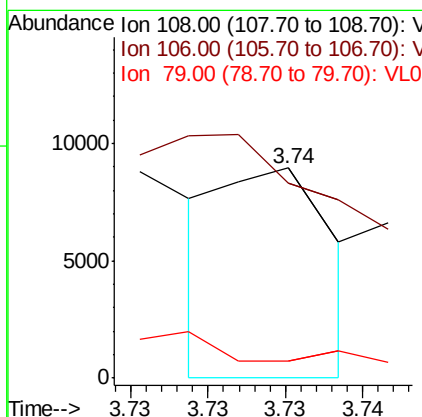
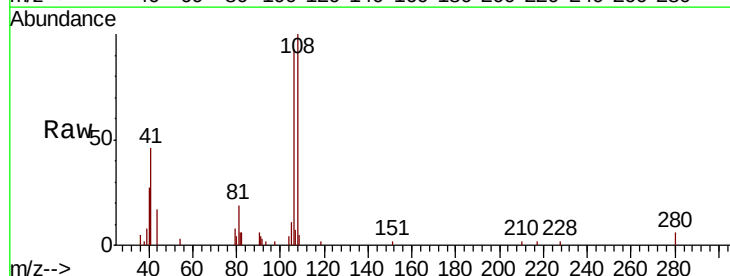
#13
Ethanol
Concen: 0.095 ppbv
RT: 3.60
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
Acq: 13 May 2022 16:19

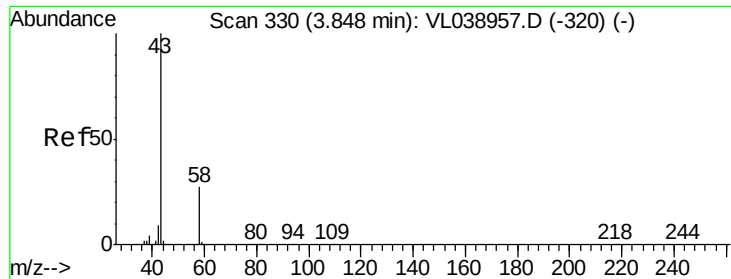
Tot Ion: 45 Resp: 334
Ion Ratio Lower Upper
45 100
46 0.0 18.0 72.2#



#14
Bromoethene
Concen: 0.127 ppbv
RT: 3.74 min Scan# 295
Delta R.T. -0.00 min
Lab File: VL039039.D
Acq: 13 May 2022 16:19

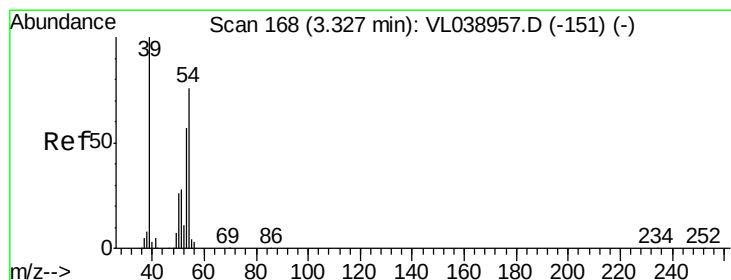
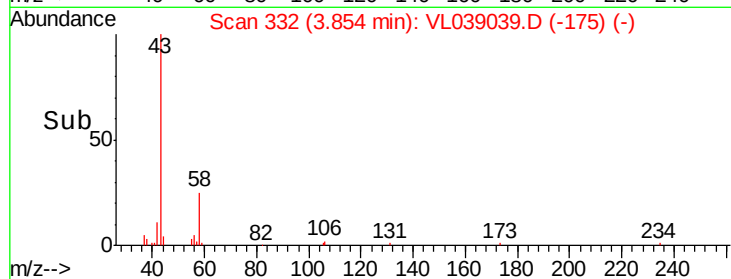
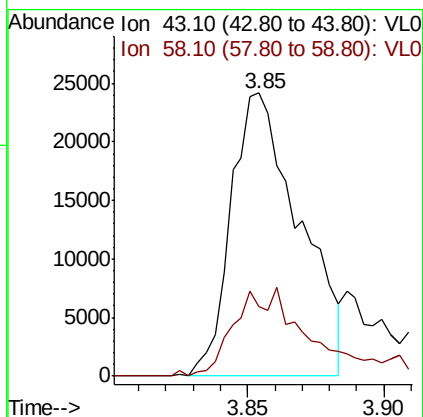
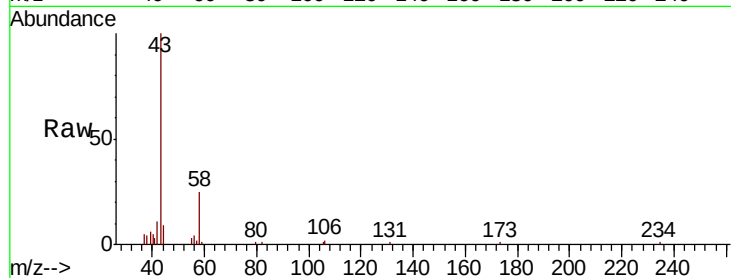
Tgt Ion: 108 Resp: 4448
Ion Ratio Lower Upper
108 100
106 438.4 90.3 135.5#
79 79.1 14.9 22.3#





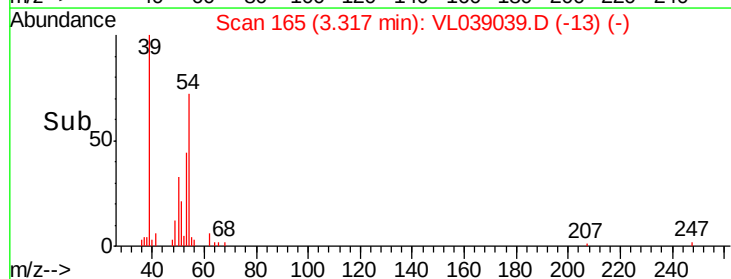
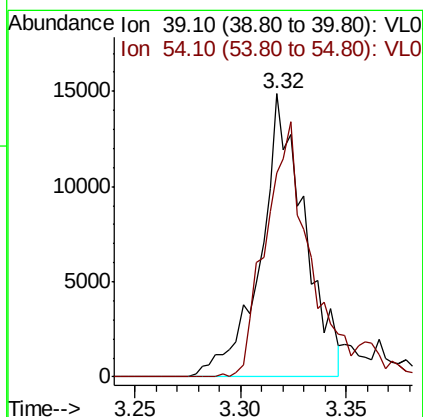
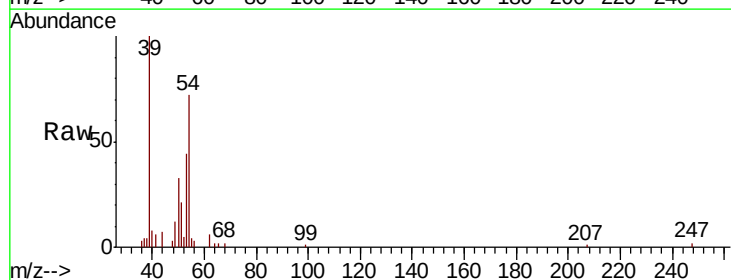
#15
Acetone
Concen: 0.489 ppbv
RT: 3.85
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 13 May 2022 16:19

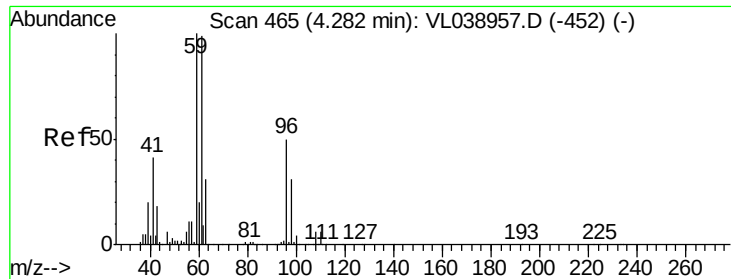
Tot Ion: 43 Resp: 42240
Ion Ratio Lower Upper
43 100
58 36.7 21.3 31.9#



#16
1,3-Butadiene
Concen: 0.433 ppbv
RT: 3.32 min Scan# 165
Delta R.T. -0.01 min
Lab File: VL039039.D
Acq: 13 May 2022 16:19

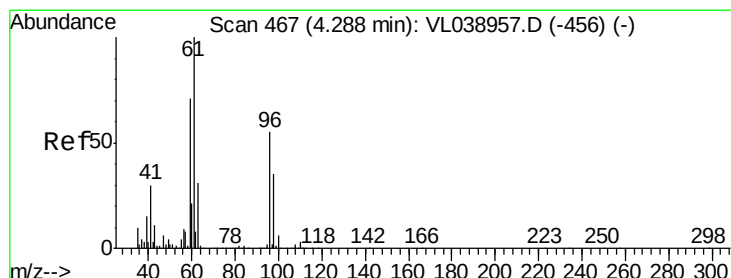
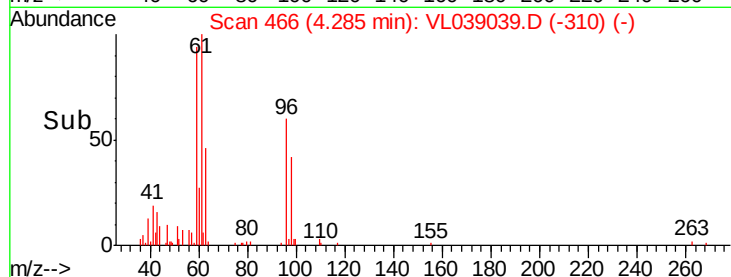
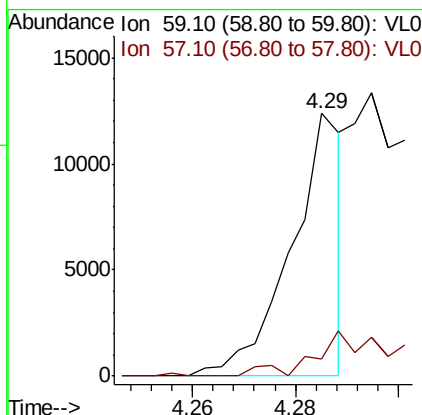
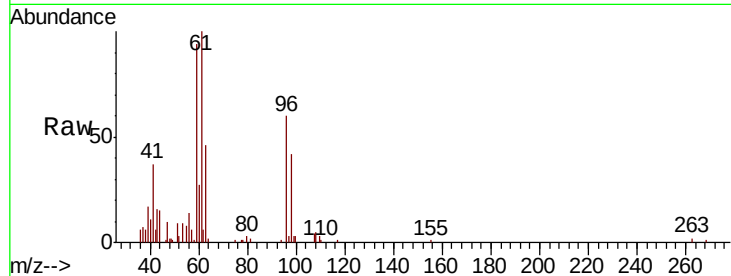
Tgt Ion: 39 Resp: 21499
Ion Ratio Lower Upper
39 100
54 97.1 65.2 97.8





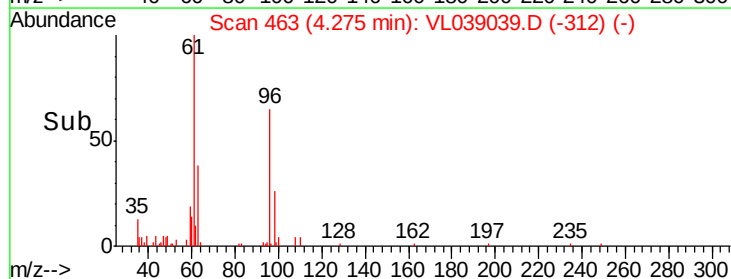
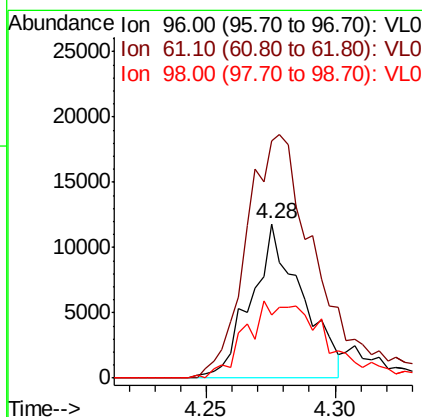
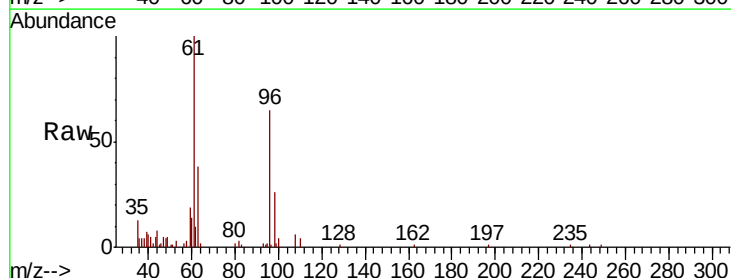
#17
tert-Butyl alcohol
Concen: 0.128 ppbv
RT: 4.29
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 13 May 2022 16:19

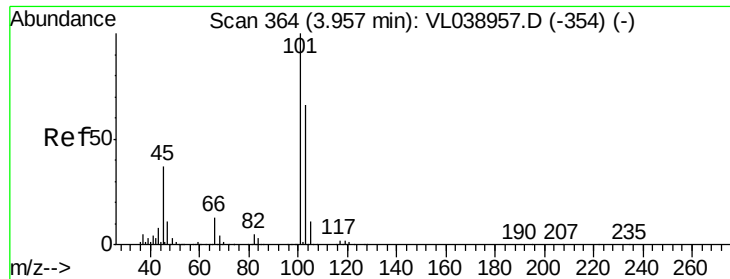
Tot Ion: 59 Resp: 8502
Ion Ratio Lower Upper
59 100
57 43.6 9.2 13.8#



#18
1,1-Dichloroethene
Concen: 0.448 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.01 min
Lab File: VL039039.D
Acq: 13 May 2022 16:19

Tgt Ion: 96 Resp: 16350
Ion Ratio Lower Upper
96 100
61 154.0 146.3 219.5
98 40.8 50.6 75.8#





#19

Isopropyl Alcohol

Concen: 0.423 ppbv

RT: 3.97

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

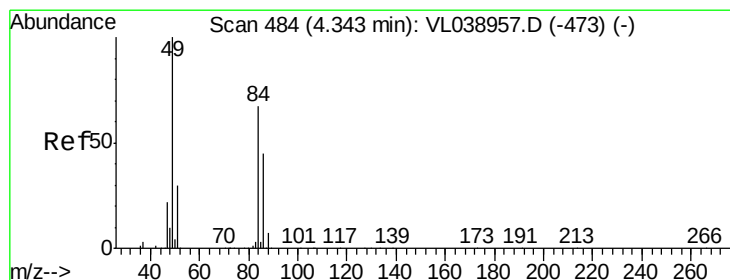
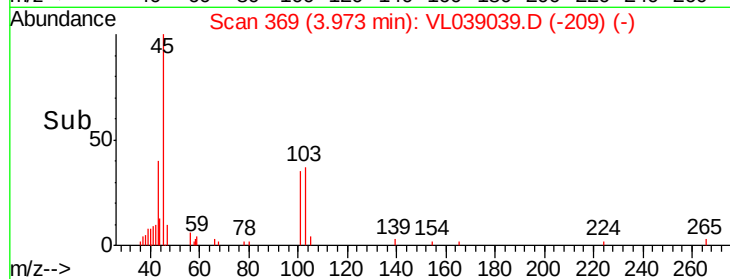
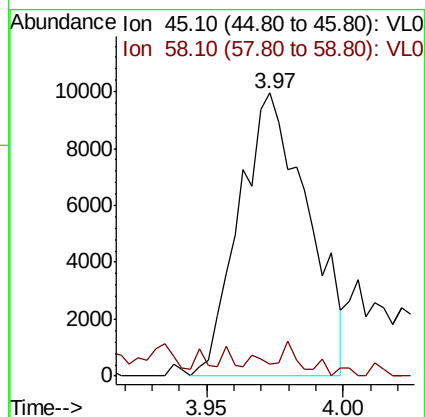
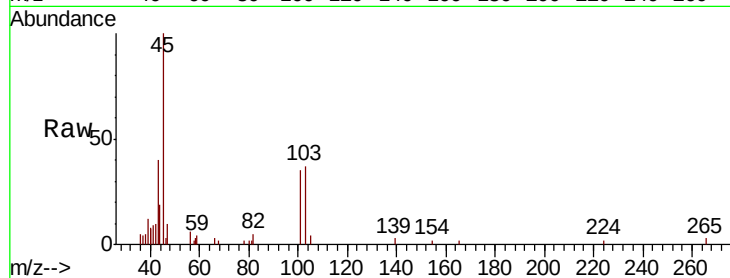
Acq: 13 May 2022 16:19

Tot Ion: 45 Resp: 17394

Ion Ratio Lower Upper

45 100

58 14.0 1.4 2.2#



#20

Methylene Chloride

Concen: 0.498 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.01 min

Lab File: VL039039.D

Acq: 13 May 2022 16:19

Tgt Ion: 84 Resp: 16223

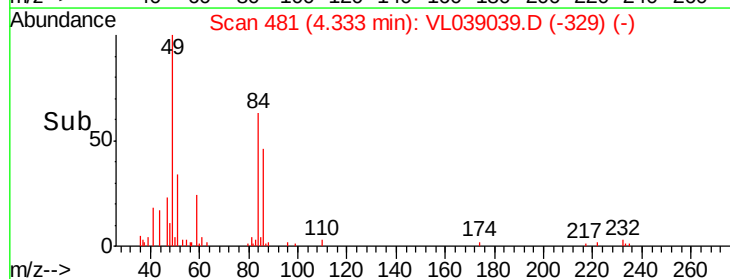
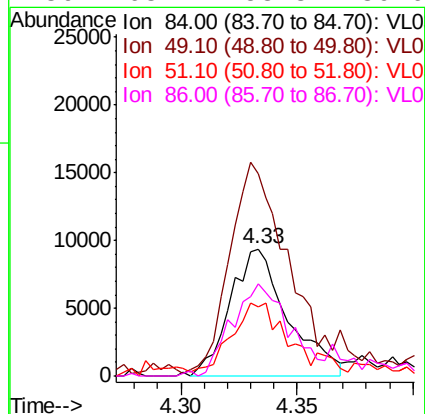
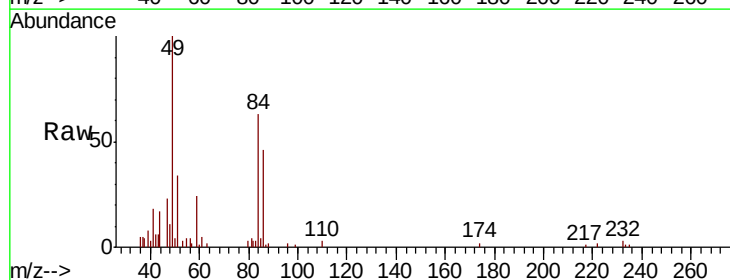
Ion Ratio Lower Upper

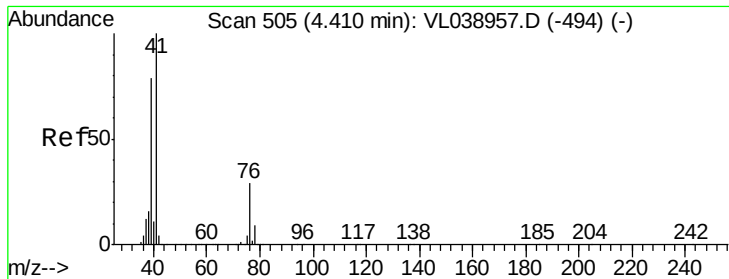
84 100

49 154.9 119.9 179.9

51 50.8 35.7 53.5

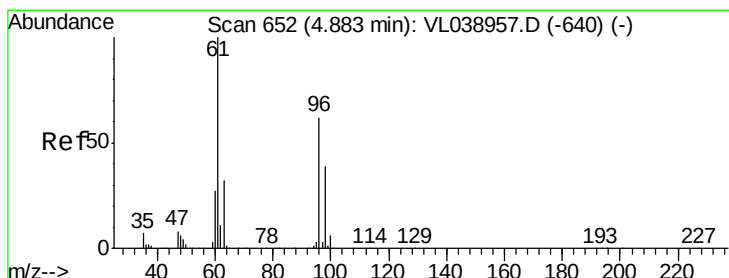
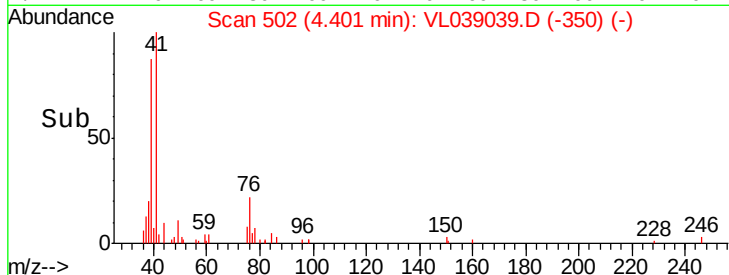
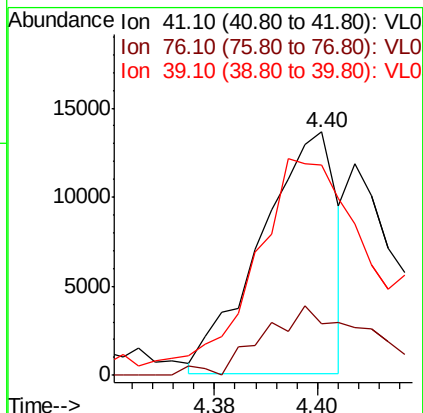
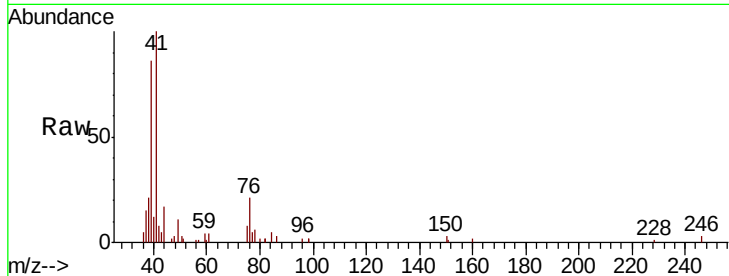
86 68.2 53.8 80.6





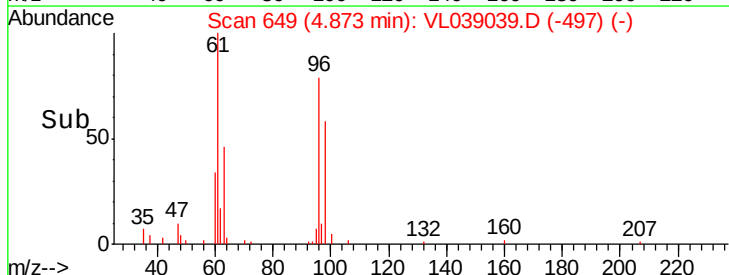
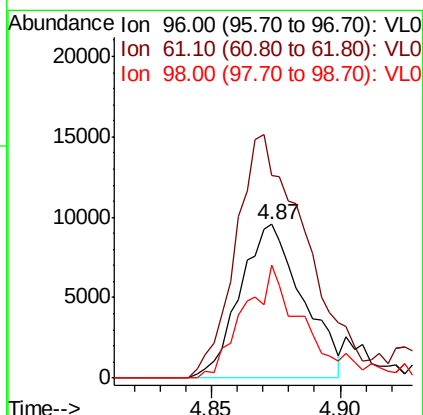
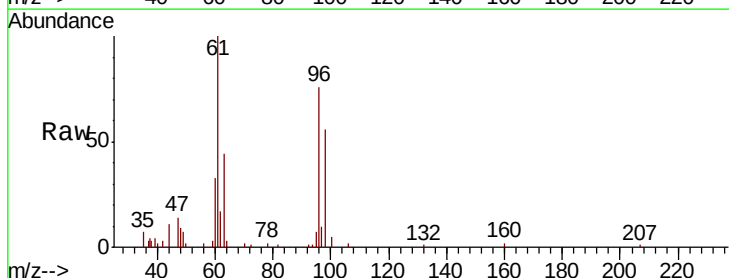
#21
Allvl Chloride
Concen: 0.237 ppbv
RT: 4.40
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 13 May 2022 16:19

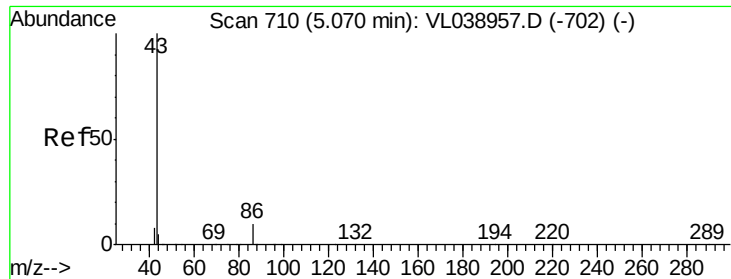
Tot Ion: 41 Resp: 13930
Ion Ratio Lower Upper
41 100
76 48.9 24.2 36.4#
39 184.2 63.8 95.8#



#22
trans-1,2-Dichloroethene
Concen: 0.410 ppbv
RT: 4.87 min Scan# 649
Delta R.T. -0.01 min
Lab File: VL039039.D
Acq: 13 May 2022 16:19

Tgt Ion: 96 Resp: 16148
Ion Ratio Lower Upper
96 100
61 131.6 128.2 192.2
98 73.3 50.1 75.1





#23

Vinyl Acetate

Concen: 0.170 ppbv

RT: 5.06 Instrument: MSVOA_1

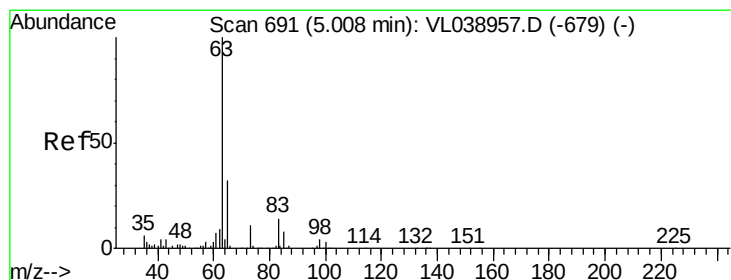
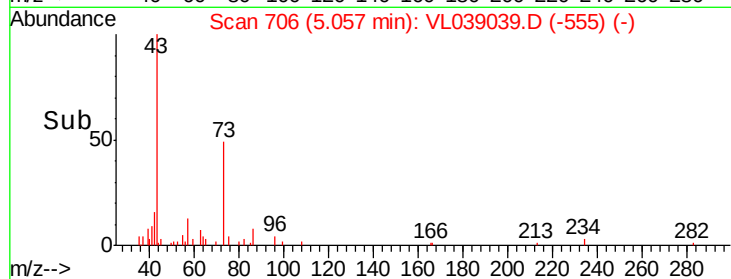
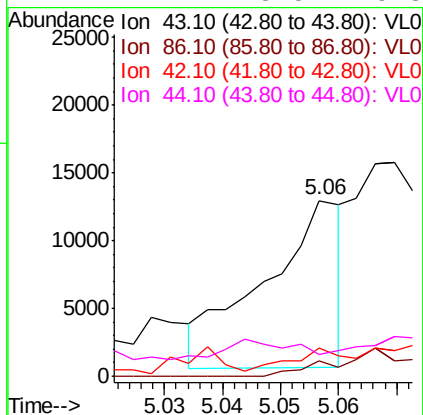
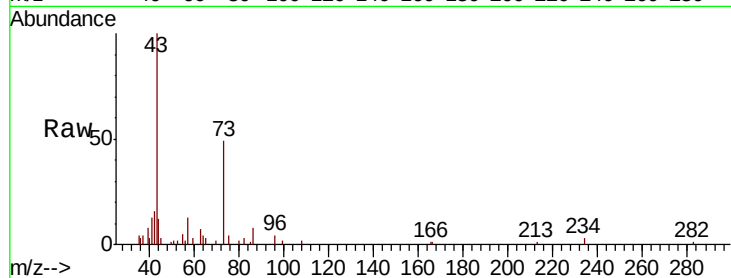
Delta R.T.

Lab File: ClientSampleId:

Acq: 13 May 2022 16:19

Tot Ion: 43 Resp: 11654

Ion	Ratio	Lower	Upper
43	100		
86	11.9	6.6	9.8#
42	12.4	8.1	12.1#
44	1.1	3.5	5.3#



#24

1,1-Dichloroethane

Concen: 0.436 ppbv

RT: 5.00 min Scan# 687

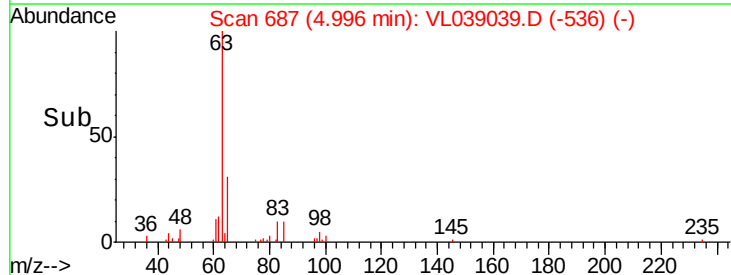
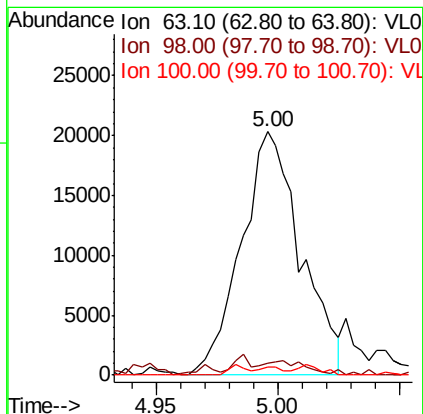
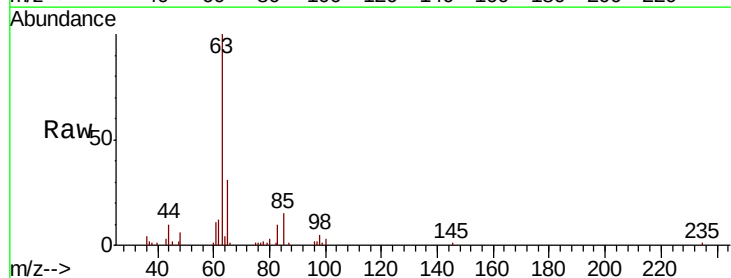
Delta R.T. -0.01 min

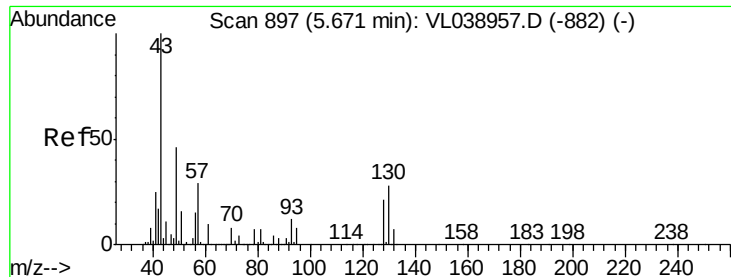
Lab File: VL039039.D

Acq: 13 May 2022 16:19

Tgt Ion: 63 Resp: 34354

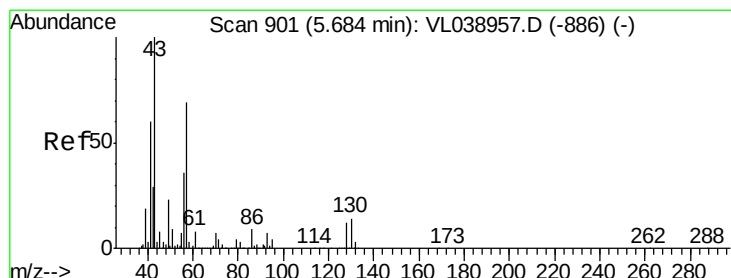
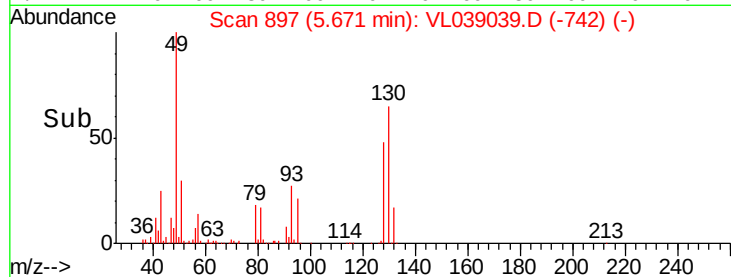
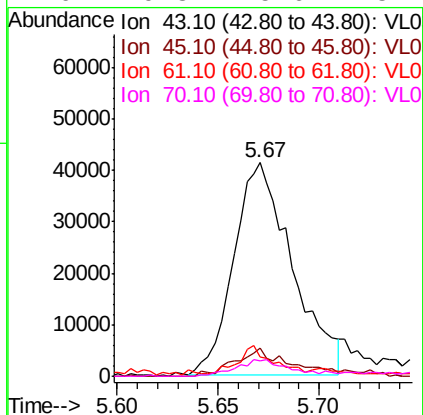
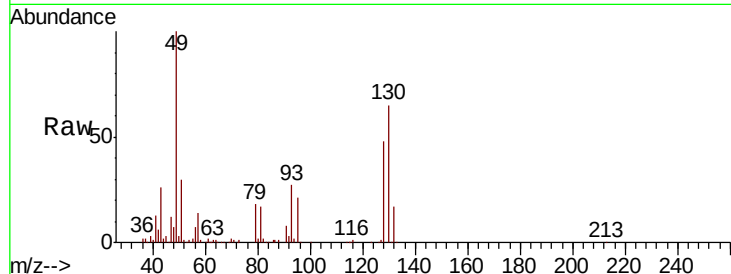
Ion	Ratio	Lower	Upper
63	100		
98	3.7	2.1	6.2
100	3.4	1.4	4.2





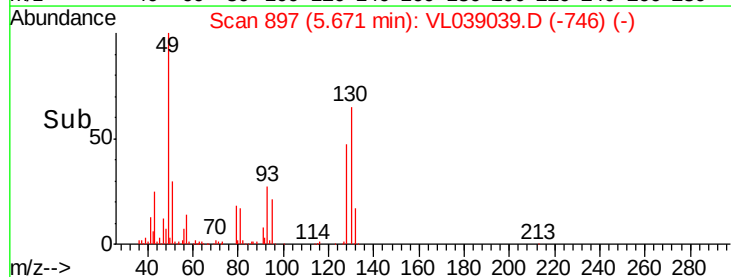
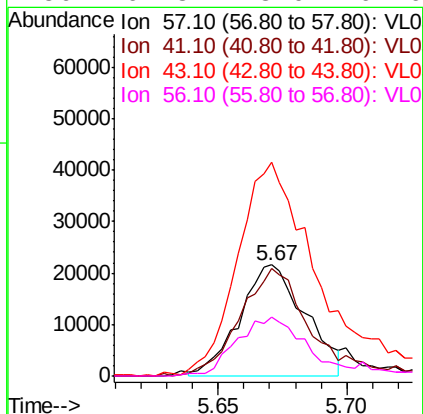
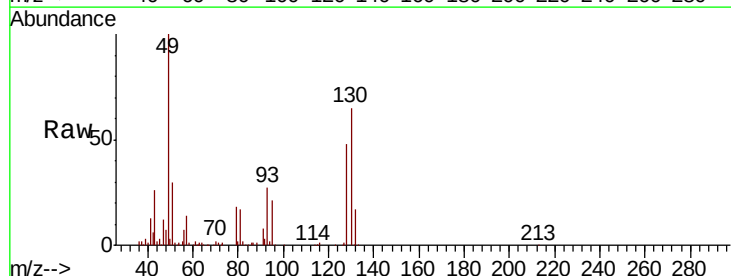
#25
Ethyl Acetate
Concen: 0.404 ppbv
RT: 5.67 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 13 May 2022 16:19

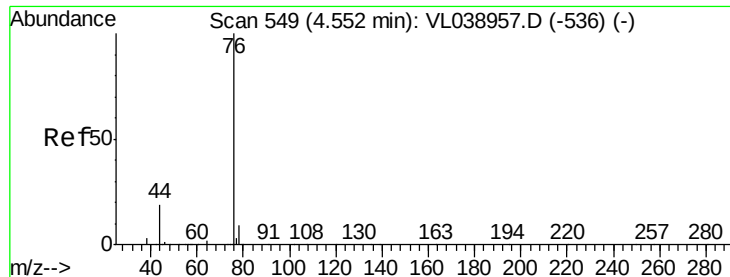
Tot Ion:	43	Resp:	83470
Ion	Ratio	Lower	Upper
43	100		
45	13.6	8.1	12.1#
61	12.7	7.8	11.6#
70	9.8	5.6	8.4#



#26
Hexane
Concen: 0.417 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.01 min
Lab File: VL039039.D
Acq: 13 May 2022 16:19

Tgt Ion:	57	Resp:	38270
Ion	Ratio	Lower	Upper
57	100		
41	109.4	75.2	112.8
43	260.5	190.8	286.2
56	62.8	43.0	64.6





#27

Carbon Disulfide

Concen: 0.321 ppbv

RT: 4.54 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 May 2022 16:19 0.4 MDL

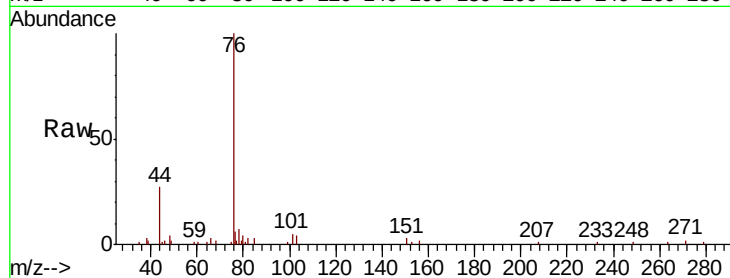
Tot Ion: 76 Resp: 28030

Ion Ratio Lower Upper

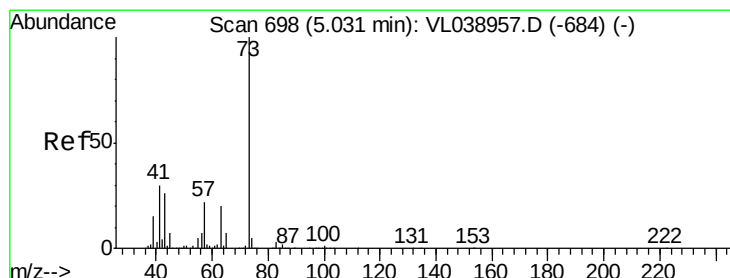
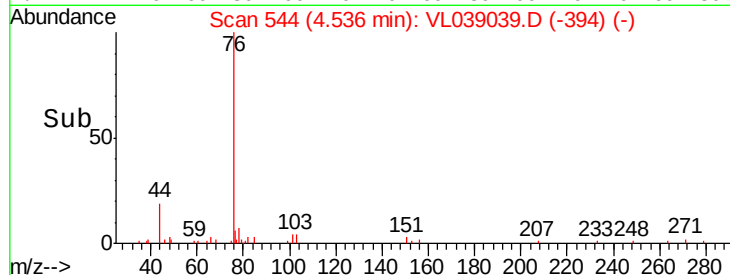
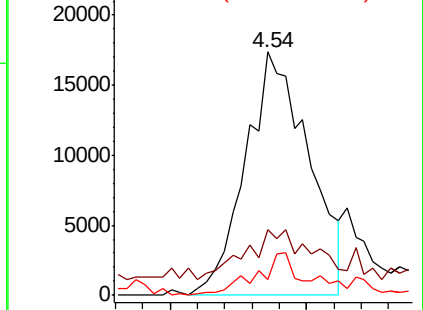
76 100

44 28.5 15.3 22.9#

78 18.3 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: 0.195 ppbv

RT: 5.03 min Scan# 697

Delta R.T. -0.00 min

Lab File: VL039039.D

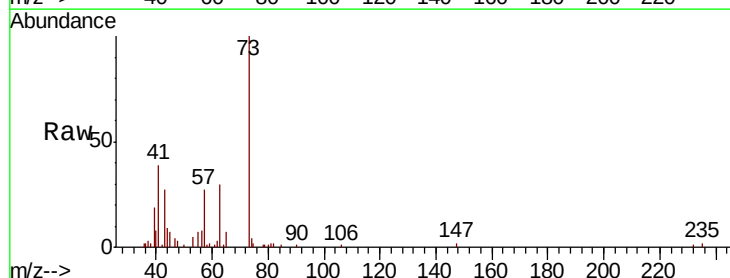
Acq: 13 May 2022 16:19

Tgt Ion: 73 Resp: 13659

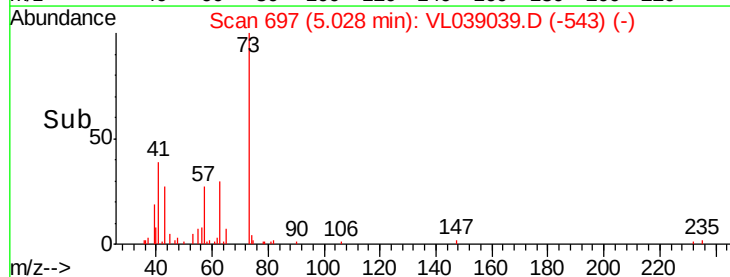
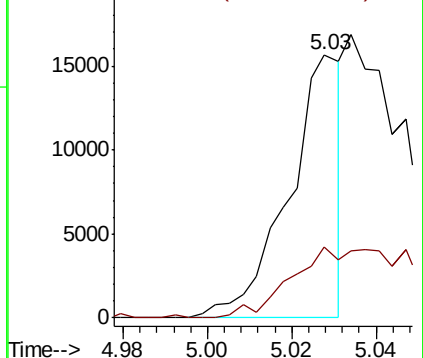
Ion Ratio Lower Upper

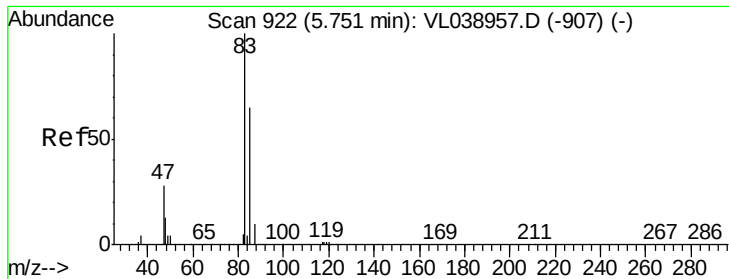
73 100

57 69.8 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: 0.441 ppbv

RT: 5.74 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

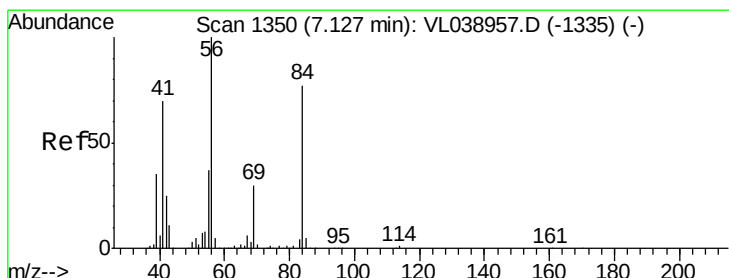
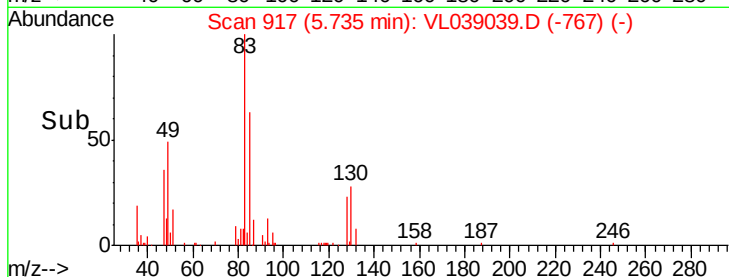
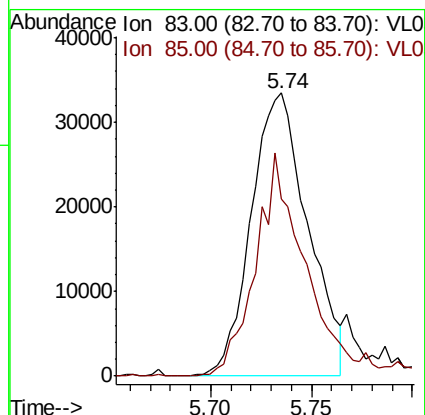
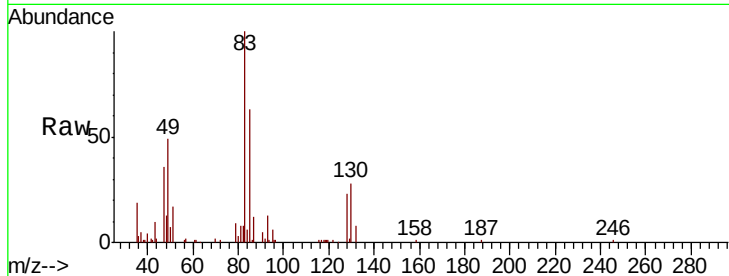
Acq: 13 May 2022 16:19 0.4 MDL

Tot Ion: 83 Resp: 65511

Ion Ratio Lower Upper

83 100

85 62.7 51.8 77.6



#30

Cyclohexane

Concen: 0.100 ppbv

RT: 7.10 min Scan# 1343

Delta R.T. -0.02 min

Lab File: VL039039.D

Acq: 13 May 2022 16:19

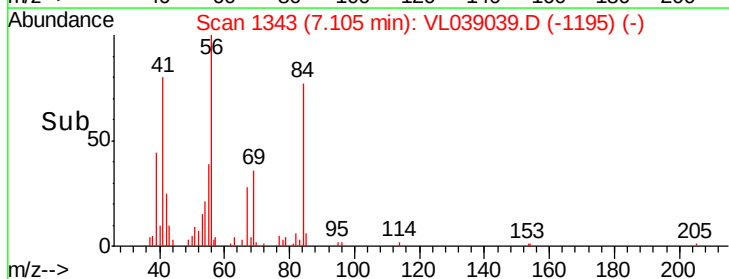
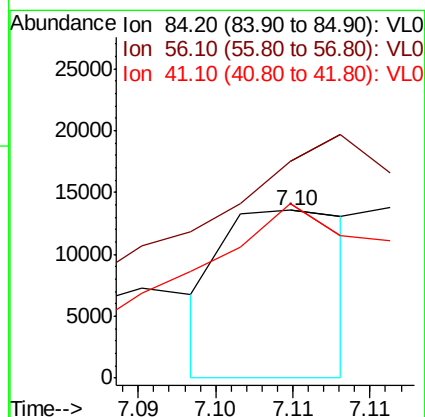
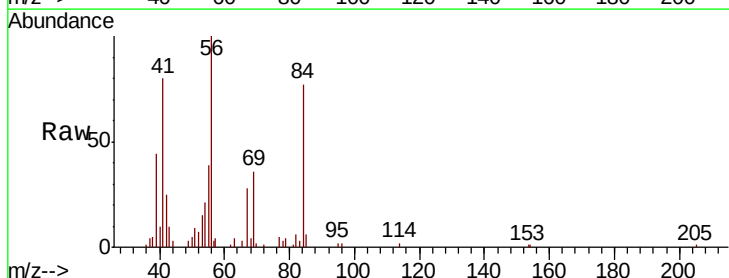
Tgt Ion: 84 Resp: 7677

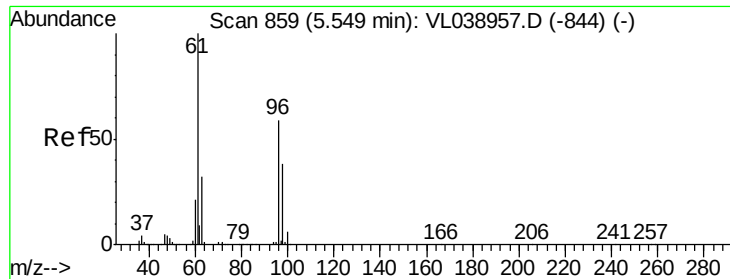
Ion Ratio Lower Upper

84 100

56 518.8 115.3 172.9#

41 384.9 72.0 108.0#





#31

cis-1,2-Dichloroethene

Concen: 0.194 ppbv

RT: 5.53 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 May 2022 16:19

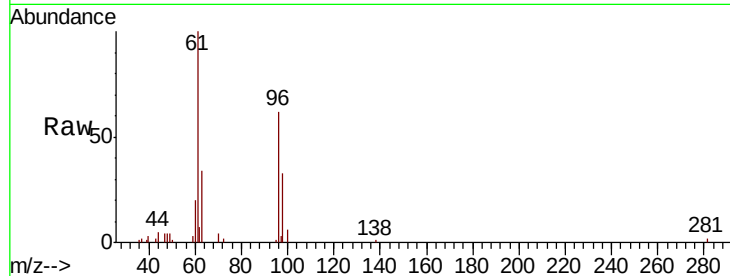
Tot Ion: 61 Resp: 18188

Ion Ratio Lower Upper

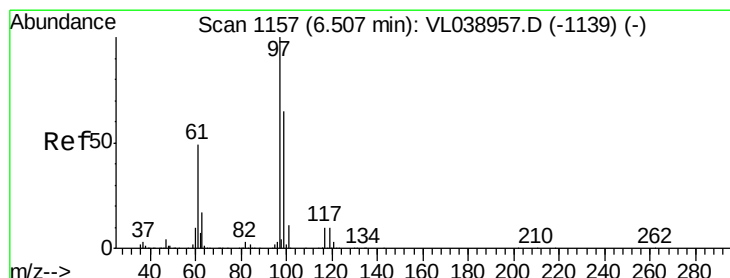
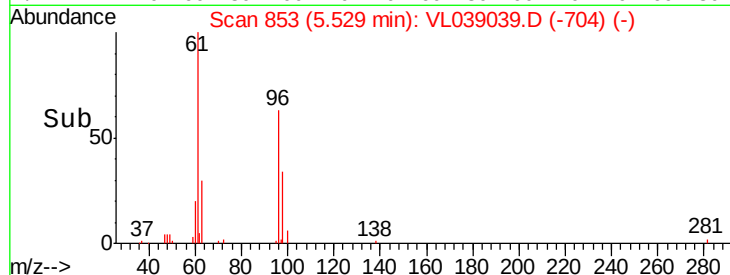
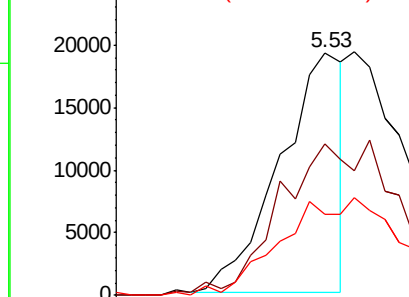
61 100

96 61.9 47.4 71.0

98 33.7 30.6 45.8



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



#32

1,1,1-Trichloroethane

Concen: 0.413 ppbv

RT: 6.50 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VL039039.D

Acq: 13 May 2022 16:19

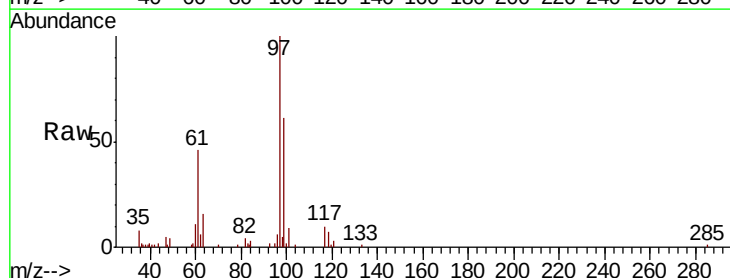
Tgt Ion: 97 Resp: 61417

Ion Ratio Lower Upper

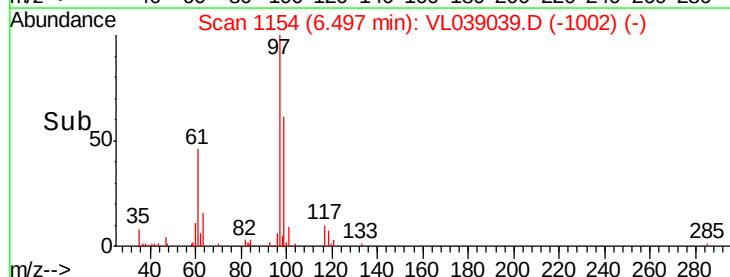
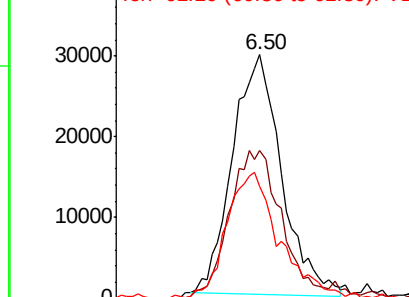
97 100

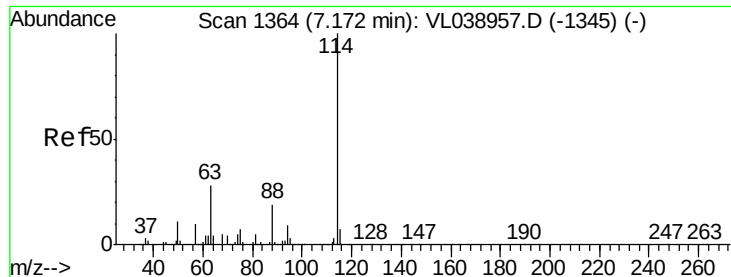
99 67.6 51.9 77.9

61 55.9 40.9 61.3



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





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 May 2022 16:19

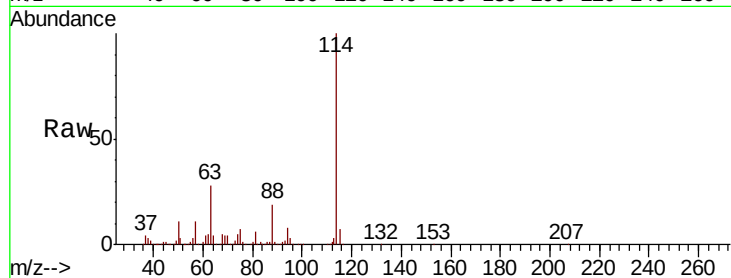
Tot Ion:114 Resp: 2298165

Ion Ratio Lower Upper

114 100

63 27.7 22.6 33.8

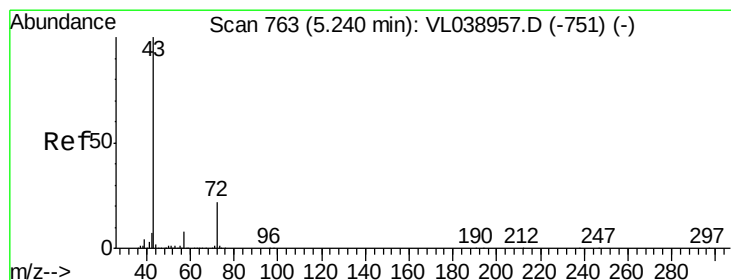
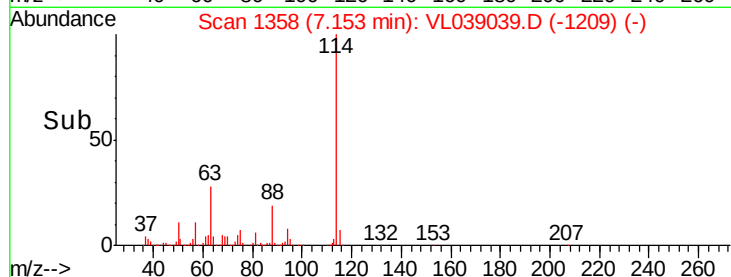
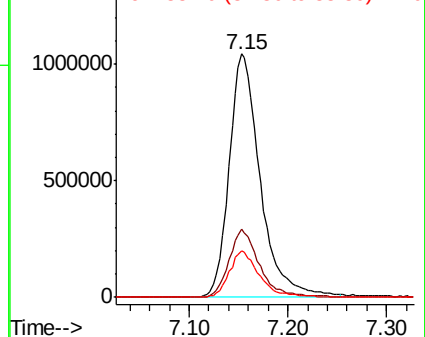
88 18.8 15.4 23.0



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 0.193 ppbv

RT: 5.24 min Scan# 764

Delta R.T. 0.00 min

Lab File: VL039039.D

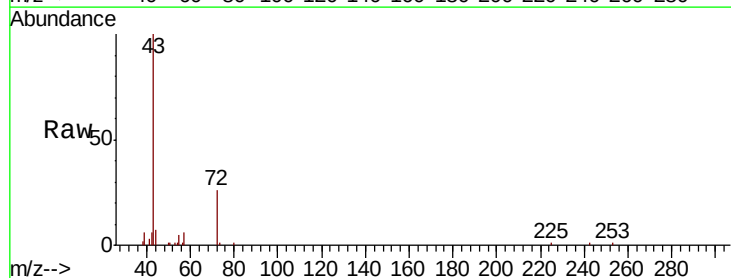
Acq: 13 May 2022 16:19

Tgt Ion: 43 Resp: 22626

Ion Ratio Lower Upper

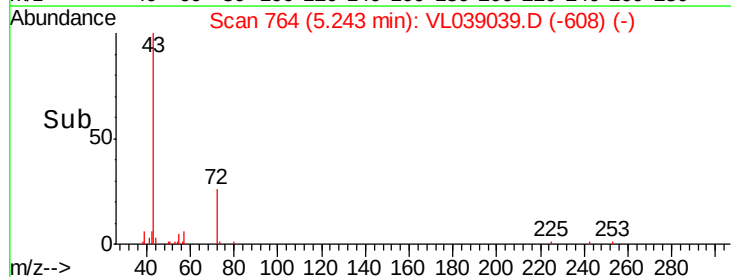
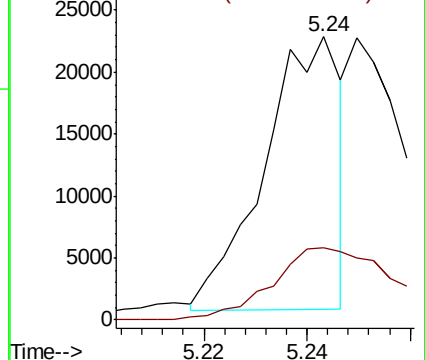
43 100

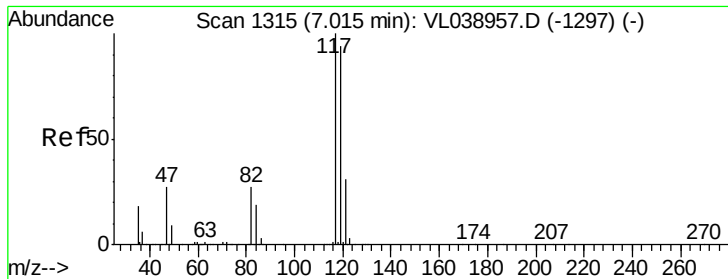
72 58.3 17.8 26.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

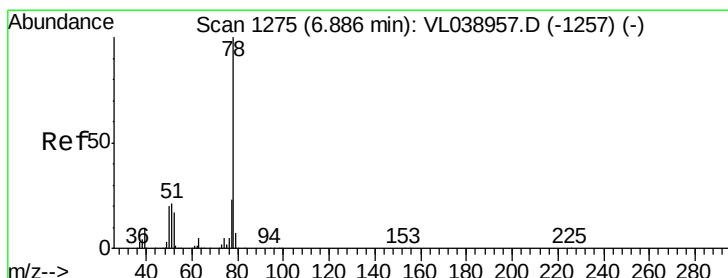
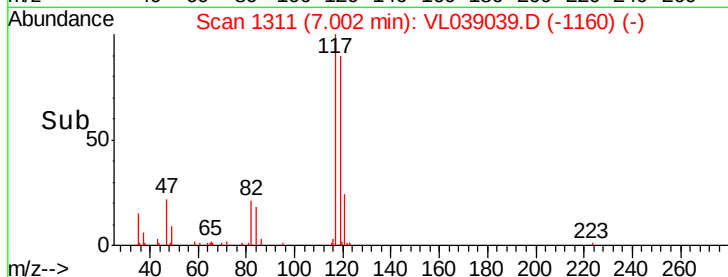
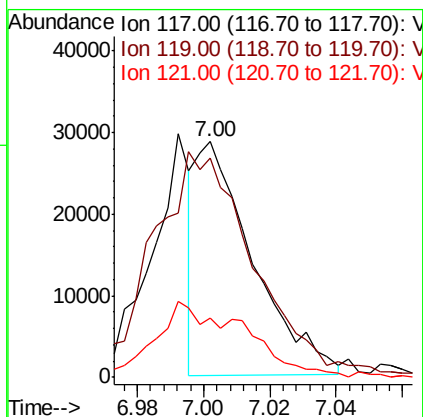
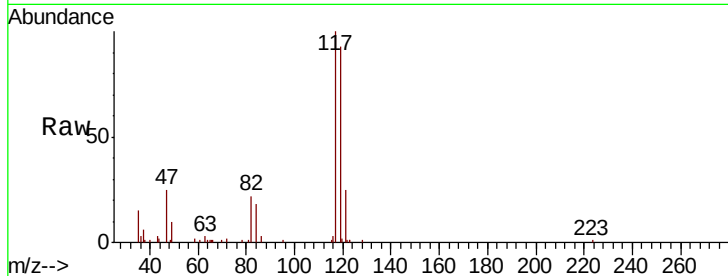
Ion 72.10 (71.80 to 72.80): VL0





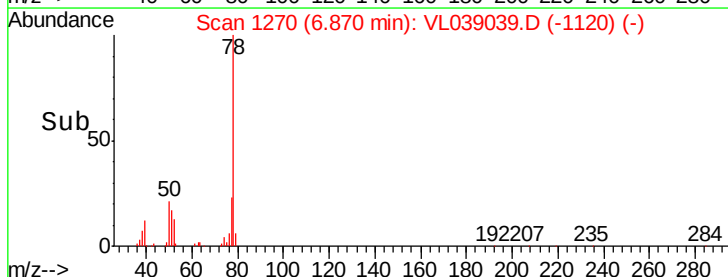
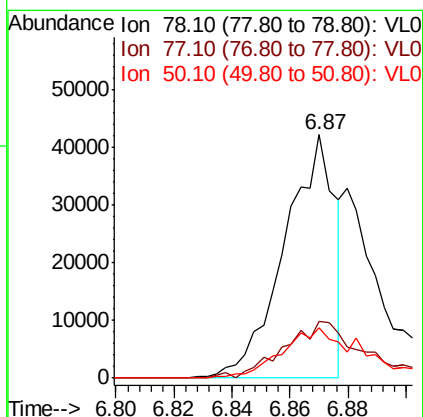
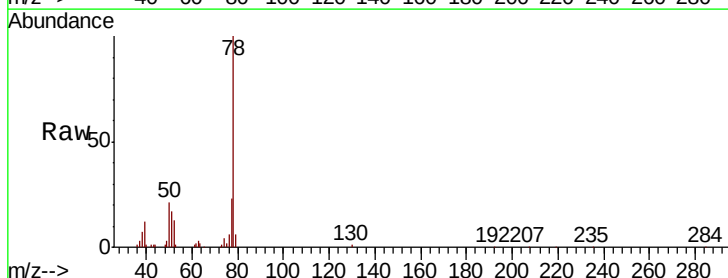
#35
Carbon Tetrachloride
Concen: 0.225 ppbv
RT: 7.00
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 13 May 2022 16:19

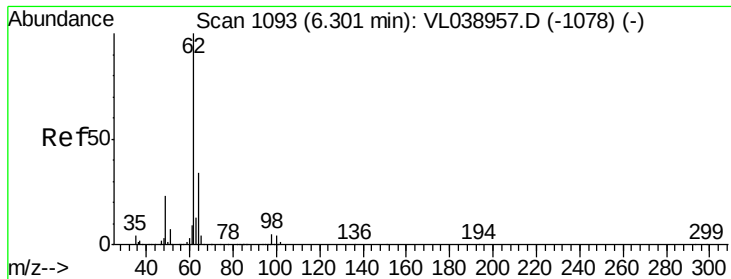
Tot Ion:117 Resp: 34100
Ion Ratio Lower Upper
117 100
119 93.2 75.2 112.8
121 24.8 24.6 37.0



#36
Benzene
Concen: 0.259 ppbv
RT: 6.87 min Scan# 1270
Delta R.T. -0.02 min
Lab File: VL039039.D
Acq: 13 May 2022 16:19

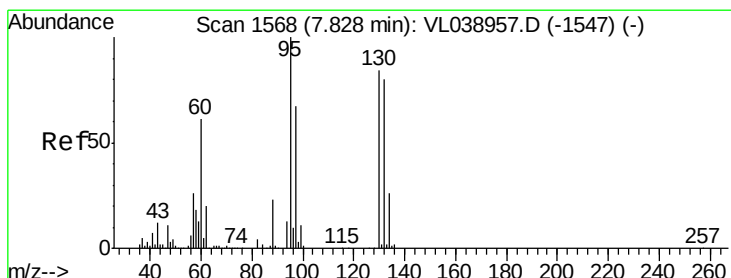
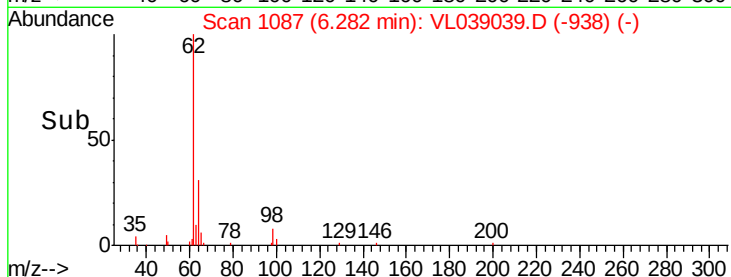
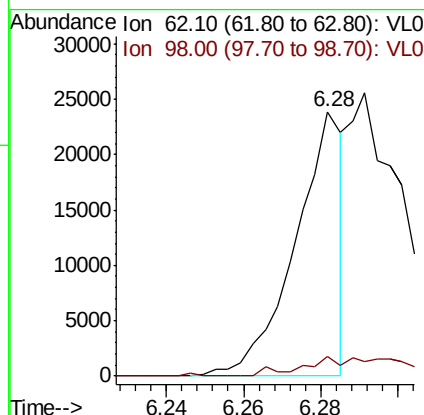
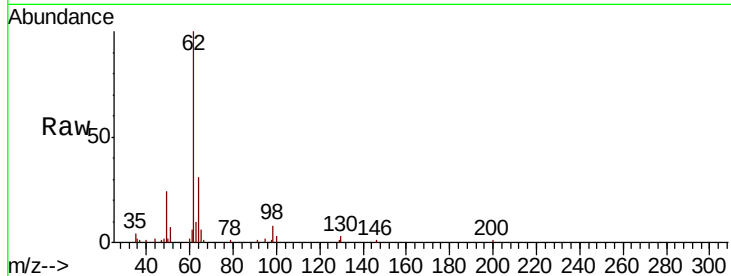
Tgt Ion: 78 Resp: 50985
Ion Ratio Lower Upper
78 100
77 23.1 18.6 28.0
50 20.8 15.6 23.4





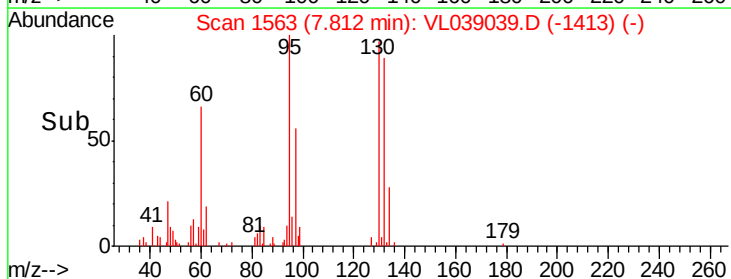
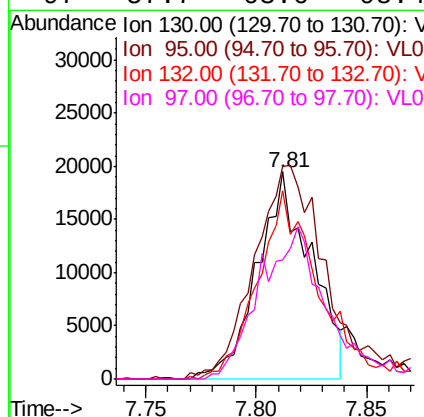
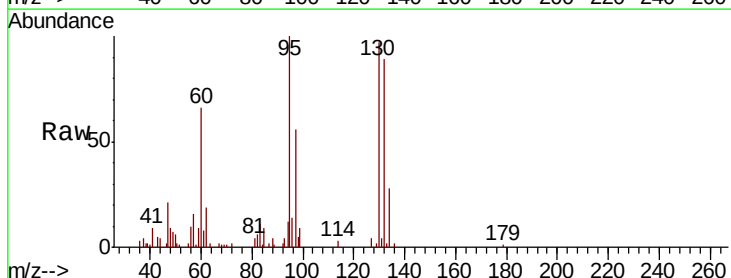
#37
 1,2-Dichloroethane
 Concen: 0.167 ppbv
 RT: 6.28
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 13 May 2022 16:19

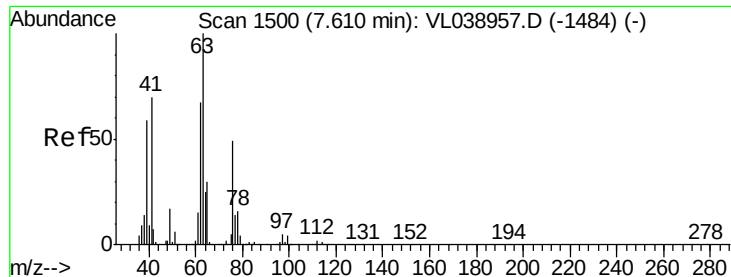
Tot Ion: 62 Resp: 20380
 Ion Ratio Lower Upper
 62 100
 98 16.6 4.5 6.7#



#38
 Trichloroethene
 Concen: 0.376 ppbv
 RT: 7.81 min Scan# 1563
 Delta R.T. -0.02 min
 Lab File: VL039039.D
 Acq: 13 May 2022 16:19

Tgt Ion: 130 Resp: 32853
 Ion Ratio Lower Upper
 130 100
 95 99.6 94.8 142.2
 132 91.8 75.8 113.8
 97 57.7 63.6 95.4#





#39

1,2-Dichloropropane

Concen: 0.213 ppbv

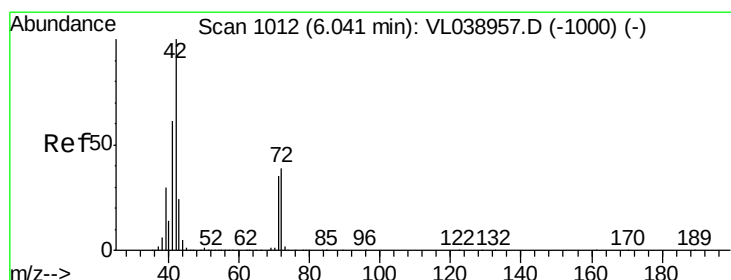
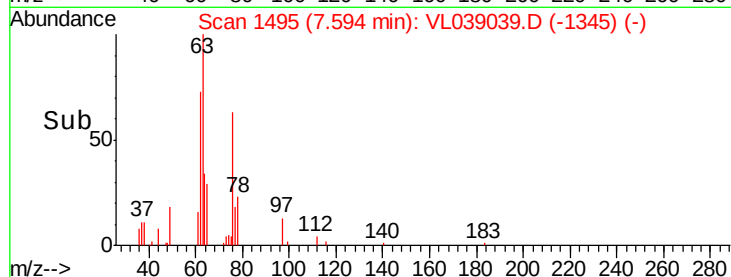
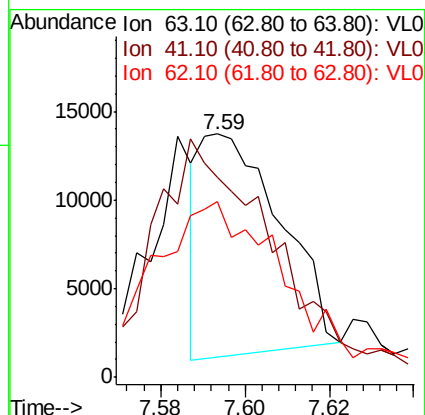
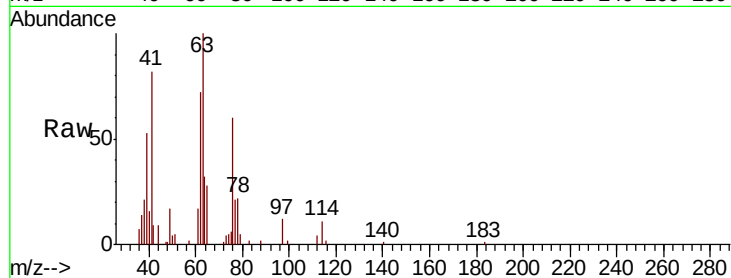
RT: 7.59 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 May 2022 16:19

Tot Ion:	63	Resp:	16325
Ion	Ratio	Lower	Upper
63	100		
41	86.3	55.9	83.9#
62	72.5	53.8	80.6



#41

Tetrahydrofuran

Concen: 0.119 ppbv

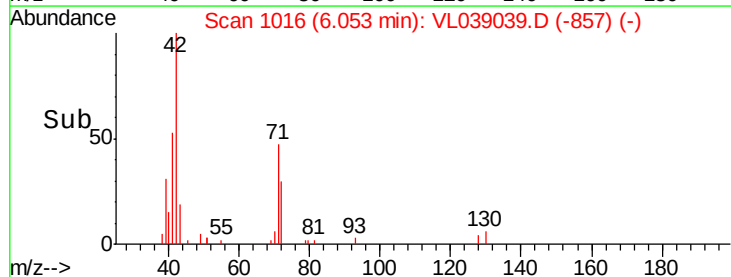
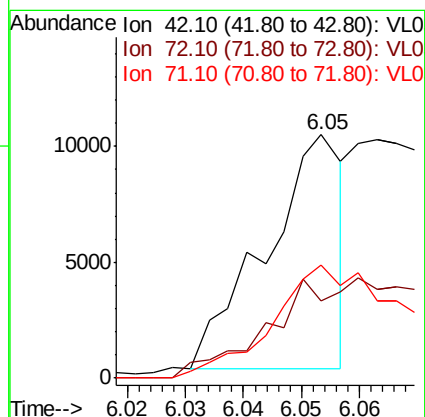
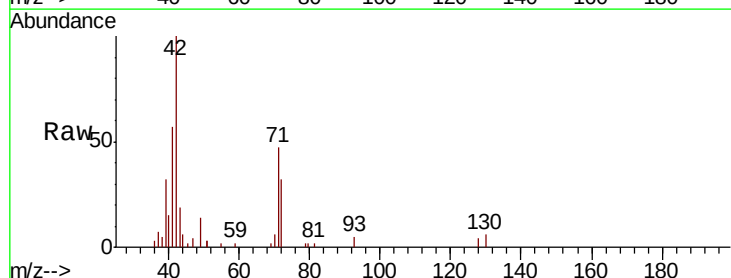
RT: 6.05 min Scan# 1016

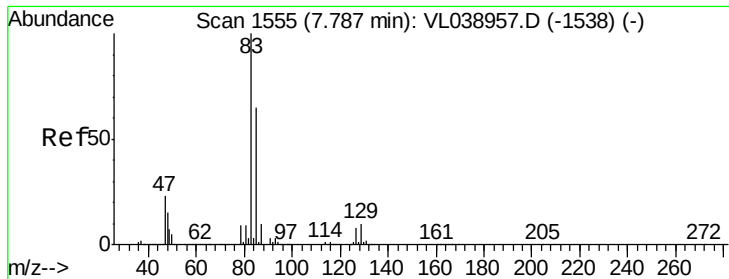
Delta R.T. 0.01 min

Lab File: VL039039.D

Acq: 13 May 2022 16:19

Tgt Ion:	42	Resp:	9355
Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.8	47.6#
71	111.4	30.6	45.8#





#42

Bromodichloromethane

Concen: 0.157 ppbv

RT: 7.76 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 May 2022 16:19

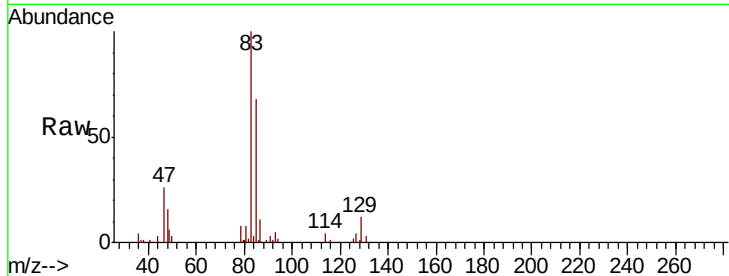
Tot Ion: 83 Resp: 26066

Ion Ratio Lower Upper

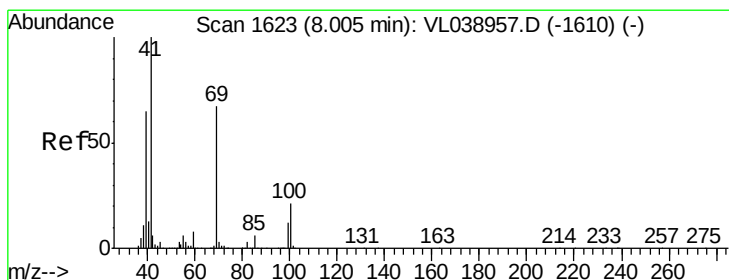
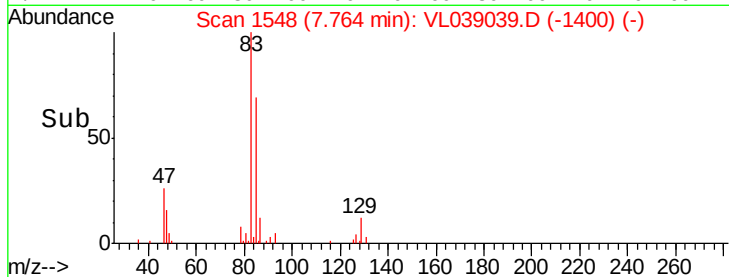
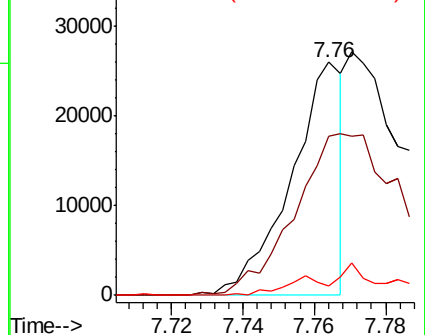
83 100

85 68.2 52.0 78.0

127 3.8 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: 0.175 ppbv

RT: 8.00 min Scan# 1621

Delta R.T. -0.01 min

Lab File: VL039039.D

Acq: 13 May 2022 16:19

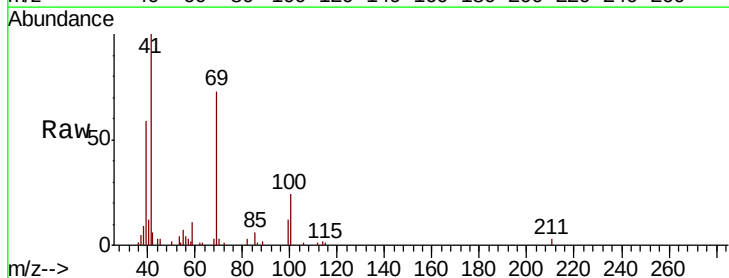
Tgt Ion: 69 Resp: 13994

Ion Ratio Lower Upper

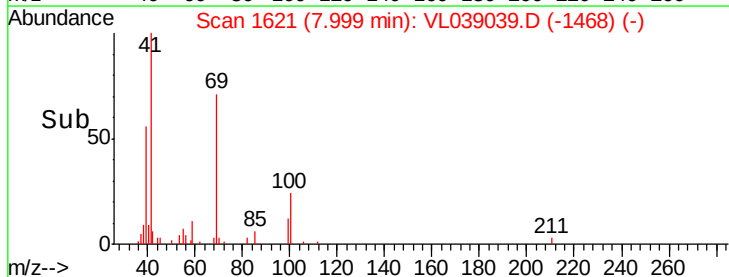
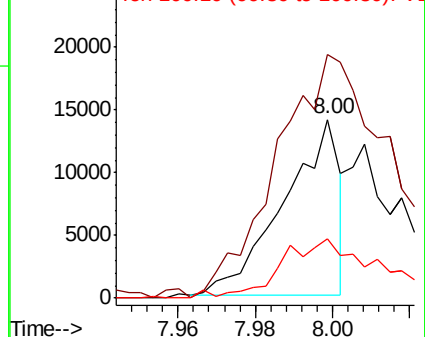
69 100

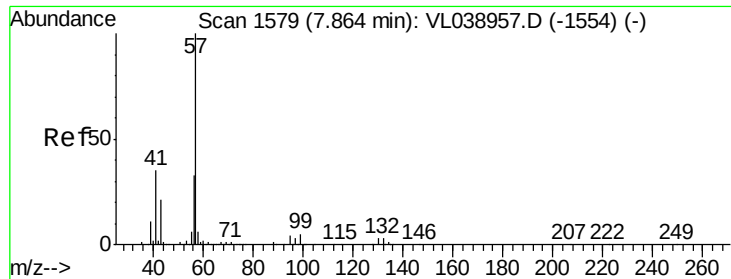
41 313.9 121.9 182.9#

100 68.8 24.6 36.8#



Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0





#44

2,2,4-Trimethylpentane

Concen: 0.227 ppbv

RT: 7.85 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 13 May 2022 16:19

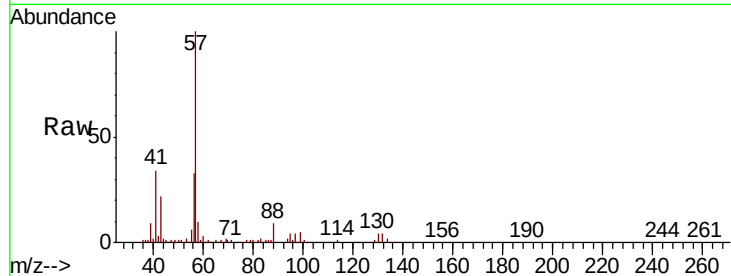
Tot Ion: 57 Resp: 78407

Ion Ratio Lower Upper

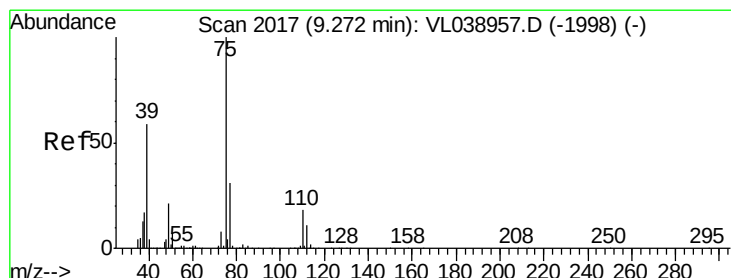
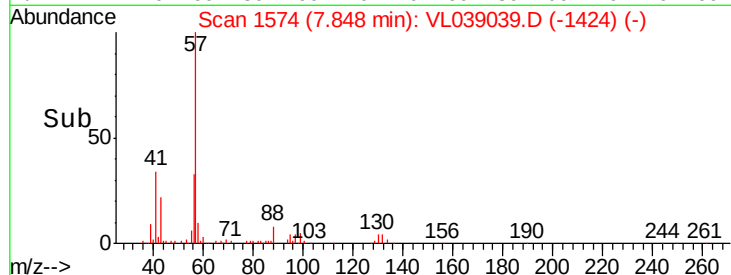
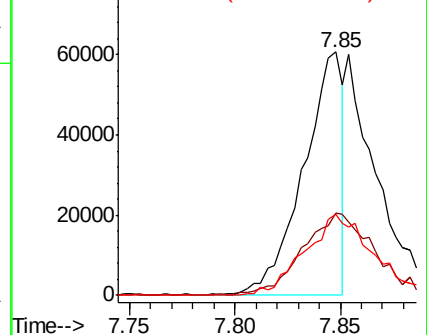
57 100

41 64.5 26.3 39.5#

56 59.8 24.6 37.0#



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



#45

t-1,3-Dichloropropene

Concen: 0.160 ppbv

RT: 9.26 min Scan# 2013

Delta R.T. -0.01 min

Lab File: VL039039.D

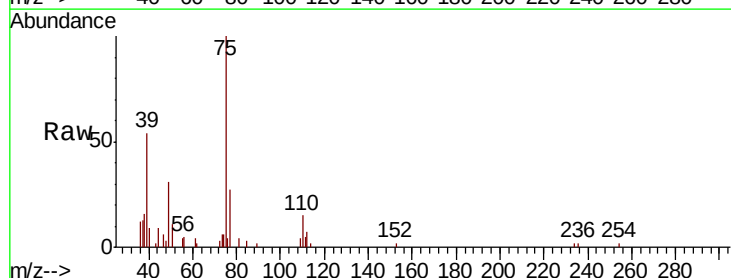
Acq: 13 May 2022 16:19

Tgt Ion: 75 Resp: 12361

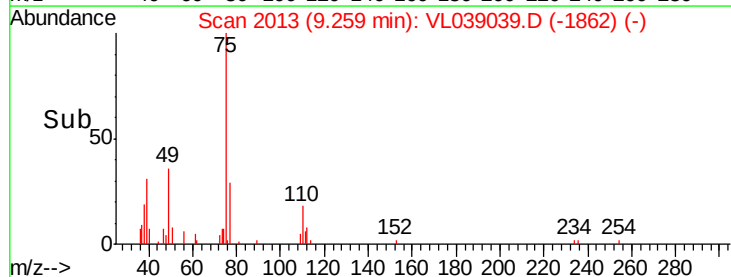
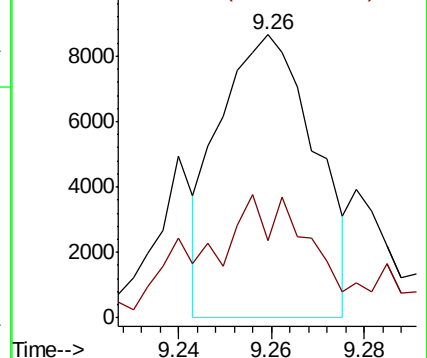
Ion Ratio Lower Upper

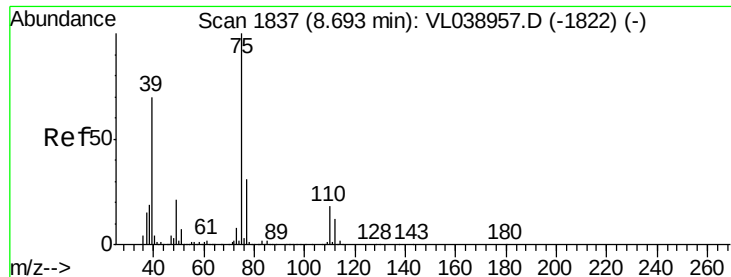
75 100

77 27.4 24.6 37.0



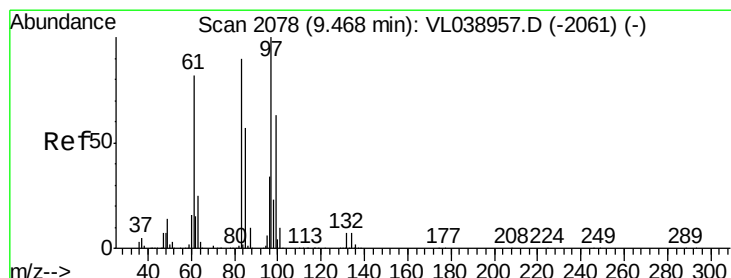
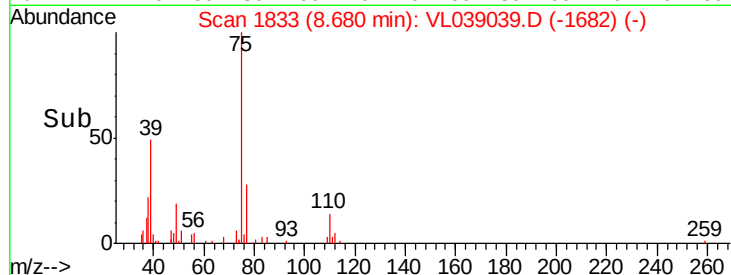
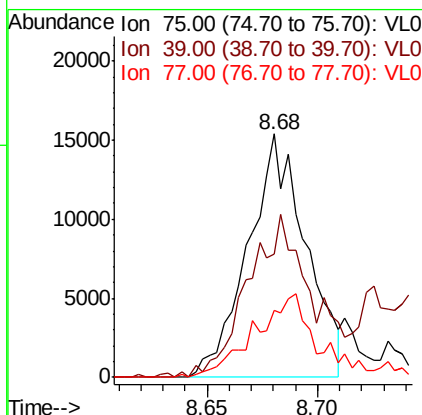
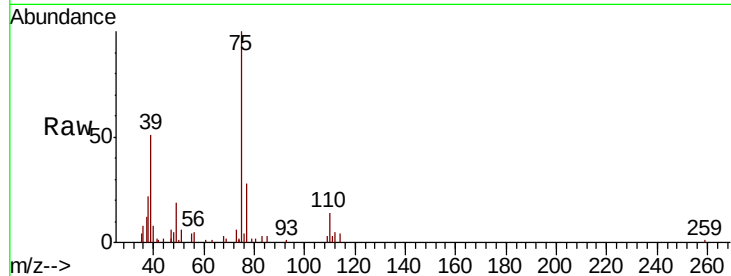
Abundance Ion 75.10 (74.80 to 75.80): VL0
Ion 77.10 (76.80 to 77.80): VL0





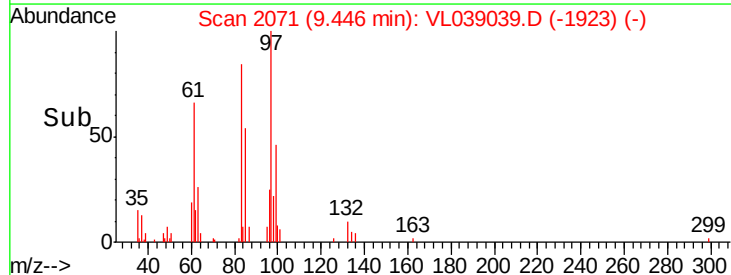
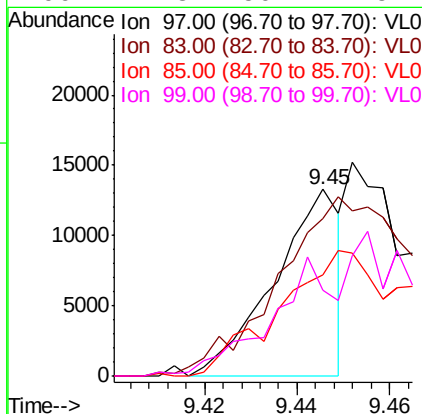
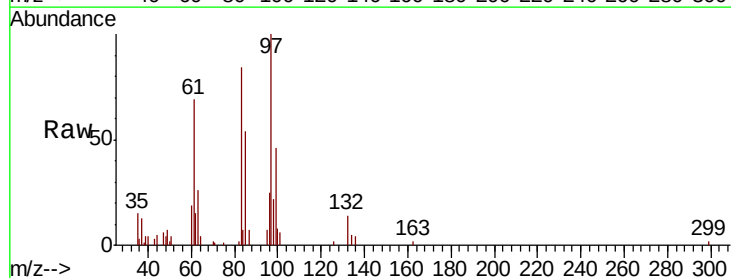
#46
 cis-1,3-Dichloropropene
 Concen: 0.272 ppbv
 RT: 8.68
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 13 May 2022 16:19

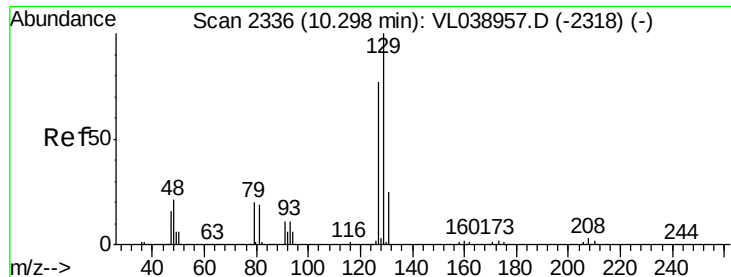
Tot Ion	Ratio	Lower	Upper
75	100		
39	50.7	55.8	83.6#
77	27.7	24.8	37.2



#47
 1,1,2-Trichloroethane
 Concen: 0.164 ppbv
 RT: 9.45 min Scan# 2071
 Delta R.T. -0.02 min
 Lab File: VL039039.D
 Acq: 13 May 2022 16:19

Tgt Ion	Ratio	Lower	Upper
97	100		
83	79.6	72.0	108.0
85	54.0	45.7	68.5
99	44.3	50.2	75.4#





#48

Dibromochloromethane

Concen: 0.145 ppbv

RT: 10.28

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

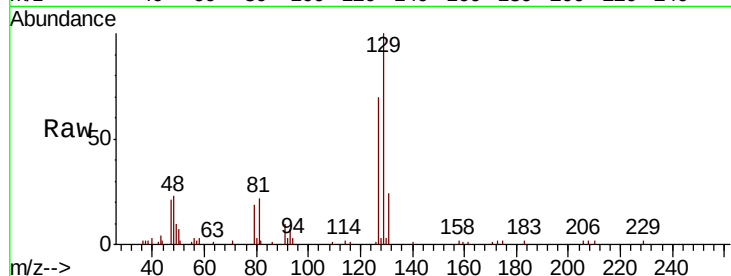
Acq: 13 May 2022 16:19

Tot Ion:129 Resp: 18776

Ion Ratio Lower Upper

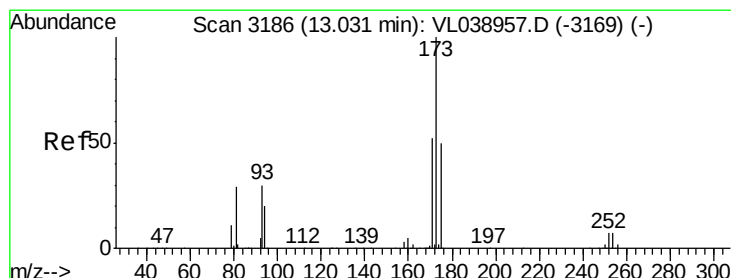
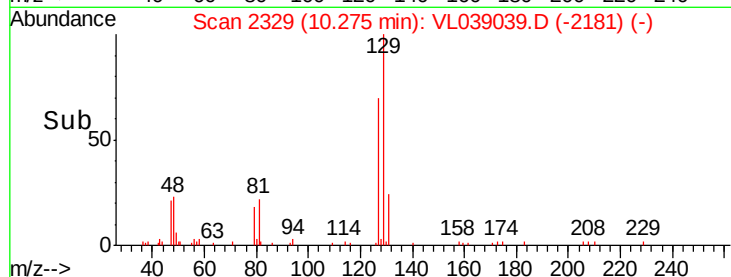
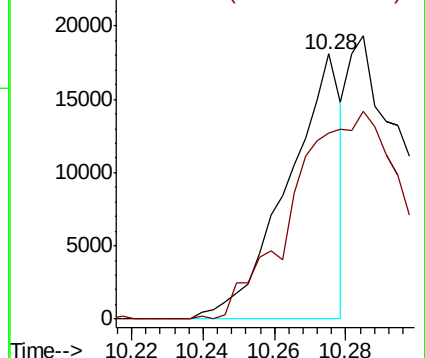
129 100

127 0.0 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: 0.113 ppbv

RT: 13.00 min Scan# 3178

Delta R.T. -0.03 min

Lab File: VL039039.D

Acq: 13 May 2022 16:19

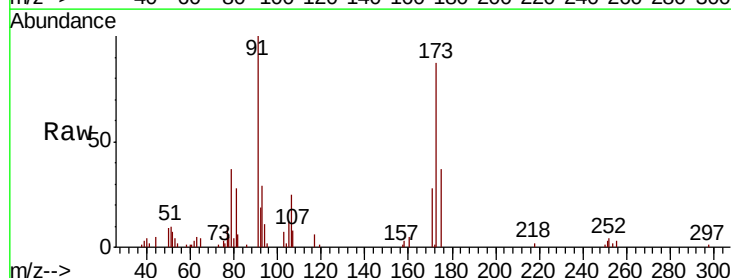
Tgt Ion:173 Resp: 11159

Ion Ratio Lower Upper

173 100

175 143.5 41.0 61.6#

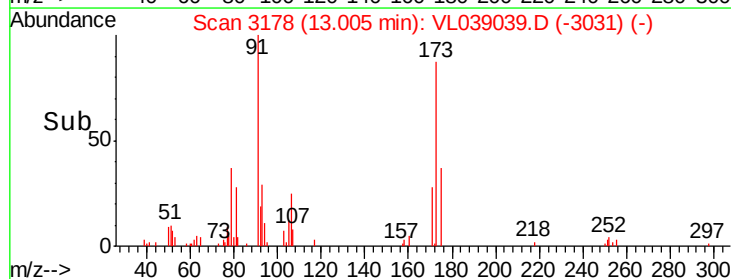
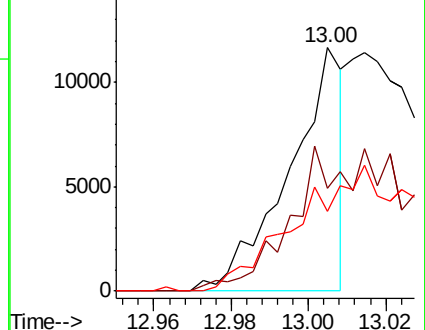
171 0.0 42.6 64.0#

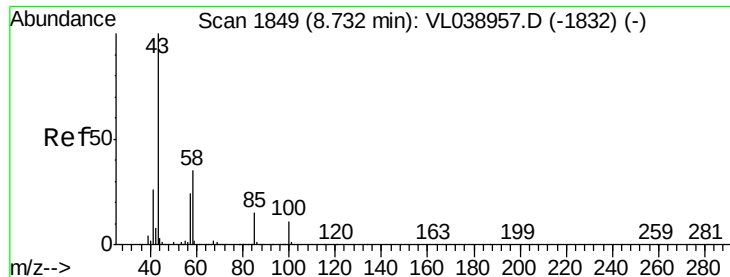


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

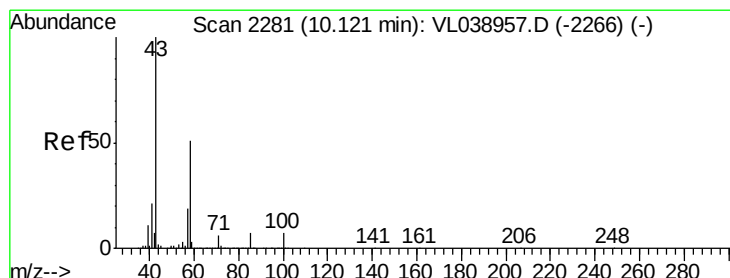
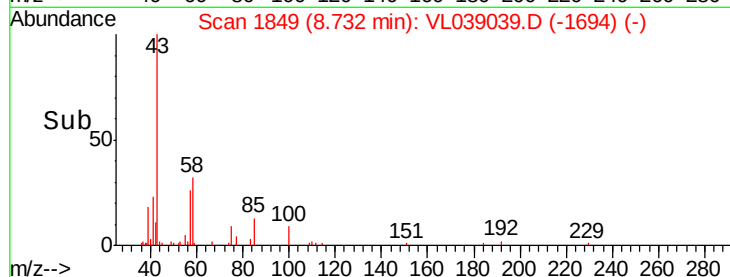
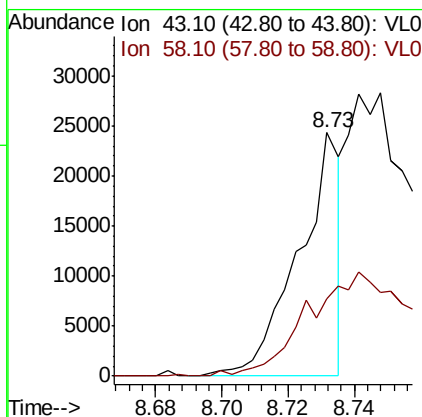
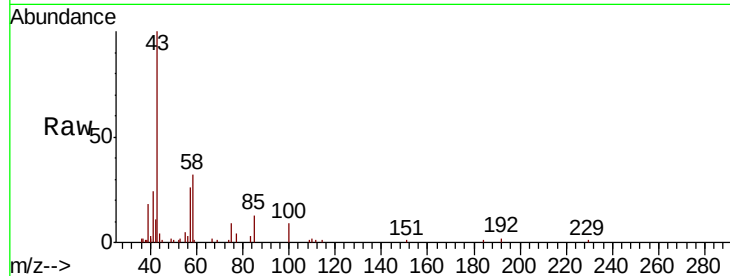
Ion 170.90 (170.60 to 171.60): V





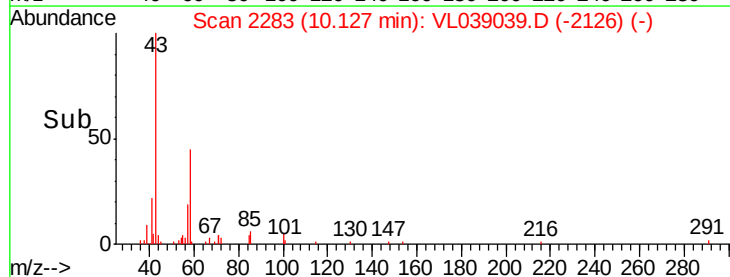
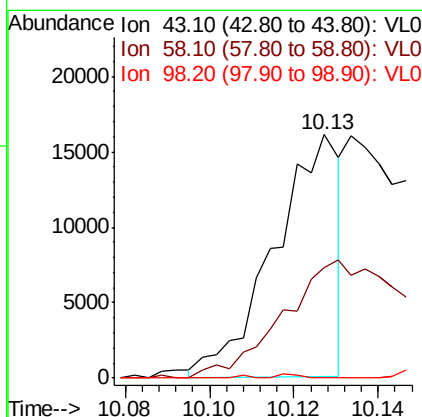
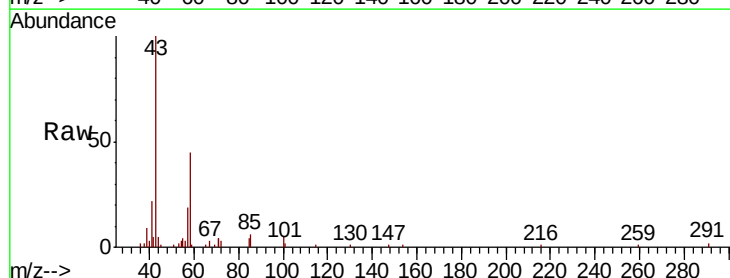
#50
 4-Methyl-2-Pentanone
 Concen: 0.103 ppbv
 RT: 8.73
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 0.4 MDL
 Acq: 13 May 2022 16:19

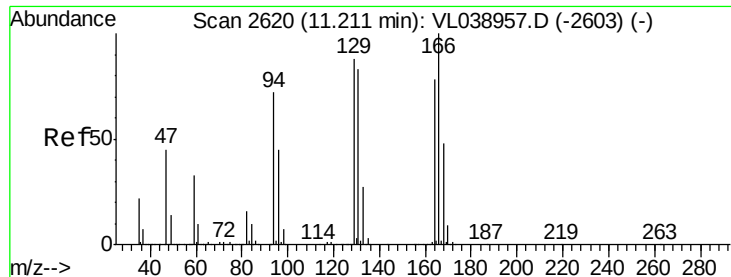
Tot Ion: 43 Resp: 21242
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.4 42.6#



#51
 2-Hexanone
 Concen: 0.116 ppbv
 RT: 10.13 min Scan# 2283
 Delta R.T. 0.01 min
 Lab File: VL039039.D
 Acq: 13 May 2022 16:19

Tgt Ion: 43 Resp: 17348
 Ion Ratio Lower Upper
 43 100
 58 0.0 39.3 58.9#
 98 0.0 0.2 0.2#





#52

Tetrachloroethene

Concen: 0.247 ppbv

RT: 11.20

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 13 May 2022 16:19

Tot Ion:164 Resp: 17345

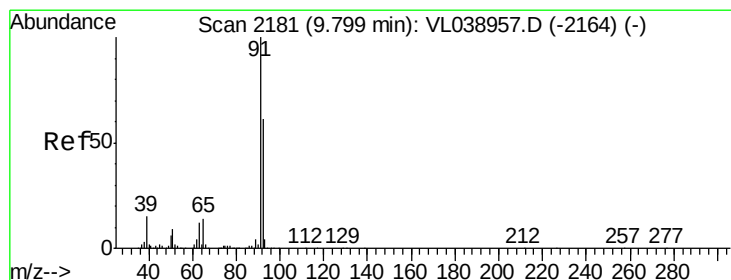
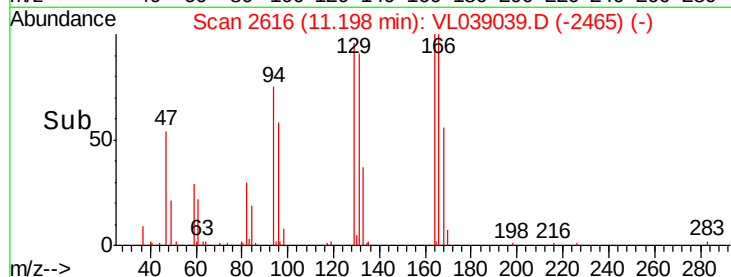
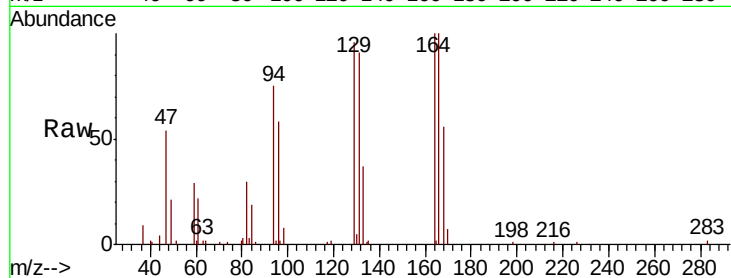
Ion Ratio Lower Upper

164 100

166 98.8 102.5 153.7#

129 94.5 90.1 135.1

131 90.9 84.8 127.2



#53

Toluene

Concen: 0.382 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.02 min

Lab File: VL039039.D

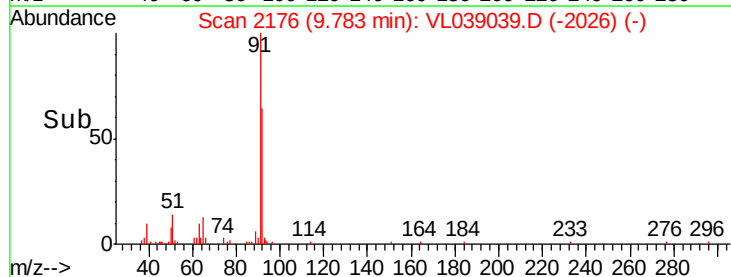
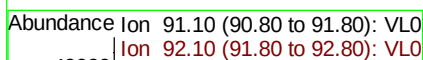
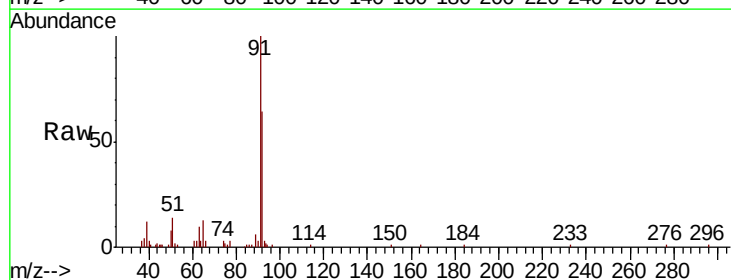
Acq: 13 May 2022 16:19

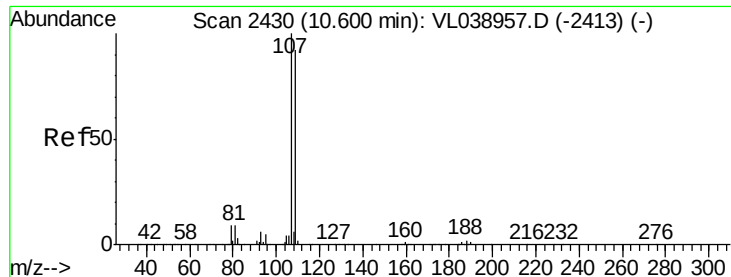
Tgt Ion: 91 Resp: 84181

Ion Ratio Lower Upper

91 100

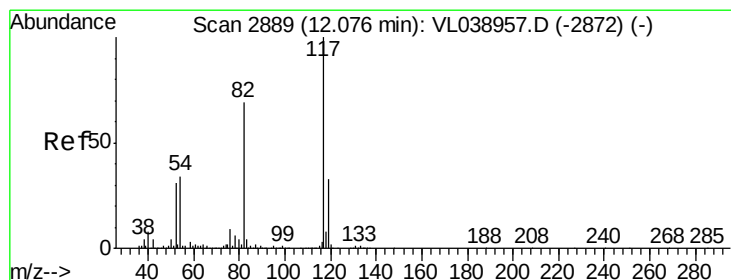
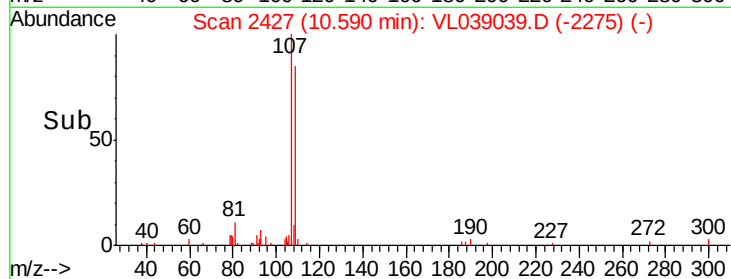
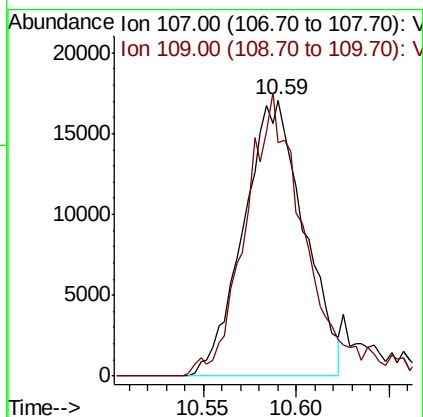
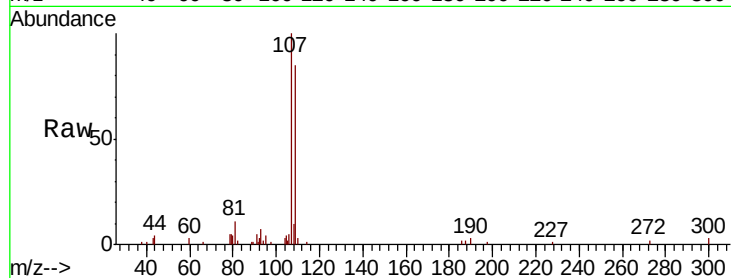
92 58.6 48.2 72.2





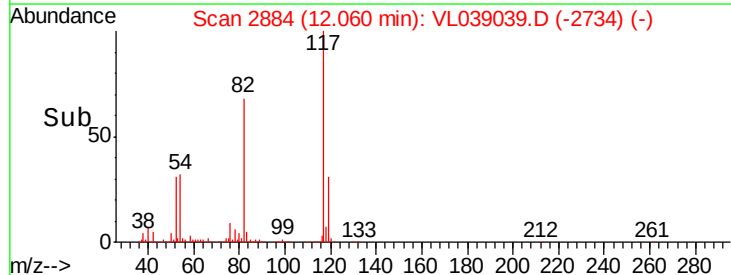
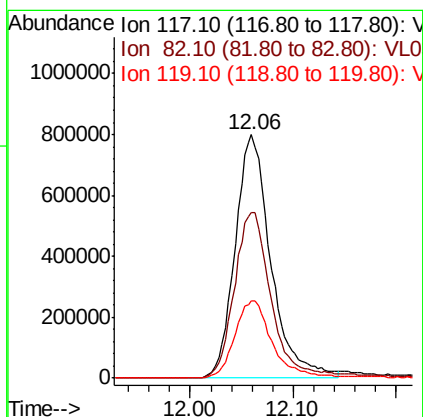
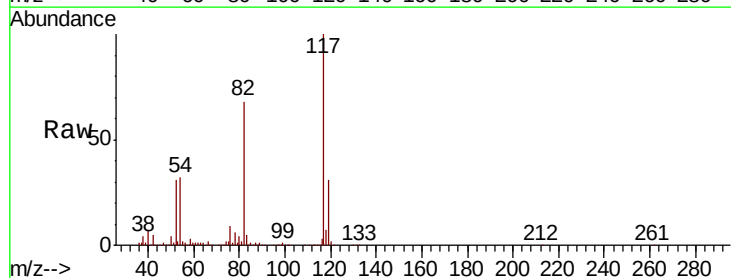
#54
 1,2-Dibromoethane
 Concen: 0.357 ppbv
 RT: 10.59
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 13 May 2022 16:19

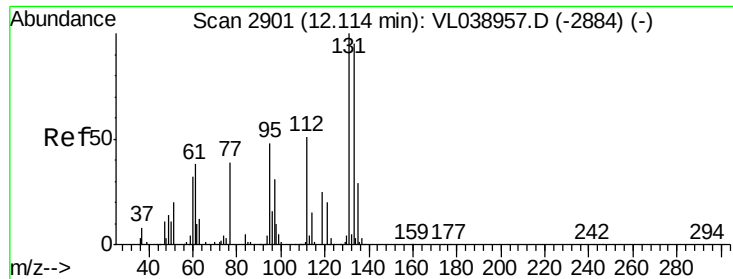
Tot Ion:107 Resp: 38660
 Ion Ratio Lower Upper
 107 100
 109 83.6 73.8 110.8



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.06 min Scan# 2884
 Delta R.T. -0.02 min
 Lab File: VL039039.D
 Acq: 13 May 2022 16:19

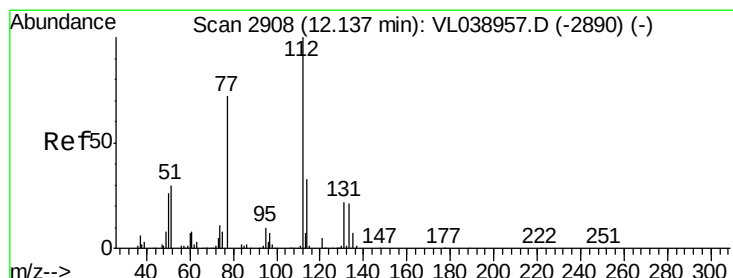
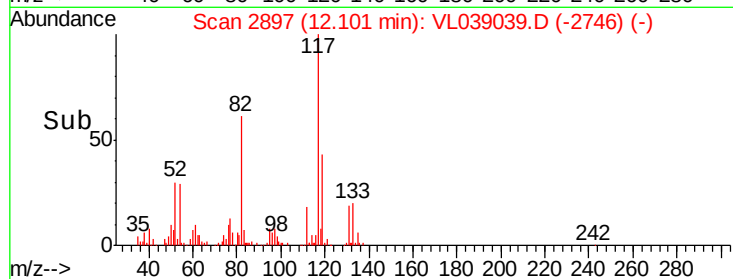
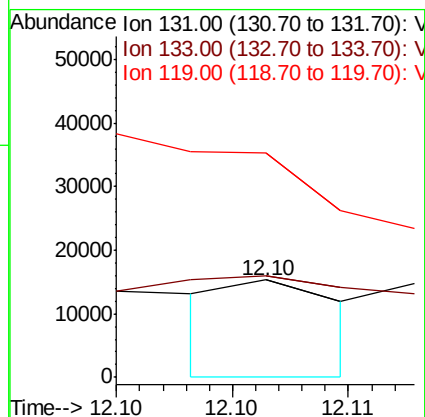
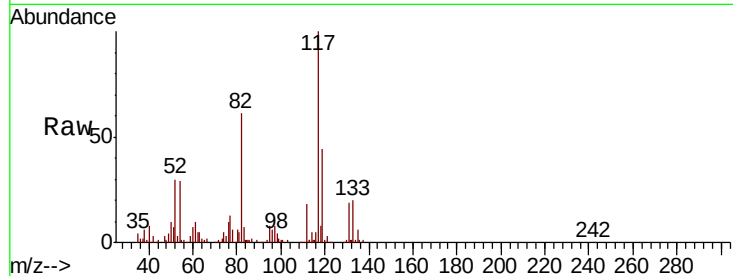
Tgt Ion:117 Resp: 1927810
 Ion Ratio Lower Upper
 117 100
 82 71.8 57.0 85.6
 119 34.3 27.2 40.8





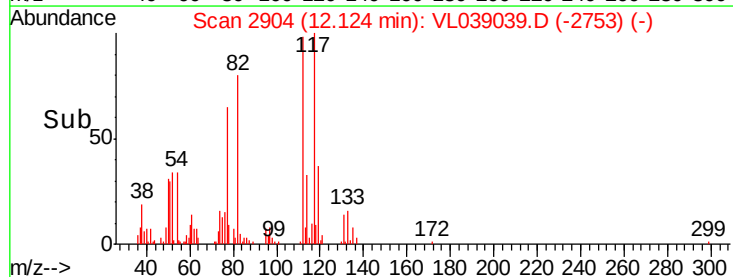
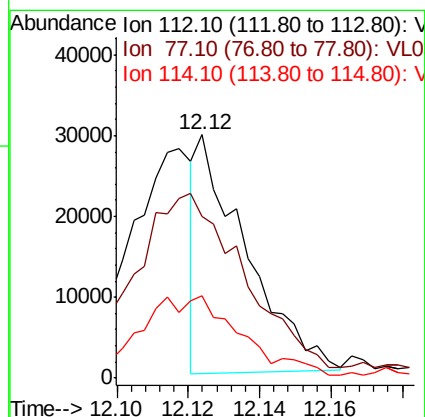
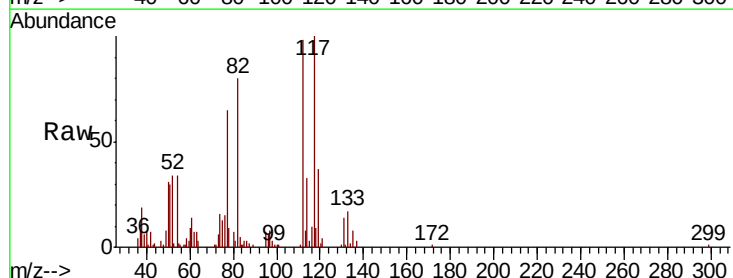
#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.062 ppbv
 RT: 12.10 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 13 May 2022 16:19

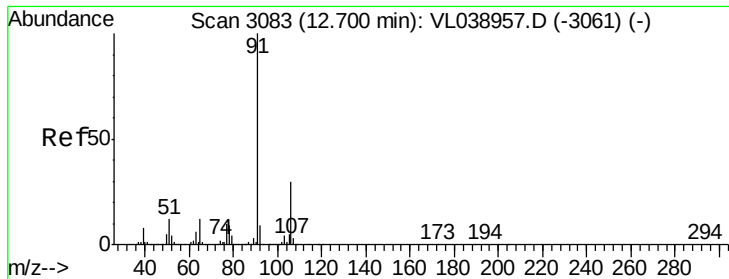
Tot Ion:131 Resp: 5272
 Ion Ratio Lower Upper
 131 100
 133 689.2 76.9 115.3#
 119 0.0 47.4 71.0#



#57
 Chlorobenzene
 Concen: 0.193 ppbv
 RT: 12.12 min Scan# 2904
 Delta R.T. -0.01 min
 Lab File: VL039039.D
 Acq: 13 May 2022 16:19

Tgt Ion:112 Resp: 27889
 Ion Ratio Lower Upper
 112 100
 77 65.3 57.7 86.5
 114 31.7 30.1 36.7





#58

Ethyl Benzene

Concen: 0.415 ppbv

RT: 12.69

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

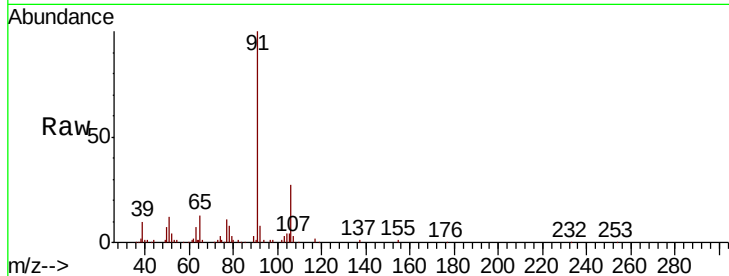
Acq: 13 May 2022 16:19

Tot Ion: 91 Resp: 115069

Ion Ratio Lower Upper

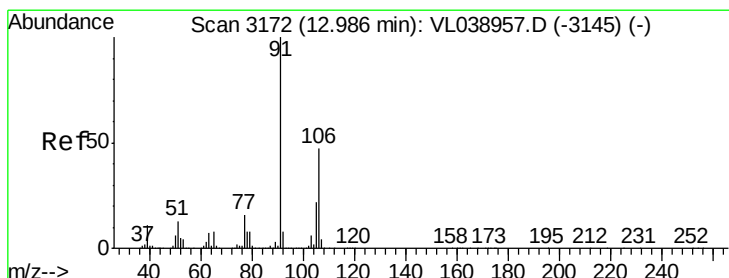
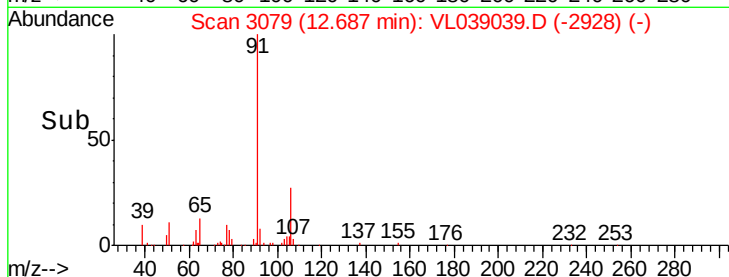
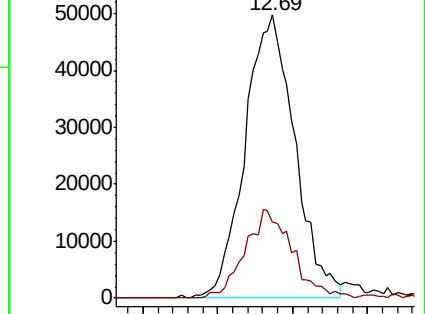
91 100

106 26.8 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: 0.462 ppbv

RT: 12.97 min Scan# 3166

Delta R.T. -0.02 min

Lab File: VL039039.D

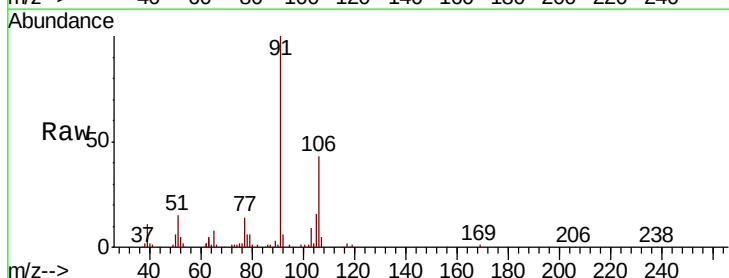
Acq: 13 May 2022 16:19

Tgt Ion: 91 Resp: 109501

Ion Ratio Lower Upper

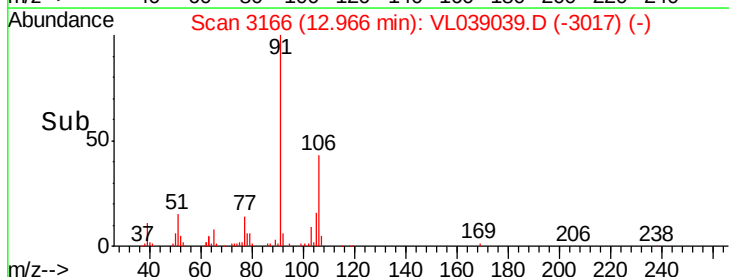
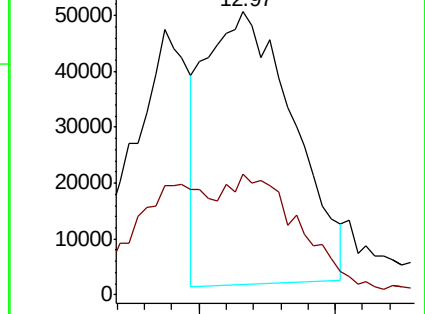
91 100

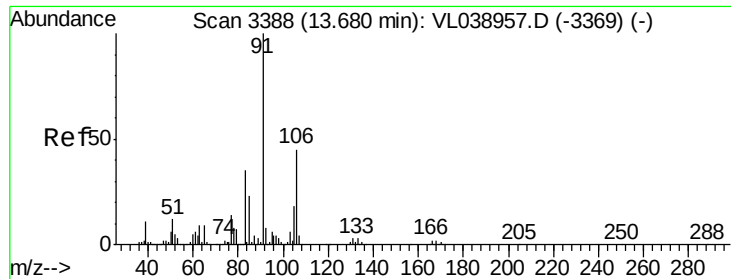
106 76.6 34.6 52.0#



Abundance Ion 91.10 (90.80 to 91.80): VL0

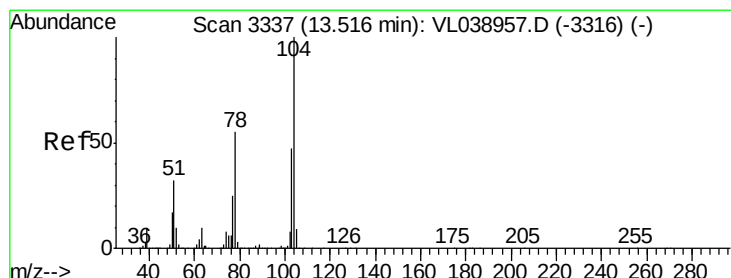
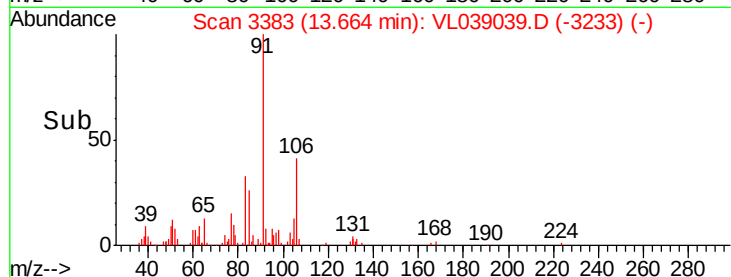
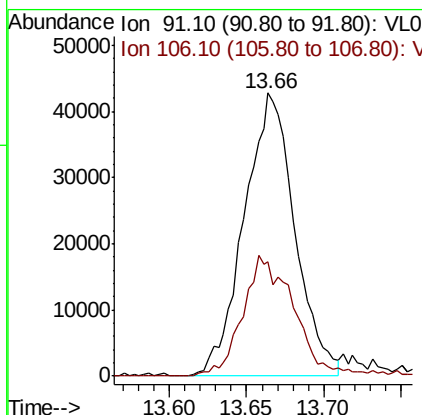
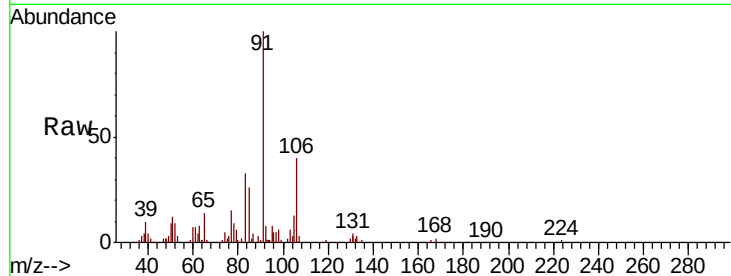
Ion 106.10 (105.80 to 106.80): V





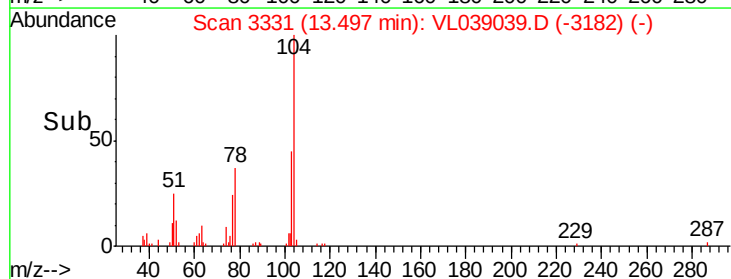
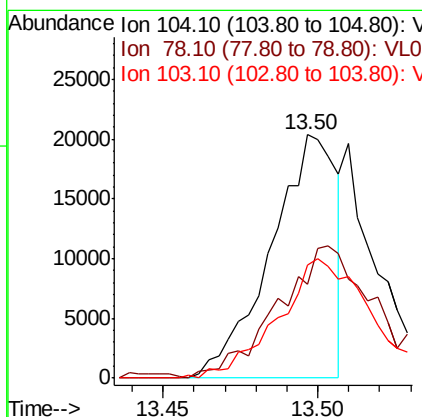
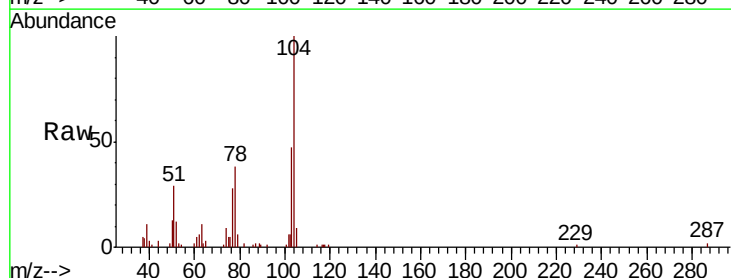
#60
o-Xylene
Concen: 0.437 ppbv
RT: 13.66
Delta R.T. MSVOA_L
Lab File: ClientSampled :
Acq: 13 May 2022 16:19

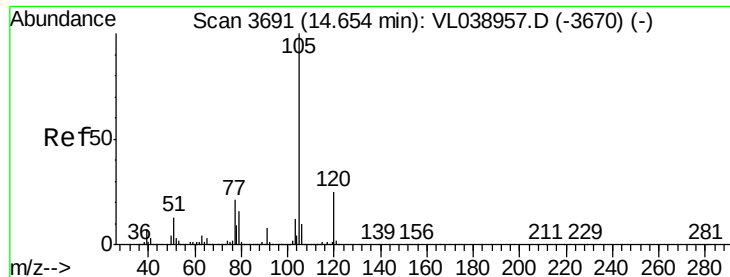
Tot Ion: 91 Resp: 97438
Ion Ratio Lower Upper
91 100
106 43.9 22.2 66.6



#61
Styrene
Concen: 0.252 ppbv
RT: 13.50 min Scan# 3331
Delta R.T. -0.02 min
Lab File: VL039039.D
Acq: 13 May 2022 16:19

Tgt Ion: 104 Resp: 29944
Ion Ratio Lower Upper
104 100
78 89.2 46.4 69.6#
103 75.2 39.3 58.9#





#62

Isopropylbenzene

Concen: 0.446 ppbv

RT: 14.64

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

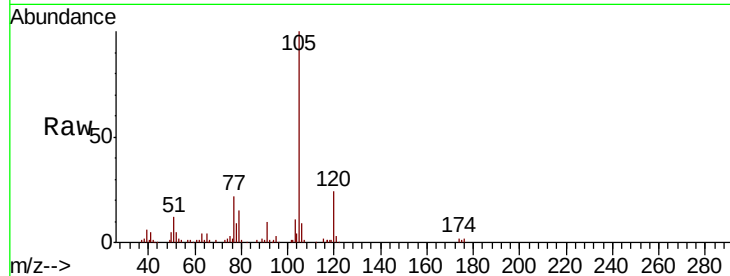
Acq: 13 May 2022 16:19

Tot Ion: 105 Resp: 145289

Ion Ratio Lower Upper

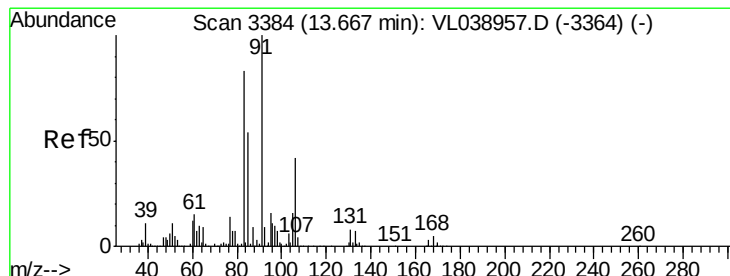
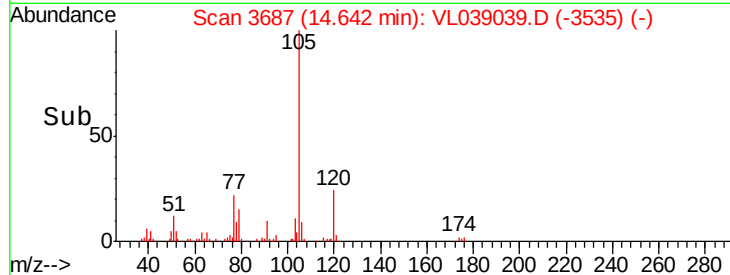
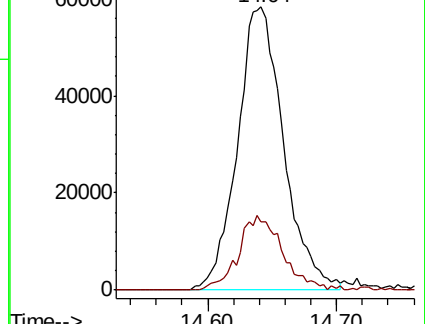
105 100

120 25.2 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: 0.252 ppbv

RT: 13.65 min Scan# 3378

Delta R.T. -0.02 min

Lab File: VL039039.D

Acq: 13 May 2022 16:19

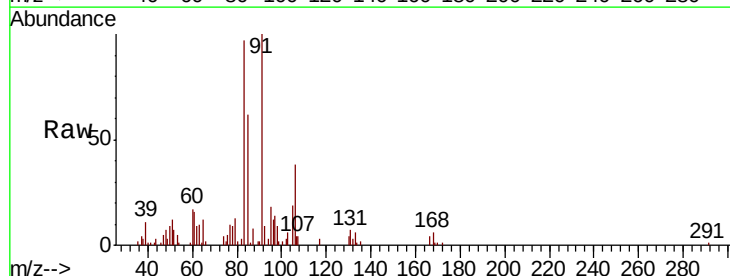
Tgt Ion: 83 Resp: 33132

Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.7#

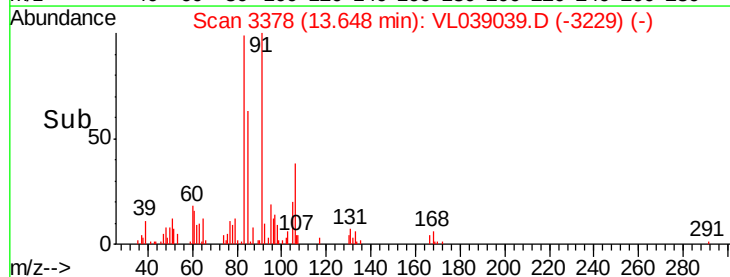
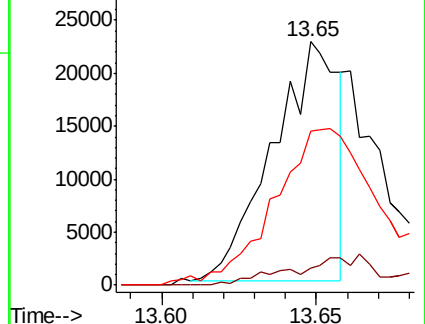
85 112.1 32.8 98.3#

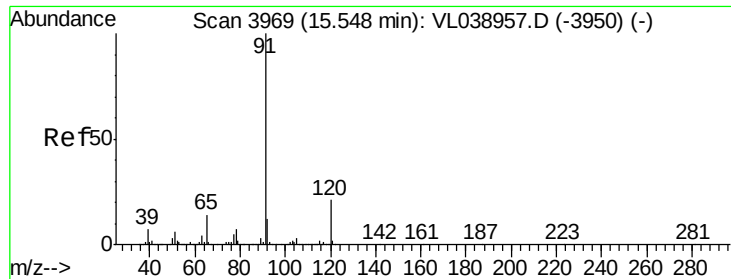


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0





#64

n-propylbenzene

Concen: 0.226 ppbv

RT: 15.54 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

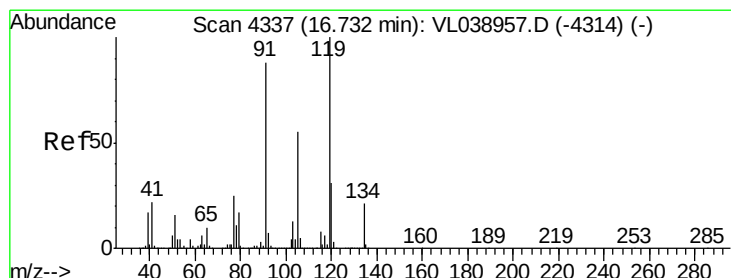
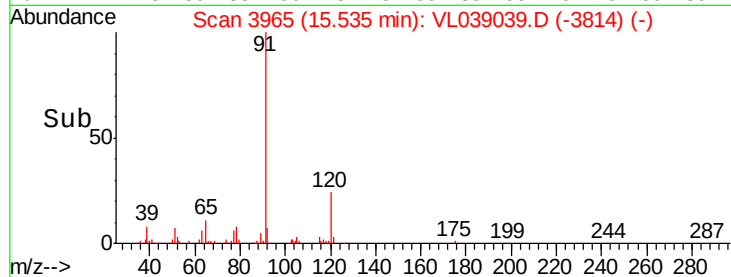
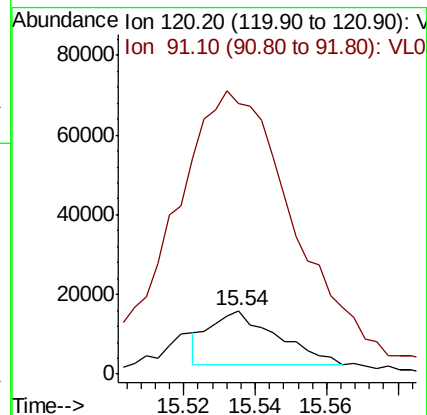
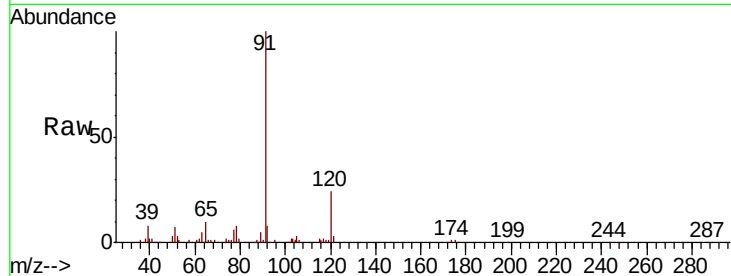
Acq: 13 May 2022 16:19

Tot Ion:120 Resp: 17821

Ion Ratio Lower Upper

120 100

91 1007.1 400.6 601.0#



#65

tert-Butylbenzene

Concen: 0.160 ppbv

RT: 16.71 min Scan# 4330

Delta R.T. -0.02 min

Lab File: VL039039.D

Acq: 13 May 2022 16:19

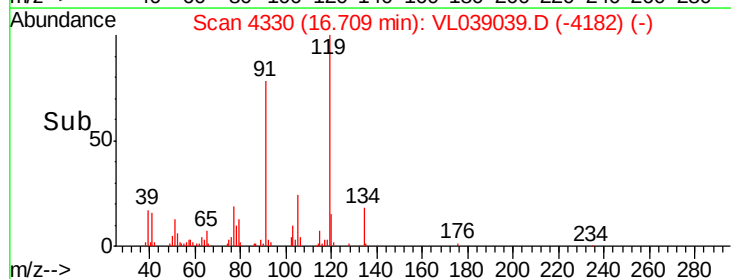
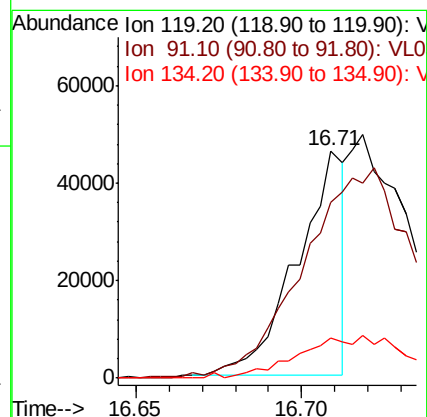
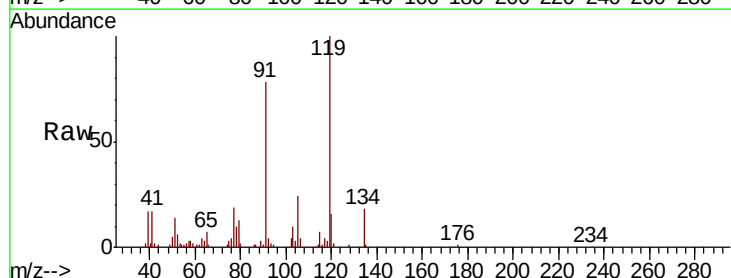
Tgt Ion:119 Resp: 45822

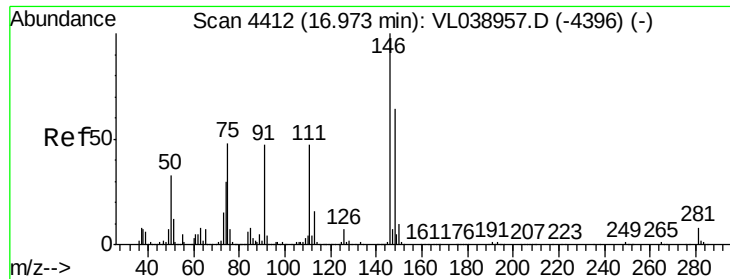
Ion Ratio Lower Upper

119 100

91 0.0 69.4 104.2#

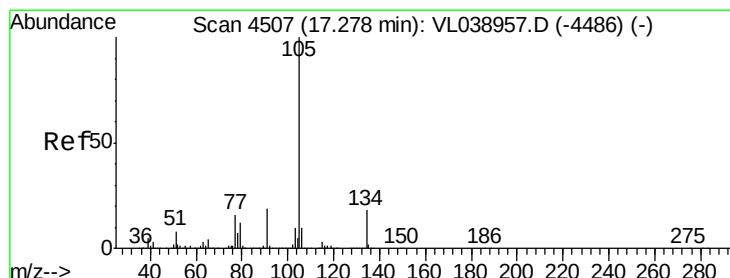
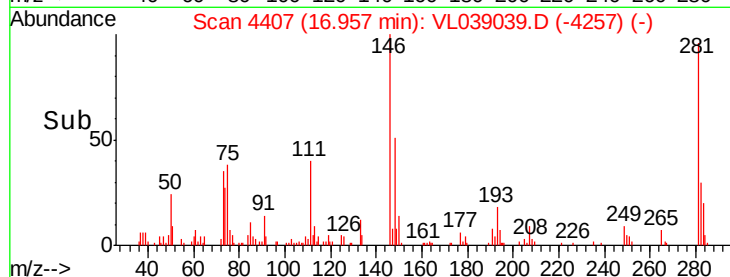
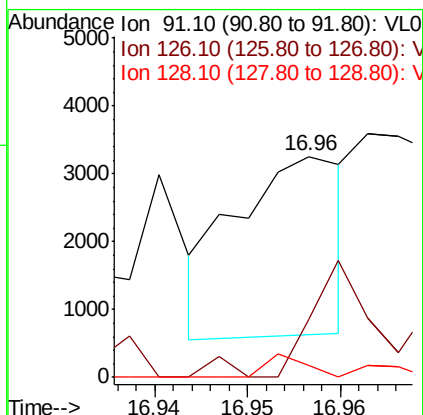
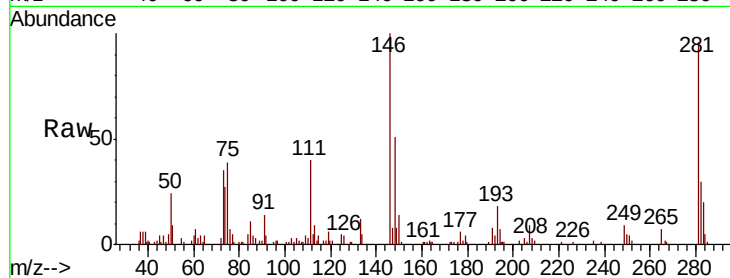
134 0.0 15.8 23.8#





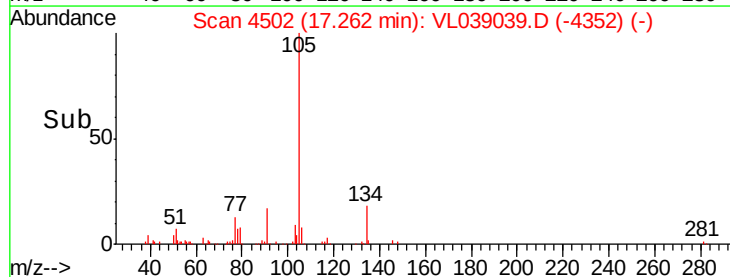
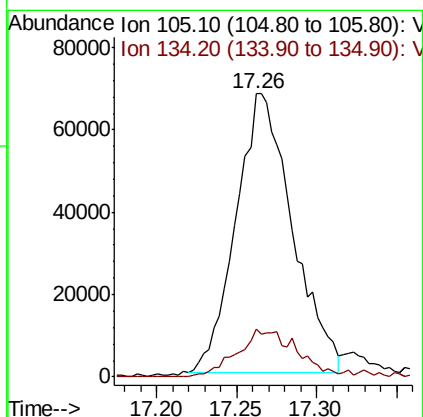
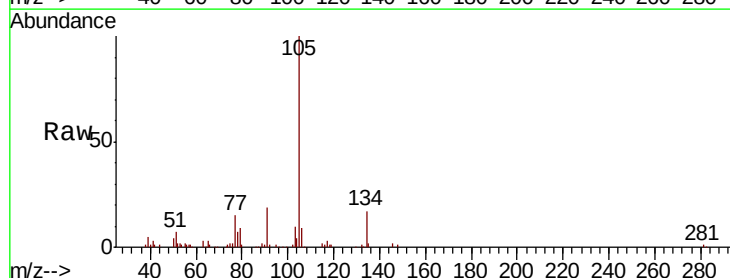
#66
Benzyl Chloride
Concen: 0.058 ppbv
RT: 16.96 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 13 May 2022 16:19

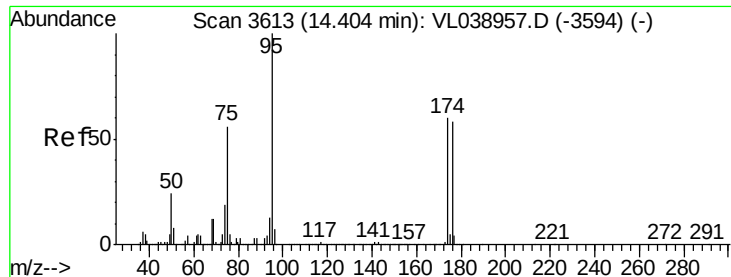
Tot Ion: 91 Resp: 2150
Ion Ratio Lower Upper
91 100
126 0.0 11.8 17.6#
128 12.8 4.2 6.2#



#67
sec-Butylbenzene
Concen: 0.403 ppbv
RT: 17.26 min Scan# 4502
Delta R.T.: -0.02 min
Lab File: VL039039.D
Acq: 13 May 2022 16:19

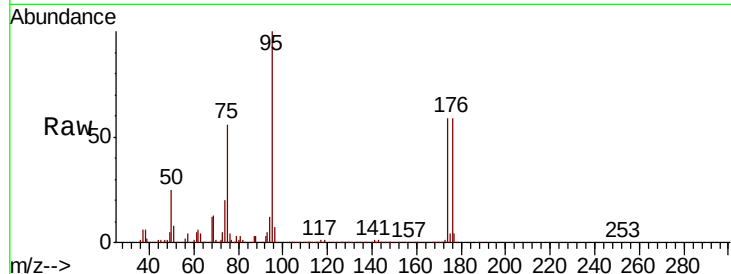
Tgt Ion: 105 Resp: 164418
Ion Ratio Lower Upper
105 100
134 19.0 14.2 21.4



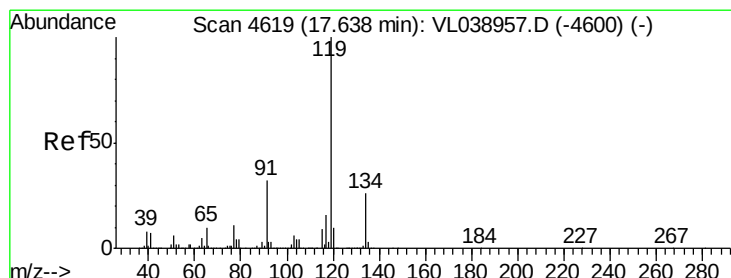
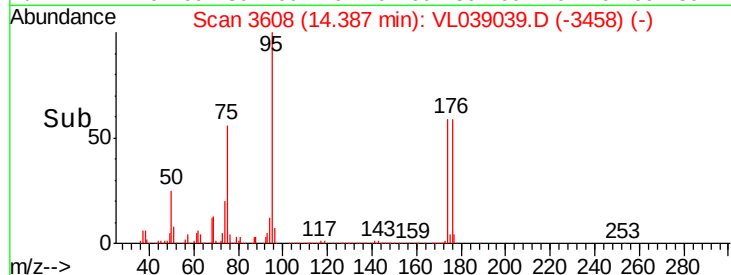
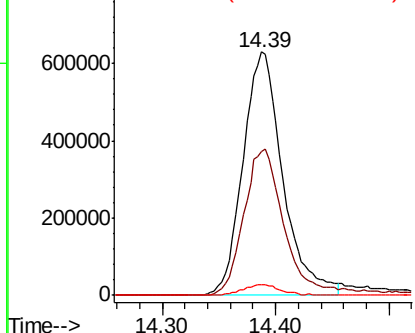


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.100 ppbv
 RT: 14.39 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampled :
 0.4 MDL
 Acq: 13 May 2022 16:19

Tot Ion: 95 Resp: 1541943
 Ion Ratio Lower Upper
 95 100
 174 64.1 50.8 76.2
 175 4.5 3.8 5.6

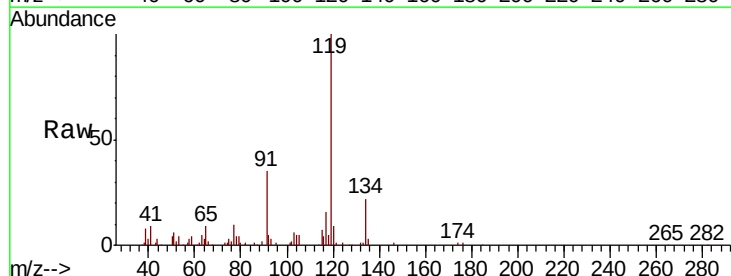


Abundance Ion 95.10 (94.80 to 95.80): VL0
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V

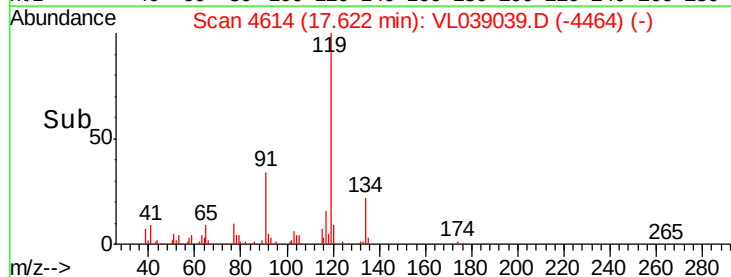
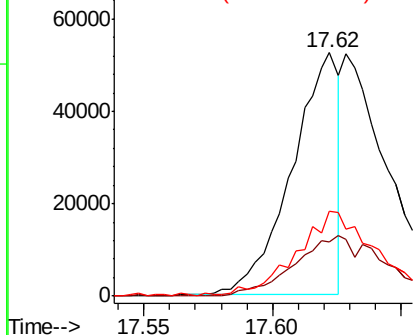


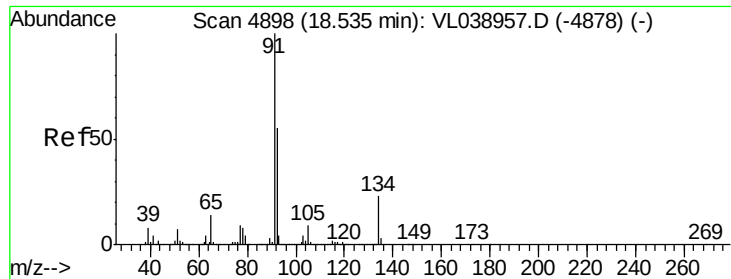
#69
 p-Isopropyltoluene
 Concen: 0.202 ppbv
 RT: 17.62 min Scan# 4614
 Delta R.T. -0.02 min
 Lab File: VL039039.D
 Acq: 13 May 2022 16:19

Tgt Ion: 119 Resp: 66570
 Ion Ratio Lower Upper
 119 100
 134 0.0 20.0 30.0#
 91 67.8 24.8 37.2#



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): VL0





#70

n-Butylbenzene

Concen: 0.377 ppbv

RT: 18.52

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 13 May 2022 16:19

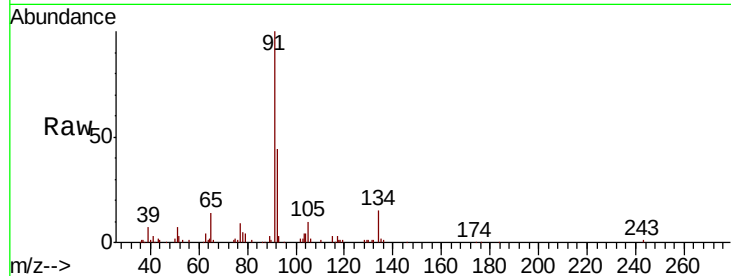
Tot Ion: 91 Resp: 132053

Ion Ratio Lower Upper

91 100

92 53.6 43.1 64.7

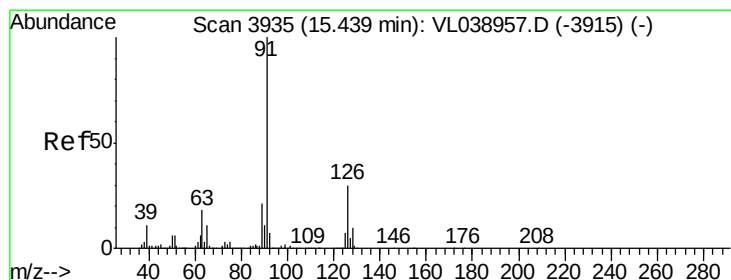
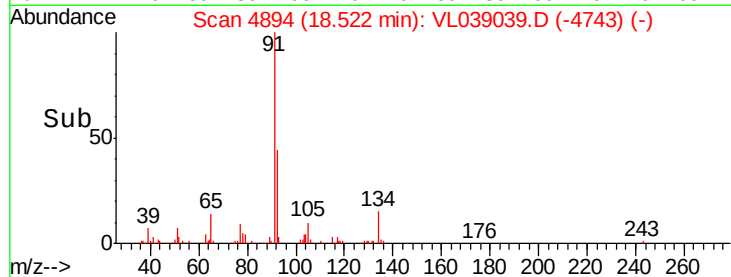
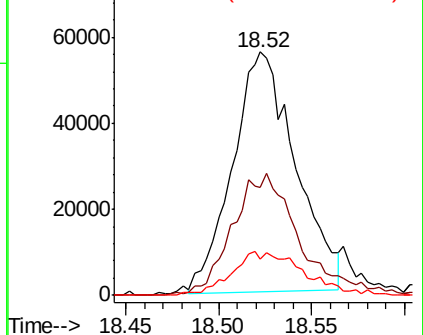
134 21.1 17.0 25.4



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: 0.409 ppbv

RT: 15.43 min Scan# 3931

Delta R.T. -0.01 min

Lab File: VL039039.D

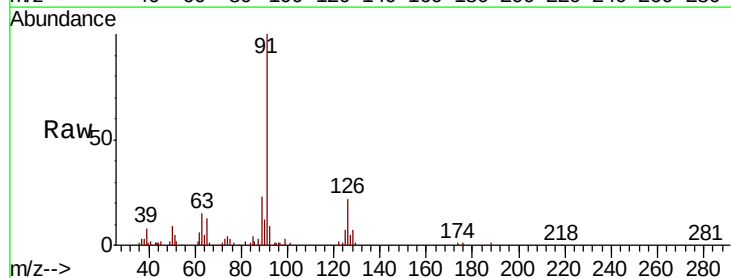
Acq: 13 May 2022 16:19

Tgt Ion: 91 Resp: 102824

Ion Ratio Lower Upper

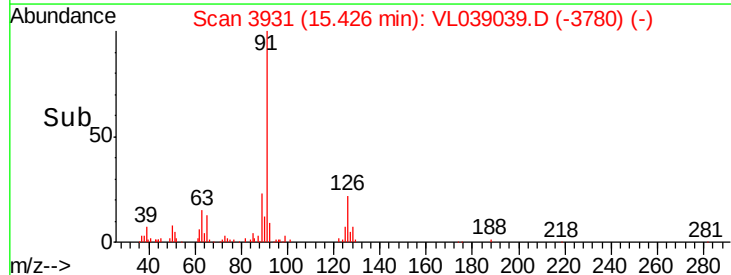
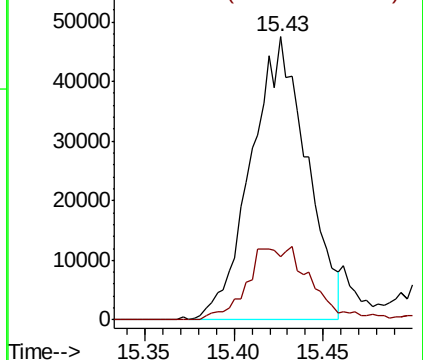
91 100

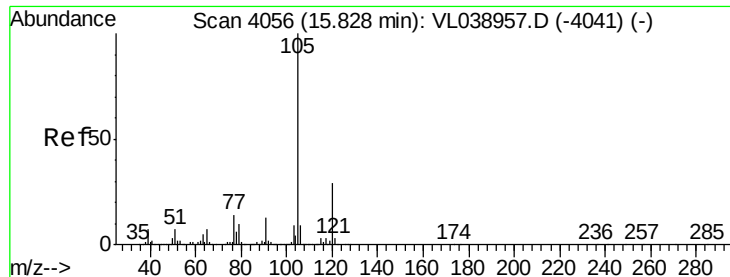
126 29.7 11.9 47.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V





#72

4-Ethyltoluene

Concen: 0.231 ppbv

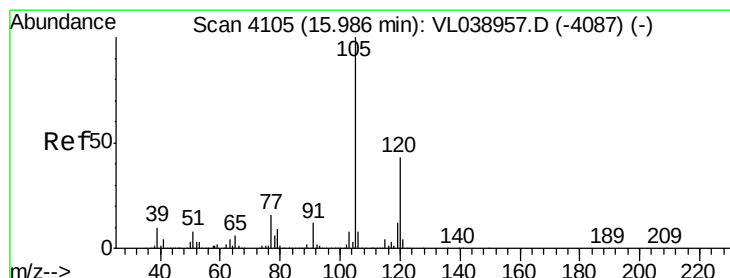
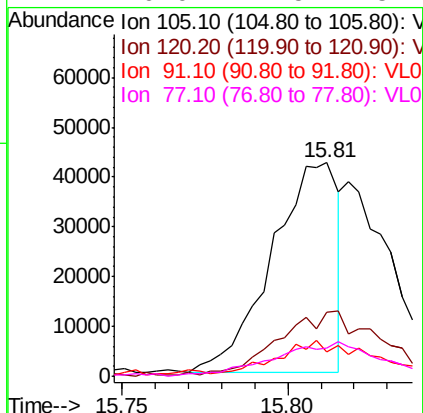
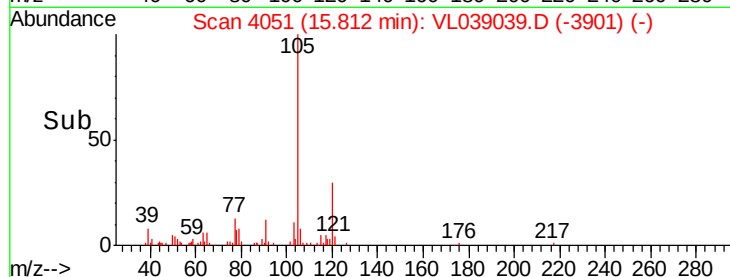
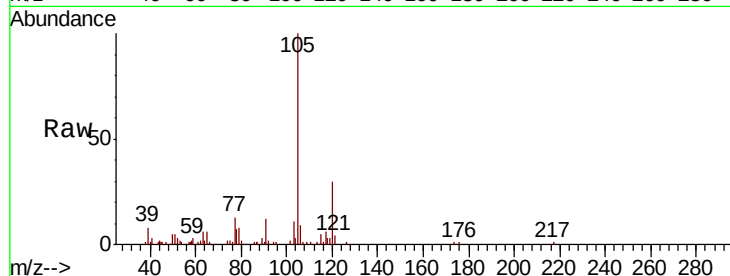
RT: 15.81

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 13 May 2022 16:19

Tot Ion:	105	Resp:	58605
Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.4	35.0#
91	24.9	10.6	16.0#
77	0.0	12.5	18.7#



#73

1,3,5-Trimethylbenzene

Concen: 0.403 ppbv

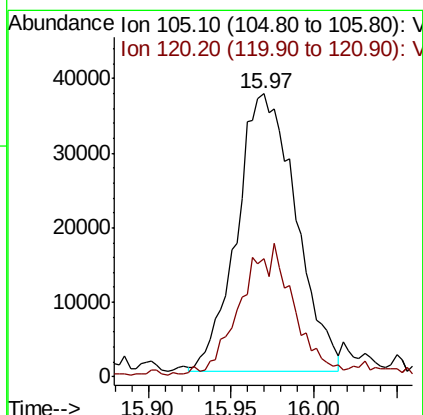
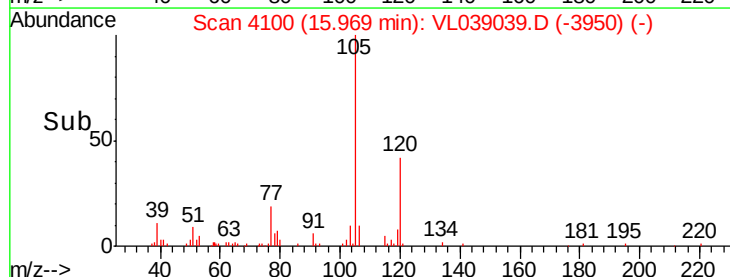
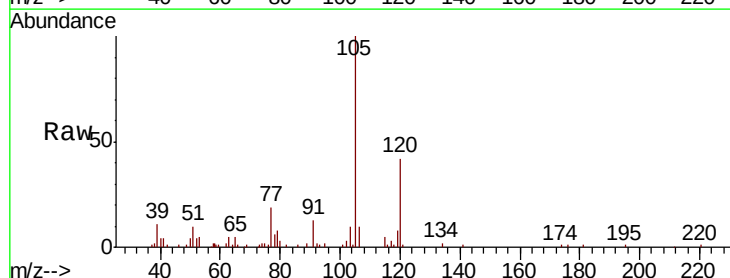
RT: 15.97 min Scan# 4100

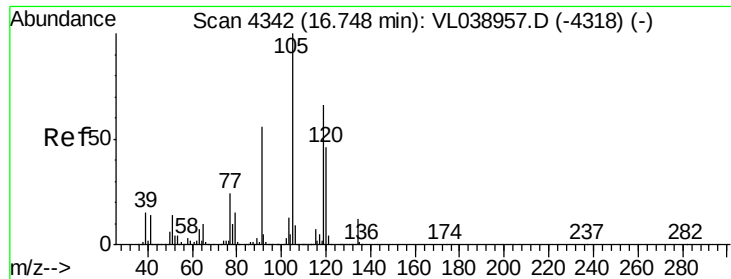
Delta R.T. -0.02 min

Lab File: VL039039.D

Acq: 13 May 2022 16:19

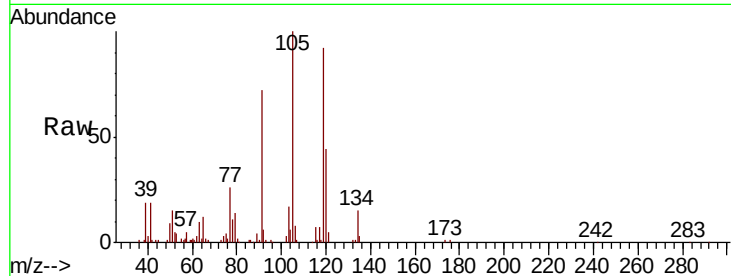
Tgt Ion:	105	Resp:	92080
Ion	Ratio	Lower	Upper
105	100		
120	41.6	34.4	51.6



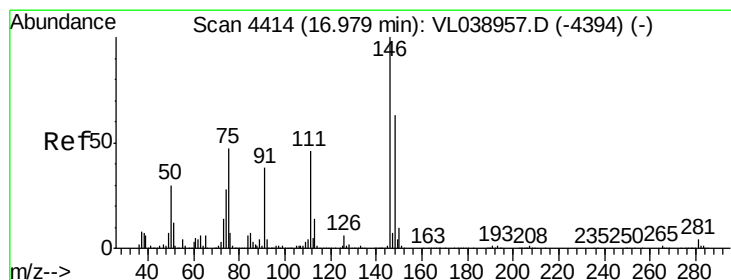
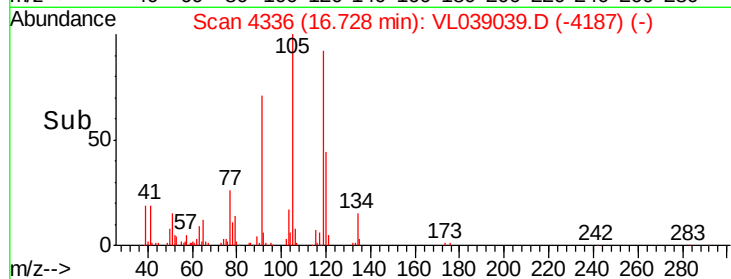
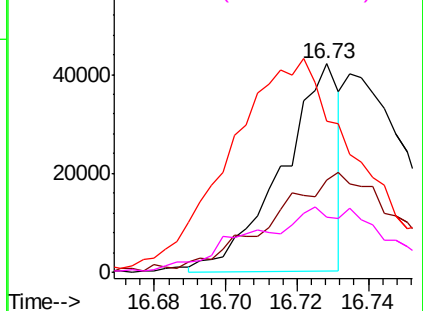


#74
 1,2,4-Trimethylbenzene
 Concen: 0.187 ppbv
 RT: 16.73 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 13 May 2022 16:19

Tot Ion:	105	Resp:	46815
Ion	Ratio	Lower	Upper
105	100		
120	39.9	36.9	55.3
91	49.1	45.0	67.4
77	21.5	19.2	28.8

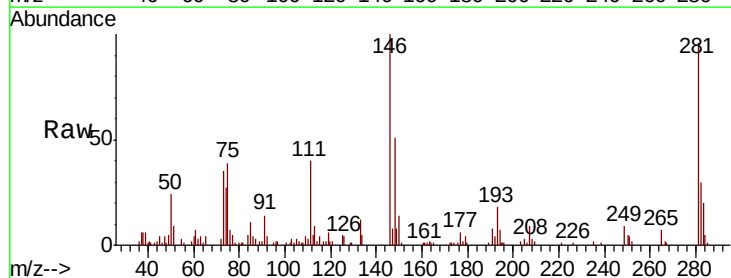


Abundance Ion 105.10 (104.80 to 105.80): V
 Ion 120.20 (119.90 to 120.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 77.10 (76.80 to 77.80): VL0

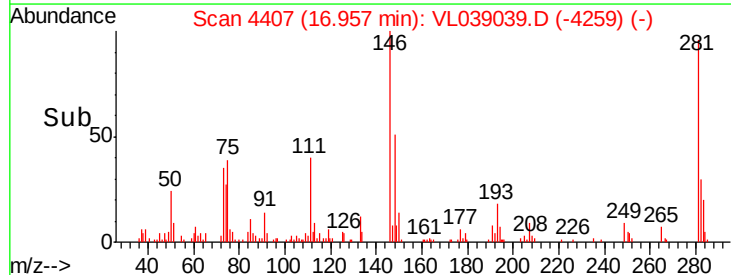
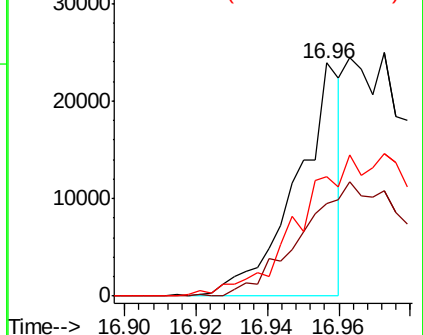


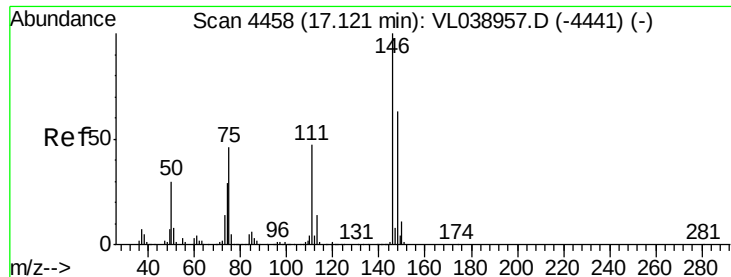
#75
 1,3-Dichlorobenzene
 Concen: 0.150 ppbv
 RT: 16.96 min Scan# 4407
 Delta R.T. -0.02 min
 Lab File: VL039039.D
 Acq: 13 May 2022 16:19

Tgt Ion:	146	Resp:	20643
Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.1	72.2#
148	0.0	32.4	97.2#



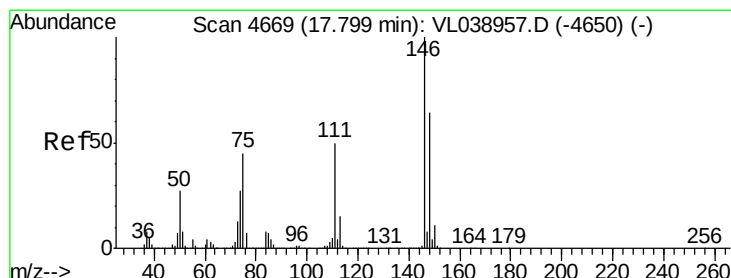
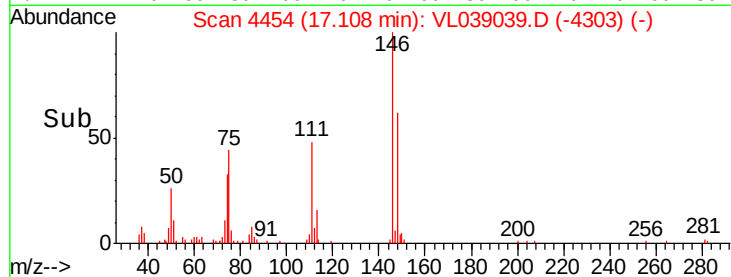
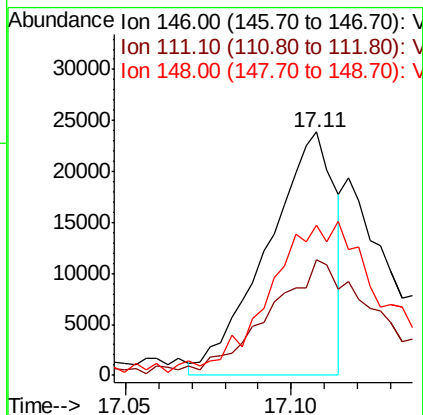
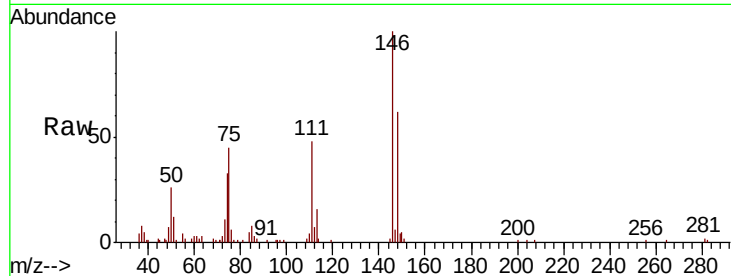
Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V





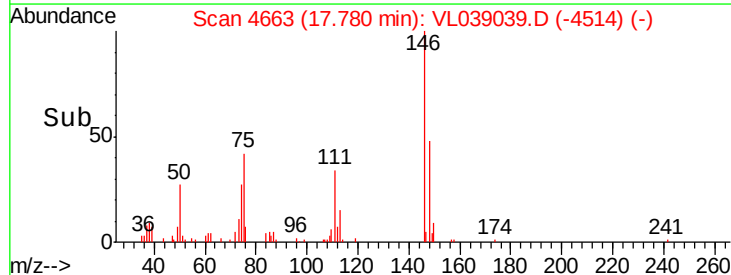
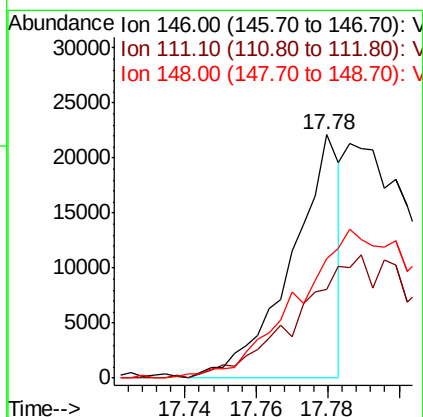
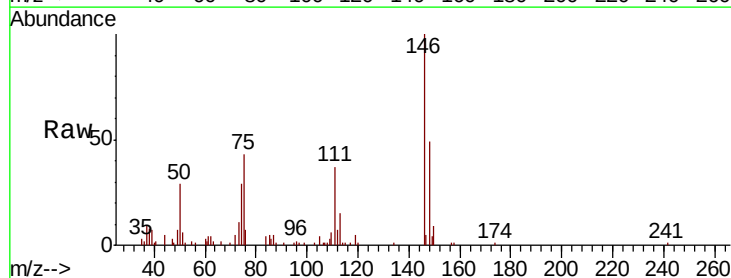
#76
 1,4-Dichlorobenzene
 Concen: 0.252 ppbv
 RT: 17.11 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 0.4 MDL
 Acq: 13 May 2022 16:19

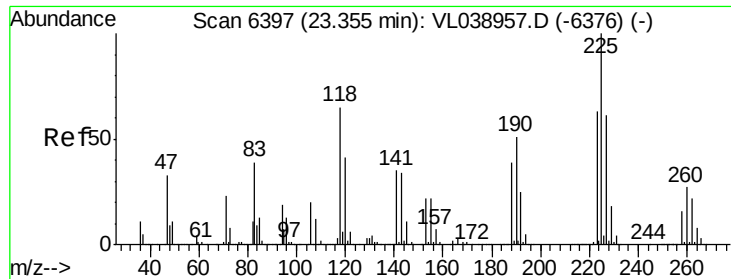
Tot Ion:146 Resp: 33998
 Ion Ratio Lower Upper
 146 100
 111 85.4 23.6 71.0#
 148 0.0 32.2 96.6#



#77
 1,2-Dichlorobenzene
 Concen: 0.155 ppbv
 RT: 17.78 min Scan# 4663
 Delta R.T. -0.02 min
 Lab File: VL039039.D
 Acq: 13 May 2022 16:19

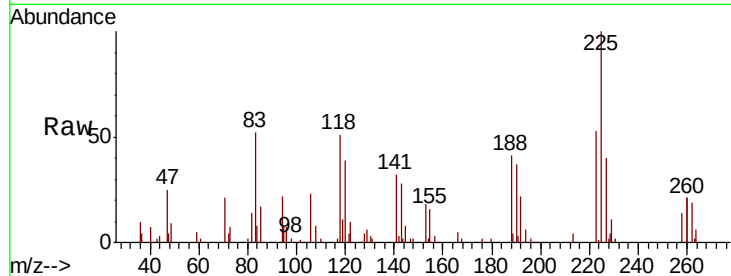
Tgt Ion:146 Resp: 20983
 Ion Ratio Lower Upper
 146 100
 111 0.0 25.3 75.9#
 148 0.0 32.3 96.9#



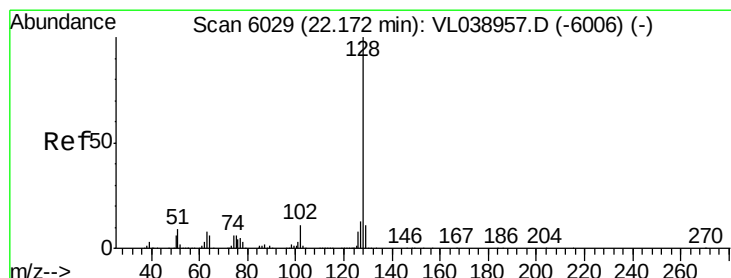
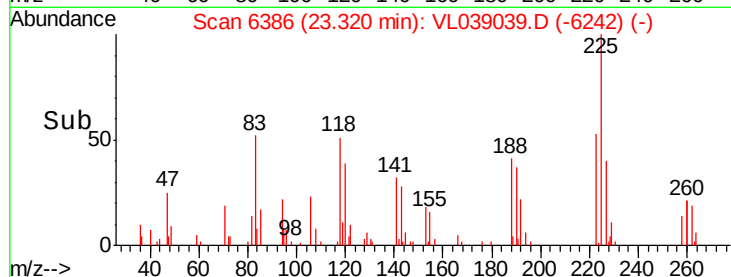
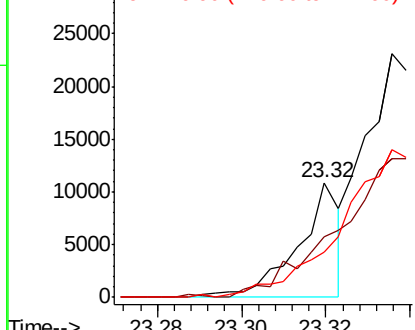


#78
Hexachloro-1,3-Butadiene
Concen: 0.060 ppbv
RT: 23.32 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 13 May 2022 16:19

Tot Ion:225 Resp: 7453
Ion Ratio Lower Upper
225 100
223 0.0 51.4 77.0#
227 0.0 51.4 77.0#

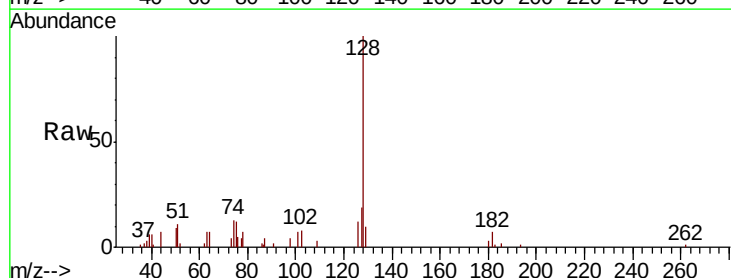


Abundance Ion 224.90 (224.60 to 225.60): V
Ion 222.90 (222.60 to 223.60): V
Ion 226.90 (226.60 to 227.60): V

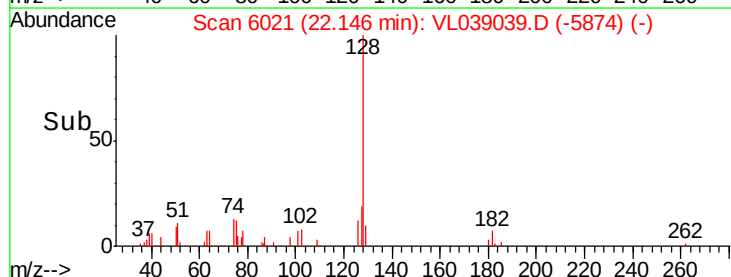
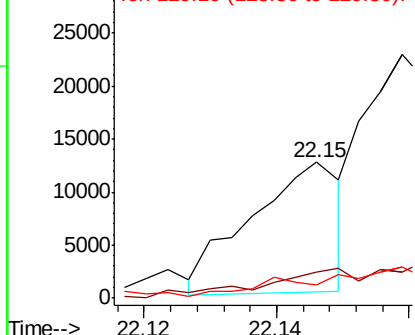


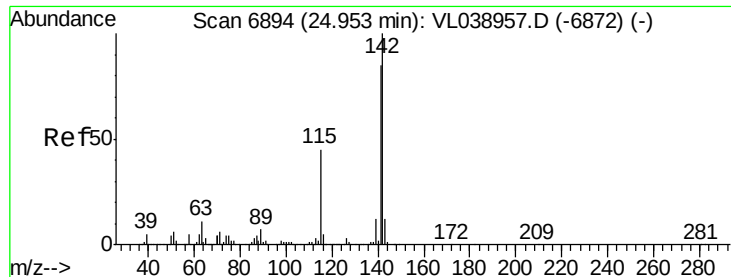
#79
Naphthalene
Concen: 0.057 ppbv
RT: 22.15 min Scan# 6021
Delta R.T. -0.03 min
Lab File: VL039039.D
Acq: 13 May 2022 16:19

Tgt Ion:128 Resp: 11630
Ion Ratio Lower Upper
128 100
127 16.8 10.2 15.2#
129 10.0 8.9 13.3



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





#80

Naphthalene, 2-methyl-

Concen: 0.110 ppbv

RT: 24.95

Delta R.T.

Lab File:

Acq: 13 May 2022

Instrument:

MSVOA_1

ClientSampleId:

0.4 MDL

16:19

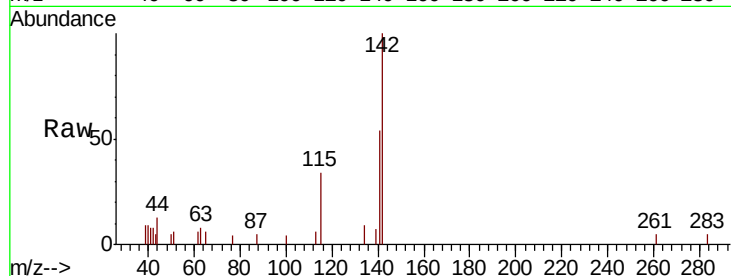
Tot Ion:142 Resp: 6745

Ion Ratio Lower Upper

142 100

141 80.5 70.8 106.2

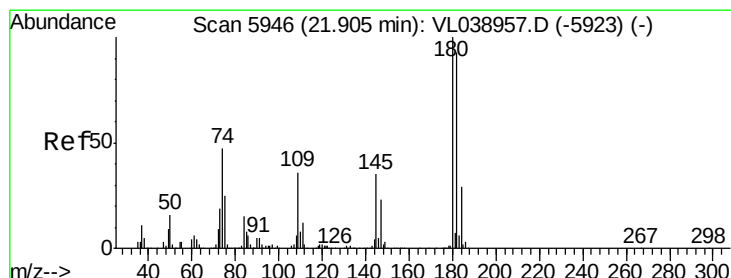
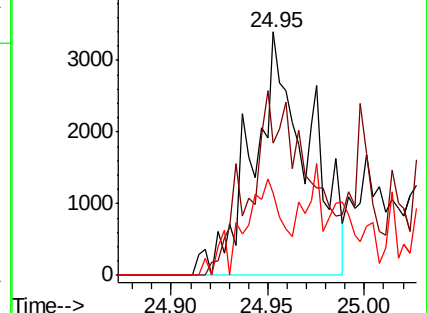
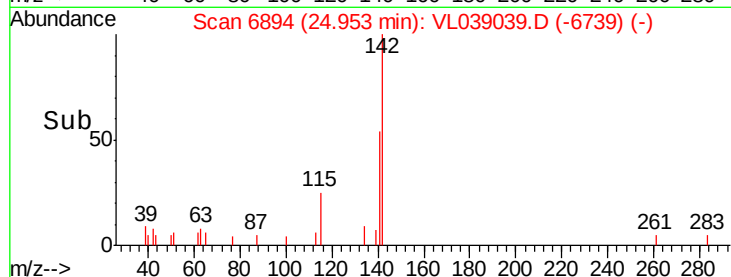
115 0.0 35.1 52.7#



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: 0.172 ppbv

RT: 21.89 min Scan# 5941

Delta R.T. -0.02 min

Lab File: VL039039.D

Acq: 13 May 2022 16:19

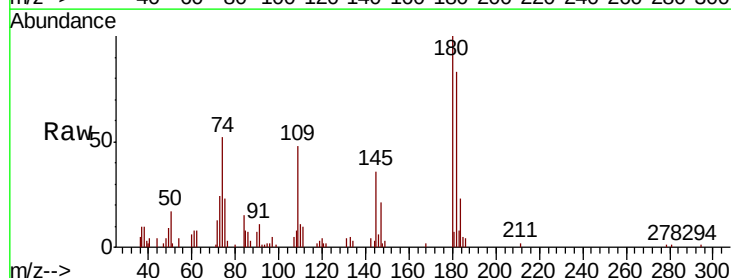
Tgt Ion:180 Resp: 20502

Ion Ratio Lower Upper

180 100

182 0.0 78.4 117.6#

184 0.0 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

