

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071222\
 Data File : VL039445.D
 Acq On : 12 Jul 2022 12:26
 Operator : SY/AP
 Sample : N3614-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-9D

Quant Time: Jul 13 01:30:39 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 06 02:15:38 2022
 QLast Update : Wed Jul 06 02:15:38 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1225108	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	3425354	10.00	ppbv	0.04
55) Chlorobenzene-d5	12.10	117	3012512	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2418813	10.82	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.06	85	53827	0.30	ppbv	98
3) Chlorodifluoromethane	2.98	51	183374	1.18	ppbv #	70
4) Chloromethane	3.15	50	25581	0.30	ppbv	94
9) Propene	3.22	41	4101998	58.44	ppbv	97
10) Heptane	8.15	43	11923	0.07	ppbv #	27
11) Trichlorofluoromethane	3.97	101	46572	0.24	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.50	101	12112	0.08	ppbv #	78
13) Ethanol	3.63	45	18539511	4552.50	ppbv	79
15) Acetone	3.86	43	3030362	20.91	ppbv	93
16) 1,3-Butadiene	3.37	39	148885	1.98	ppbv #	20
17) tert-Butyl alcohol	4.32	59	46758	0.38	ppbv #	71
19) Isopropyl Alcohol	3.99	45	1091757	14.12	ppbv	99
20) Methylene Chloride	4.36	84	169072	2.93	ppbv	98
21) Allyl Chloride	4.32	41	10499	0.10	ppbv #	15
23) Vinyl Acetate	5.08	43	115219	1.19	ppbv #	65
25) Ethyl Acetate	5.69	43	2414523	8.12	ppbv	98
26) Hexane	5.70	57	782549	6.53	ppbv #	71
29) Chloroform	5.77	83	379687	1.82	ppbv	99
30) Cyclohexane	7.15	84	7831	0.07	ppbv #	1
34) 2-Butanone	5.26	43	170114	0.99	ppbv	97
35) Carbon Tetrachloride	7.03	117	6491	0.03	ppbv #	26
36) Benzene	6.91	78	38271	0.14	ppbv	95
39) 1,2-Dichloropropane	7.19	63	828731	8.37	ppbv #	25
40) 1,4-Dioxane	7.85	88	1250	0.03	ppbv #	1
41) Tetrahydrofuran	6.07	42	10056	0.10	ppbv #	26
44) 2,2,4-Trimethylpentane	7.89	57	40693	0.09	ppbv #	42
50) 4-Methyl-2-Pentanone	8.76	43	16398	0.06	ppbv	89
51) 2-Hexanone	10.16	43	9264	0.05	ppbv #	45
53) Toluene	9.82	91	167976	0.55	ppbv	98
57) Chlorobenzene	12.16	112	7788	0.03	ppbv #	64
58) Ethyl Benzene	12.73	91	59260	0.15	ppbv	100
59) m/p-Xylene	13.01	91	34782	0.10	ppbv #	32
60) o-Xylene	13.70	91	22623	0.07	ppbv #	31
61) Styrene	13.54	104	5450	0.03	ppbv #	1
69) p-Isopropyltoluene	17.67	119	107526	0.21	ppbv	92
71) 2-Chlorotoluene	15.47	91	10690	0.03	ppbv #	54
74) 1,2,4-Trimethylbenzene	16.78	105	27996	0.07	ppbv #	78
76) 1,4-Dichlorobenzene	17.16	146	19943	0.09	ppbv	88
78) Hexachloro-1,3-Butadiene	23.39	225	24013	0.13	ppbv	98
79) Naphthalene	22.22	128	30771	0.12	ppbv #	94
80) Naphthalene,2-methyl-	24.98	142	11610	0.13	ppbv	94

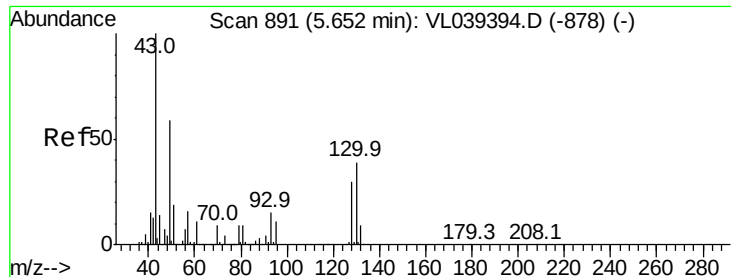
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071222\
Data File : VL039445.D
Acq On : 12 Jul 2022 12:26
Operator : SY/AP
Sample : N3614-01
Misc : 400mL/MSVOA_L
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Instrument :
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Quant Time: Jul 13 01:30:39 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 06 02:15:38 2022
QLast Update : Wed Jul 06 02:15:38 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId :

Acq: 12 Jul 2022 12:26

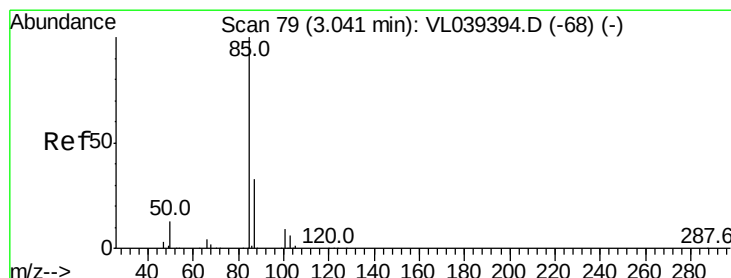
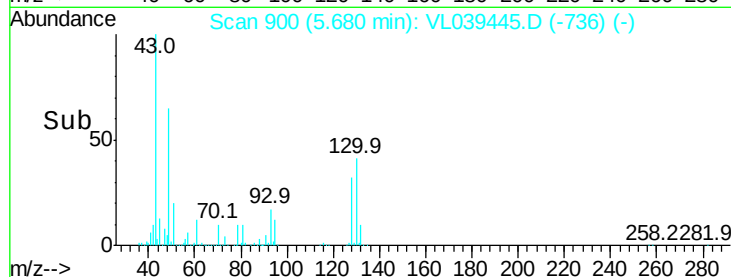
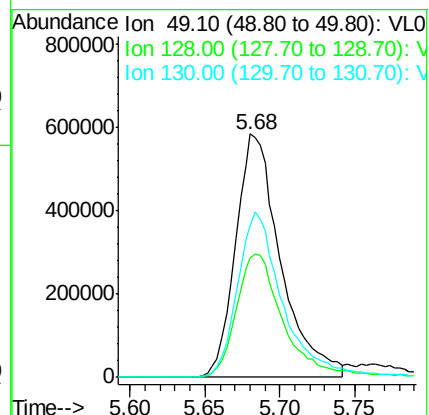
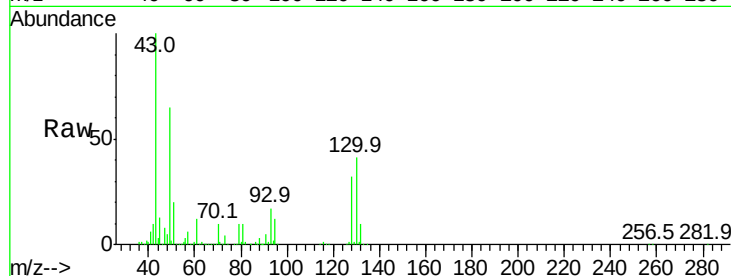
Tgt Ion: 49 Resp: 1225108

Ion Ratio Lower Upper

49 100

128 54.1 26.7 80.0

130 70.1 34.3 102.8



#2

Dichlorodifluoromethane

Concen: 0.30 ppbv

RT: 3.06 min Scan# 85

Delta R.T. 0.02 min

Lab File: VL039445.D

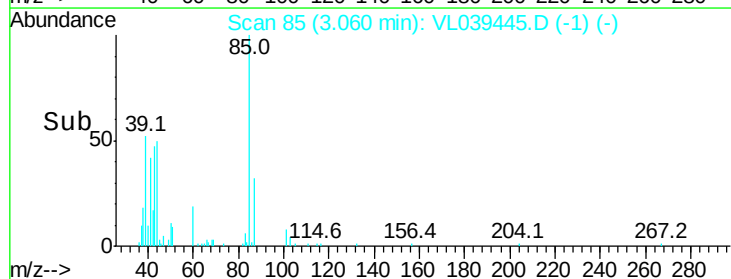
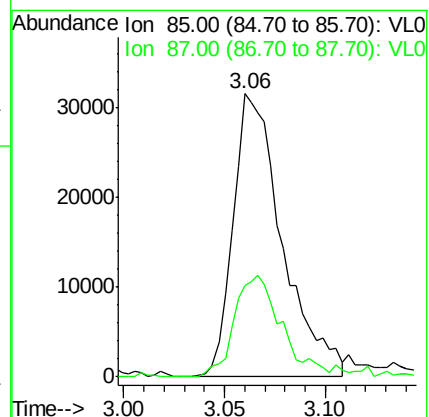
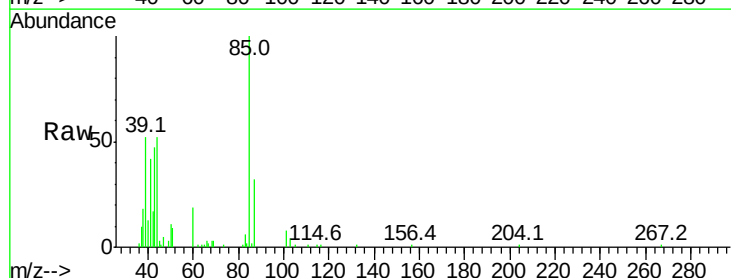
Acq: 12 Jul 2022 12:26

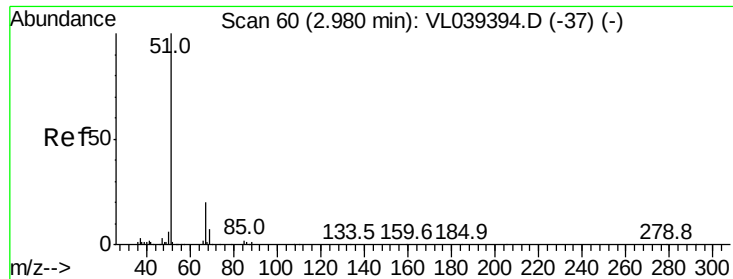
Tgt Ion: 85 Resp: 53827

Ion Ratio Lower Upper

85 100

87 32.2 26.7 40.1





#3

Chlorodifluoromethane

Concen: 1.18 ppbv

RT: 2.98 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: IA-9D

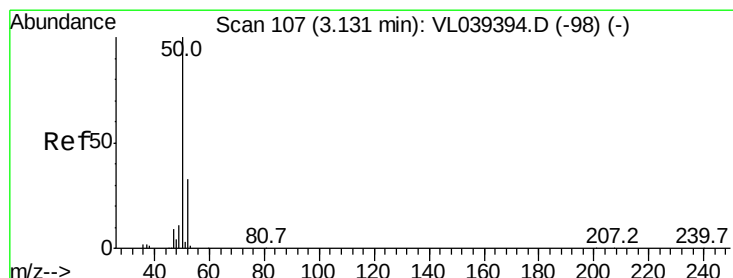
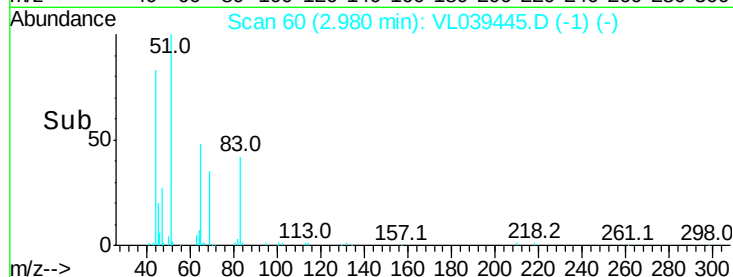
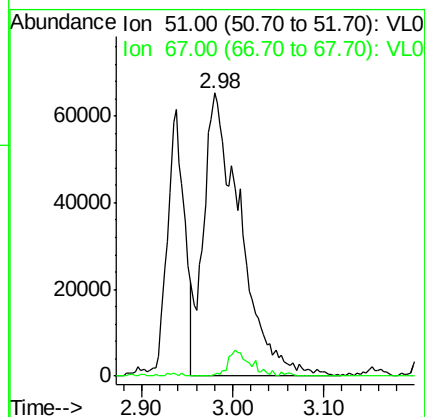
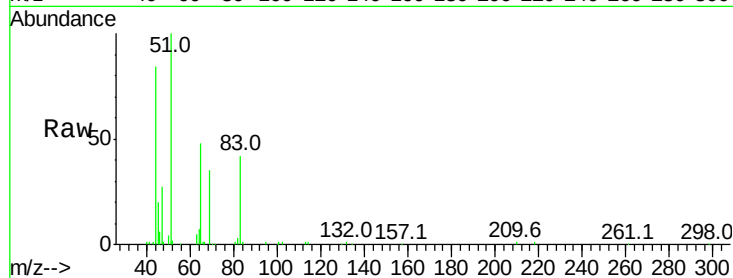
Acq: 12 Jul 2022 12:26

Tgt Ion: 51 Resp: 183374

Ion Ratio Lower Upper

51 100

67 5.9 15.7 23.5#



#4

Chloromethane

Concen: 0.30 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.02 min

Lab File: VL039445.D

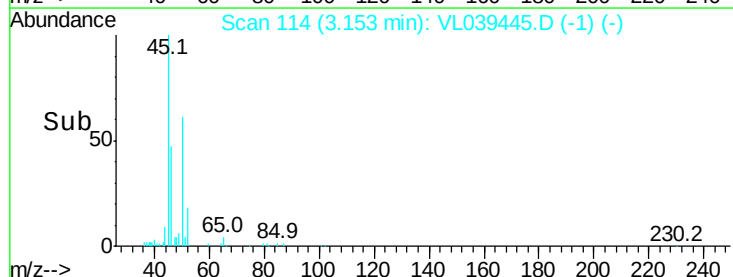
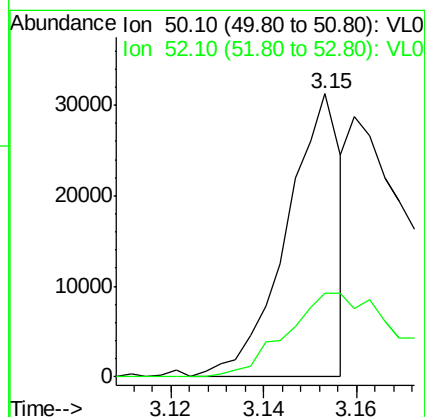
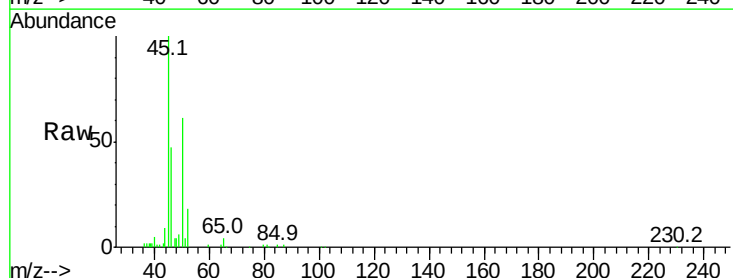
Acq: 12 Jul 2022 12:26

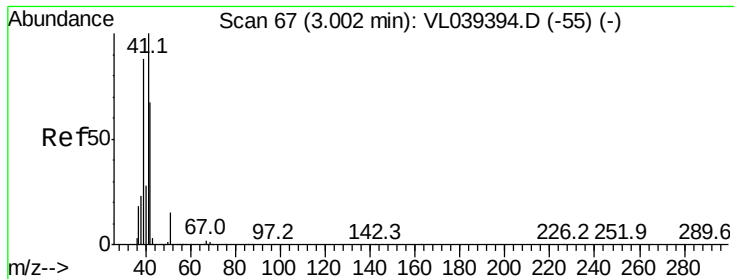
Tgt Ion: 50 Resp: 25581

Ion Ratio Lower Upper

50 100

52 29.5 26.5 39.7





#9

Propene

Concen: 58.44 ppbv

RT: 3.22 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

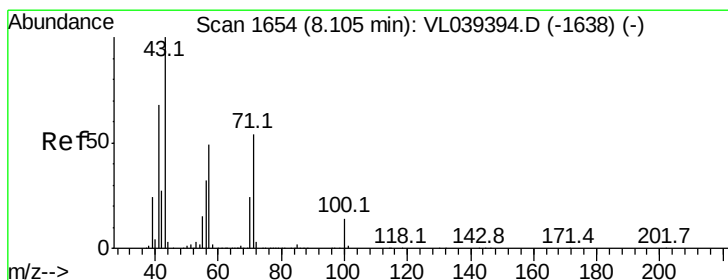
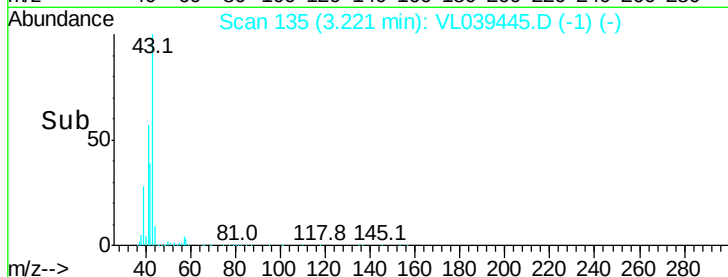
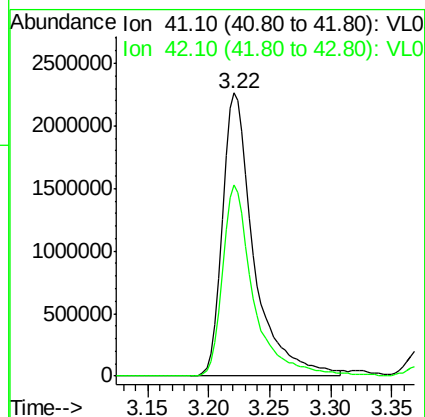
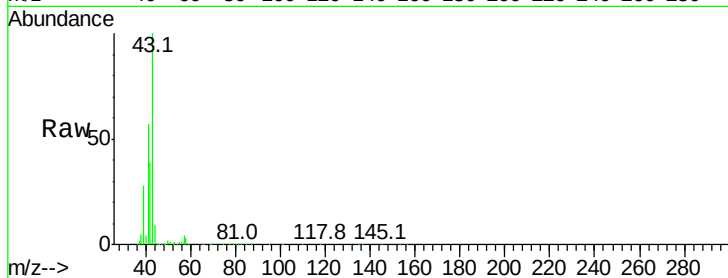
Acq: 12 Jul 2022 12:26

Tgt Ion: 41 Resp: 4101998

Ion Ratio Lower Upper

41 100

42 66.4 55.2 82.8



#10

Heptane

Concen: 0.07 ppbv

RT: 8.15 min Scan# 1668

Delta R.T. 0.04 min

Lab File: VL039445.D

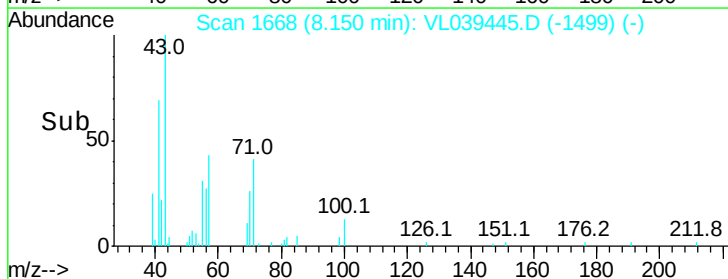
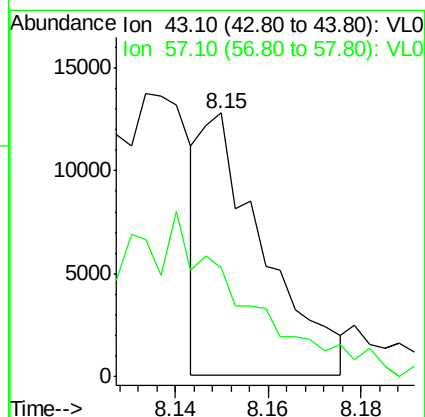
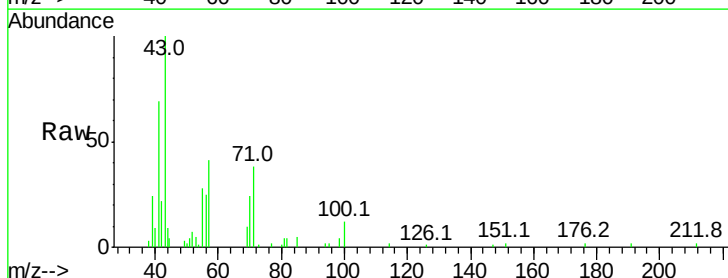
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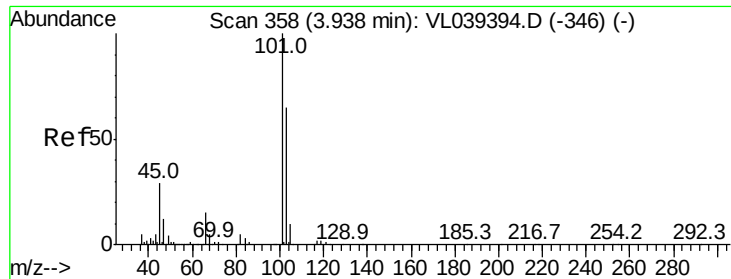
Tgt Ion: 43 Resp: 11923

Ion Ratio Lower Upper

43 100

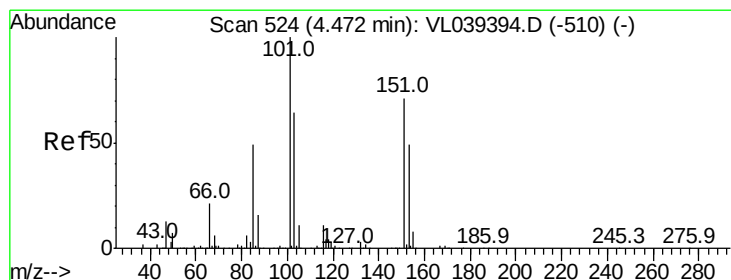
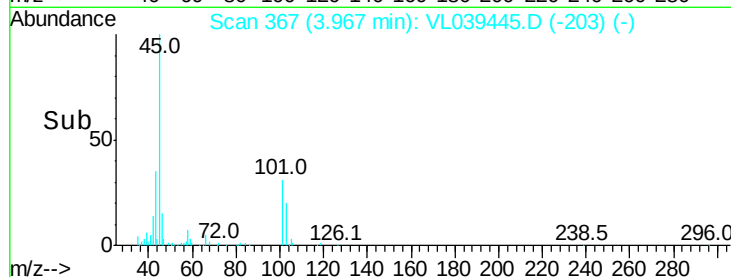
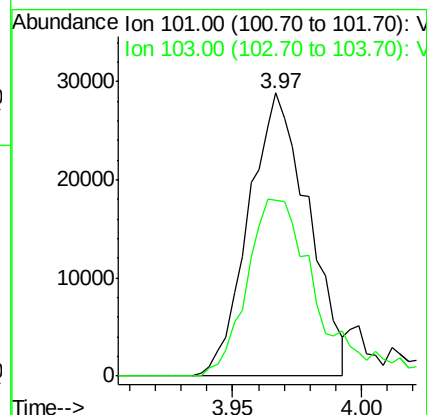
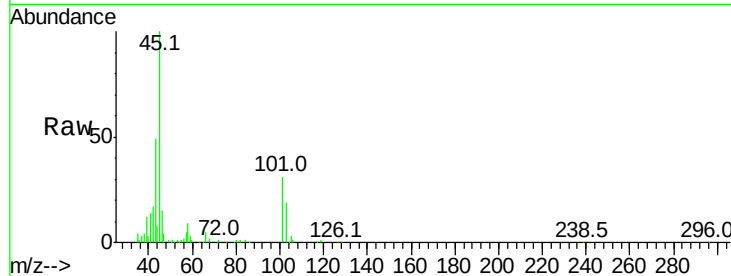
57 0.0 40.5 60.7#





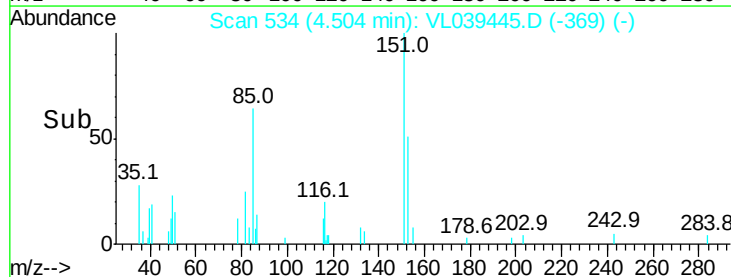
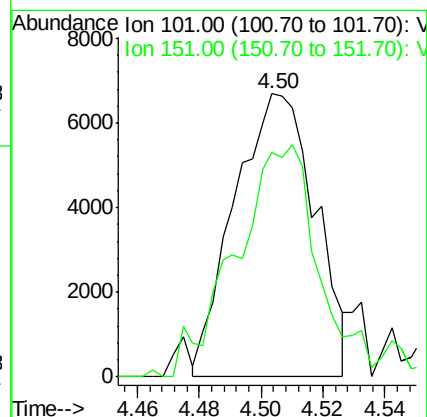
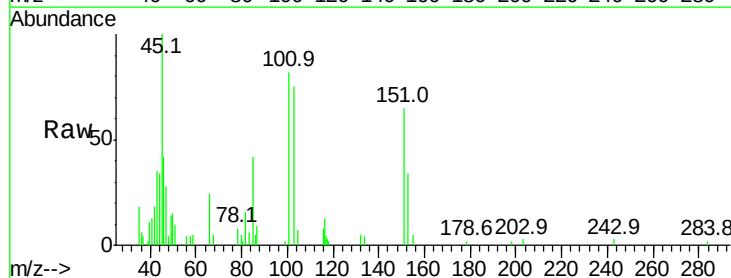
#11
 Trichlorofluoromethane
 Concen: 0.24 ppbv
 RT: 3.97 Instrument : MSVOA_1
 Delta R.T. ClientSampleId :
 Lab File: IA-9D
 Acq: 12 Jul 2022 12:28

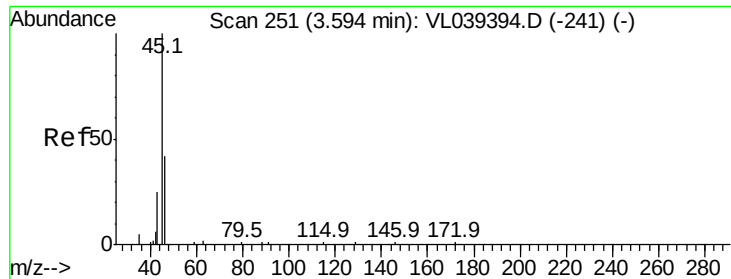
Tgt Ion:101 Resp: 46572
 Ion Ratio Lower Upper
 101 100
 103 62.1 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.08 ppbv
 RT: 4.50 min Scan# 534
 Delta R.T. 0.03 min
 Lab File: VL039445.D
 Acq: 12 Jul 2022 12:26

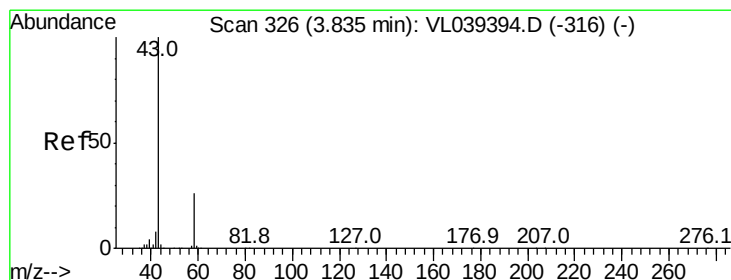
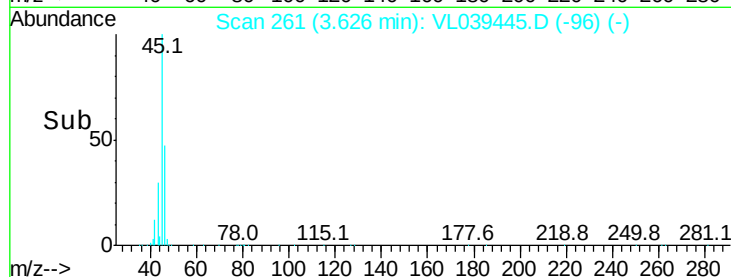
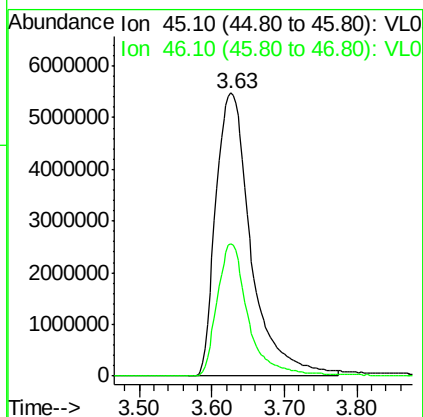
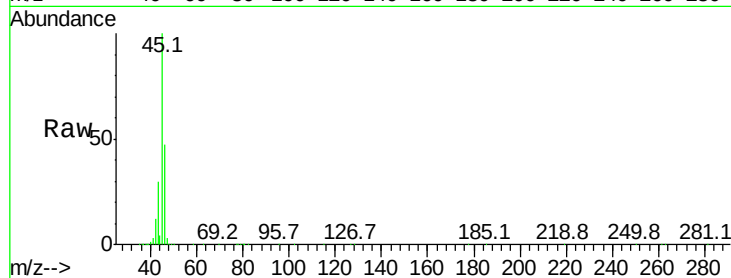
Tgt Ion:101 Resp: 12112
 Ion Ratio Lower Upper
 101 100
 151 92.5 58.9 88.3#





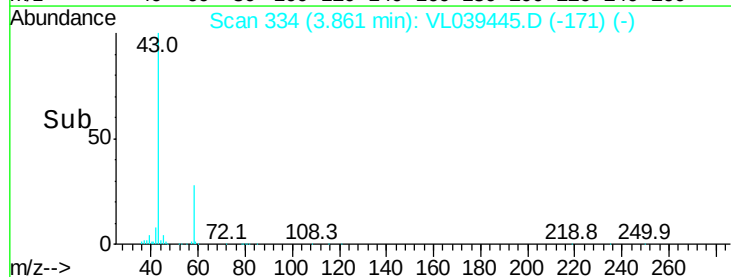
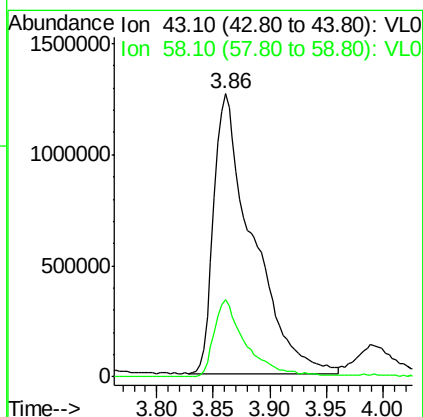
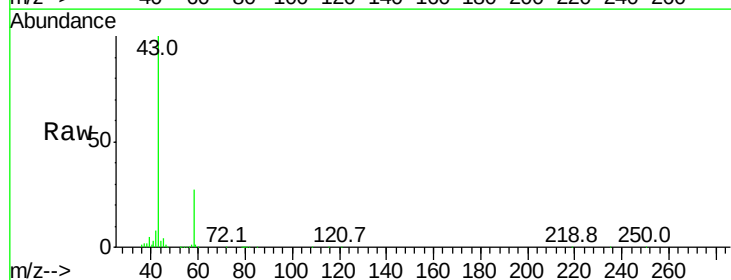
#13
Ethanol
Concen: 4552.50 ppbv
RT: 3.63
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 12 Jul 2022 12:26

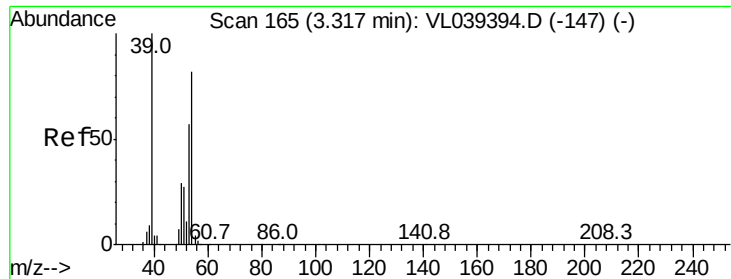
Tgt Ion: 45 Resp: 18539511
Ion Ratio Lower Upper
45 100
46 41.8 22.8 91.2



#15
Acetone
Concen: 20.91 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.03 min
Lab File: VL039445.D
Acq: 12 Jul 2022 12:26

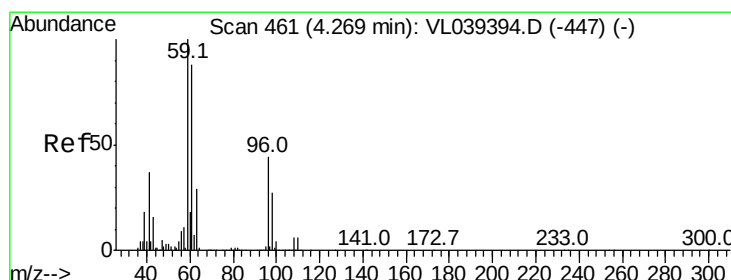
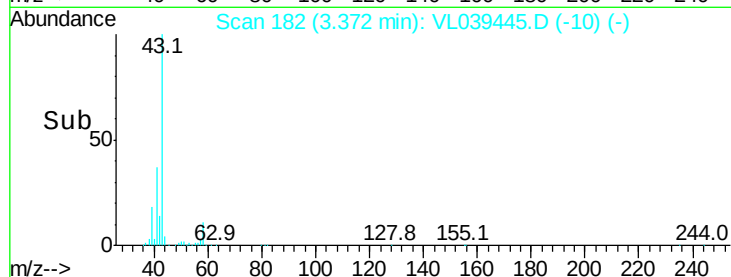
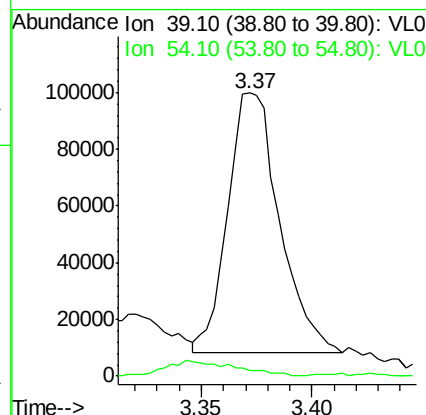
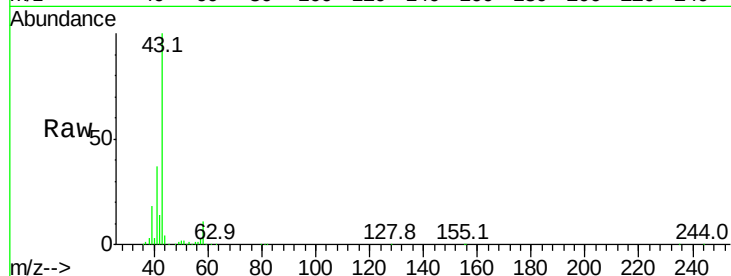
Tgt Ion: 43 Resp: 3030362
Ion Ratio Lower Upper
43 100
58 23.0 21.0 31.6





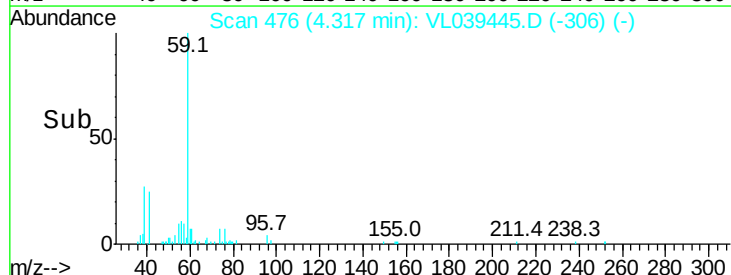
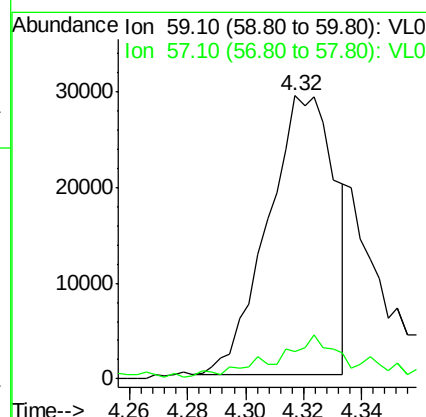
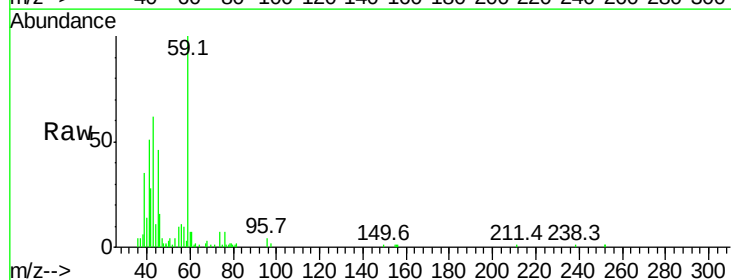
#16
 1,3-Butadiene
 Concen: 1.98 ppbv
 RT: 3.37
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 12 Jul 2022 12:26

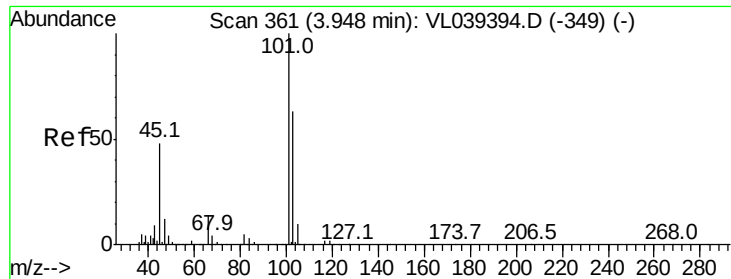
Tgt Ion: 39 Resp: 148885
 Ion Ratio Lower Upper
 39 100
 54 9.6 63.7 95.5#



#17
 tert-Butyl alcohol
 Concen: 0.38 ppbv
 RT: 4.32 min Scan# 476
 Delta R.T. 0.05 min
 Lab File: VL039445.D
 Acq: 12 Jul 2022 12:26

Tgt Ion: 59 Resp: 46758
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.7 13.1#





#19

Isopropyl Alcohol

Concen: 14.12 ppbv

RT: 3.99 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

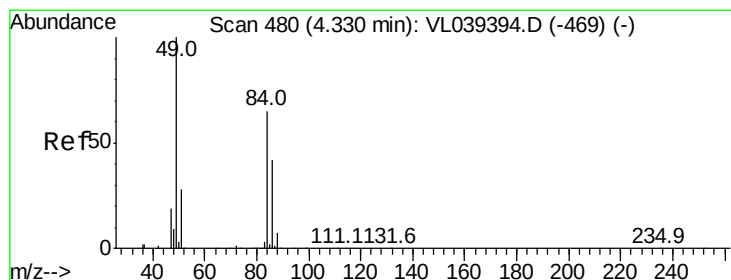
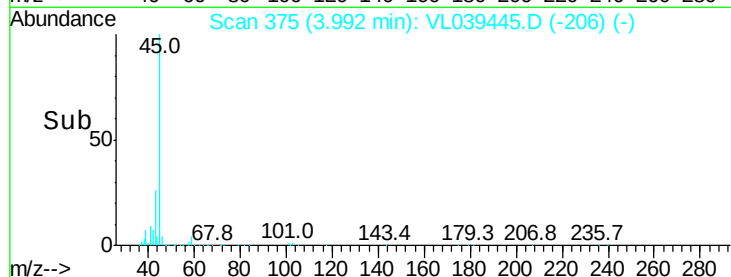
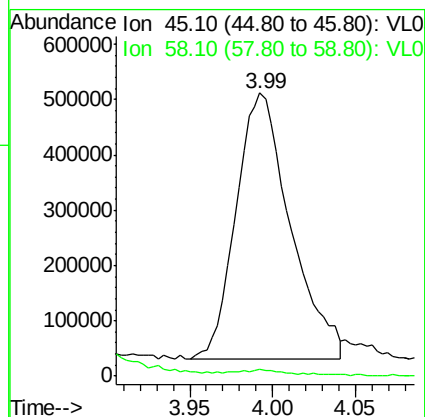
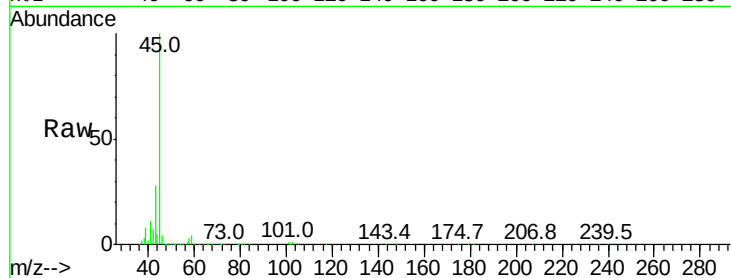
Acq: 12 Jul 2022 12:26

Tgt Ion: 45 Resp: 1091757

Ion Ratio Lower Upper

45 100

58 3.6 3.2 4.8



#20

Methylene Chloride

Concen: 2.93 ppbv

RT: 4.36 min Scan# 489

Delta R.T. 0.03 min

Lab File: VL039445.D

Acq: 12 Jul 2022 12:26

Tgt Ion: 84 Resp: 169072

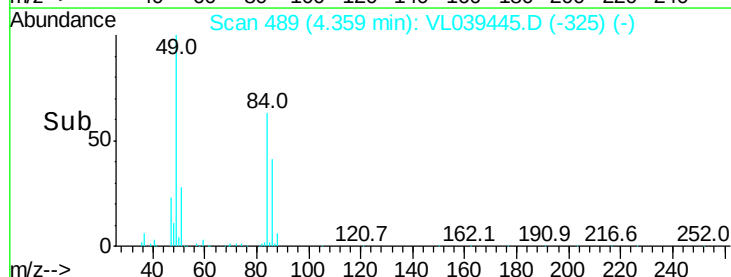
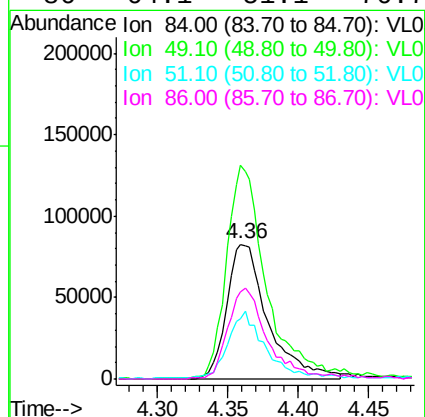
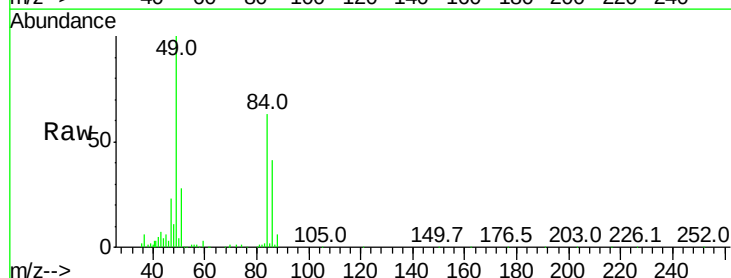
Ion Ratio Lower Upper

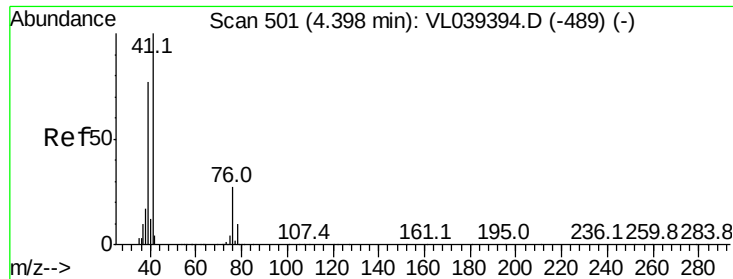
84 100

49 157.2 123.1 184.7

51 43.1 34.4 51.6

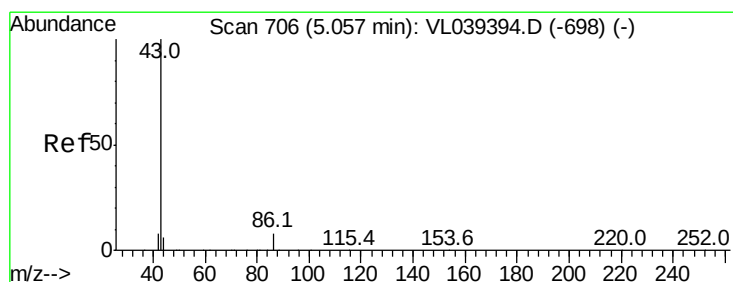
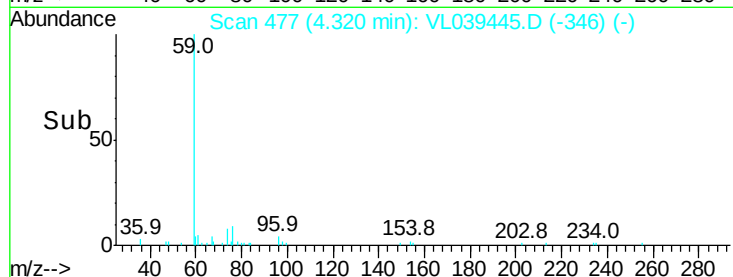
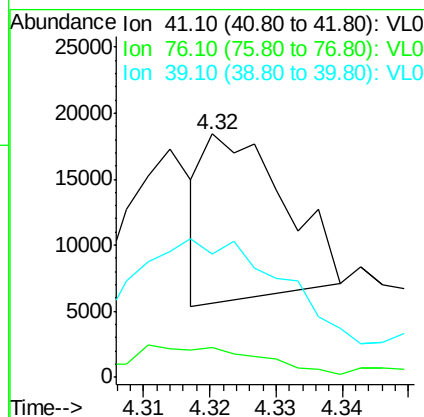
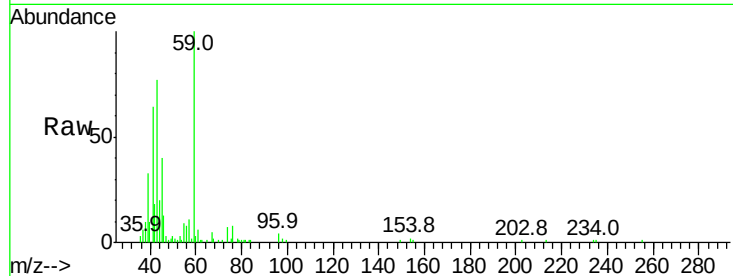
86 64.1 51.1 76.7





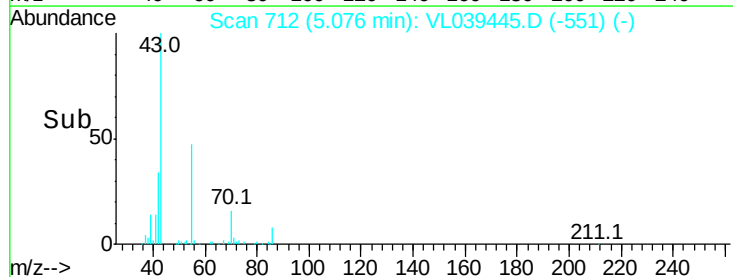
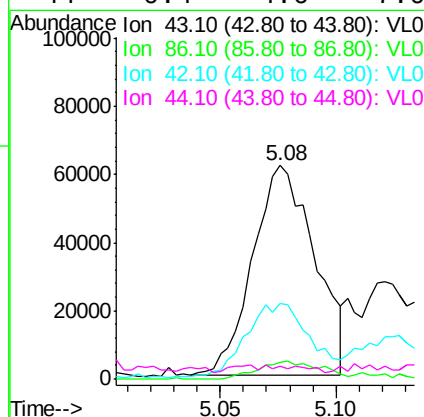
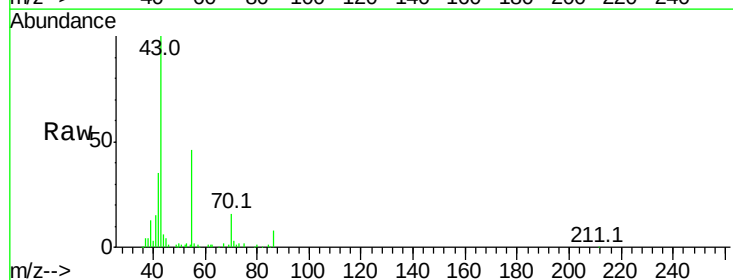
#21
 Allyl Chloride
 Concen: 0.10 ppbv
 RT: 4.32
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 12 Jul 2022 12:26

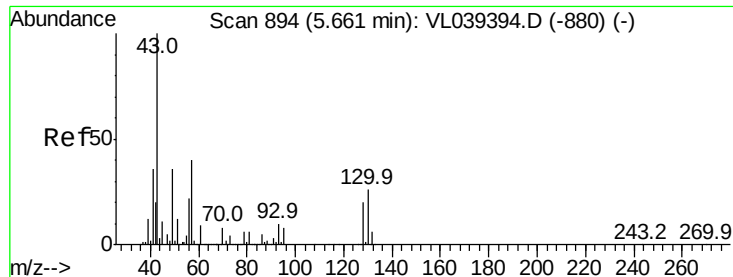
Tgt Ion	Ratio	Lower	Upper
41	100		
76	3.0	24.4	36.6#
39	165.5	63.5	95.3#



#23
 Vinyl Acetate
 Concen: 1.19 ppbv
 RT: 5.08 min Scan# 712
 Delta R.T. 0.02 min
 Lab File: VL039445.D
 Acq: 12 Jul 2022 12:26

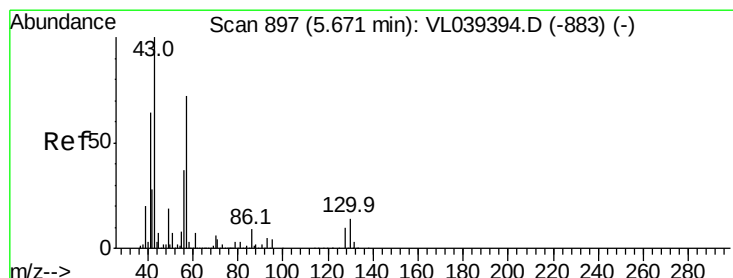
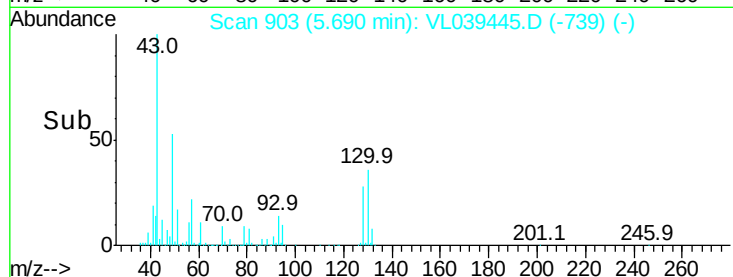
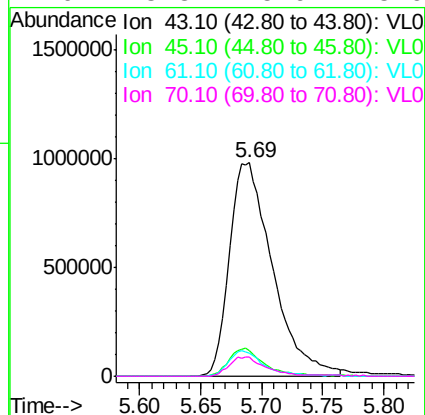
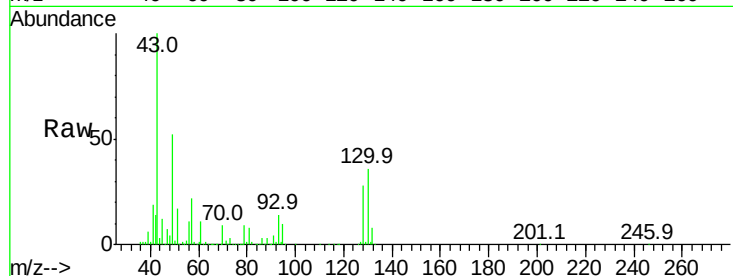
Tgt Ion	Ratio	Lower	Upper
43	100		
86	7.9	5.0	7.6#
42	33.5	7.7	11.5#
44	0.4	4.6	7.0#





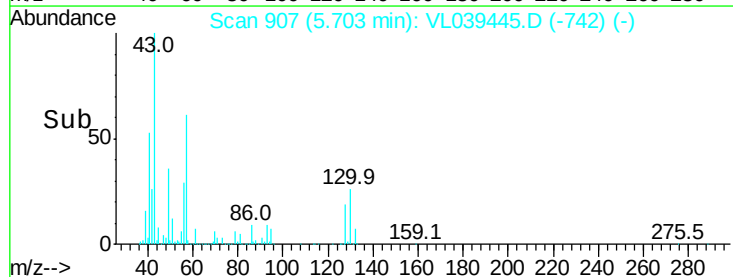
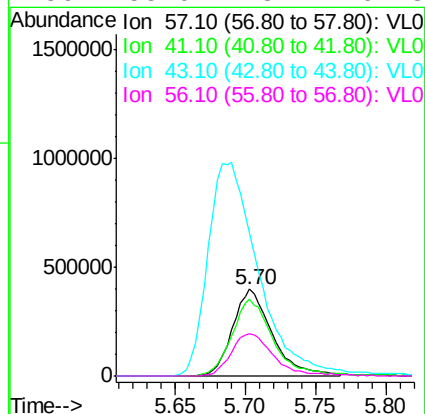
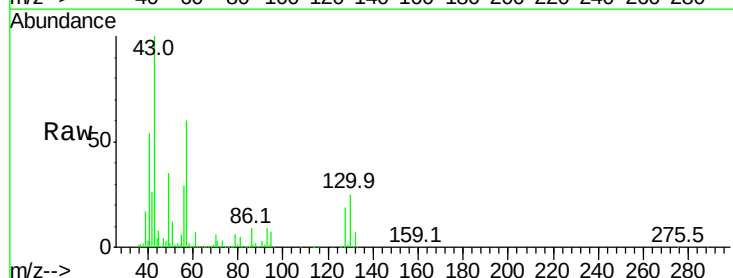
#25
Ethyl Acetate
Concen: 8.12 ppbv
RT: 5.69
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 12 Jul 2022 12:26

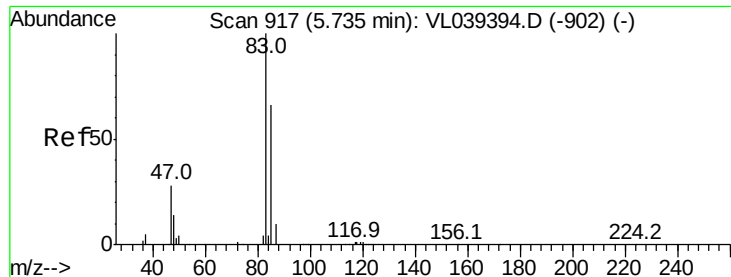
Tgt Ion:	43	Resp:	2414523
Ion	Ratio	Lower	Upper
43	100		
45	11.2	8.2	12.4
61	10.2	8.3	12.5
70	8.3	5.9	8.9



#26
Hexane
Concen: 6.53 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.03 min
Lab File: VL039445.D
Acq: 12 Jul 2022 12:26

Tgt Ion:	57	Resp:	782549
Ion	Ratio	Lower	Upper
57	100		
41	94.6	76.9	115.3
43	317.7	191.0	286.6#
56	53.0	43.2	64.8





#29

Chloroform

Concen: 1.82 ppbv

RT: 5.77 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

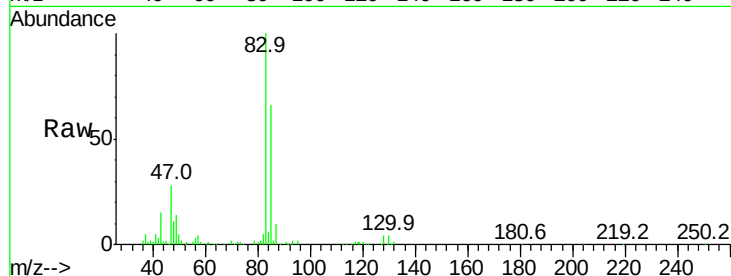
Acq: 12 Jul 2022 12:26

Tgt Ion: 83 Resp: 379687

Ion Ratio Lower Upper

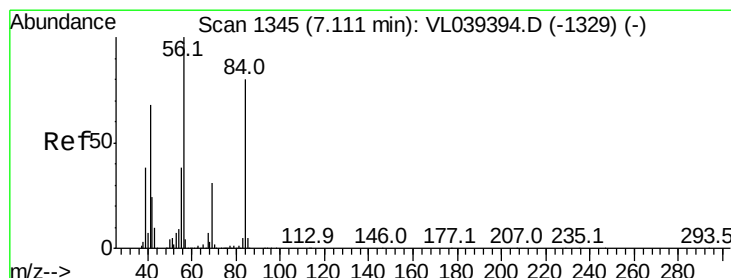
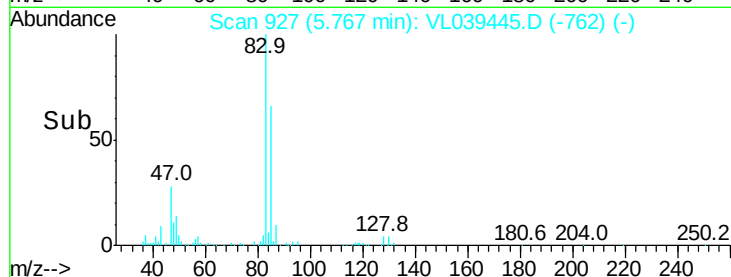
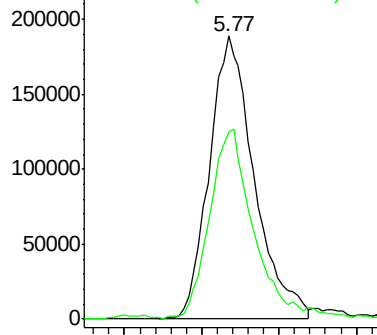
83 100

85 65.4 52.8 79.2



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 0.07 ppbv

RT: 7.15 min Scan# 1357

Delta R.T. 0.04 min

Lab File: VL039445.D

Acq: 12 Jul 2022 12:26

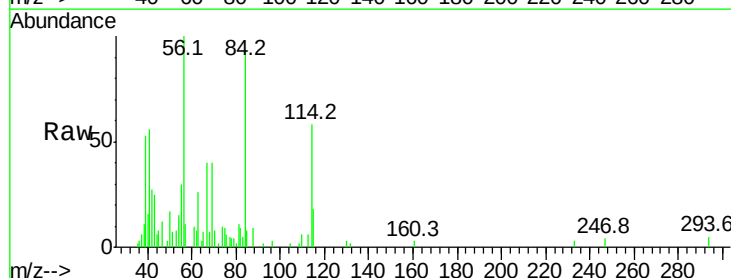
Tgt Ion: 84 Resp: 7831

Ion Ratio Lower Upper

84 100

56 0.0 107.7 161.5#

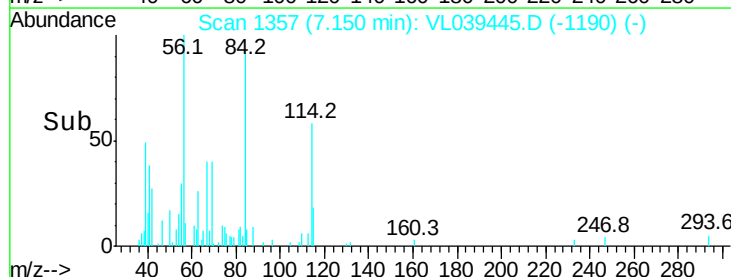
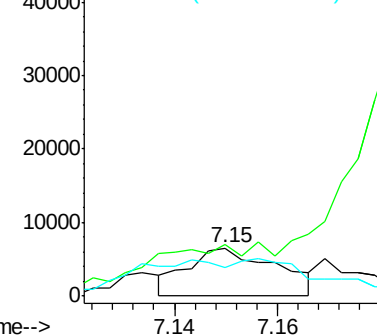
41 172.3 67.7 101.5#

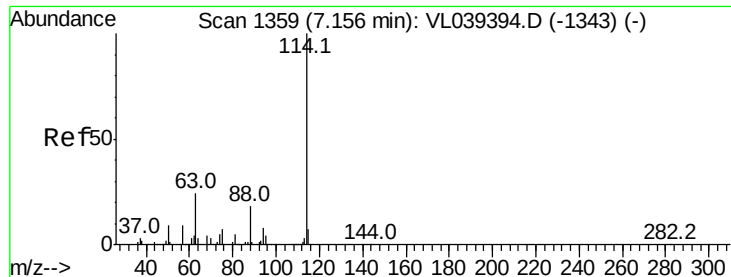


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.19

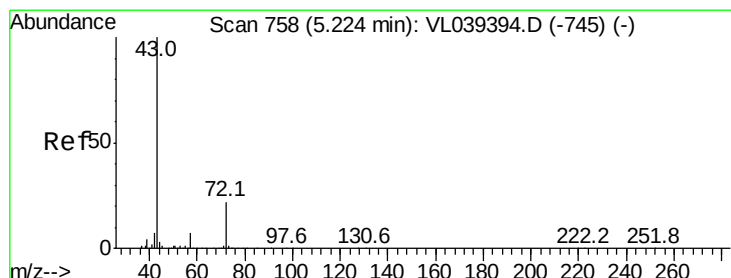
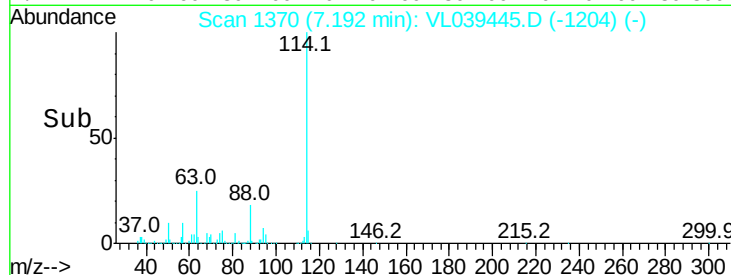
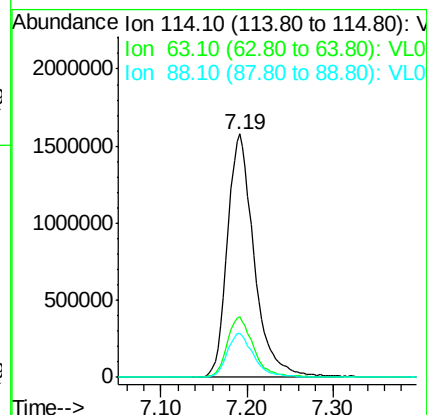
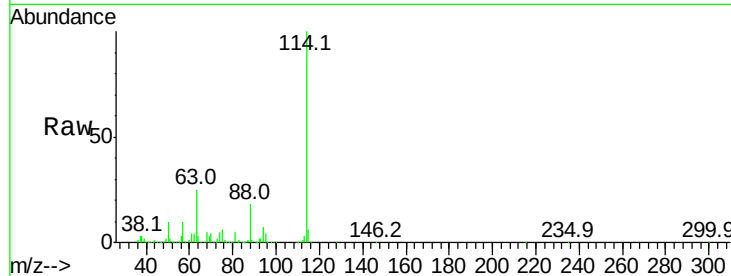
Delta R.T. MSVOA_L

Lab File: ClientSampleId : IA-9D

Acq: 12 Jul 2022 12:20

Tgt Ion:114 Resp: 3425354

Ion	Ratio	Lower	Upper
114	100		
63	24.6	20.2	30.4
88	18.1	14.5	21.7



#34

2-Butanone

Concen: 0.99 ppbv

RT: 5.26 min Scan# 769

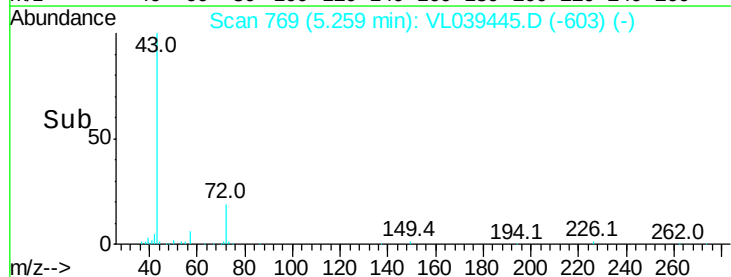
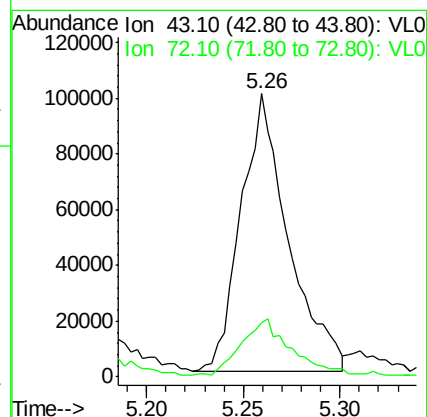
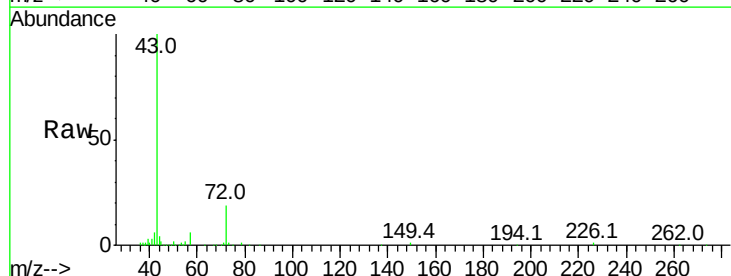
Delta R.T. 0.04 min

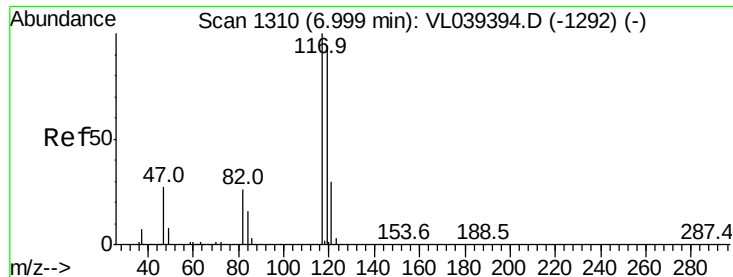
Lab File: VL039445.D

Acq: 12 Jul 2022 12:26

Tgt Ion: 43 Resp: 170114

Ion	Ratio	Lower	Upper
43	100		
72	23.9	17.9	26.9





#35

Carbon Tetrachloride

Concen: 0.03 ppbv

RT: 7.03 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 12 Jul 2022 12:26

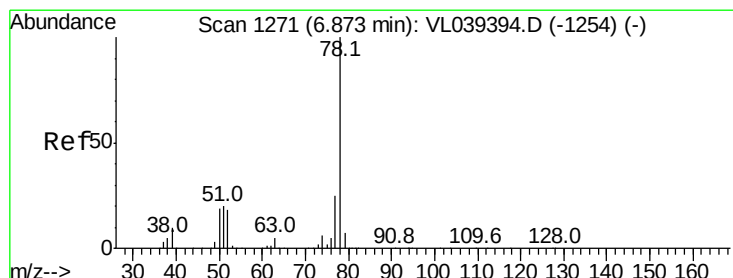
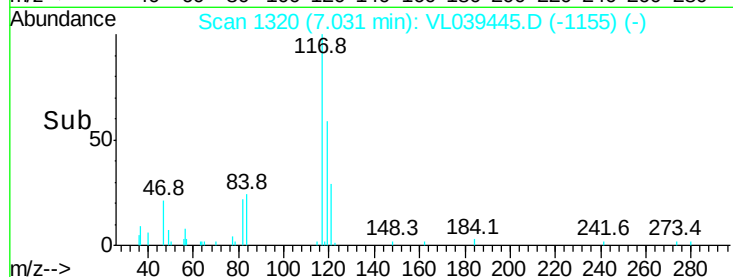
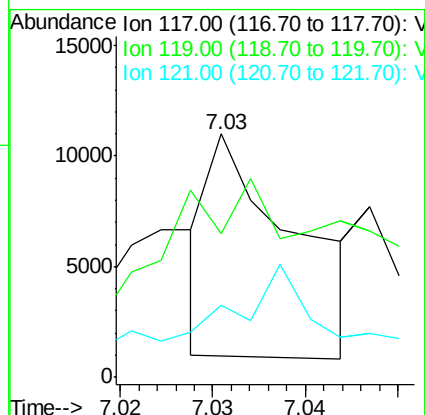
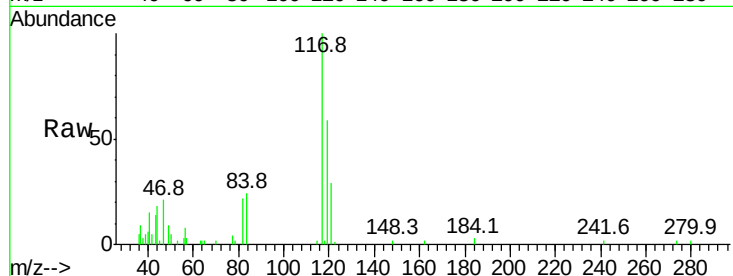
Tgt Ion: 117 Resp: 6491

Ion Ratio Lower Upper

117 100

119 0.0 75.4 113.2#

121 29.0 24.2 36.2



#36

Benzene

Concen: 0.14 ppbv

RT: 6.91 min Scan# 1281

Delta R.T. 0.03 min

Lab File: VL039445.D

Acq: 12 Jul 2022 12:26

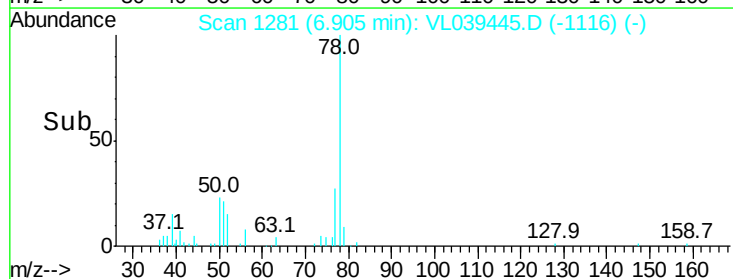
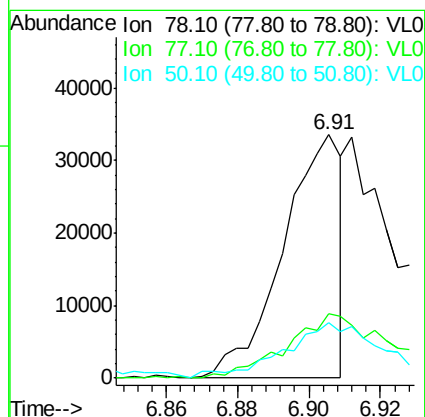
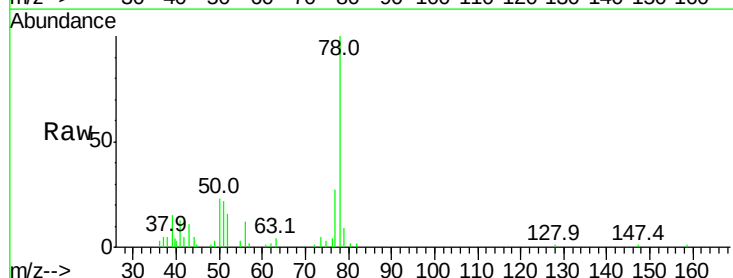
Tgt Ion: 78 Resp: 38271

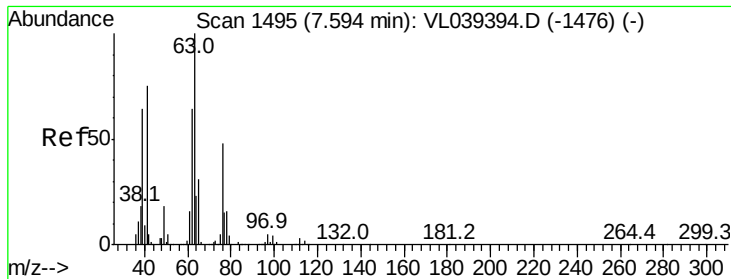
Ion Ratio Lower Upper

78 100

77 26.6 20.3 30.5

50 22.8 15.5 23.3





#39

1,2-Dichloropropane

Concen: 8.37 ppbv

RT: 7.19

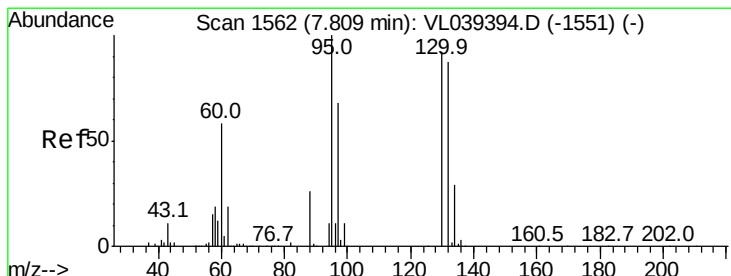
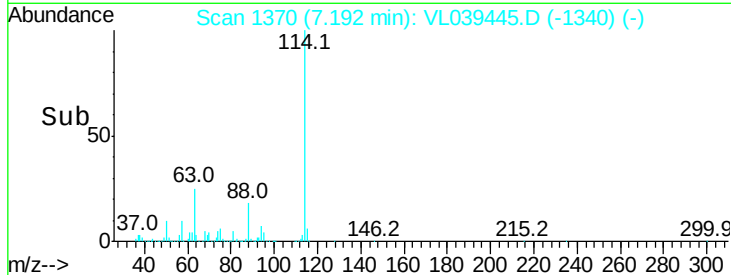
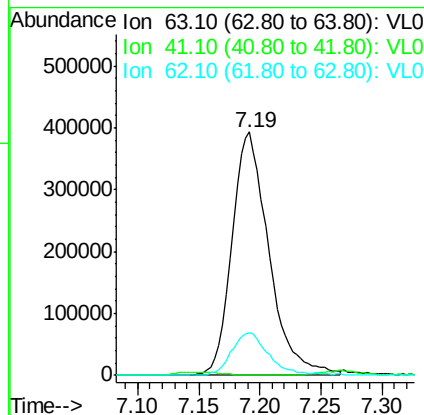
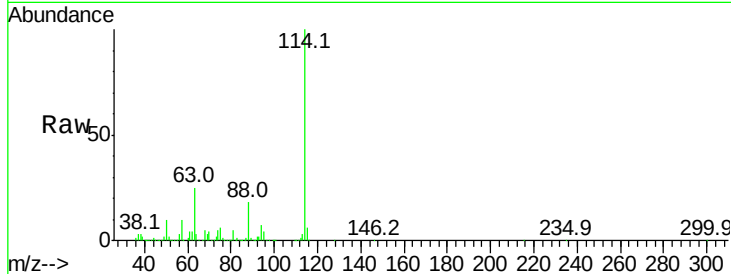
Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 12 Jul 2022 12:20

Tgt Ion: 63 Resp: 828731

Ion	Ratio	Lower	Upper
63	100		
41	0.0	59.6	89.4#
62	17.6	51.4	77.0#



#40

1,4-Dioxane

Concen: 0.03 ppbv

RT: 7.85 min Scan# 1576

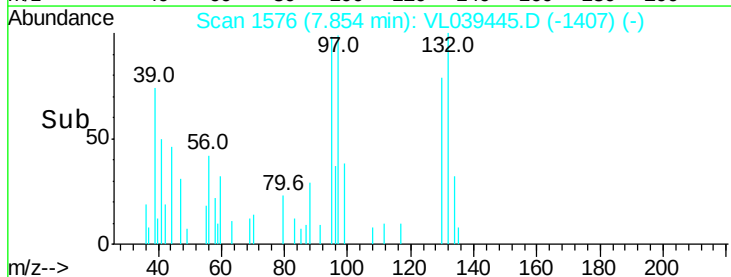
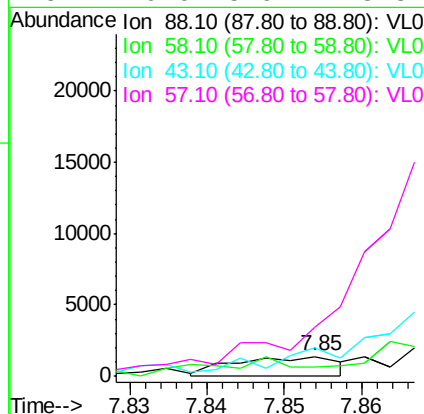
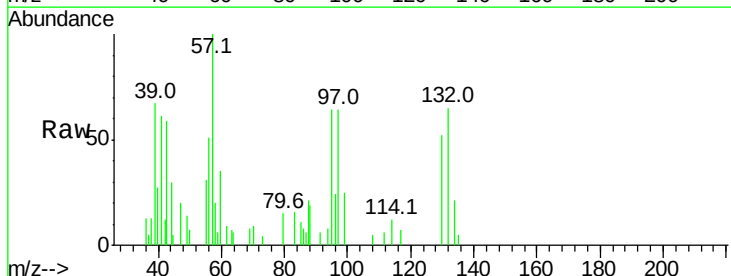
Delta R.T. 0.04 min

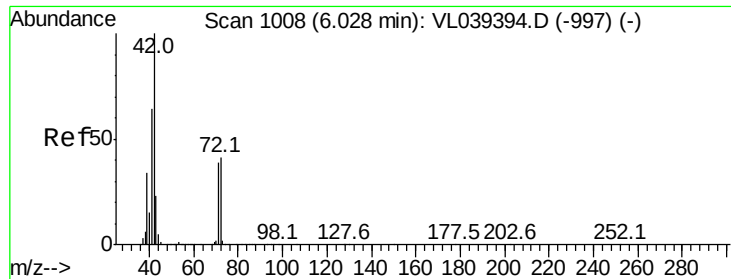
Lab File: VL039445.D

Acq: 12 Jul 2022 12:26

Tgt Ion: 88 Resp: 1250

Ion	Ratio	Lower	Upper
88	100		
58	0.0	100.2	150.4#
43	0.0	205.8	308.6#
57	0.0	879.1	1318.7#





#41

Tetrahydrofuran

Concen: 0.10 ppbv

RT: 6.07 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 12 Jul 2022 12:26

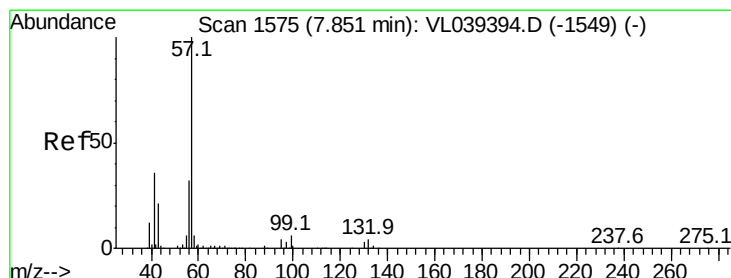
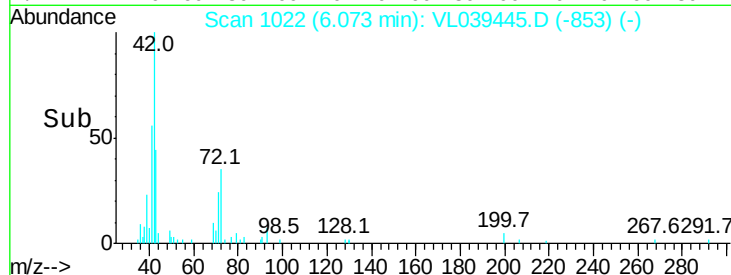
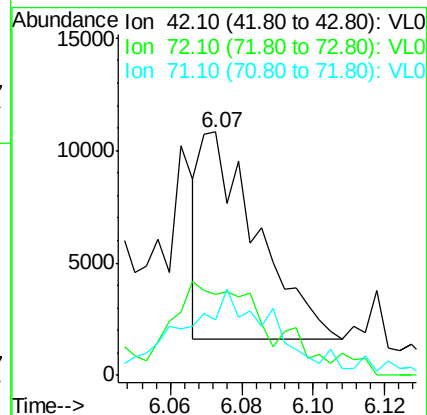
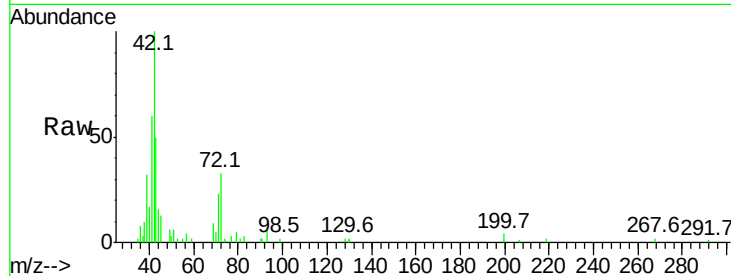
Tgt Ion: 42 Resp: 10056

Ion Ratio Lower Upper

42 100

72 95.0 31.8 47.8#

71 76.1 31.8 47.8#



#44

2,2,4-Trimethylpentane

Concen: 0.09 ppbv

RT: 7.89 min Scan# 1586

Delta R.T. 0.04 min

Lab File: VL039445.D

Acq: 12 Jul 2022 12:26

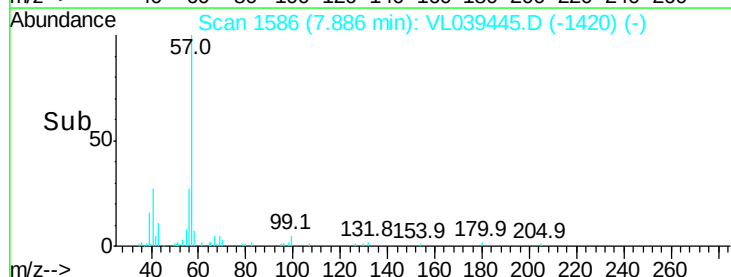
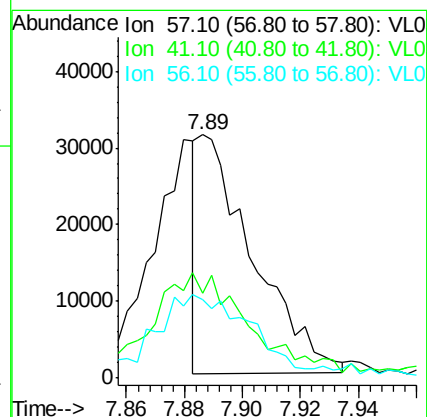
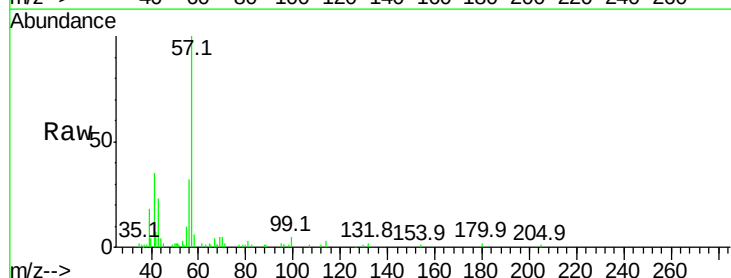
Tgt Ion: 57 Resp: 40693

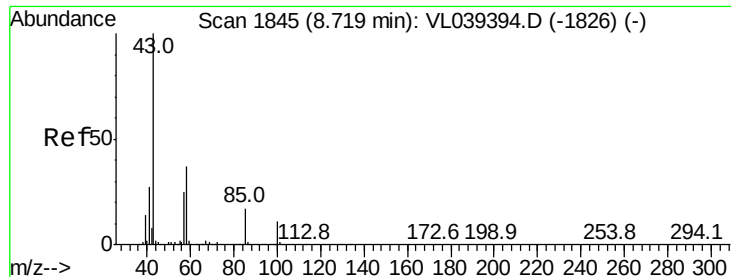
Ion Ratio Lower Upper

57 100

41 0.0 27.4 41.2#

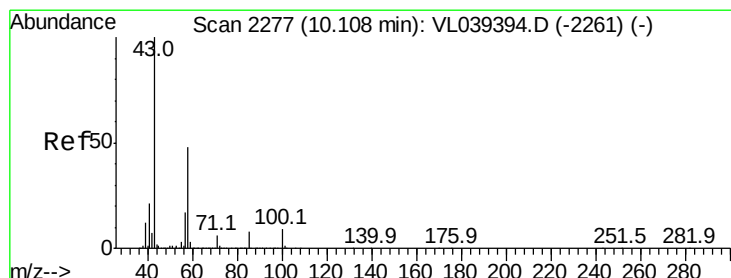
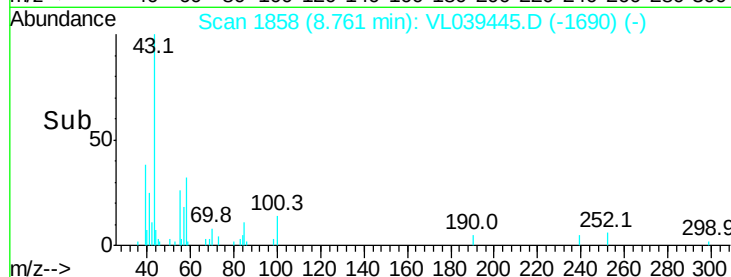
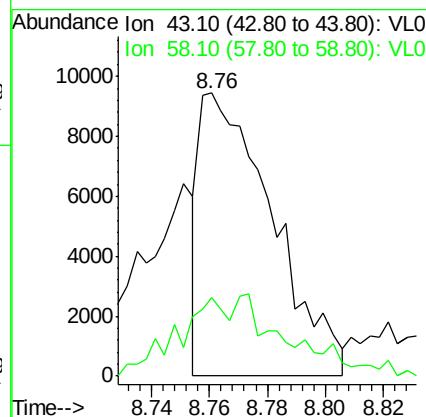
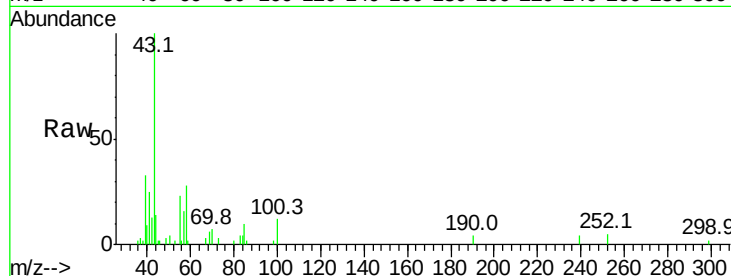
56 0.0 24.5 36.7#





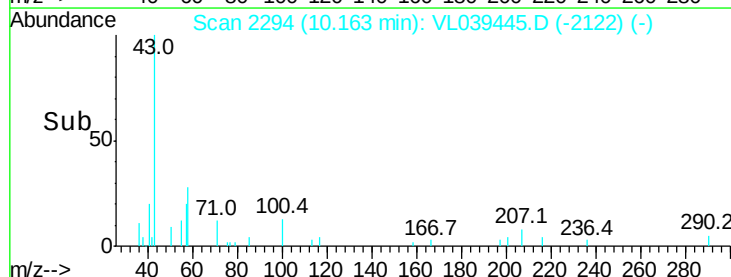
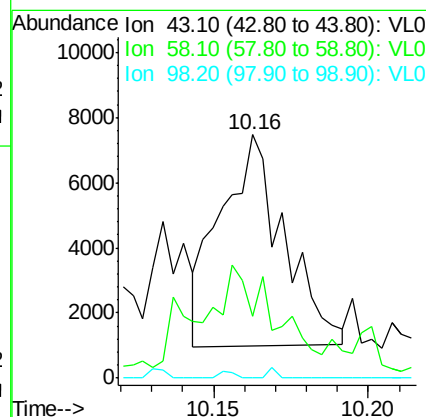
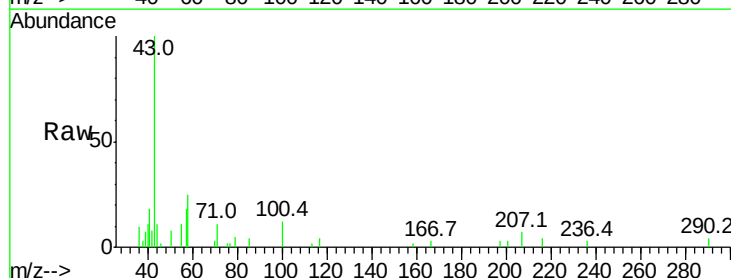
#50
 4-Methyl-2-Pentanone
 Concen: 0.06 ppbv
 RT: 8.76
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 12 Jul 2022 12:26

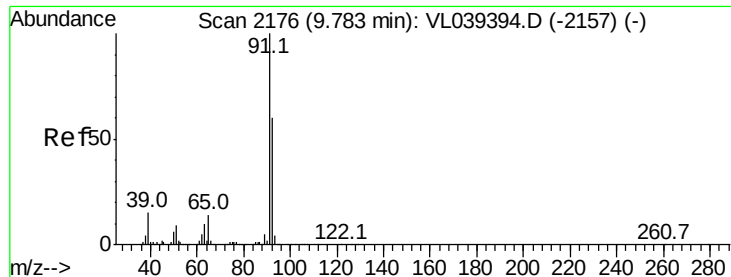
Tgt Ion: 43 Resp: 16398
 Ion Ratio Lower Upper
 43 100
 58 42.2 28.8 43.2



#51
 2-Hexanone
 Concen: 0.05 ppbv
 RT: 10.16 min Scan# 2294
 Delta R.T. 0.05 min
 Lab File: VL039445.D
 Acq: 12 Jul 2022 12:26

Tgt Ion: 43 Resp: 9264
 Ion Ratio Lower Upper
 43 100
 58 85.1 38.4 57.6#
 98 1.5 0.3 0.5#





#53

Toluene

Concen: 0.55 ppbv

RT: 9.82 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

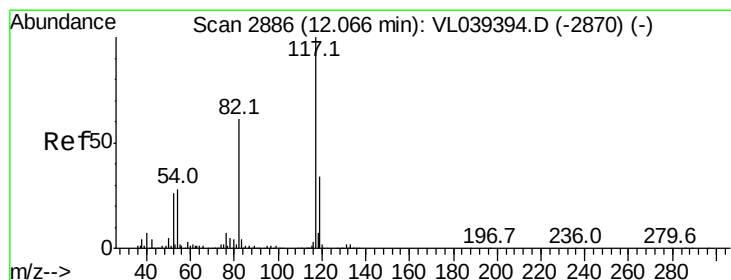
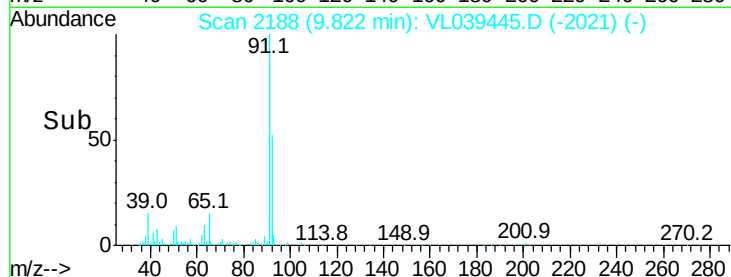
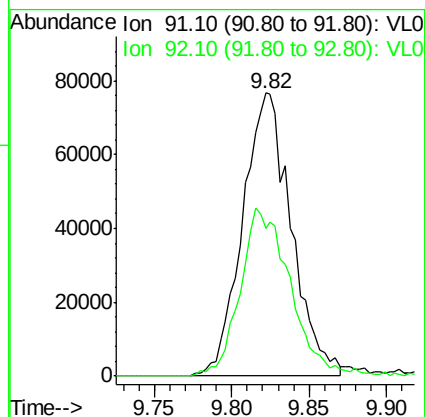
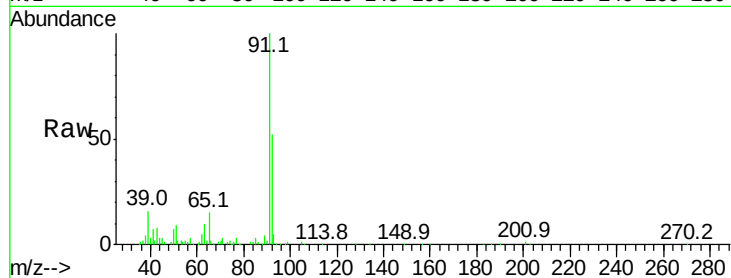
Acq: 12 Jul 2022 12:26

Tgt Ion: 91 Resp: 167976

Ion Ratio Lower Upper

91 100

92 61.7 48.2 72.2



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.10 min Scan# 2897

Delta R.T. 0.04 min

Lab File: VL039445.D

Acq: 12 Jul 2022 12:26

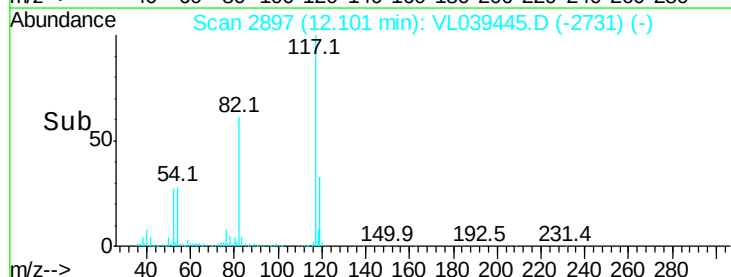
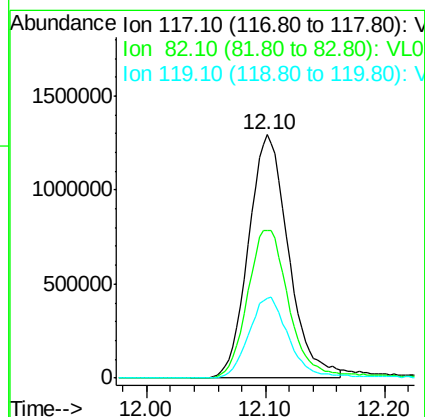
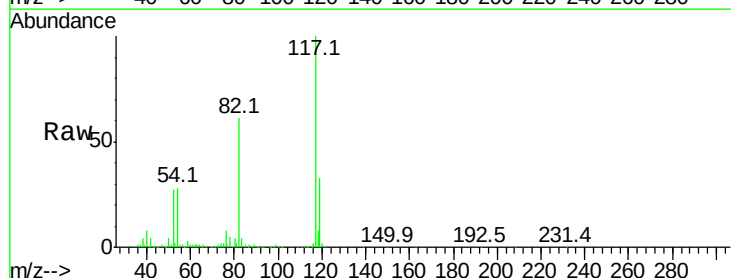
Tgt Ion: 117 Resp: 3012512

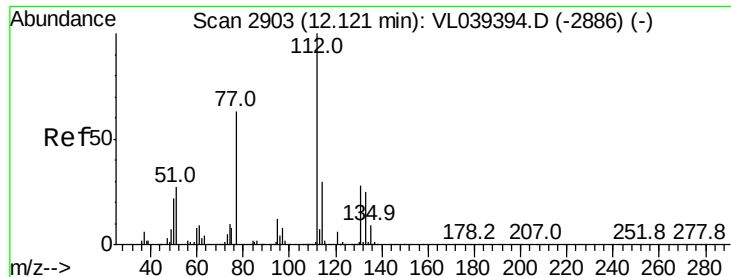
Ion Ratio Lower Upper

117 100

82 65.4 50.8 76.2

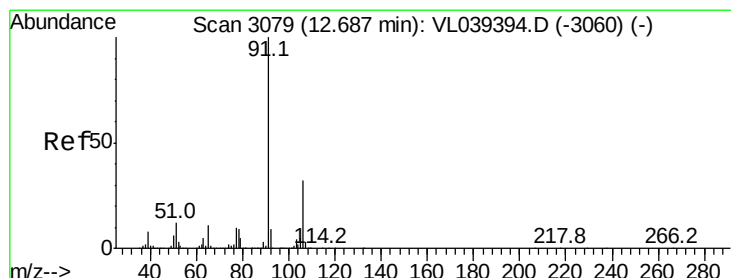
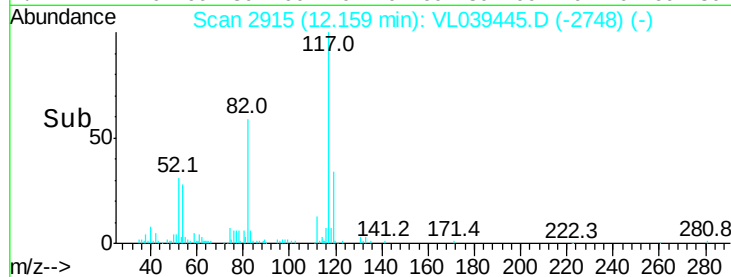
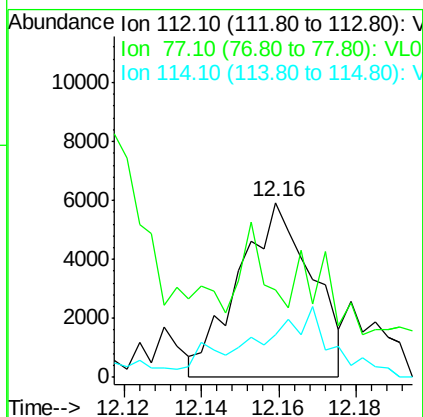
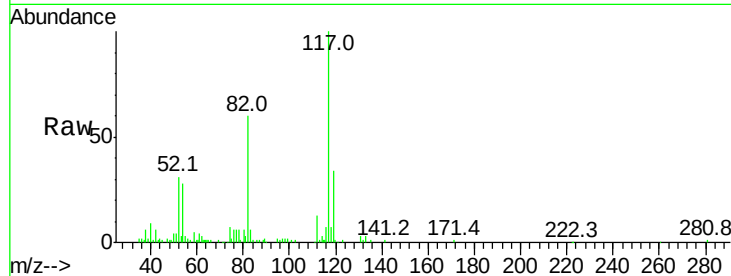
119 34.2 24.1 36.1





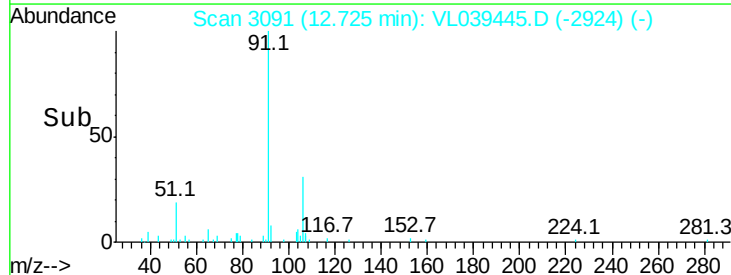
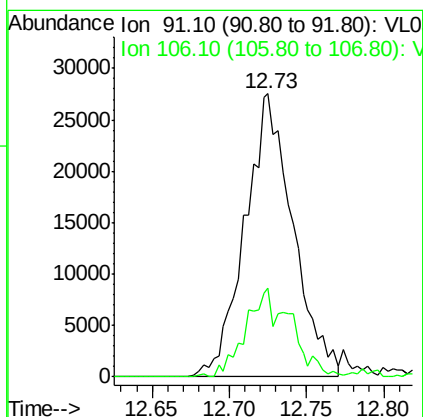
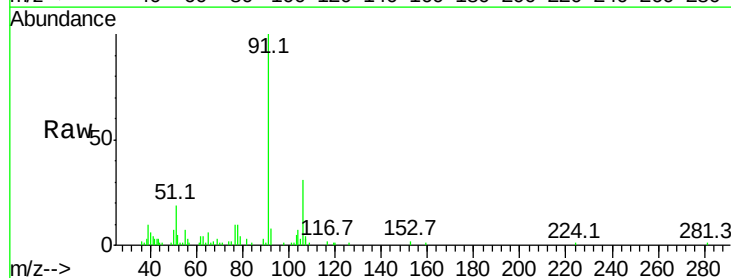
#57
Chlorobenzene
Concen: 0.03 ppbv
RT: 12.16 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 12 Jul 2022 12:26

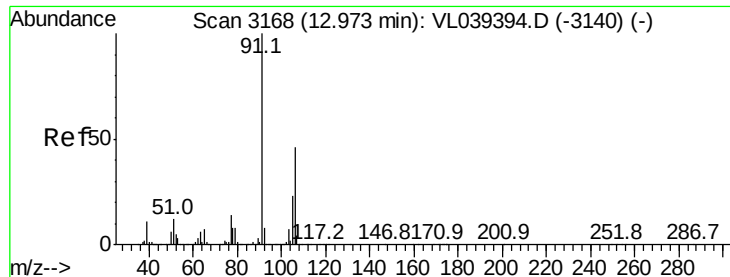
Tgt Ion: 112 Resp: 7788
Ion Ratio Lower Upper
112 100
77 22.6 51.0 76.4#
114 30.7 27.5 33.6



#58
Ethyl Benzene
Concen: 0.15 ppbv
RT: 12.73 min Scan# 3091
Delta R.T. 0.04 min
Lab File: VL039445.D
Acq: 12 Jul 2022 12:26

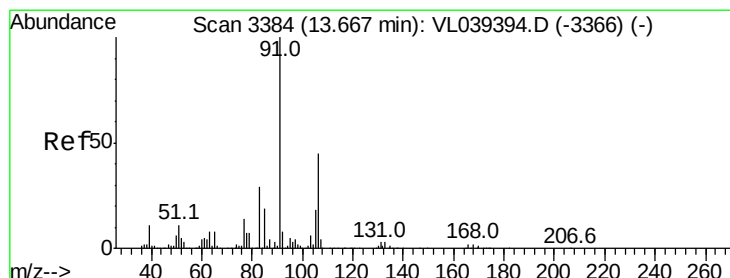
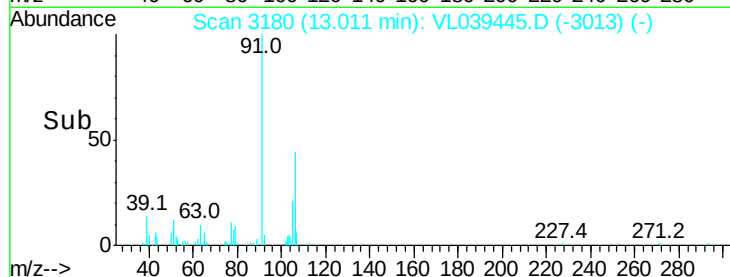
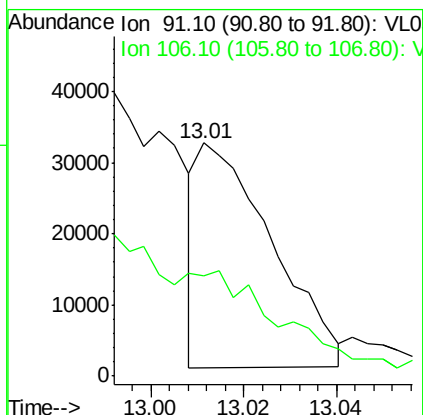
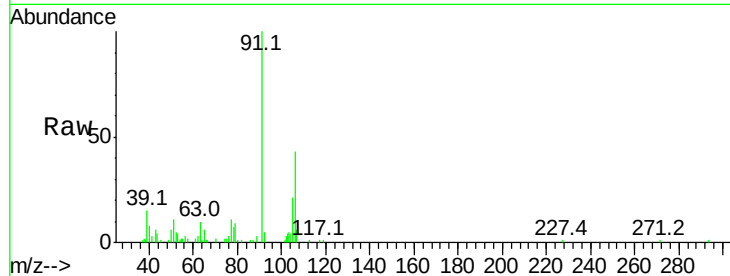
Tgt Ion: 91 Resp: 59260
Ion Ratio Lower Upper
91 100
106 31.4 25.4 38.0





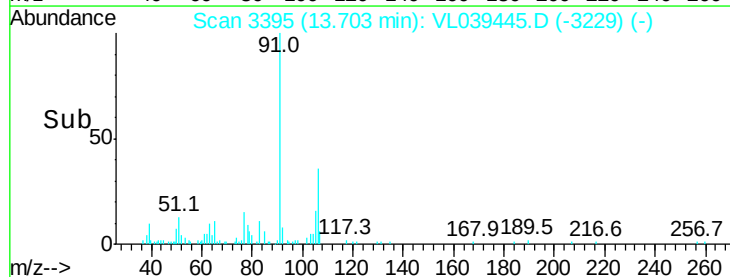
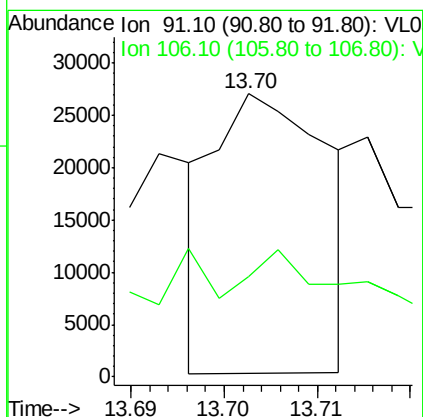
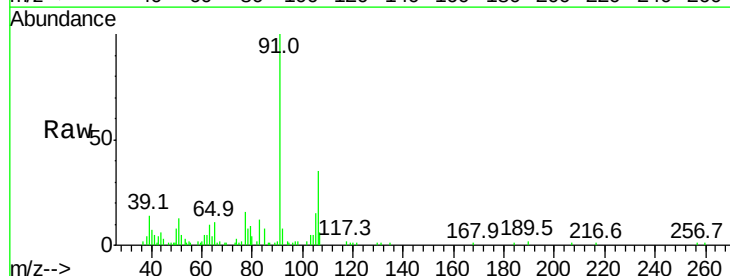
#59
m/p-Xylene
Concen: 0.10 ppbv
RT: 13.01 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 12 Jul 2022 12:26

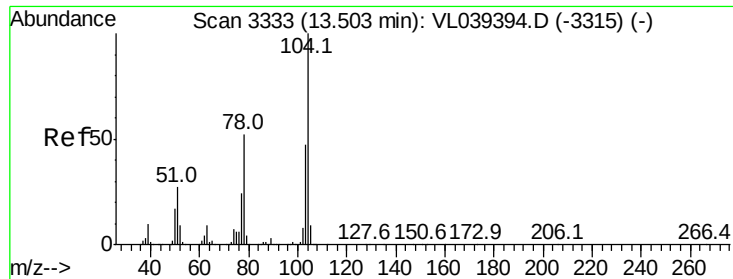
Tgt Ion: 91 Resp: 34782
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.2#



#60
o-Xylene
Concen: 0.07 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. 0.04 min
Lab File: VL039445.D
Acq: 12 Jul 2022 12:26

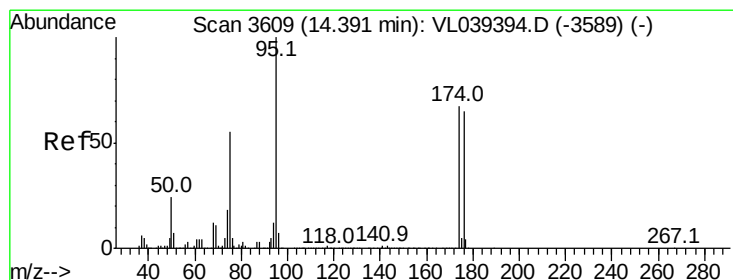
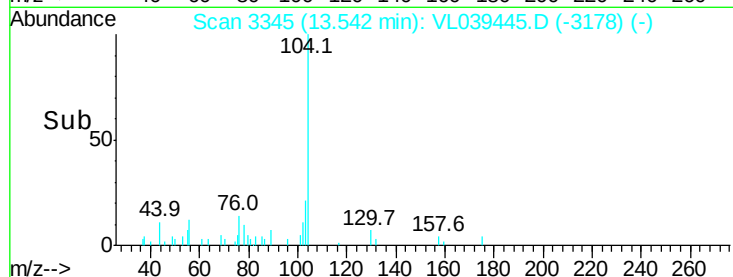
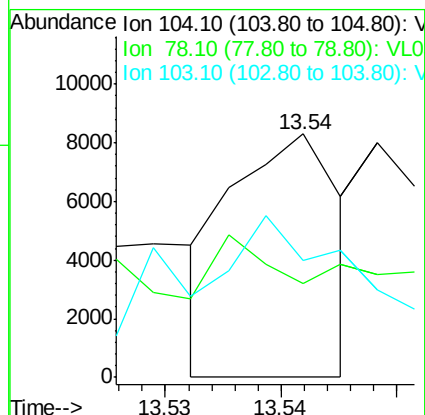
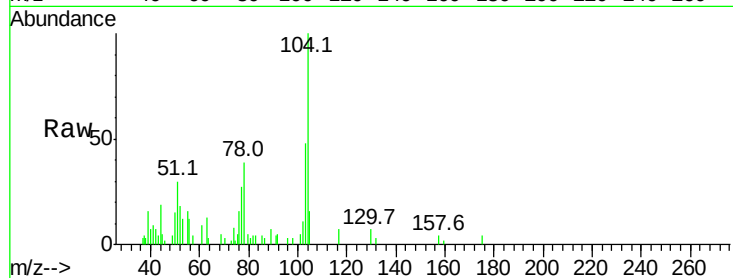
Tgt Ion: 91 Resp: 22623
Ion Ratio Lower Upper
91 100
106 0.0 22.4 67.3#





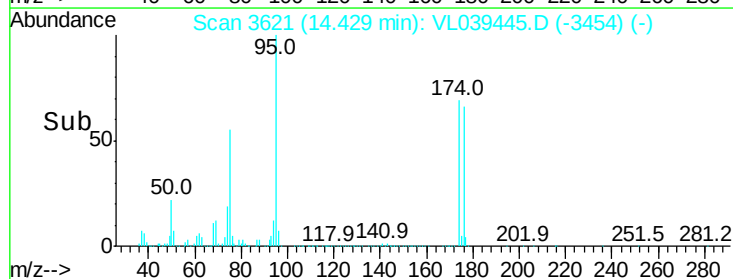
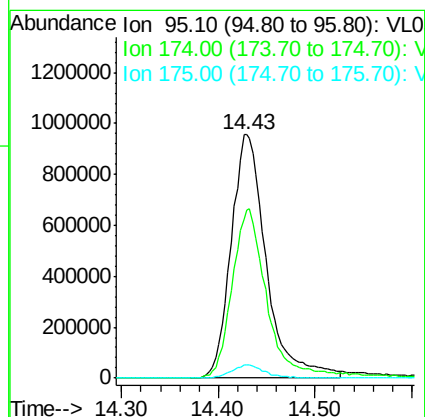
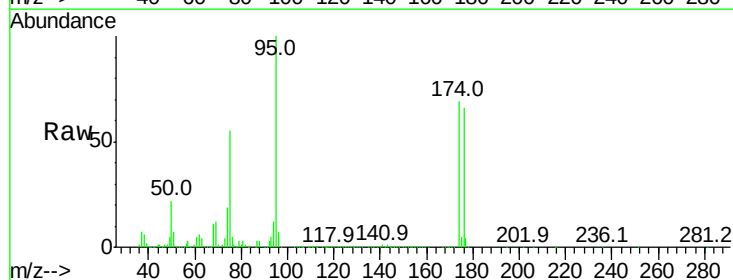
#61
 Styrene
 Concen: 0.03 ppbv
 RT: 13.54
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 12 Jul 2022 12:26

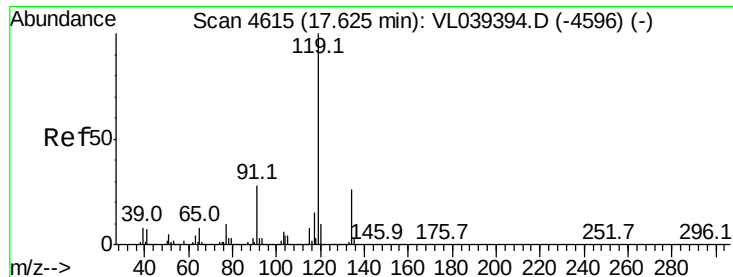
Tgt Ion: 104 Resp: 5450
 Ion Ratio Lower Upper
 104 100
 78 194.9 41.2 61.8#
 103 183.2 38.7 58.1#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.82 ppbv
 RT: 14.43 min Scan# 3621
 Delta R.T. 0.04 min
 Lab File: VL039445.D
 Acq: 12 Jul 2022 12:26

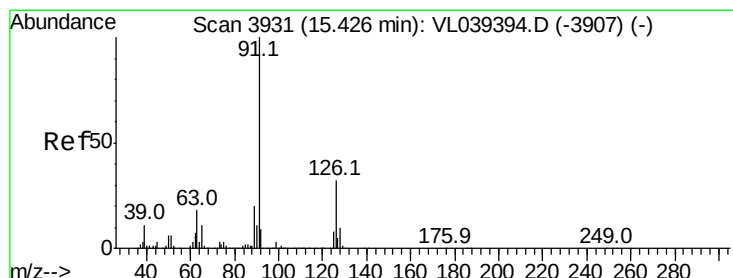
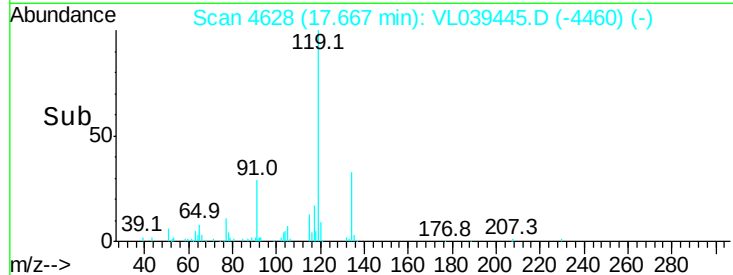
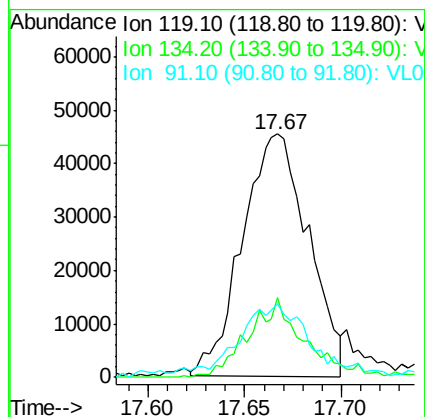
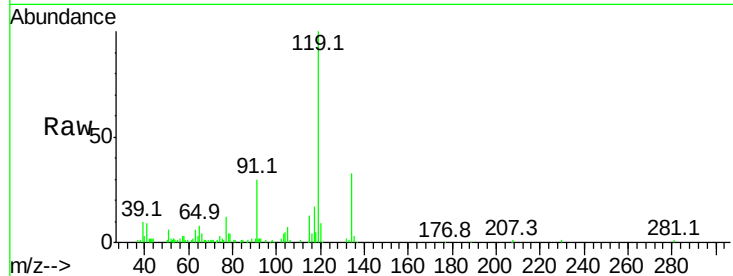
Tgt Ion: 95 Resp: 2418813
 Ion Ratio Lower Upper
 95 100
 174 70.5 55.9 83.9
 175 5.3 4.2 6.4





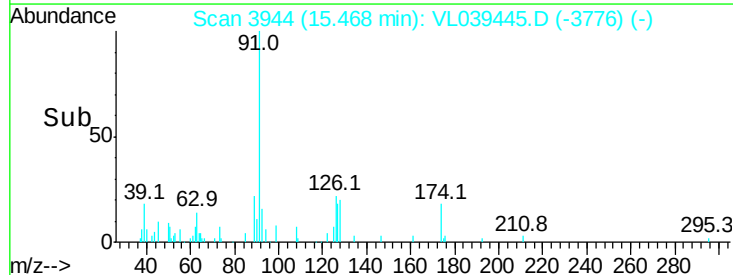
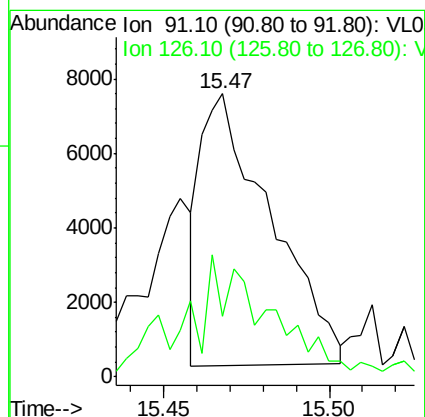
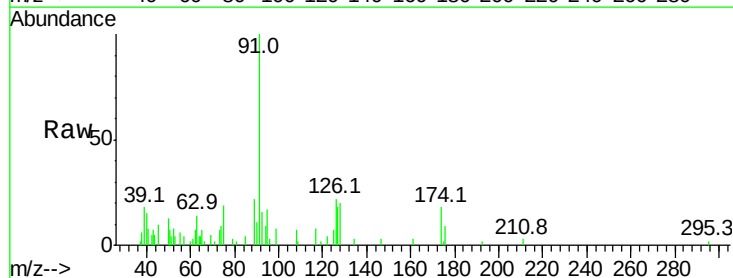
#69
 p-Isopropyltoluene
 Concen: 0.21 ppbv
 RT: 17.67 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 12 Jul 2022 12:26

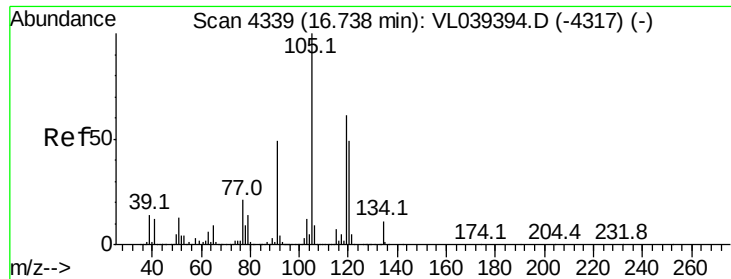
Tgt Ion:	119	Resp:	107526
Ion Ratio	Lower	Upper	
119	100		
134	28.9	20.3	30.5
91	33.3	22.9	34.3



#71
 2-Chlorotoluene
 Concen: 0.03 ppbv
 RT: 15.47 min Scan# 3944
 Delta R.T. 0.04 min
 Lab File: VL039445.D
 Acq: 12 Jul 2022 12:26

Tgt Ion:	91	Resp:	10690
Ion Ratio	Lower	Upper	
91	100		
126	58.1	13.0	51.8#





#74

1,2,4-Trimethylbenzene

Concen: 0.07 ppbv

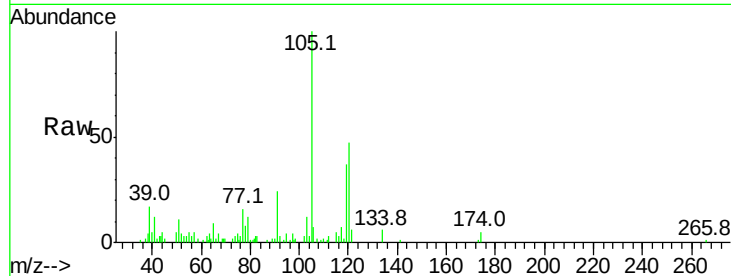
RT: 16.78

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

Acq: 12 Jul 2022 12:26

Tgt Ion:	105	Resp:	27996
Ion Ratio	Lower	Upper	
105	100		
120	47.1	39.5	59.3
91	20.6	39.2	58.8#
77	11.3	17.2	25.8#

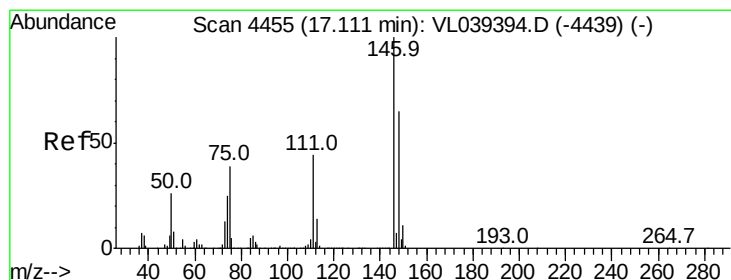
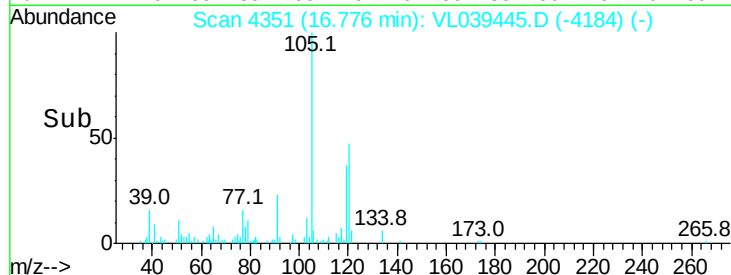
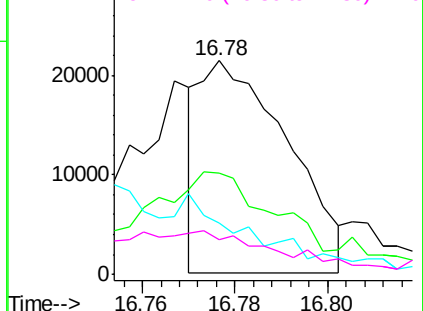


Abundance Ion 105.10 (104.80 to 105.80): V

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



#76

1,4-Dichlorobenzene

Concen: 0.09 ppbv

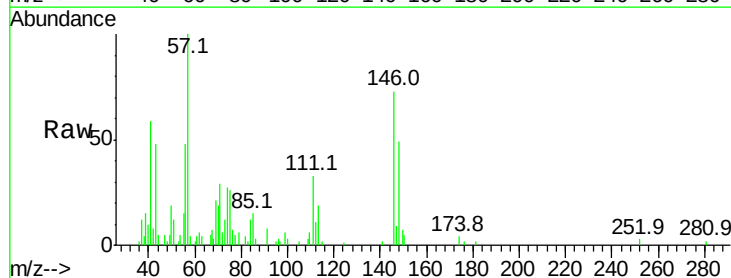
RT: 17.16 min Scan# 4469

Delta R.T. 0.04 min

Lab File: VL039445.D

Acq: 12 Jul 2022 12:26

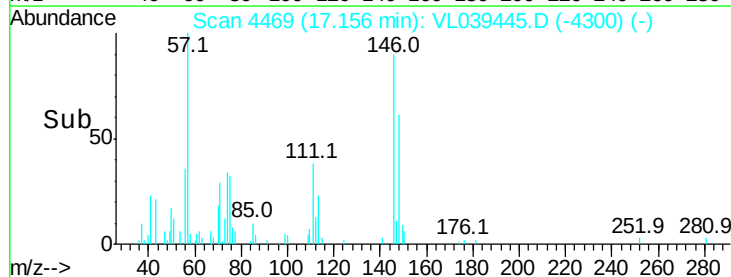
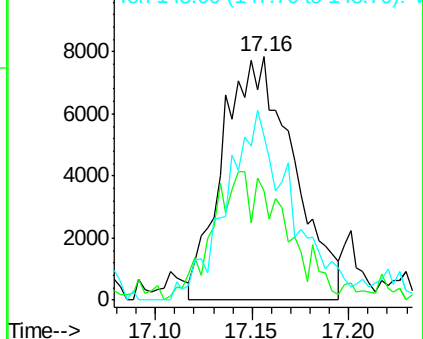
Tgt Ion:	146	Resp:	19943
Ion Ratio	Lower	Upper	
146	100		
111	58.0	22.9	68.8
148	73.1	33.6	100.8

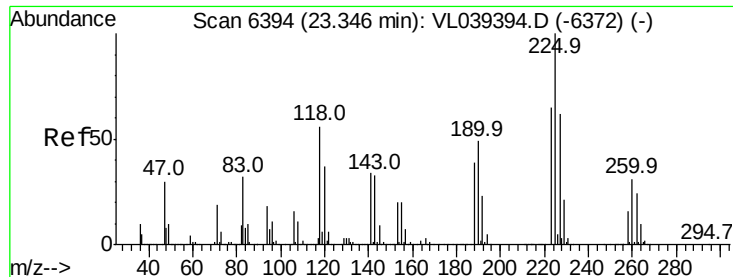


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#78

Hexachloro-1,3-Butadiene

Concen: 0.13 ppbv

RT: 23.39

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 12 Jul 2022 12:26

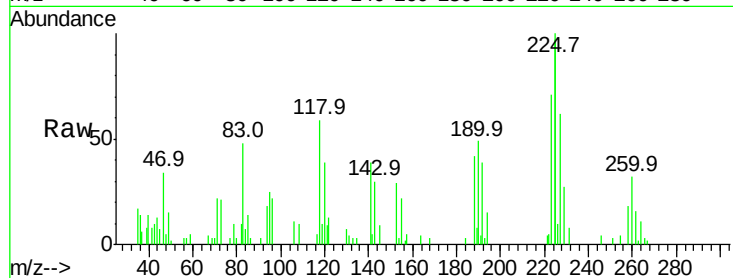
Tgt Ion: 225 Resp: 24013

Ion Ratio Lower Upper

225 100

223 62.8 51.8 77.6

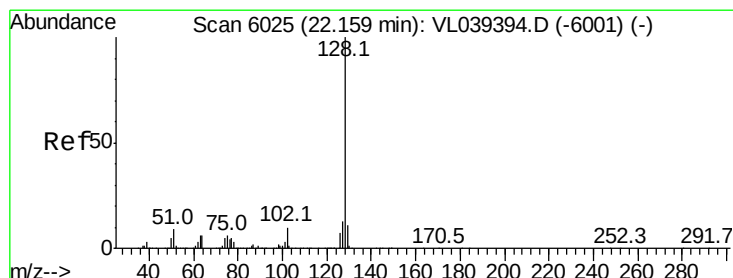
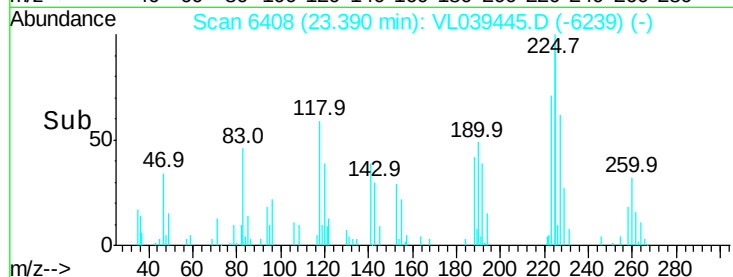
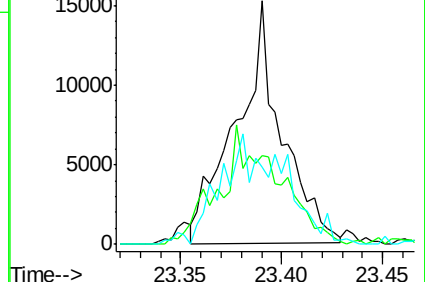
227 63.3 51.4 77.2



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: 0.12 ppbv

RT: 22.22 min Scan# 6044

Delta R.T. 0.06 min

Lab File: VL039445.D

Acq: 12 Jul 2022 12:26

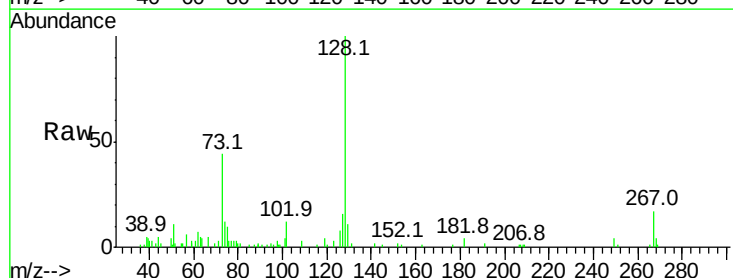
Tgt Ion: 128 Resp: 30771

Ion Ratio Lower Upper

128 100

127 17.4 10.6 15.8#

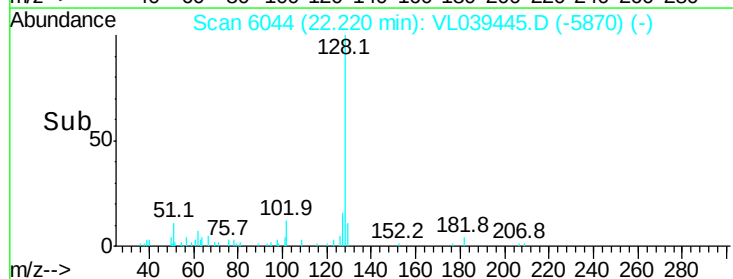
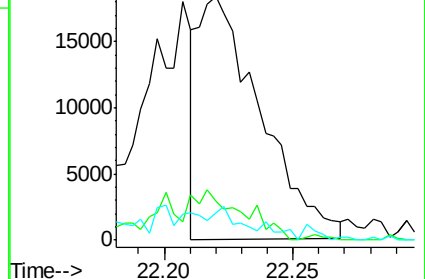
129 10.9 8.8 13.2

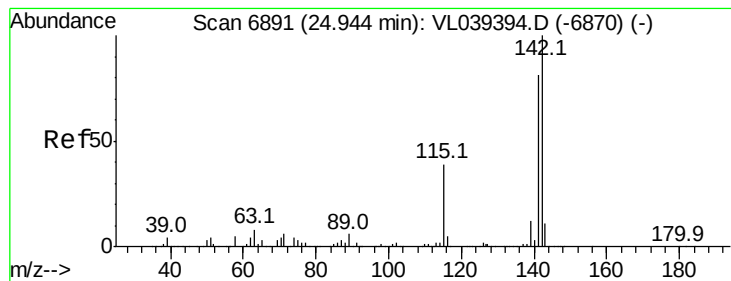


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V





#80

Naphthalene, 2-methyl-

Concen: 0.13 ppbv

RT: 24.98

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 12 Jul 2022 12:20

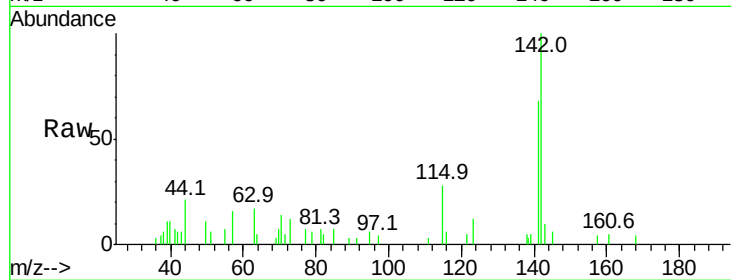
Tgt Ion: 142 Resp: 11610

Ion Ratio Lower Upper

142 100

141 81.9 68.9 103.3

115 43.5 30.0 45.0



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

