

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050922\
 Data File : VL039004.D
 Acq On : 10 May 2022 2:20
 Operator : SY/AP
 Sample : N2696-02DL 5X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

Quant Time: May 10 05:48:02 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	1082786	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	3051354	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.05	117	2748228	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.38	95	2019514	9.28	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.80%

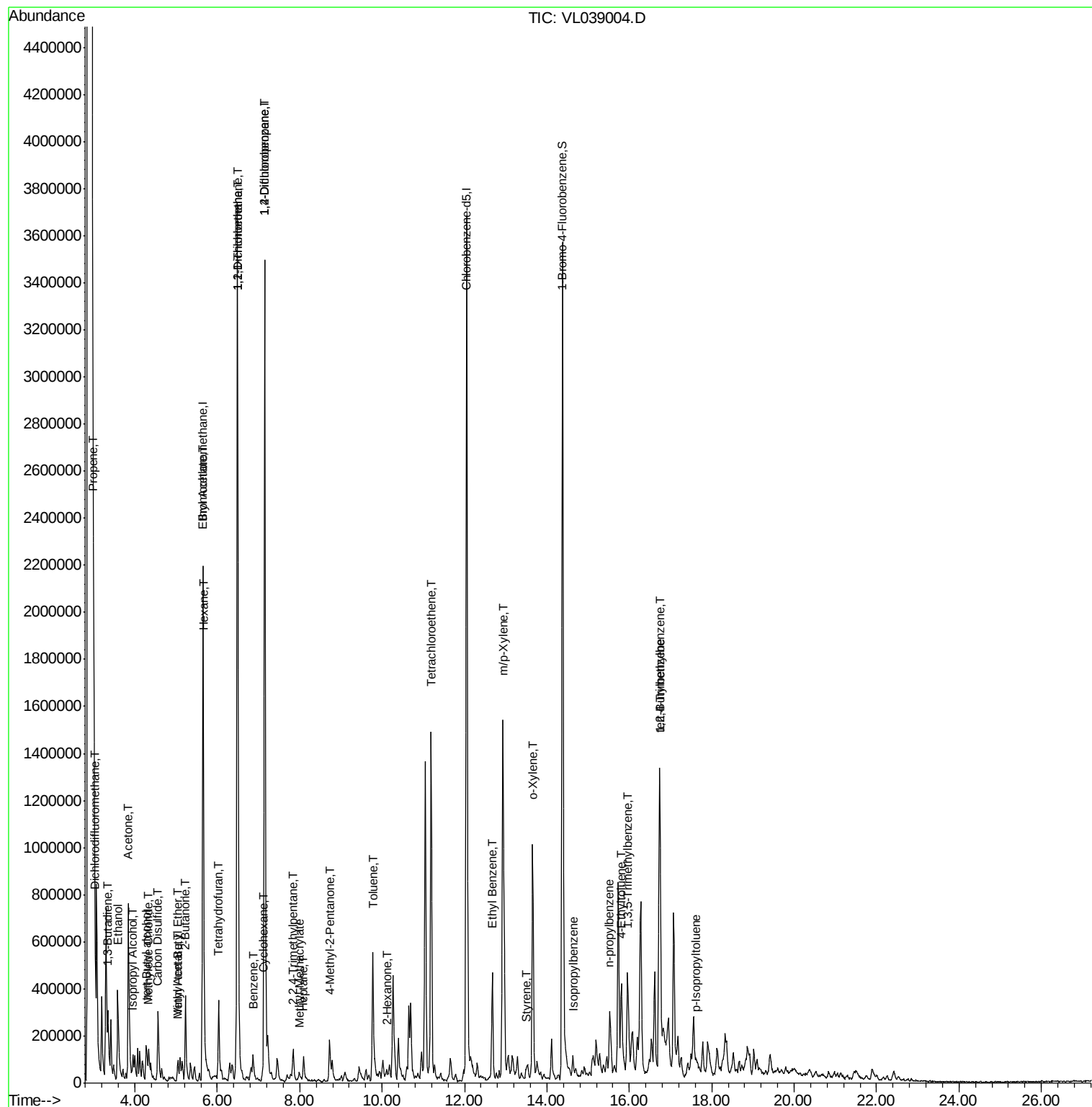
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	16131	0.095	ppbv	89
9) Propene	3.00	41	504978	8.606	ppbv	95
10) Heptane	8.10	43	52517	0.365	ppbv	95
13) Ethanol	3.58	45	510685	122.987	ppbv	88
15) Acetone	3.84	43	900987	8.821	ppbv	94
16) 1,3-Butadiene	3.34	39	32094	0.547	ppbv #	1
17) tert-Butyl alcohol	4.28	59	126969	1.617	ppbv	96
19) Isopropyl Alcohol	3.96	45	35663	0.734	ppbv #	95
20) Methylene Chloride	4.33	84	42094	1.093	ppbv	90
23) Vinyl Acetate	5.05	43	18443	0.228	ppbv #	54
25) Ethyl Acetate	5.66	43	176808	0.723	ppbv	97
26) Hexane	5.67	57	109895	1.012	ppbv #	75
27) Carbon Disulfide	4.54	76	31515	0.305	ppbv #	85
28) Methyl tert-Butyl Ether	5.02	73	3113	0.038	ppbv #	52
30) Cyclohexane	7.11	84	18016	0.198	ppbv #	23
32) 1,1,1-Trichloroethane	6.49	97	2669867	15.194	ppbv	97
34) 2-Butanone	5.23	43	468741	3.011	ppbv	96
36) Benzene	6.87	78	92662	0.355	ppbv	93
37) 1,2-Dichloroethane	6.48	62	169022	1.046	ppbv #	1
39) 1,2-Dichloropropane	7.15	63	705763	6.946	ppbv #	25
41) Tetrahydrofuran	6.03	42	229000	2.189	ppbv	97
43) Methyl Methacrylate	7.98	69	6421	0.061	ppbv #	1
44) 2,2,4-Trimethylpentane	7.84	57	66851	0.146	ppbv #	31
50) 4-Methyl-2-Pentanone	8.73	43	142179	0.521	ppbv	89
51) 2-Hexanone	10.11	43	10782	0.054	ppbv #	28
52) Tetrachloroethene	11.19	164	398161	4.267	ppbv	91
53) Toluene	9.77	91	443222	1.514	ppbv	99
58) Ethyl Benzene	12.67	91	439205	1.110	ppbv	98
59) m/p-Xylene	12.93	91	1664597	4.930	ppbv	92
60) o-Xylene	13.65	91	844454	2.657	ppbv	97
61) Styrene	13.49	104	6372	0.038	ppbv #	24
62) Isopropylbenzene	14.63	105	39152	0.084	ppbv #	49
64) n-propylbenzene	15.53	120	34991	0.311	ppbv #	1
65) tert-Butylbenzene	16.73	119	57295	0.141	ppbv #	41
69) p-Isopropyltoluene	17.61	119	32391	0.069	ppbv #	88
72) 4-Ethyltoluene	15.80	105	260277	0.719	ppbv	96
73) 1,3,5-Trimethylbenzene	15.96	105	334915	1.027	ppbv	99
74) 1,2,4-Trimethylbenzene	16.73	105	778423	2.181	ppbv #	65

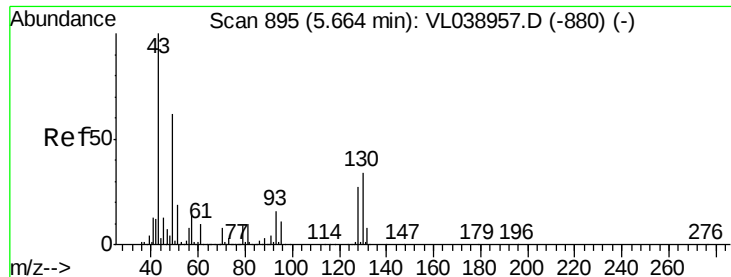
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_L

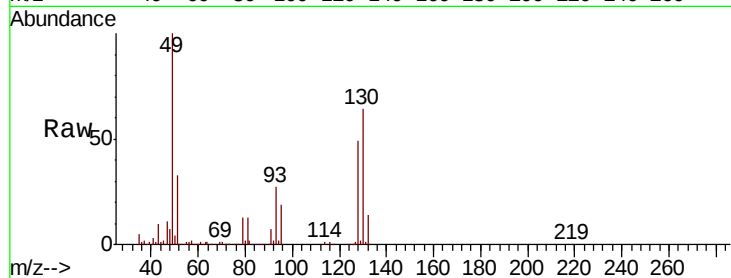
Delta R.T. ClientSampleId:

Lab File: SV2DL

Acq: 10 May 2022 2:20

Tot Ion: 49 Resp: 1082786

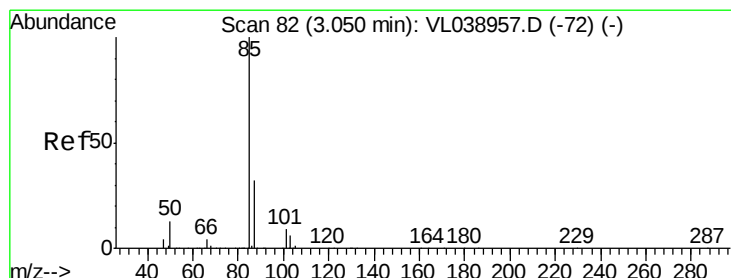
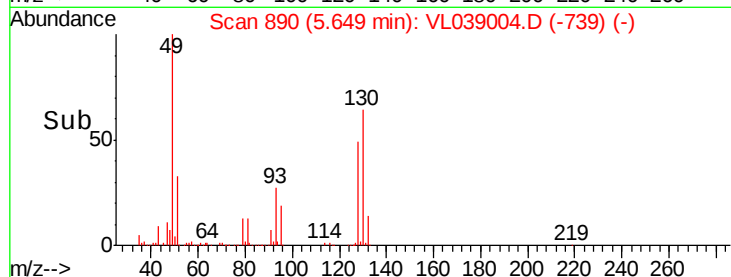
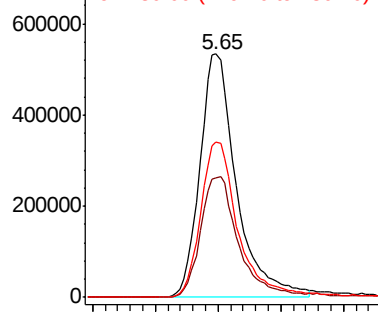
Ion	Ratio	Lower	Upper
49	100		
128	54.1	23.3	69.8
130	67.0	29.8	89.3



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.095 ppbv

RT: 3.04 min Scan# 79

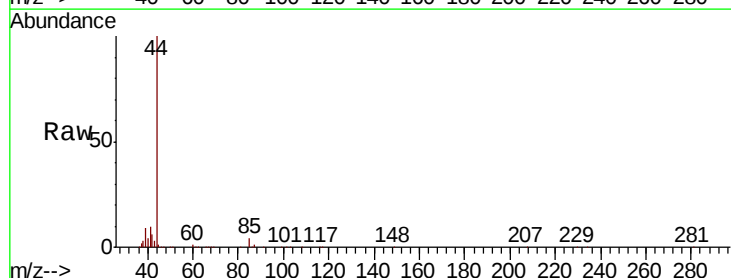
Delta R.T. -0.01 min

Lab File: VL039004.D

Acq: 10 May 2022 2:20

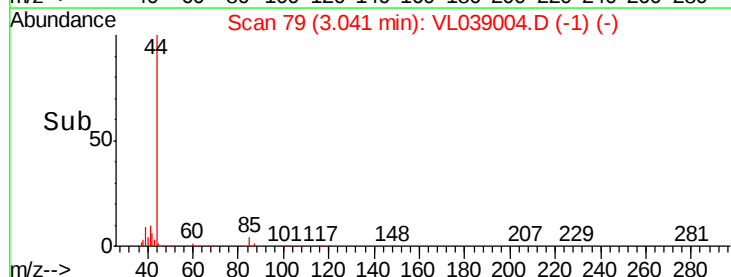
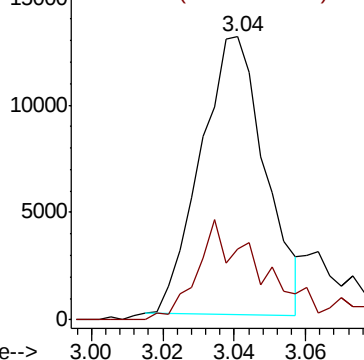
Tgt Ion: 85 Resp: 16131

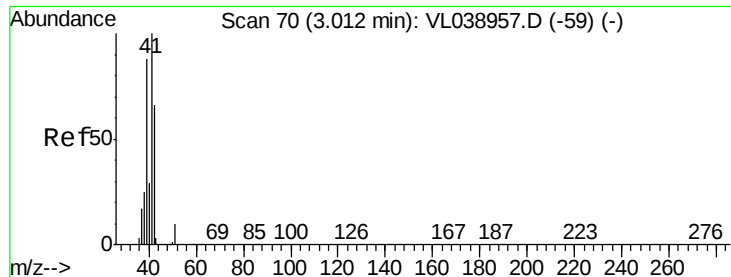
Ion	Ratio	Lower	Upper
85	100		
87	25.7	25.7	38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#9

Propene

Concen: 8.606 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

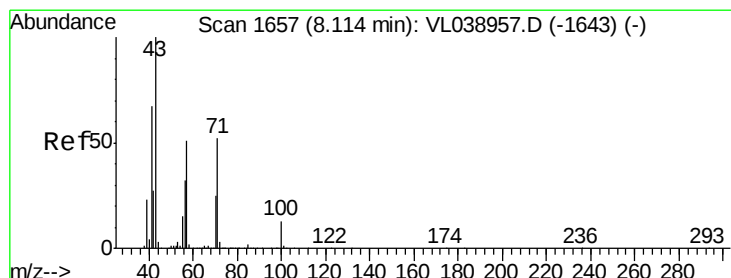
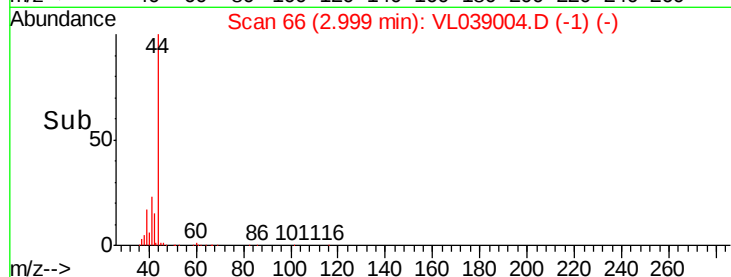
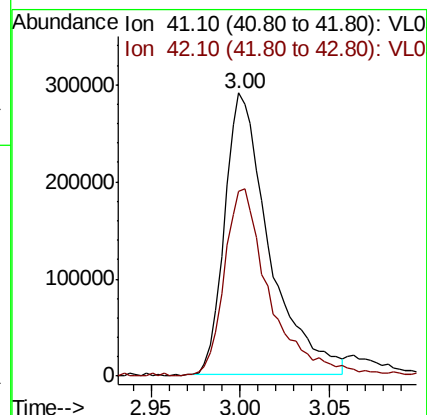
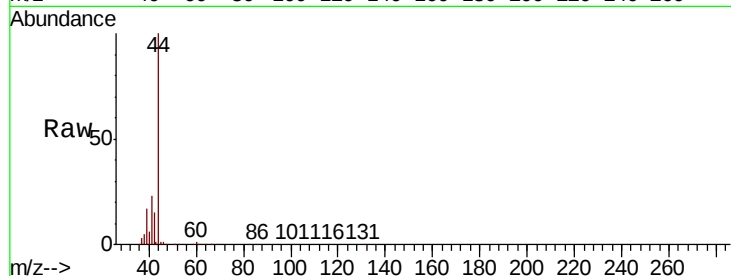
Acq: 10 May 2022 2:20

Tot Ion: 41 Resp: 504978

Ion Ratio Lower Upper

41 100

42 68.9 58.3 87.5



#10

Heptane

Concen: 0.365 ppbv

RT: 8.10 min Scan# 1651

Delta R.T. -0.02 min

Lab File: VL039004.D

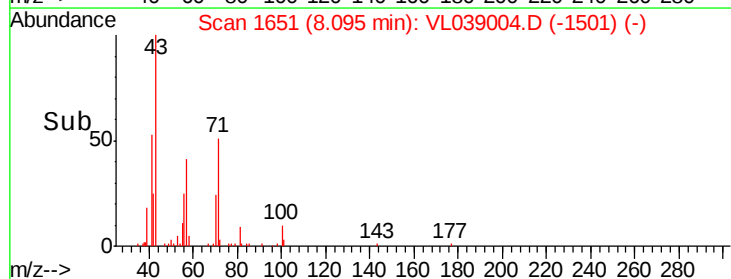
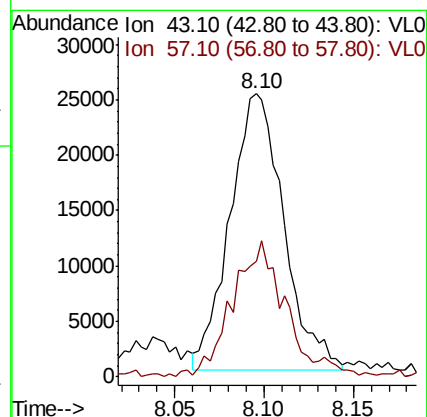
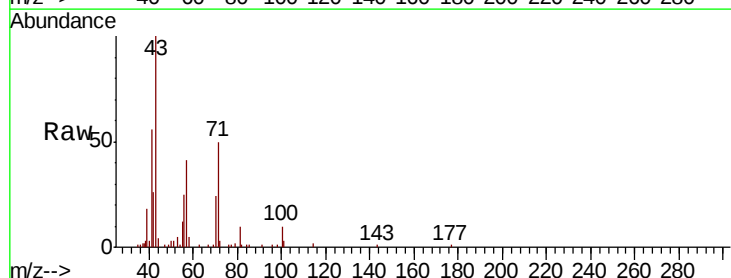
Acq: 10 May 2022 2:20

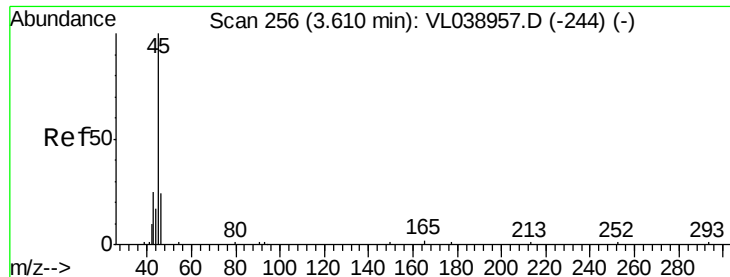
Tgt Ion: 43 Resp: 52517

Ion Ratio Lower Upper

43 100

57 47.0 40.5 60.7





#13

Ethanol

Concen: 122.987 ppbv

RT: 3.58

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

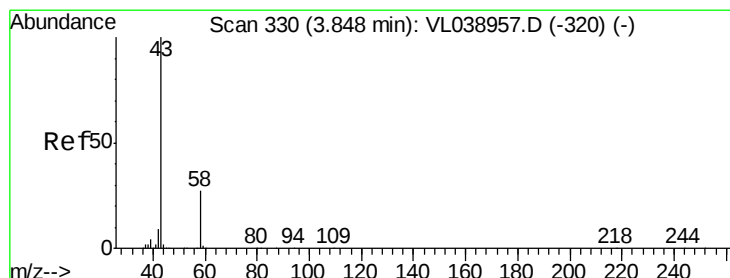
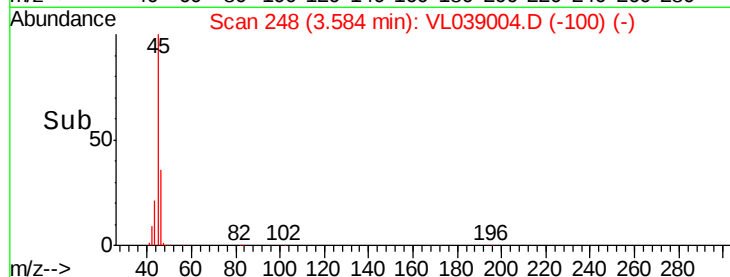
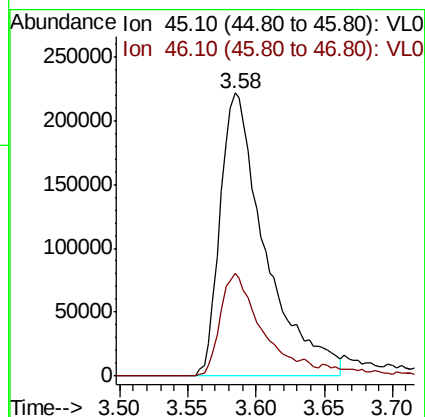
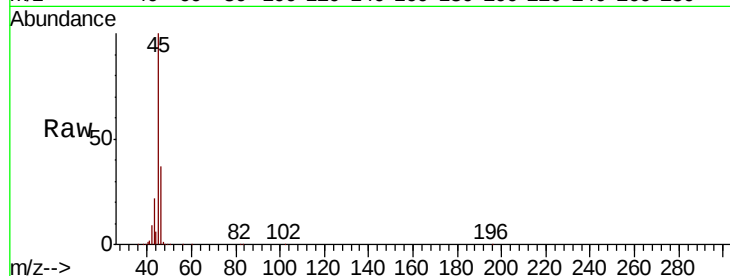
Acq: 10 May 2022 2:20

Tot Ion: 45 Resp: 510685

Ion Ratio Lower Upper

45 100

46 37.2 18.0 72.2



#15

Acetone

Concen: 8.821 ppbv

RT: 3.84 min Scan# 327

Delta R.T. -0.01 min

Lab File: VL039004.D

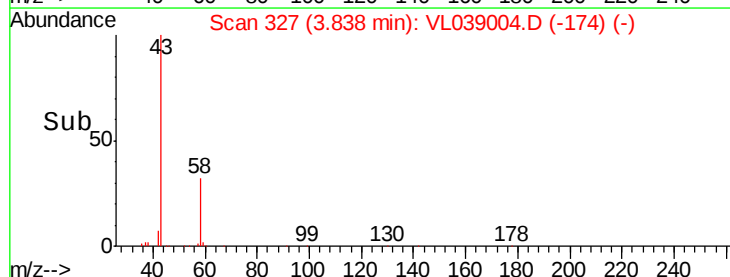
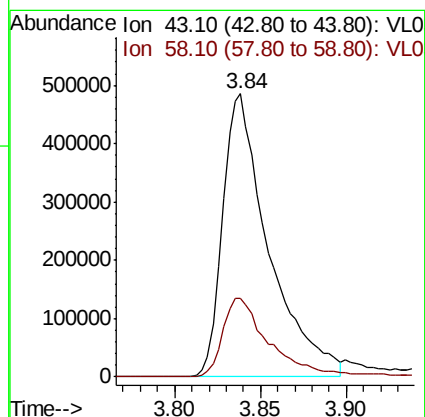
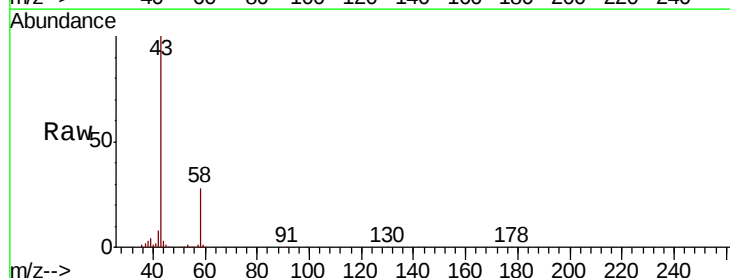
Acq: 10 May 2022 2:20

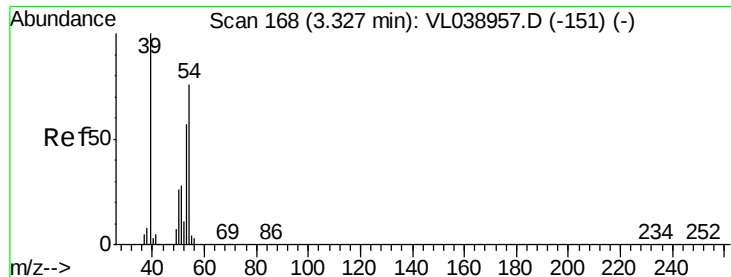
Tgt Ion: 43 Resp: 900987

Ion Ratio Lower Upper

43 100

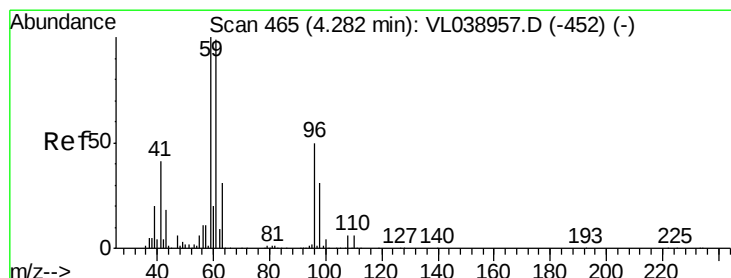
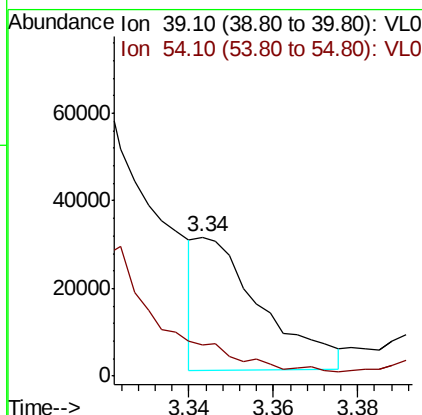
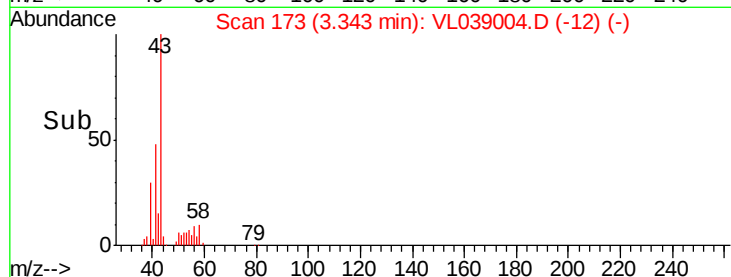
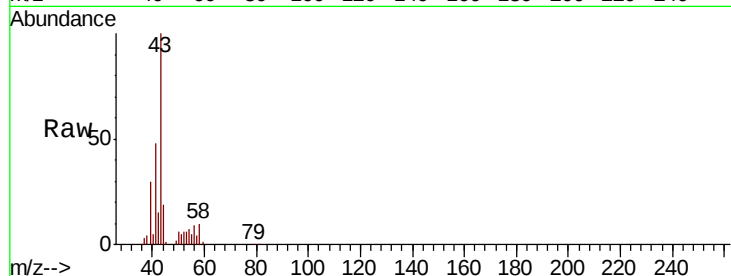
58 29.6 21.3 31.9





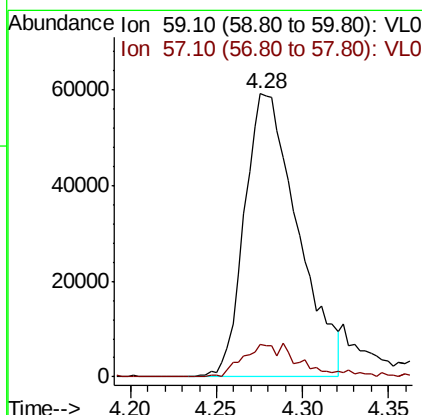
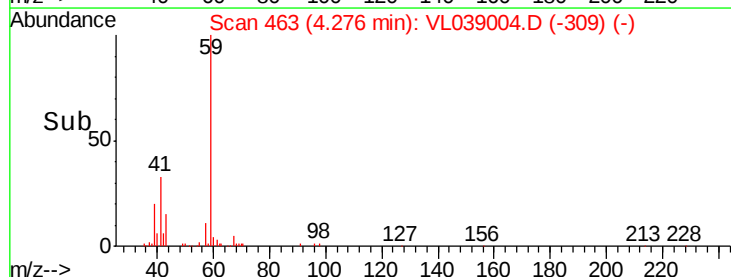
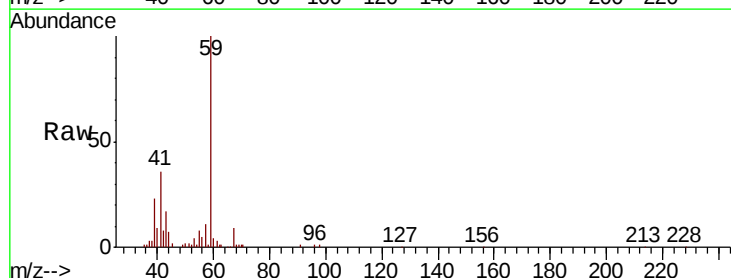
#16
 1,3-Butadiene
 Concen: 0.547 ppbv
 RT: 3.34
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SV2DL
 Acq: 10 May 2022 2:20

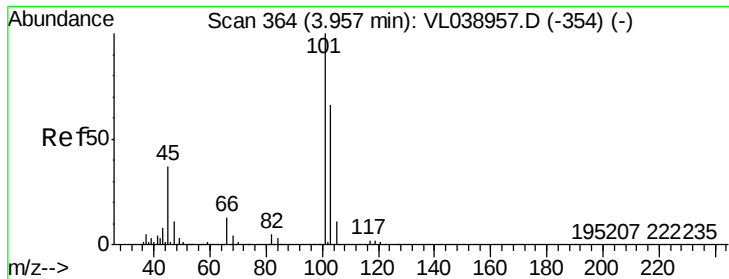
Tot Ion: 39 Resp: 32094
 Ion Ratio Lower Upper
 39 100
 54 187.4 65.2 97.8#



#17
 tert-Butyl alcohol
 Concen: 1.617 ppbv
 RT: 4.28 min Scan# 463
 Delta R.T. -0.01 min
 Lab File: VL039004.D
 Acq: 10 May 2022 2:20

Tgt Ion: 59 Resp: 126969
 Ion Ratio Lower Upper
 59 100
 57 13.1 9.2 13.8





#19

Isopropyl Alcohol

Concen: 0.734 ppbv

RT: 3.96 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

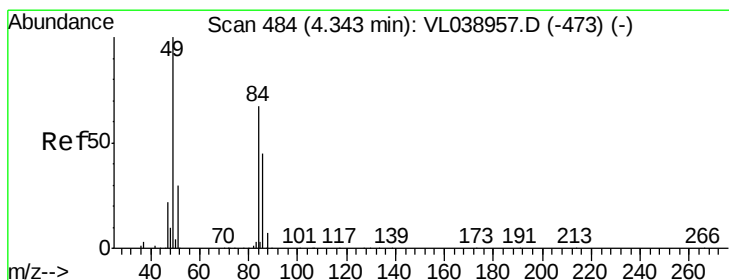
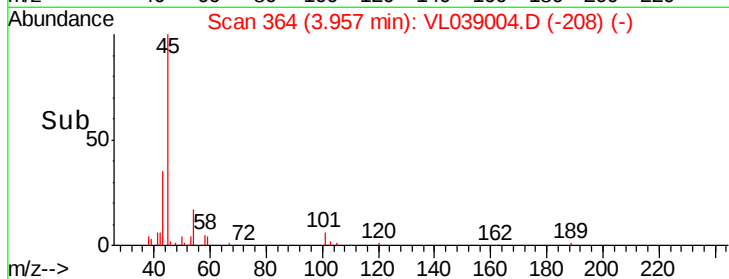
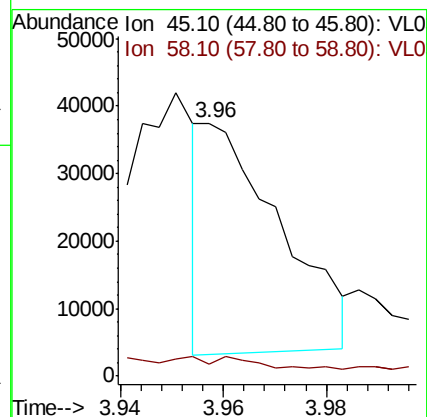
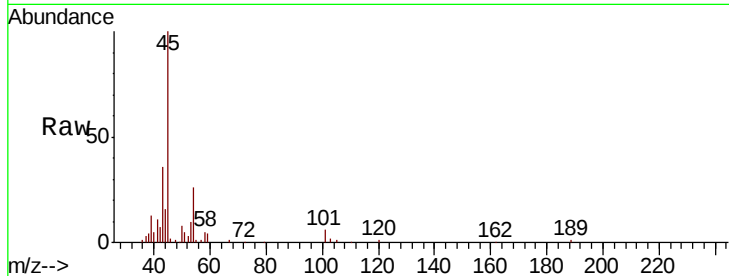
Acq: 10 May 2022 2:20

Tot Ion: 45 Resp: 35663

Ion Ratio Lower Upper

45 100

58 0.0 1.4 2.2#



#20

Methylene Chloride

Concen: 1.093 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.01 min

Lab File: VL039004.D

Acq: 10 May 2022 2:20

Tgt Ion: 84 Resp: 42094

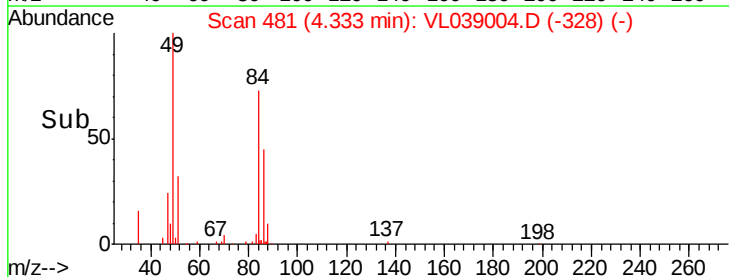
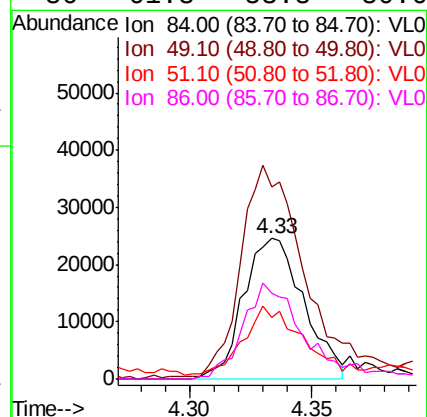
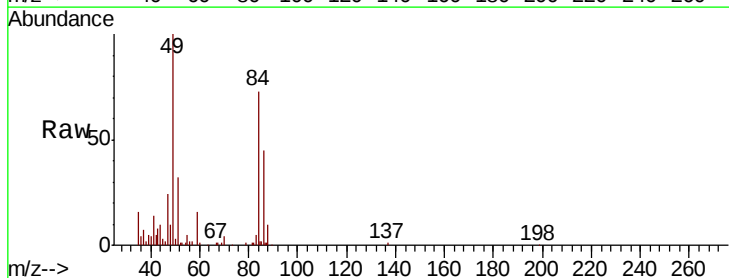
Ion Ratio Lower Upper

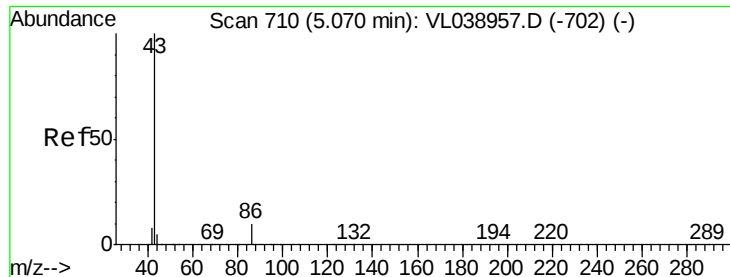
84 100

49 135.3 119.9 179.9

51 39.6 35.7 53.5

86 61.3 53.8 80.6





#23

Vinyl Acetate

Concen: 0.228 ppbv

RT: 5.05 Instrument: MSVOA_1

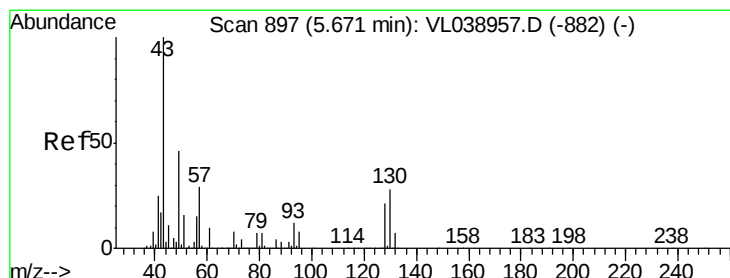
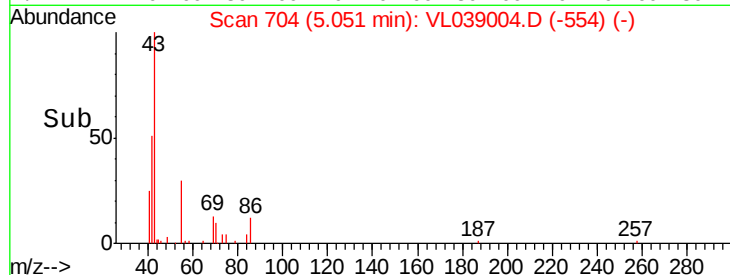
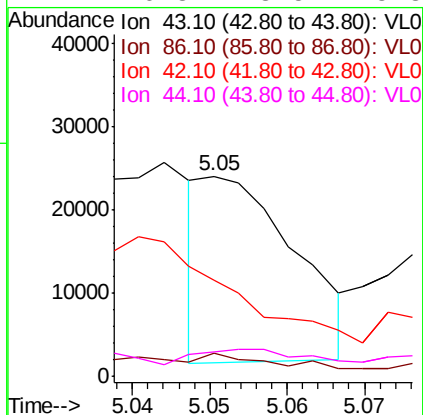
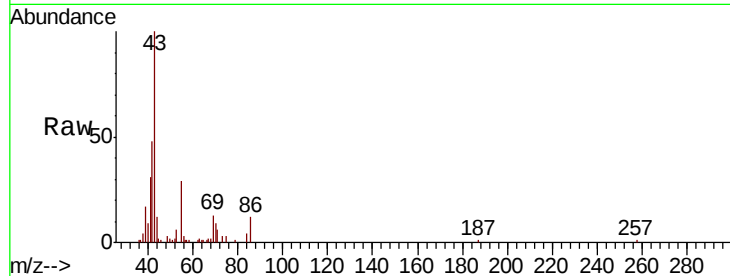
Delta R.T.

Lab File: ClientSampleId:

Acq: 10 May 2022 2:20

Tot Ion: 43 Resp: 18443

Ion	Ratio	Lower	Upper
43	100		
86	13.2	6.6	9.8#
42	43.0	8.1	12.1#
44	6.8	3.5	5.3#



#25

Ethyl Acetate

Concen: 0.723 ppbv

RT: 5.66 min Scan# 894

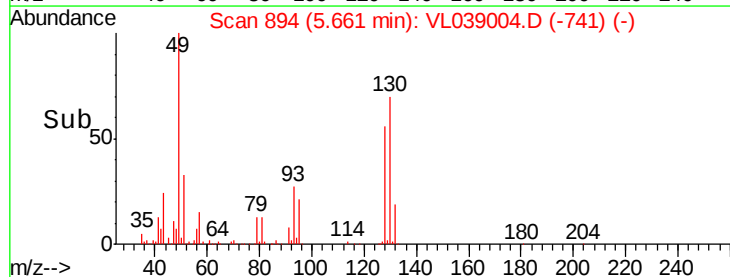
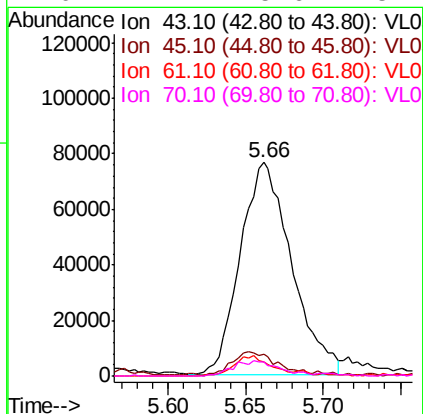
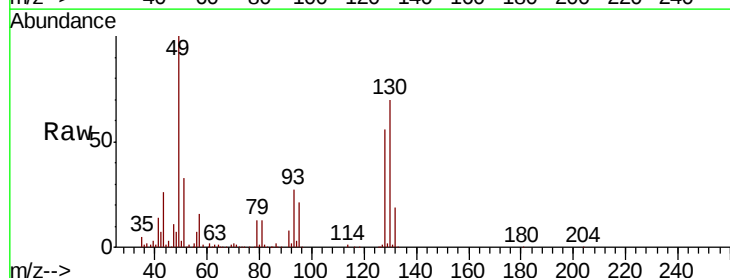
Delta R.T. -0.01 min

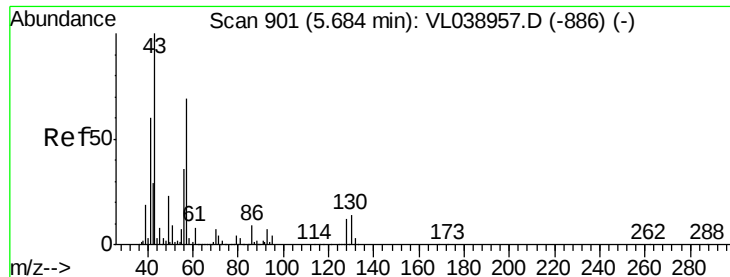
Lab File: VL039004.D

Acq: 10 May 2022 2:20

Tgt Ion: 43 Resp: 176808

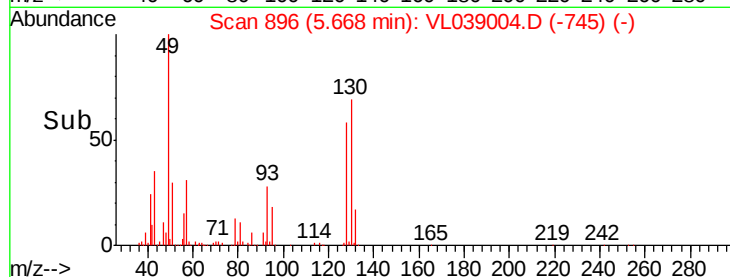
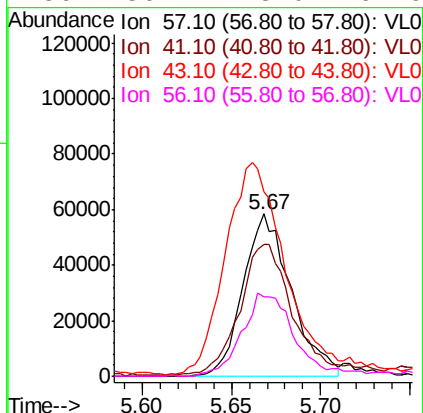
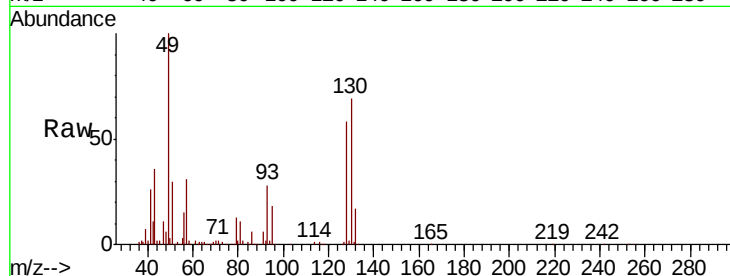
Ion	Ratio	Lower	Upper
43	100		
45	11.6	8.1	12.1
61	7.8	7.8	11.6
70	7.1	5.6	8.4





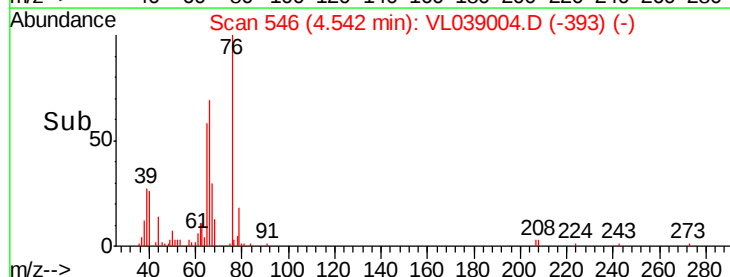
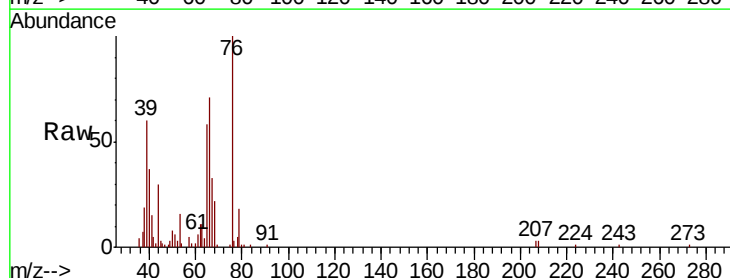
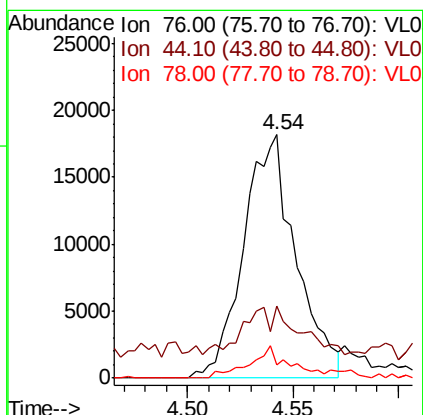
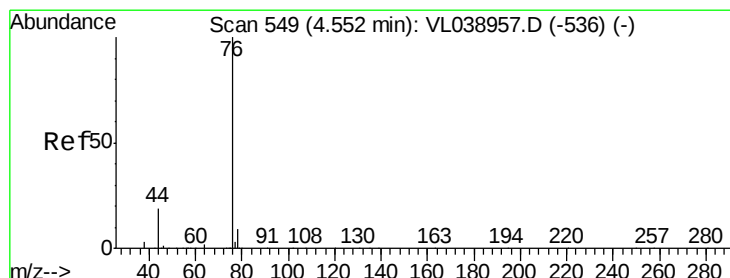
#26
Hexane
Concen: 1.012 ppbv
RT: 5.67
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SV2DL
Acq: 10 May 2022 2:20

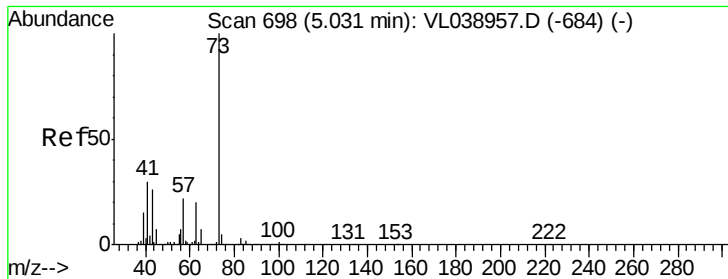
Tot Ion:	57	Resp:	109895
Ion	Ratio	Lower	Upper
57	100		
41	94.5	75.2	112.8
43	172.8	190.8	286.2#
56	56.7	43.0	64.6



#27
Carbon Disulfide
Concen: 0.305 ppbv
RT: 4.54 min Scan# 546
Delta R.T. -0.01 min
Lab File: VL039004.D
Acq: 10 May 2022 2:20

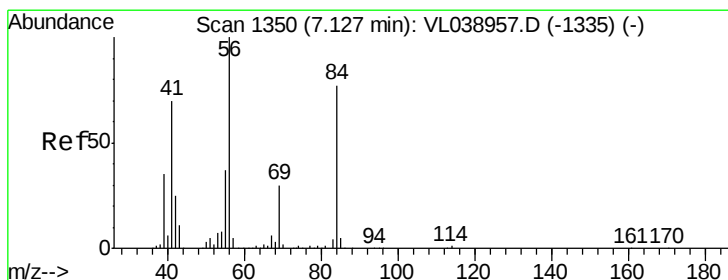
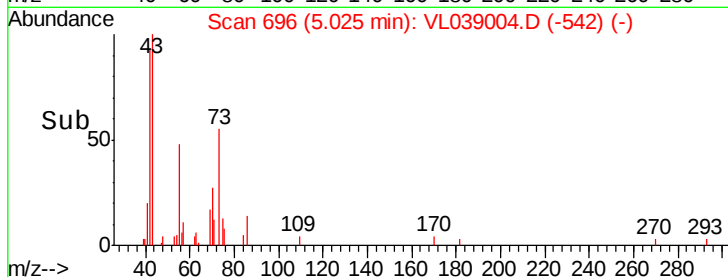
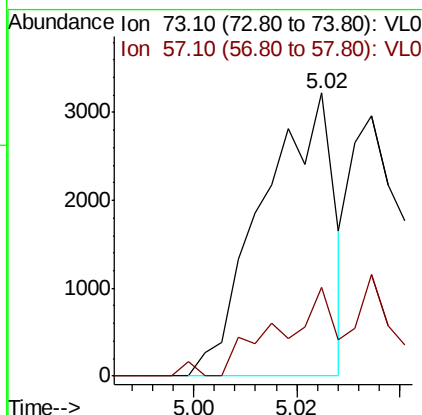
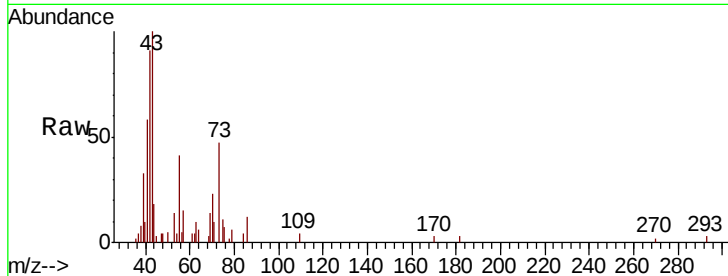
Tgt Ion:	76	Resp:	31515
Ion	Ratio	Lower	Upper
76	100		
44	28.4	15.3	22.9#
78	11.8	8.2	12.2





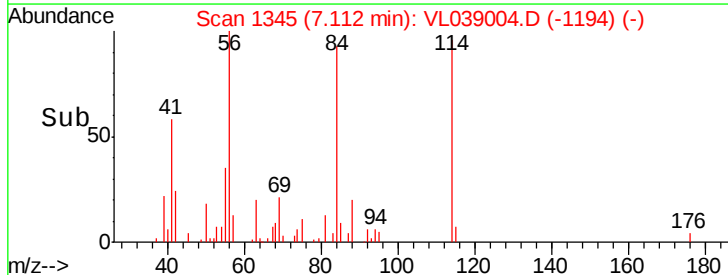
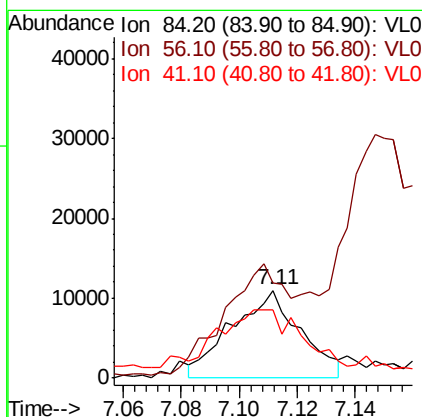
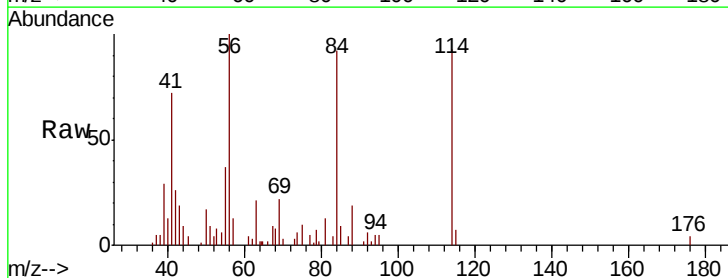
#28
Methvl tert-Butvl Ether
Concen: 0.038 ppbv
RT: 5.02
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SV2DL
Acq: 10 May 2022 2:20

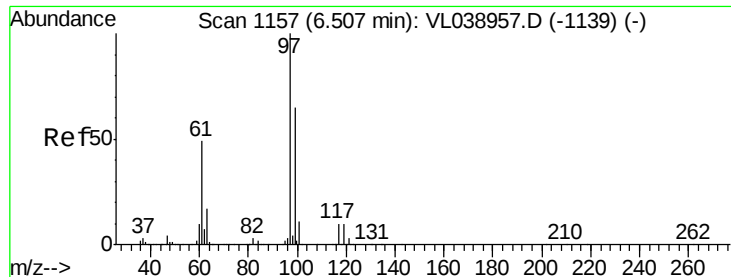
Tot Ion: 73 Resp: 3113
Ion Ratio Lower Upper
73 100
57 0.0 18.8 28.2#



#30
Cyclohexane
Concen: 0.198 ppbv
RT: 7.11 min Scan# 1345
Delta R.T. -0.02 min
Lab File: VL039004.D
Acq: 10 May 2022 2:20

Tgt Ion: 84 Resp: 18016
Ion Ratio Lower Upper
84 100
56 0.0 115.3 172.9#
41 103.5 72.0 108.0





#32

1,1,1-Trichloroethane

Concen: 15.194 ppbv

RT: 6.49 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 10 May 2022 2:20 SV2DL

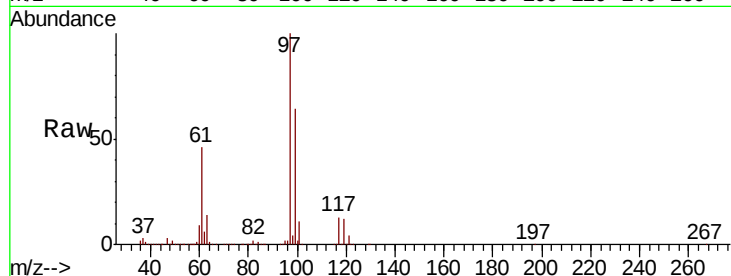
Tot Ion: 97 Resp: 2669867

Ion Ratio Lower Upper

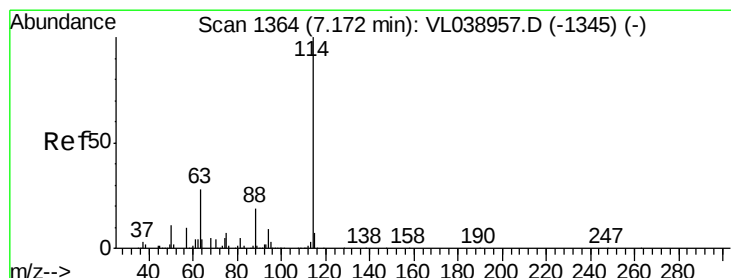
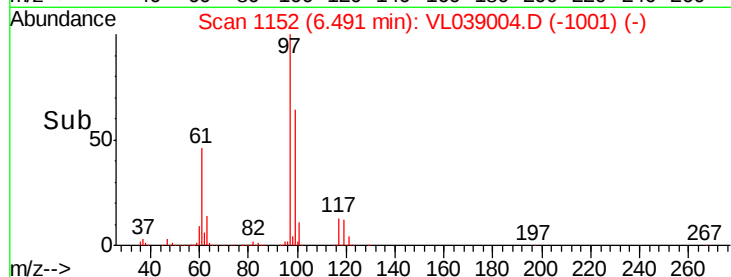
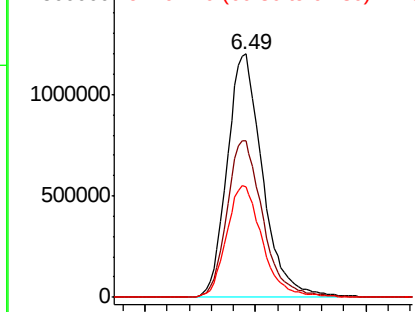
97 100

99 65.6 51.9 77.9

61 46.8 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 min Scan# 1357

Delta R.T. -0.02 min

Lab File: VL039004.D

Acq: 10 May 2022 2:20

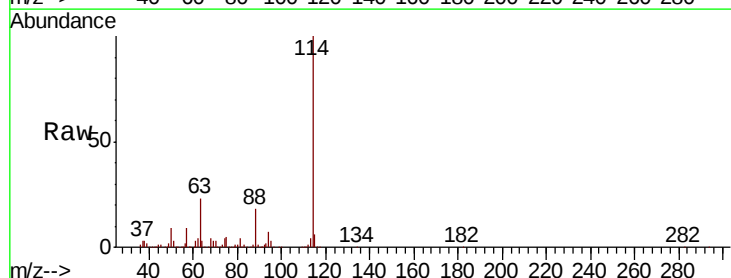
Tgt Ion: 114 Resp: 3051354

Ion Ratio Lower Upper

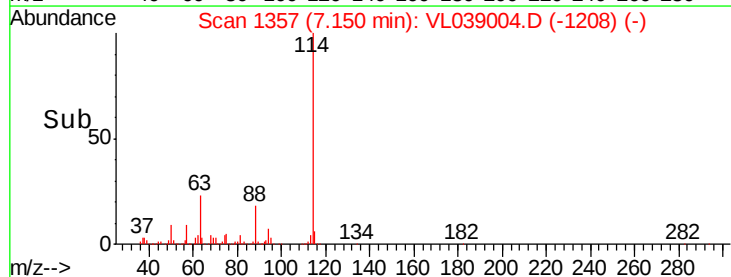
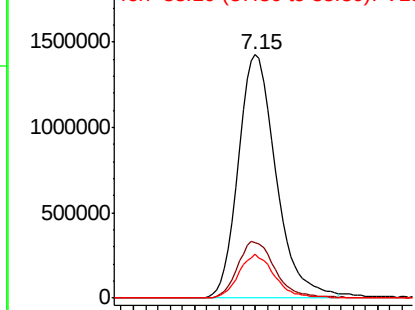
114 100

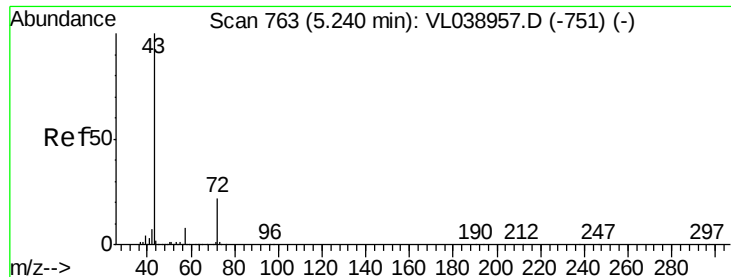
63 23.5 22.6 33.8

88 17.3 15.4 23.0



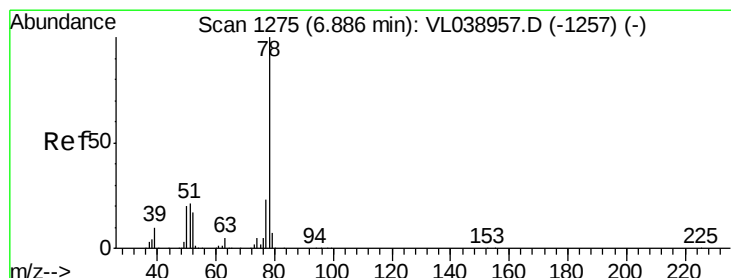
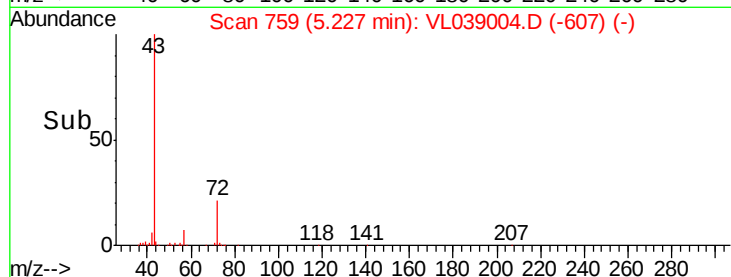
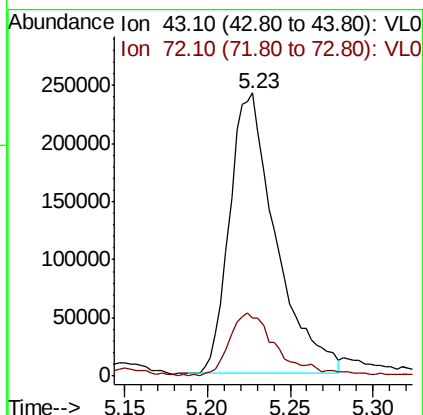
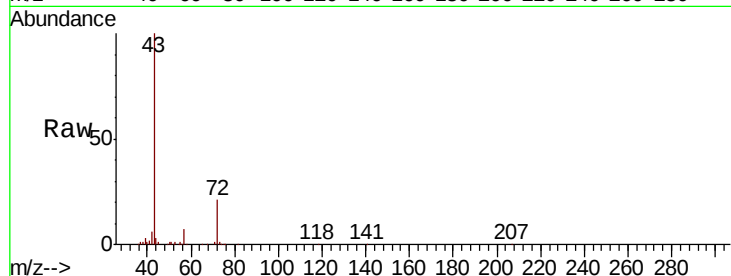
Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





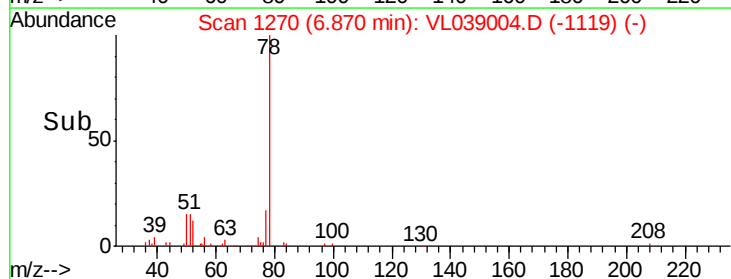
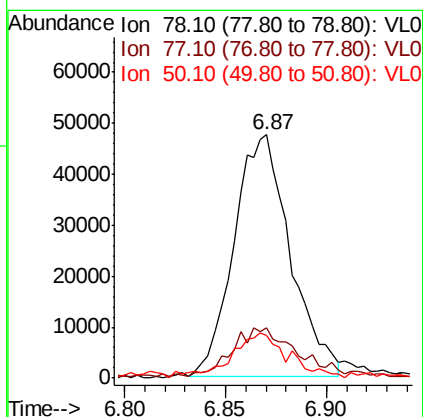
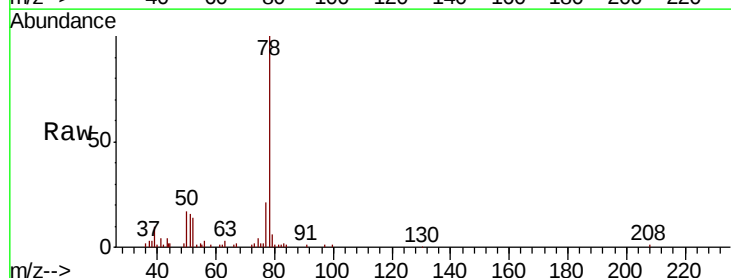
#34
 2-Butanone
 Concen: 3.011 ppbv
 RT: 5.23
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SV2DL
 Acq: 10 May 2022 2:20

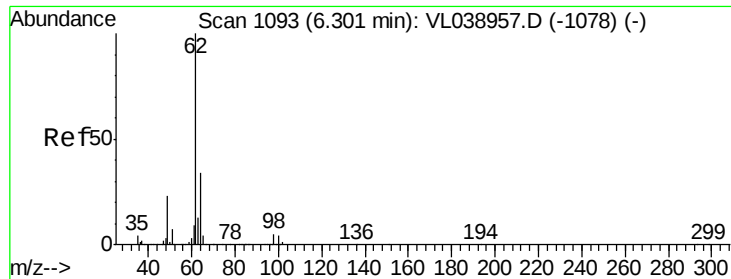
Tot Ion: 43 Resp: 468741
 Ion Ratio Lower Upper
 43 100
 72 24.0 17.8 26.6



#36
 Benzene
 Concen: 0.355 ppbv
 RT: 6.87 min Scan# 1270
 Delta R.T. -0.02 min
 Lab File: VL039004.D
 Acq: 10 May 2022 2:20

Tgt Ion: 78 Resp: 92662
 Ion Ratio Lower Upper
 78 100
 77 20.2 18.6 28.0
 50 16.0 15.6 23.4





#37

1,2-Dichloroethane

Concen: 1.046 ppbv

RT: 6.48 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

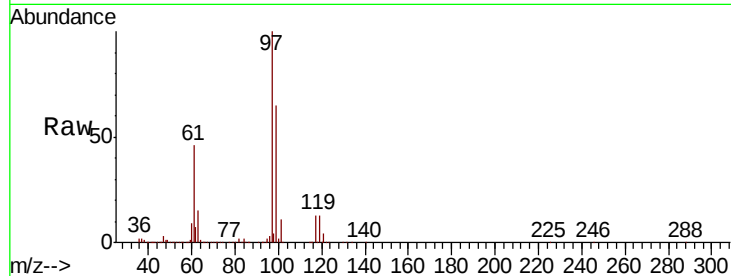
Acq: 10 May 2022 2:20 SV2DL

Tot Ion: 62 Resp: 169022

Ion Ratio Lower Upper

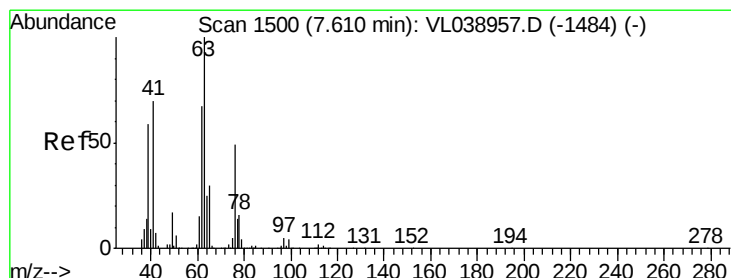
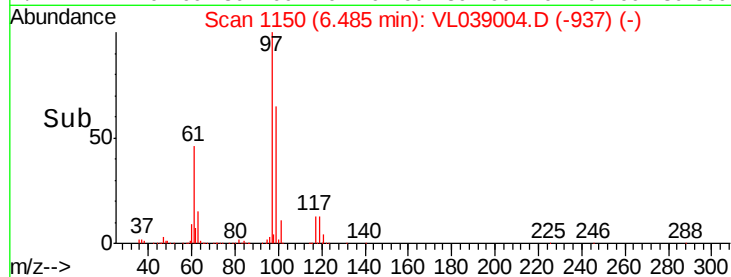
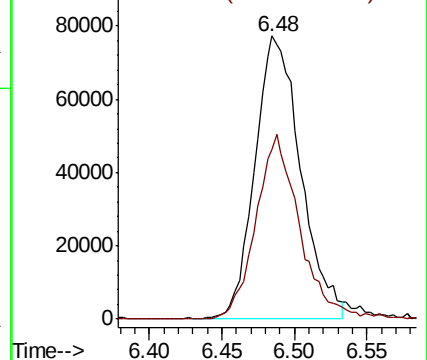
62 100

98 63.2 4.5 6.7#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#39

1,2-Dichloropropane

Concen: 6.946 ppbv

RT: 7.15 min Scan# 1356

Delta R.T. -0.46 min

Lab File: VL039004.D

Acq: 10 May 2022 2:20

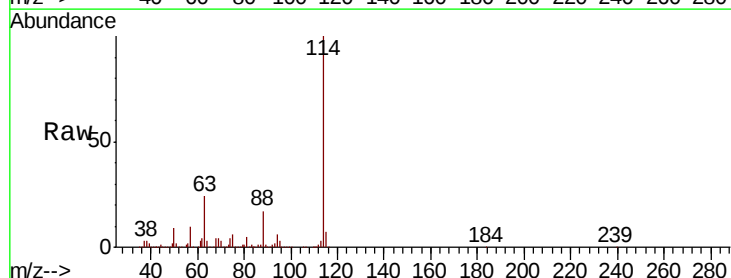
Tgt Ion: 63 Resp: 705763

Ion Ratio Lower Upper

63 100

41 0.0 55.9 83.9#

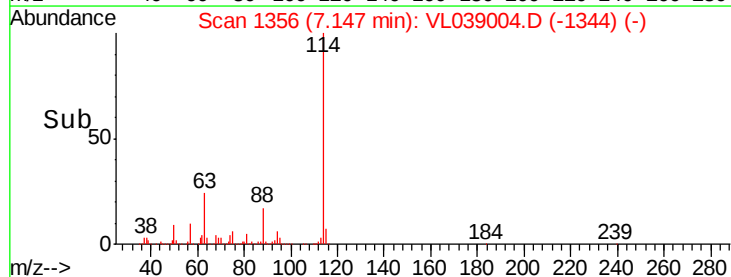
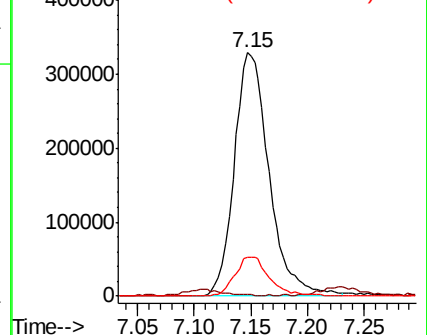
62 15.7 53.8 80.6#

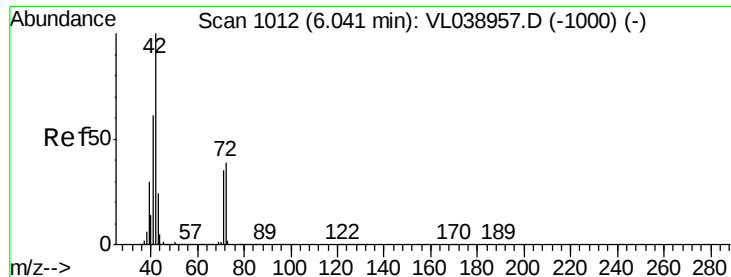


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#41

Tetrahydrofuran

Concen: 2.189 ppbv

RT: 6.03

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

SV2DL

Acq: 10 May 2022 2:20

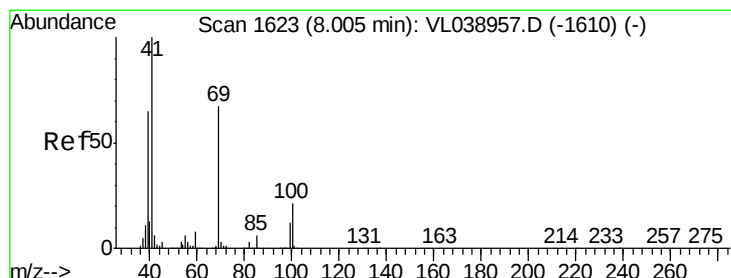
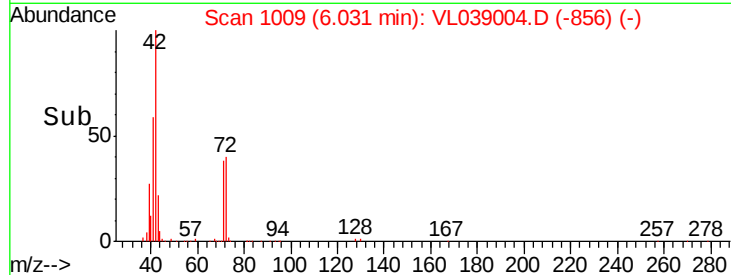
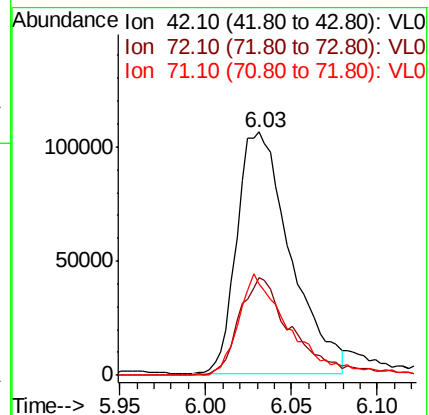
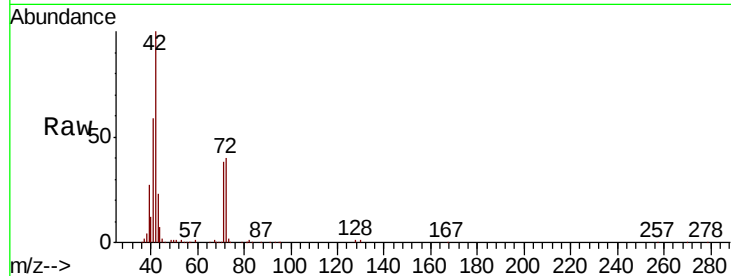
Tot Ion: 42 Resp: 229000

Ion Ratio Lower Upper

42 100

72 41.3 31.8 47.6

71 40.4 30.6 45.8



#43

Methyl Methacrylate

Concen: 0.061 ppbv

RT: 7.98 min Scan# 1616

Delta R.T. -0.02 min

Lab File: VL039004.D

Acq: 10 May 2022 2:20

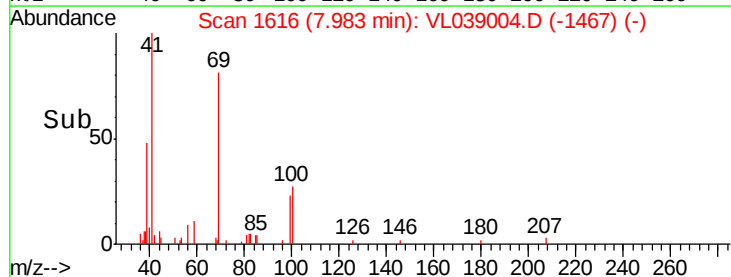
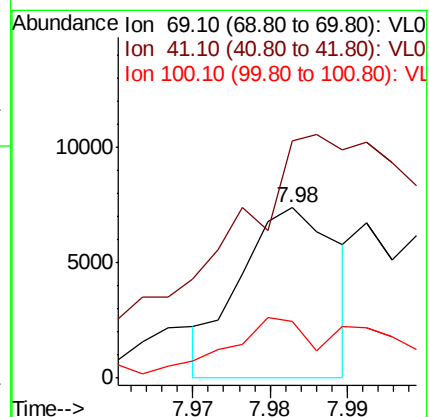
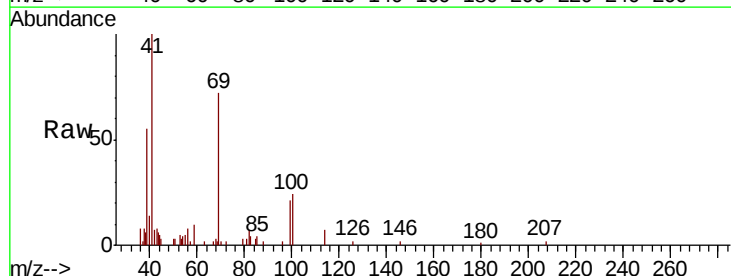
Tgt Ion: 69 Resp: 6421

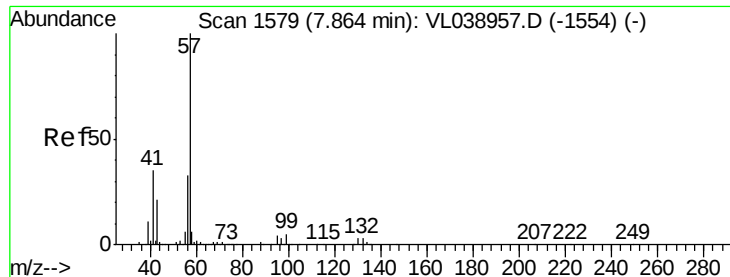
Ion Ratio Lower Upper

69 100

41 319.1 121.9 182.9#

100 85.4 24.6 36.8#





#44

2,2,4-Trimethylpentane

Concen: 0.146 ppbv

RT: 7.84 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

SV2DL

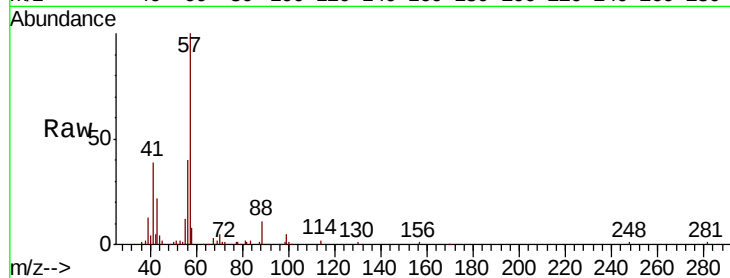
Tot Ion: 57 Resp: 66851

Ion Ratio Lower Upper

57 100

41 72.2 26.3 39.5#

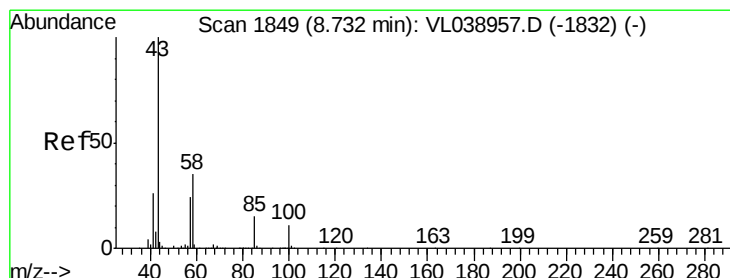
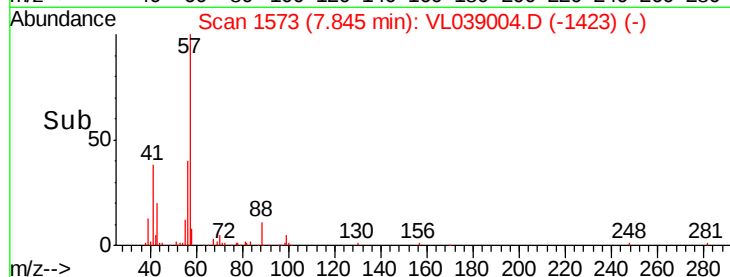
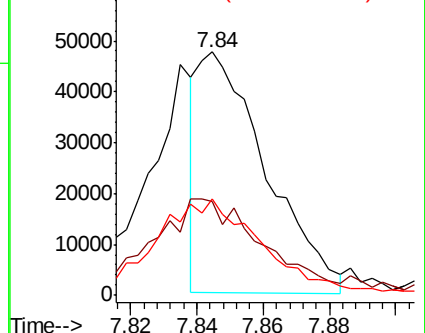
56 68.4 24.6 37.0#



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



#50

4-Methyl-2-Pentanone

Concen: 0.521 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VL039004.D

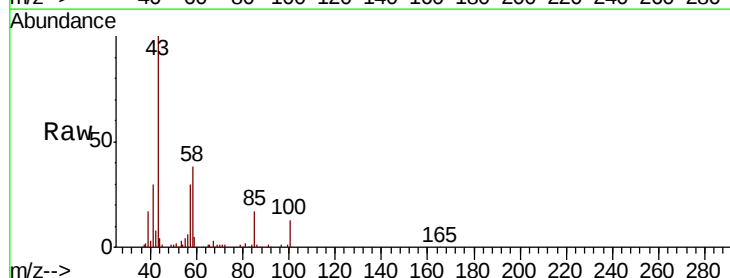
Acq: 10 May 2022 2:20

Tgt Ion: 43 Resp: 142179

Ion Ratio Lower Upper

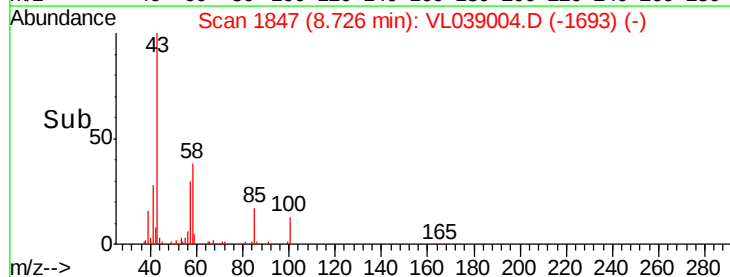
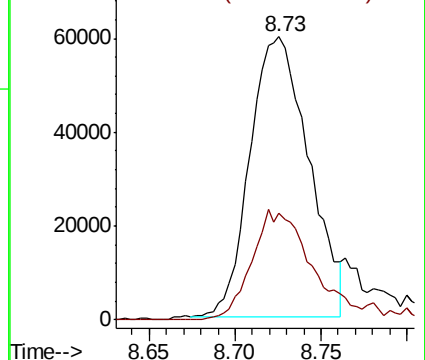
43 100

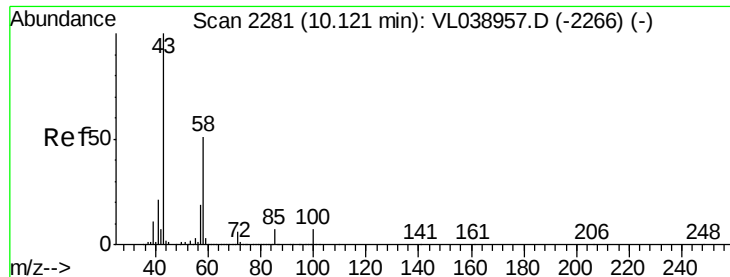
58 42.1 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

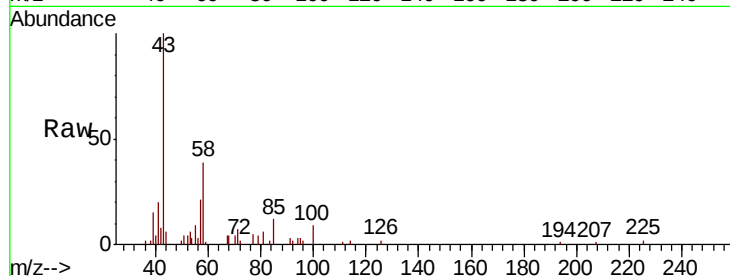
Ion 58.10 (57.80 to 58.80): VL0





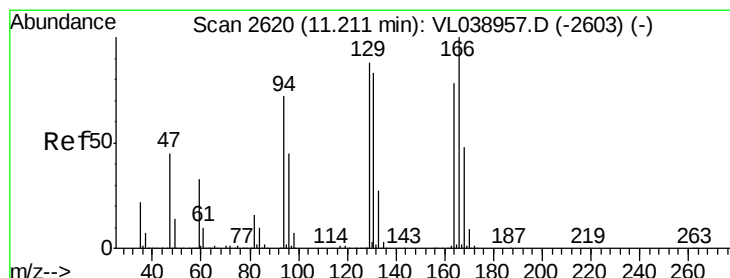
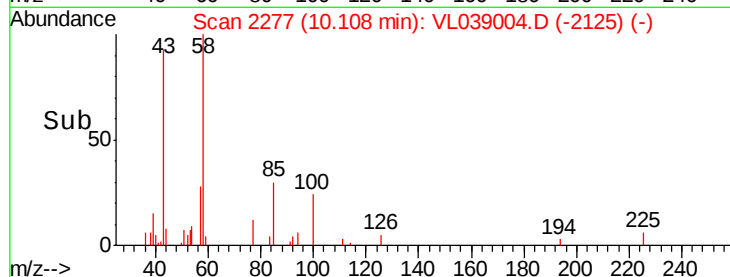
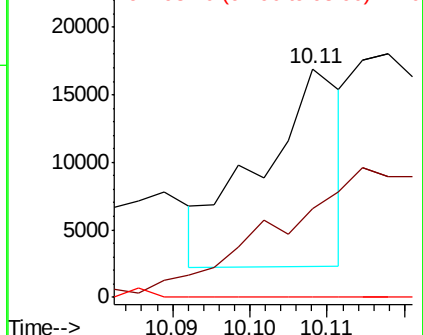
#51
2-Hexanone
Concen: 0.054 ppbv
RT: 10.11 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SV2DL
Acq: 10 May 2022 2:20

Tot Ion: 43 Resp: 10782
Ion Ratio Lower Upper
43 100
58 0.0 39.3 58.9#
98 0.0 0.2 0.2#



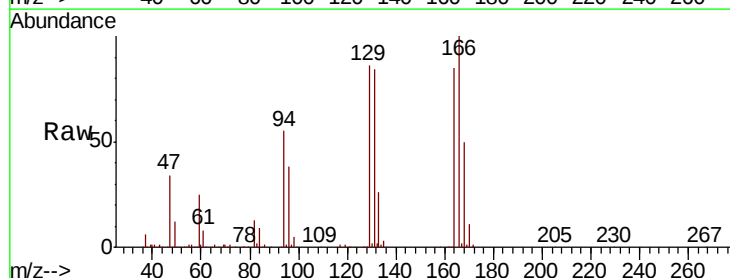
Abundance

Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



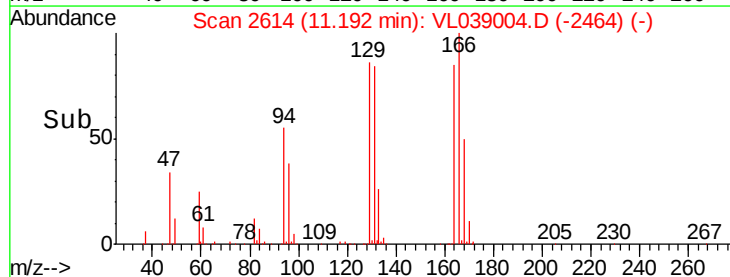
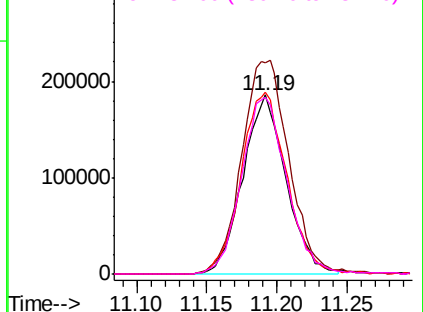
#52
Tetrachloroethene
Concen: 4.267 ppbv
RT: 11.19 min Scan# 2614
Delta R.T. -0.02 min
Lab File: VL039004.D
Acq: 10 May 2022 2:20

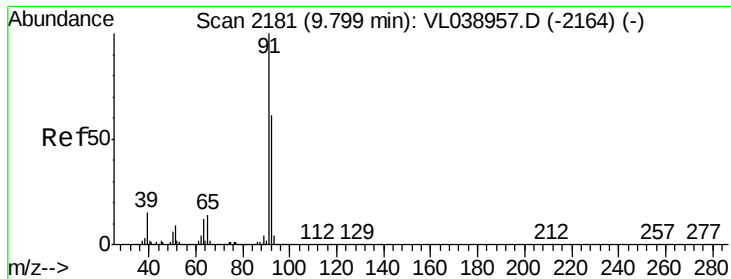
Tgt Ion: 164 Resp: 398161
Ion Ratio Lower Upper
164 100
166 117.8 102.5 153.7
129 101.5 90.1 135.1
131 98.5 84.8 127.2



Abundance

Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 1.514 ppbv

RT: 9.77 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

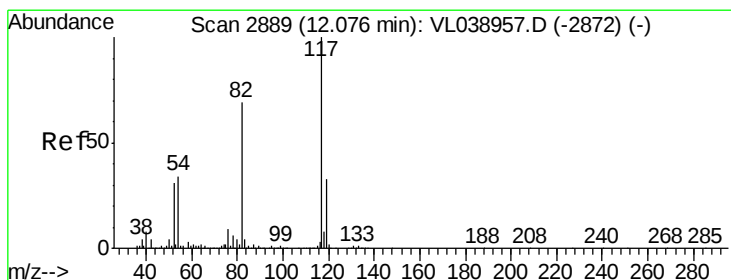
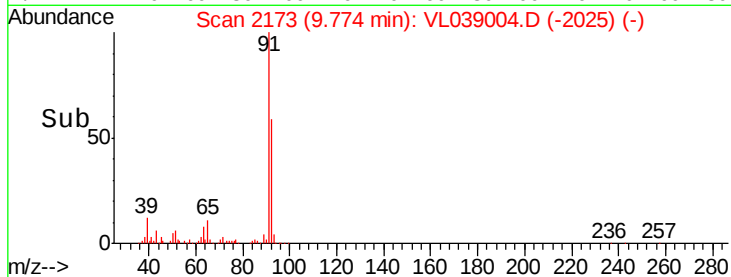
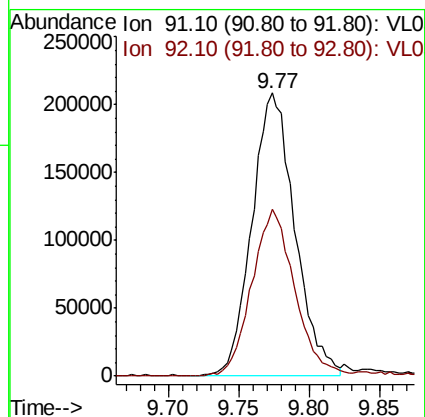
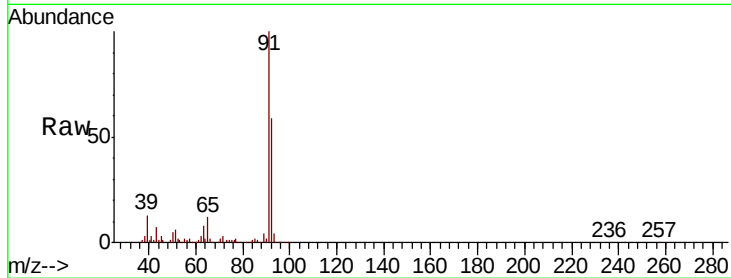
Acq: 10 May 2022 2:20 SV2DL

Tot Ion: 91 Resp: 443222

Ion Ratio Lower Upper

91 100

92 60.9 48.2 72.2



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.05 min Scan# 2882

Delta R.T. -0.02 min

Lab File: VL039004.D

Acq: 10 May 2022 2:20

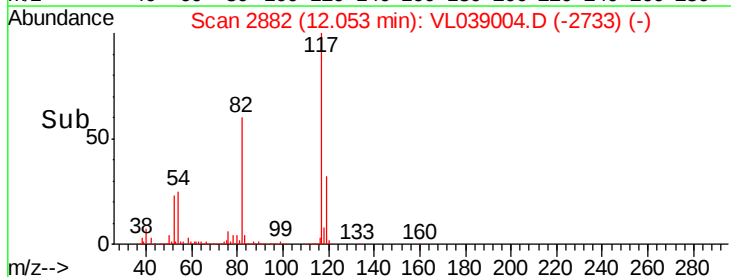
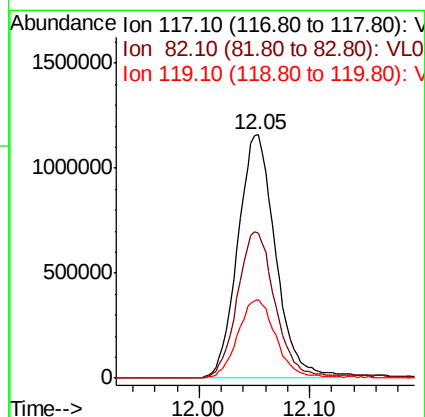
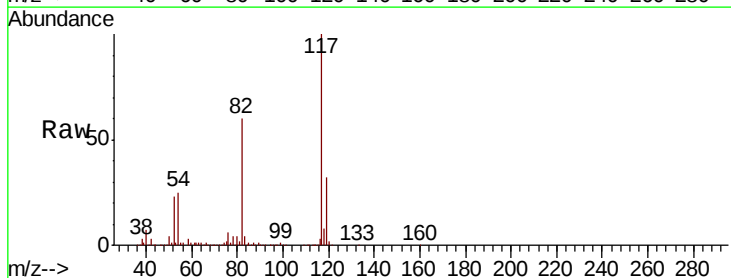
Tgt Ion: 117 Resp: 2748228

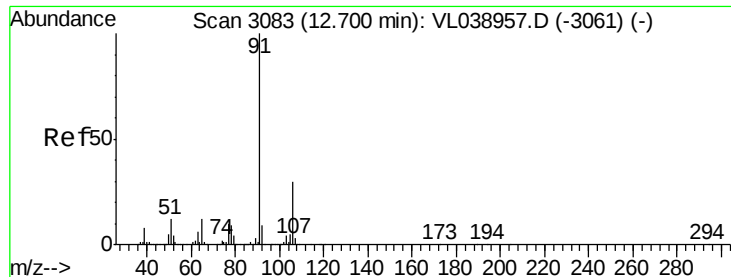
Ion Ratio Lower Upper

117 100

82 62.2 57.0 85.6

119 33.2 27.2 40.8





#58

Ethyl Benzene

Concen: 1.110 ppbv

RT: 12.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

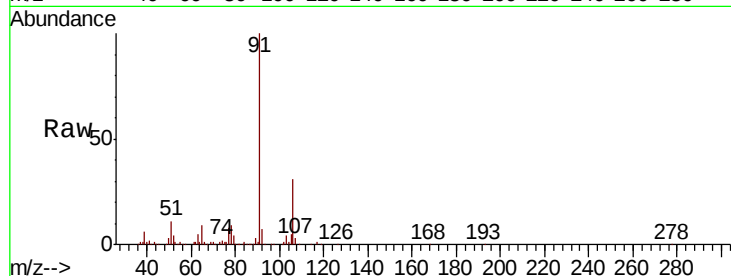
Acq: 10 May 2022 2:20

Tot Ion: 91 Resp: 439205

Ion Ratio Lower Upper

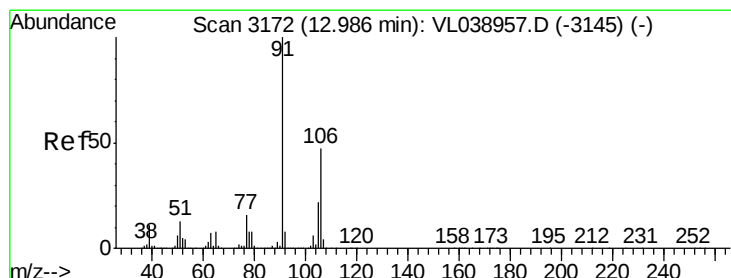
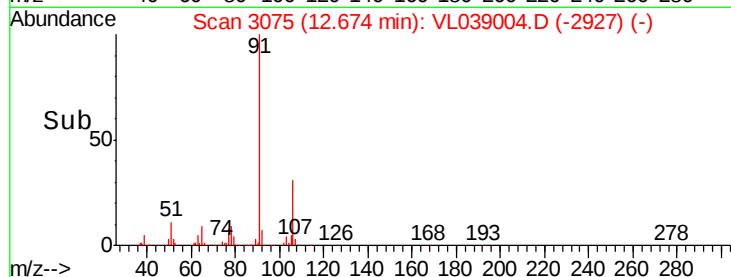
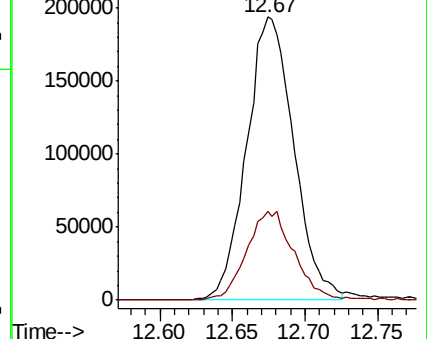
91 100

106 31.2 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: 4.930 ppbv

RT: 12.93 min Scan# 3155

Delta R.T. -0.05 min

Lab File: VL039004.D

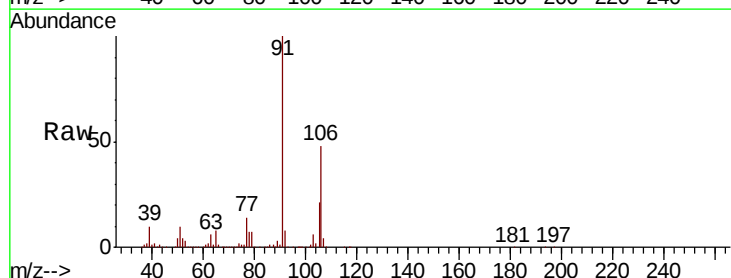
Acq: 10 May 2022 2:20

Tgt Ion: 91 Resp: 1664597

Ion Ratio Lower Upper

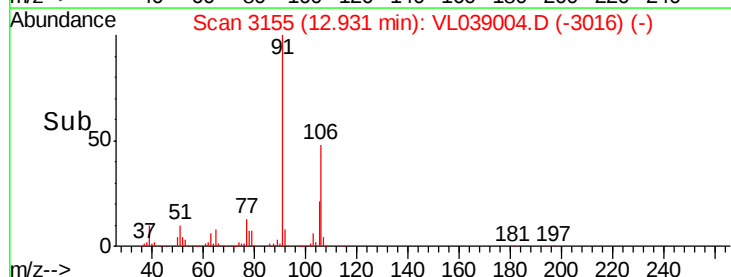
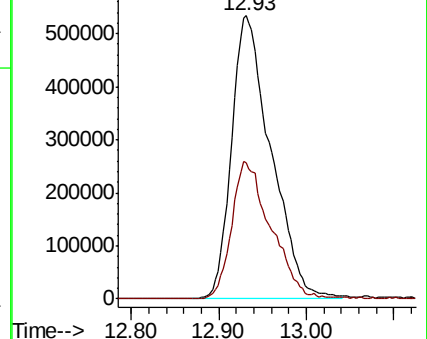
91 100

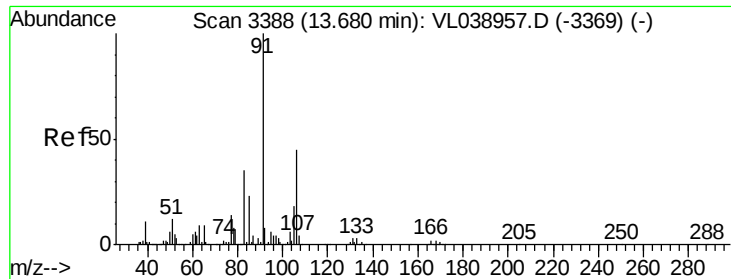
106 48.3 34.6 52.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

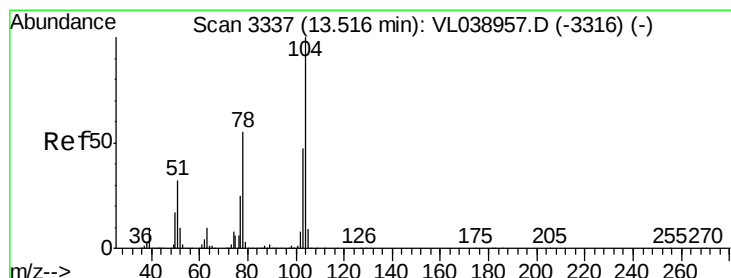
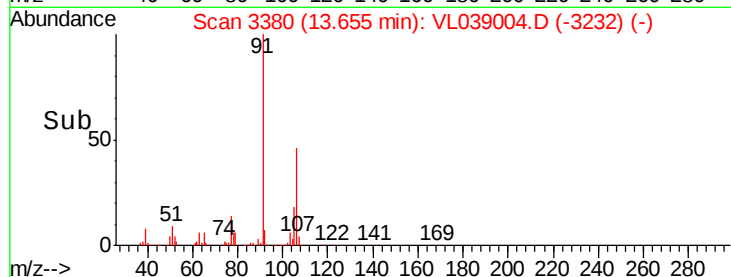
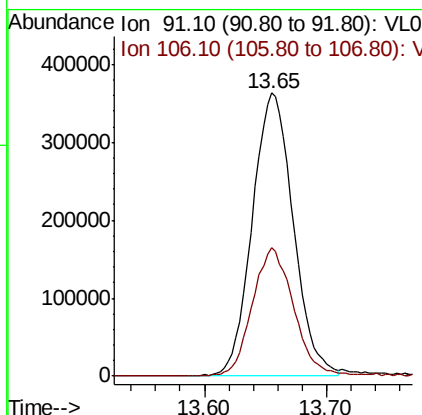
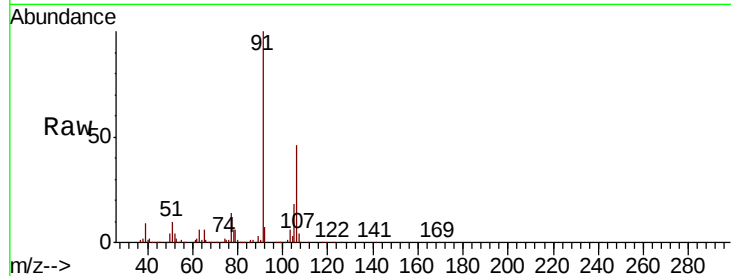
Ion 106.10 (105.80 to 106.80): V





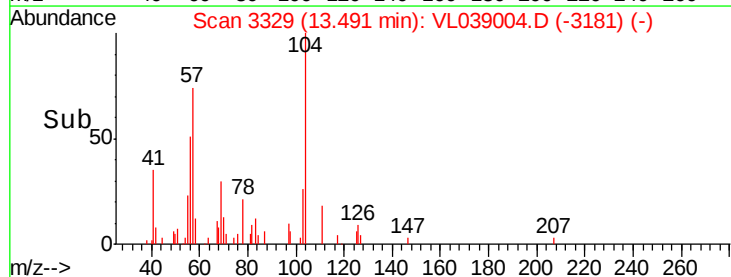
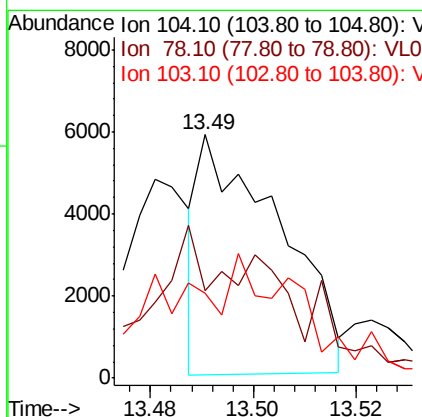
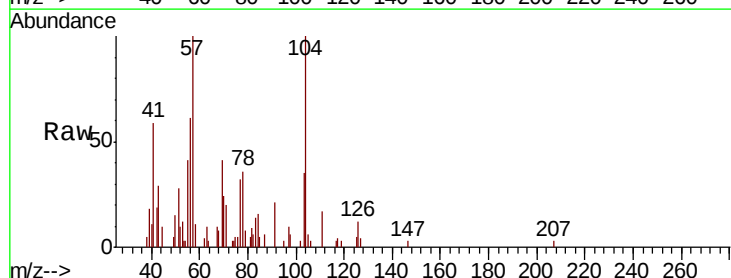
#60
o-Xylene
Concen: 2.657 ppbv
RT: 13.65
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SV2DL
Acq: 10 May 2022 2:20

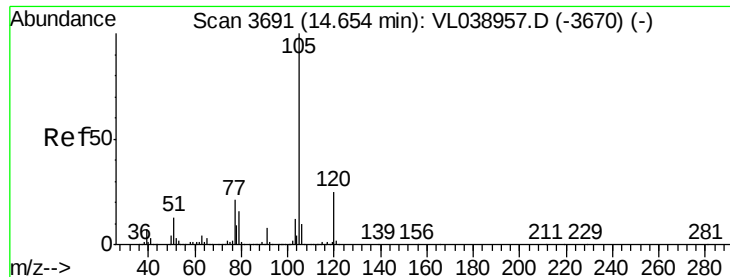
Tot Ion	91	Resp	844454
Ion Ratio	100	Lower	Upper
106	46.1	22.2	66.6



#61
Styrene
Concen: 0.038 ppbv
RT: 13.49 min Scan# 3329
Delta R.T. -0.03 min
Lab File: VL039004.D
Acq: 10 May 2022 2:20

Tgt Ion	104	Resp	6372
Ion Ratio	100	Lower	Upper
78	116.1	46.4	69.6#
103	98.7	39.3	58.9#





#62

Isopropylbenzene

Concen: 0.084 ppbv

RT: 14.63

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

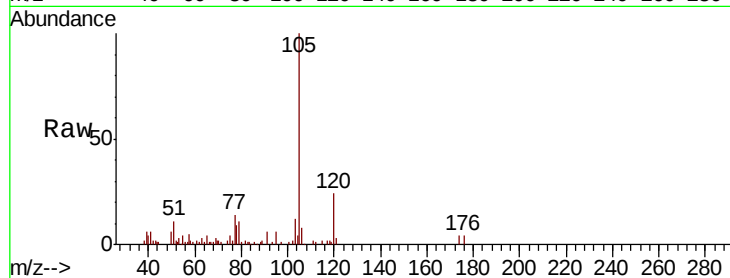
Acq: 10 May 2022 2:20

Tot Ion:105 Resp: 39152

Ion Ratio Lower Upper

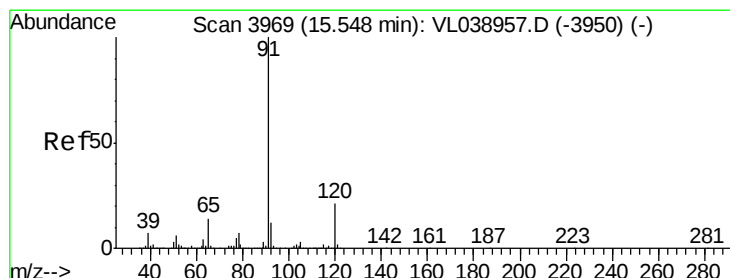
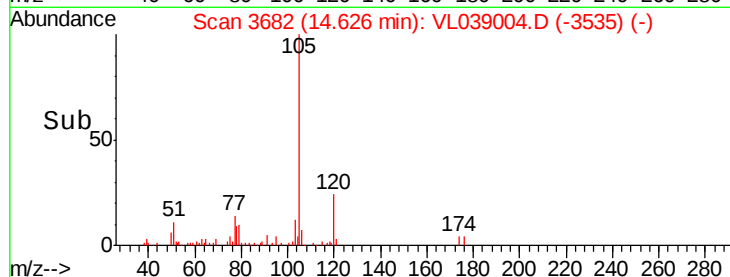
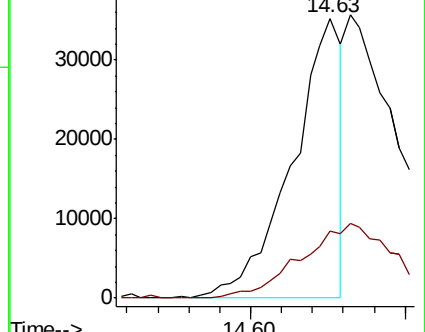
105 100

120 0.0 20.5 30.7#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#64

n-propylbenzene

Concen: 0.311 ppbv

RT: 15.53 min Scan# 3962

Delta R.T. -0.02 min

Lab File: VL039004.D

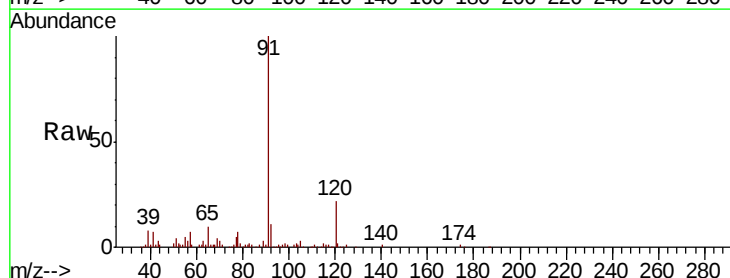
Acq: 10 May 2022 2:20

Tgt Ion:120 Resp: 34991

Ion Ratio Lower Upper

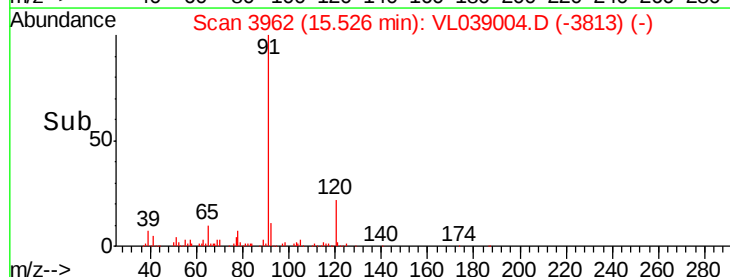
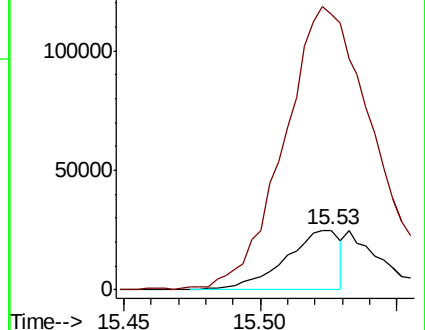
120 100

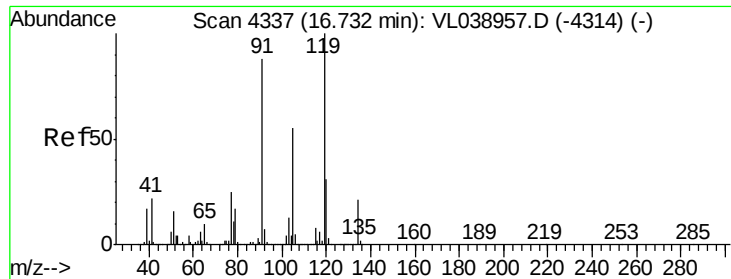
91 799.0 400.6 601.0#



Abundance Ion 120.20 (119.90 to 120.90): V

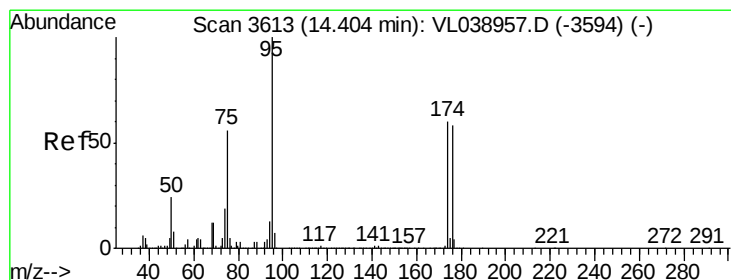
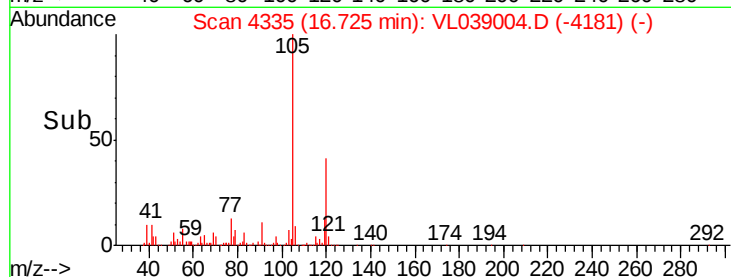
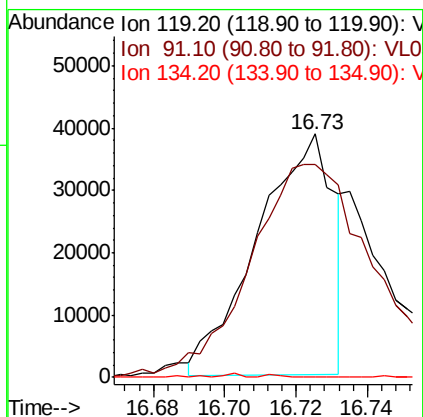
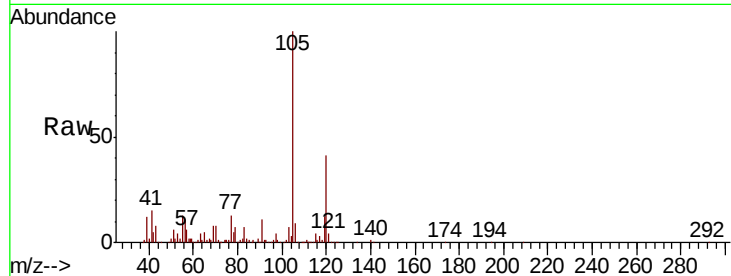
Ion 91.10 (90.80 to 91.80): VL0





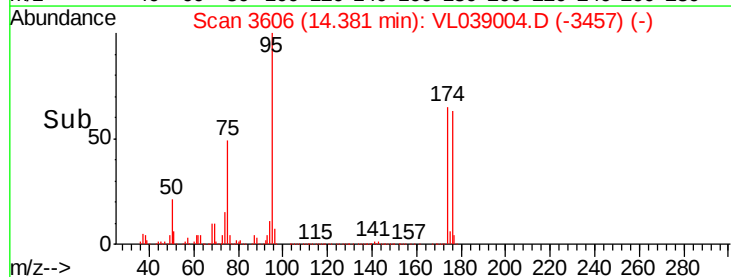
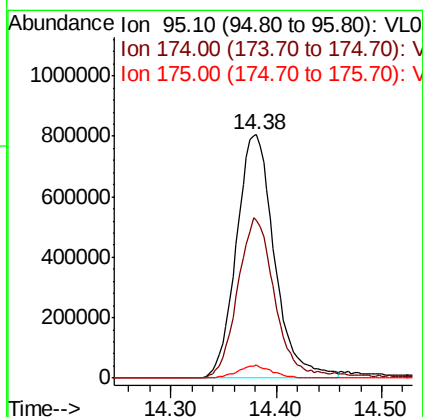
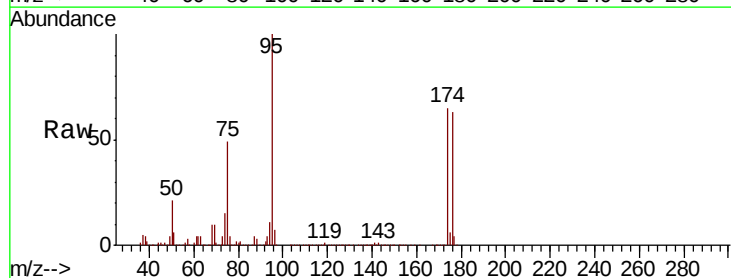
#65
 tert-Butylbenzene
 Concen: 0.141 ppbv
 RT: 16.73 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 SV2DL
 Acq: 10 May 2022 2:20

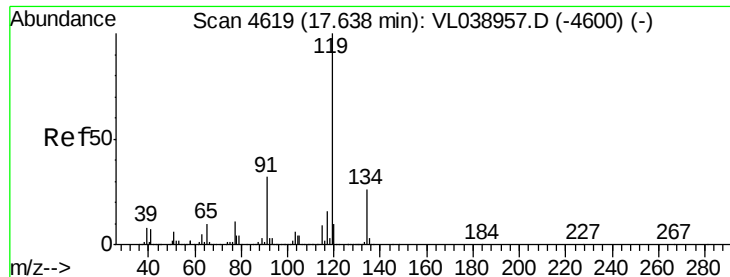
Tot Ion: 119 Resp: 57295
 Ion Ratio Lower Upper
 119 100
 91 144.8 69.4 104.2#
 134 0.0 15.8 23.8#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.279 ppbv
 RT: 14.38 min Scan# 3606
 Delta R.T.: -0.02 min
 Lab File: VL039004.D
 Acq: 10 May 2022 2:20

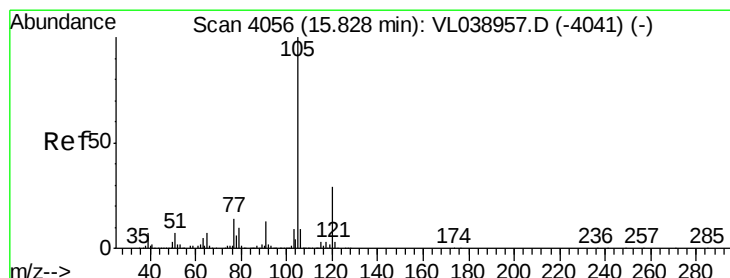
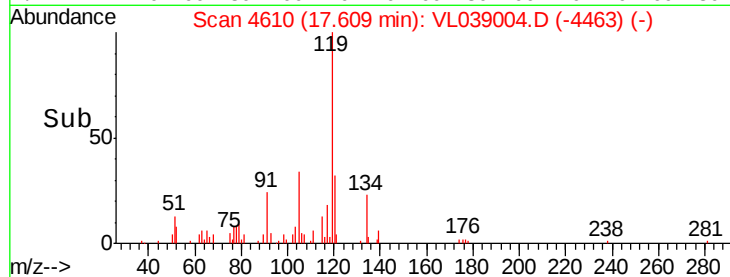
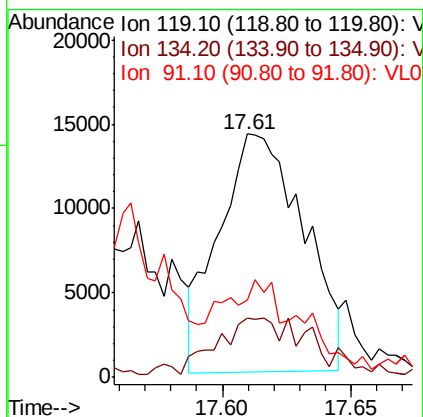
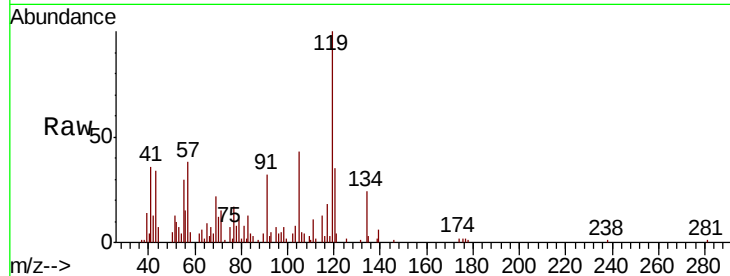
Tgt Ion: 95 Resp: 2019514
 Ion Ratio Lower Upper
 95 100
 174 65.7 50.8 76.2
 175 4.9 3.8 5.6





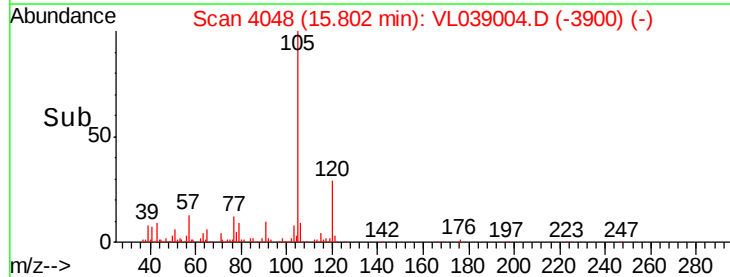
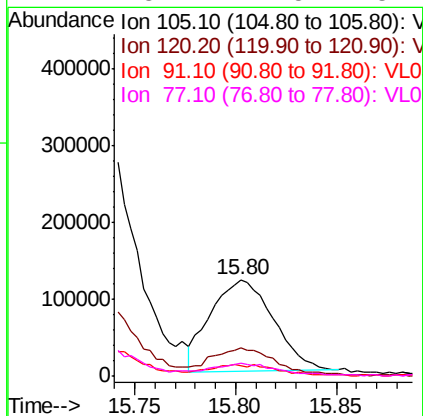
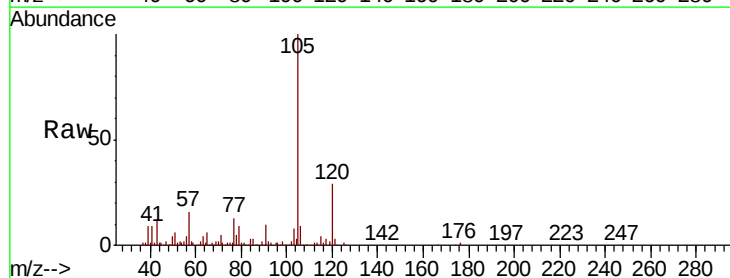
#69
 p-Isopropyltoluene
 Concen: 0.069 ppbv
 RT: 17.61 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : SV2DL
 Acq: 10 May 2022 2:20

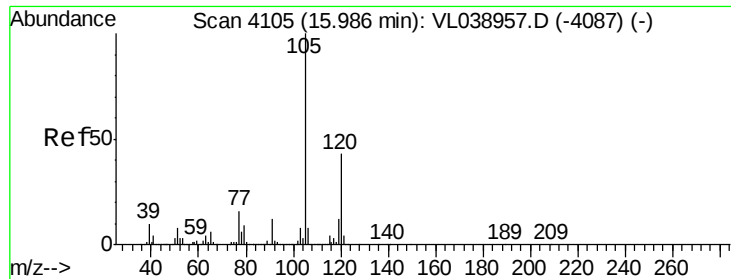
Tot Ion:	119	Resp:	32391
Ion Ratio	Lower	Upper	
119	100		
134	30.6	20.0	30.0#
91	37.8	24.8	37.2#



#72
 4-Ethyltoluene
 Concen: 0.719 ppbv
 RT: 15.80 min Scan# 4048
 Delta R.T. -0.03 min
 Lab File: VL039004.D
 Acq: 10 May 2022 2:20

Tgt Ion:	105	Resp:	260277
Ion Ratio	Lower	Upper	
105	100		
120	32.8	23.4	35.0
91	12.2	10.6	16.0
77	15.1	12.5	18.7





#73

1,3,5-Trimethylbenzene

Concen: 1.027 ppbv

RT: 15.96

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

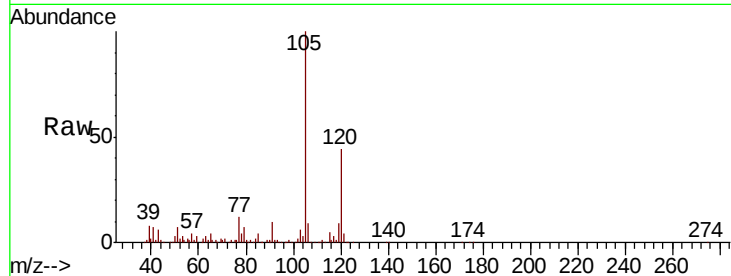
Acq: 10 May 2022 2:20

Tot Ion:105 Resp: 334915

Ion Ratio Lower Upper

105 100

120 43.6 34.4 51.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.96

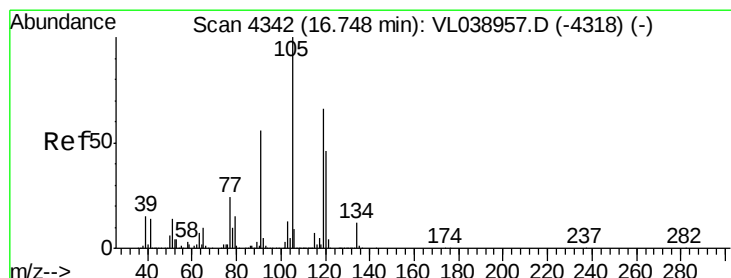
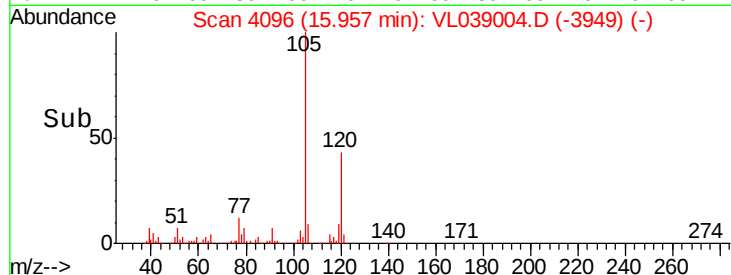
150000

100000

50000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 2.181 ppbv

RT: 16.73 min Scan# 4335

Delta R.T. -0.02 min

Lab File: VL039004.D

Acq: 10 May 2022 2:20

Tgt Ion:105 Resp: 778423

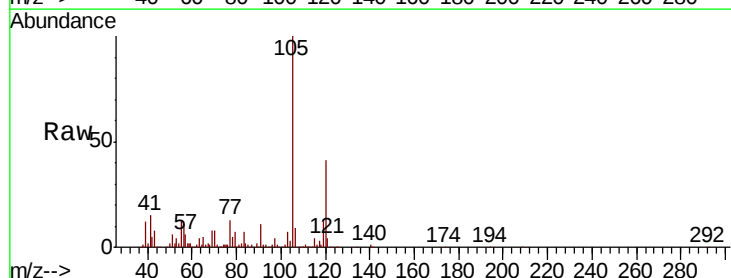
Ion Ratio Lower Upper

105 100

120 41.0 36.9 55.3

91 10.5 45.0 67.4#

77 12.8 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

500000

400000

300000

200000

100000

0

Time-->

