

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040722\
 Data File : VL038852.D
 Acq On : 7 Apr 2022 22:10
 Operator : SY/AP
 Sample : N2273-05
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 1160-1-SG-2

Quant Time: Apr 11 05:16:17 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr 06 06:12:53 2022
 QLast Update : Wed Apr 06 06:12:53 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.71	49	1262357	10.00	ppbv	0.05
33) 1,4-Difluorobenzene	7.21	114	3108758	10.00	ppbv	0.04
55) Chlorobenzene-d5	12.12	117	2781134	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2183260	10.35	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.08	85	39503	0.221 ppbv	98
3) Chlorodifluoromethane	3.01	51	86324	0.560 ppbv #	85
4) Chloromethane	3.17	50	35039	0.439 ppbv	96
9) Propene	3.23	41	552069	6.773 ppbv	96
10) Heptane	8.15	43	875266	4.263 ppbv	97
11) Trichlorofluoromethane	3.98	101	40481	0.281 ppbv	84
13) Ethanol	3.63	45	1539846	310.862 ppbv #	100
15) Acetone	3.88	43	41537049	330.501 ppbv #	53
16) 1,3-Butadiene	3.38	39	5682535	79.091 ppbv #	11
17) tert-Butyl alcohol	3.99	59	37486	0.333 ppbv #	1
19) Isopropyl Alcohol	3.99	45	1168825	18.196 ppbv #	100
20) Methylene Chloride	4.38	84	250459	5.495 ppbv	96
21) Allyl Chloride	4.40	41	5608	0.060 ppbv #	21
23) Vinyl Acetate	5.09	43	124780	1.020 ppbv #	1
25) Ethyl Acetate	5.71	43	563356	1.767 ppbv #	89
26) Hexane	5.72	57	515455	3.551 ppbv #	56
30) Cyclohexane	7.16	84	191216	1.495 ppbv	95
31) cis-1,2-Dichloroethene	5.71	61	23675	0.177 ppbv #	28
34) 2-Butanone	5.28	43	349344	2.844 ppbv	98
35) Carbon Tetrachloride	7.05	117	6635	0.036 ppbv #	22
36) Benzene	6.93	78	275490	0.974 ppbv	96
39) 1,2-Dichloropropane	7.21	63	796555	7.364 ppbv #	27
41) Tetrahydrofuran	6.09	42	5455	0.047 ppbv #	42
42) Bromodichloromethane	7.82	83	41613	0.204 ppbv #	25
43) Methyl Methacrylate	8.05	69	5124	0.047 ppbv #	1
44) 2,2,4-Trimethylpentane	7.90	57	1615343	3.374 ppbv #	77
50) 4-Methyl-2-Pentanone	8.77	43	1067766	3.864 ppbv	100
51) 2-Hexanone	10.09	43	300958	1.446 ppbv #	34
52) Tetrachloroethene	11.26	164	63033	0.638 ppbv	95
53) Toluene	9.84	91	1902226	5.827 ppbv	100
58) Ethyl Benzene	12.74	91	2406384	5.790 ppbv	93
59) m/p-Xylene	13.00	91	6947427	19.898 ppbv	98
60) o-Xylene	13.72	91	2422838	7.416 ppbv	98
61) Styrene	13.56	104	69578	0.350 ppbv	92
62) Isopropylbenzene	14.70	105	89365	0.182 ppbv #	69
64) n-propylbenzene	15.59	120	54258	0.426 ppbv #	1
65) tert-Butylbenzene	16.79	119	114298	0.263 ppbv #	1
66) Benzyl Chloride	17.24	91	14865	0.168 ppbv #	69
67) sec-Butylbenzene	17.32	105	20488	0.034 ppbv #	40
70) n-Butylbenzene	18.58	91	27455	0.054 ppbv #	1
71) 2-Chlorotoluene	15.59	91	656376	1.780 ppbv #	43

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Acq On : 7 Apr 2022 22:10
Operator : SY/AP
Sample : N2273-05
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
1160-1-SG-2

Quant Time: Apr 11 05:16:17 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr 06 06:12:53 2022
QLast Update : Wed Apr 06 06:12:53 2022
Response via : Initial Calibration

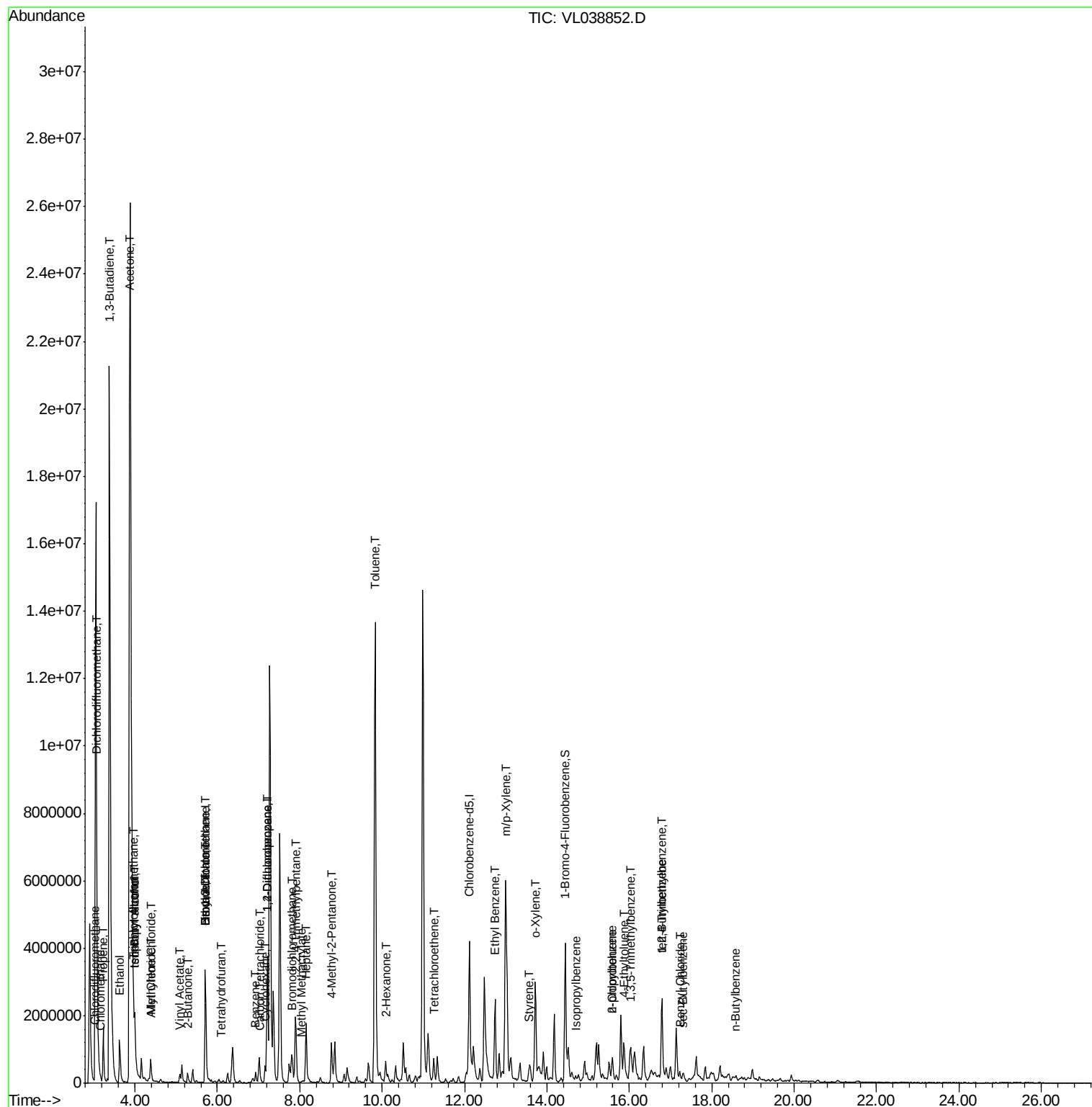
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 4-Ethyltoluene	15.87	105	786207	2.015	ppbv	96
73) 1,3,5-Trimethylbenzene	16.02	105	678748	1.937	ppbv	88
74) 1,2,4-Trimethylbenzene	16.79	105	1750014	4.724	ppbv #	72

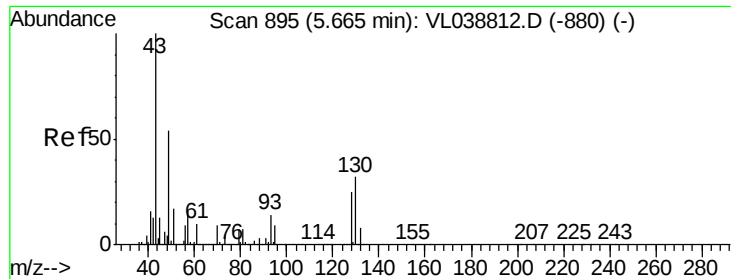
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040722\
Data File : VL038852.D
Acq On : 7 Apr 2022 22:10
Operator : SY/AP
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.71 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Apr 2022 22:10

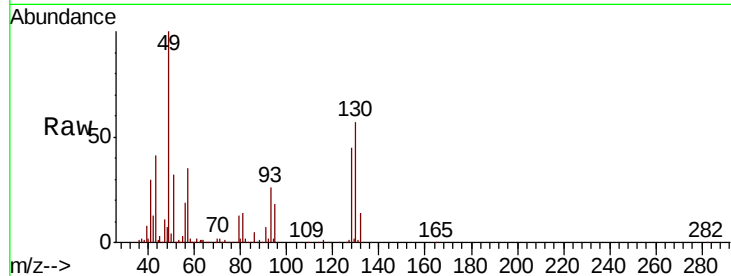
Tot Ion: 49 Resp: 1262357

Ion Ratio Lower Upper

49 100

128 46.4 24.1 72.3

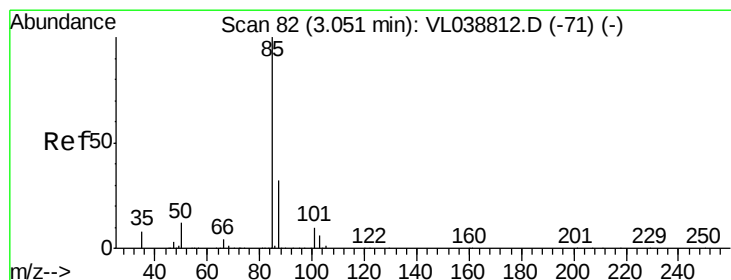
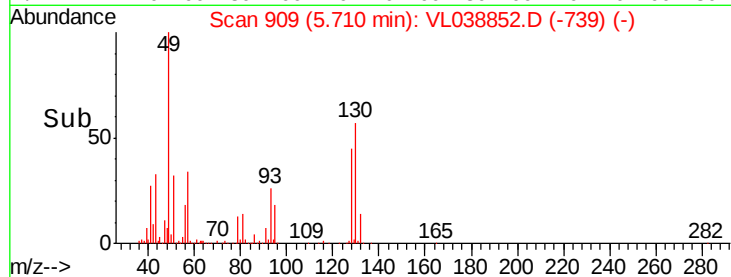
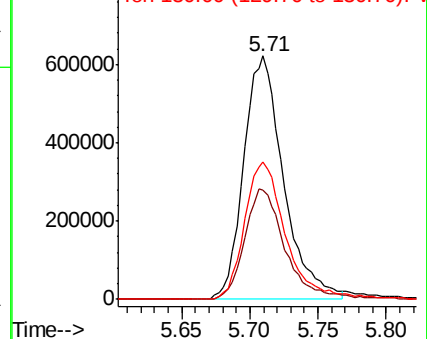
130 58.4 30.9 92.8



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: 0.221 ppbv

RT: 3.08 min Scan# 90

Delta R.T. 0.03 min

Lab File: VL038852.D

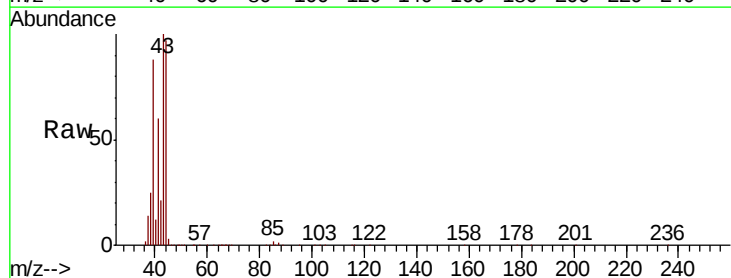
Acq: 7 Apr 2022 22:10

Tgt Ion: 85 Resp: 39503

Ion Ratio Lower Upper

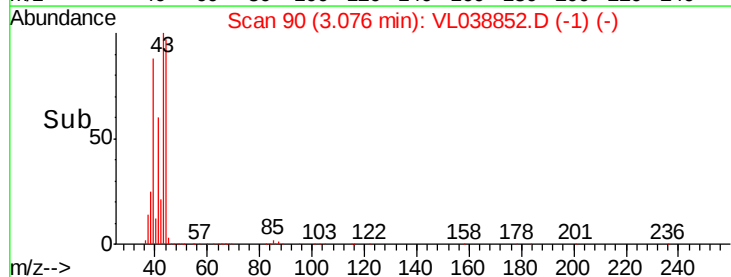
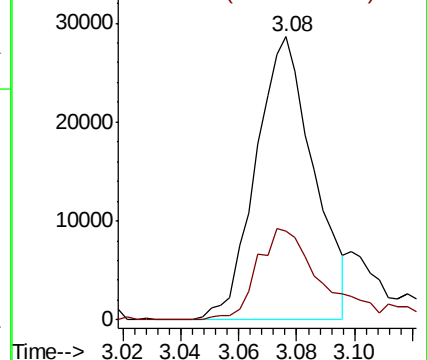
85 100

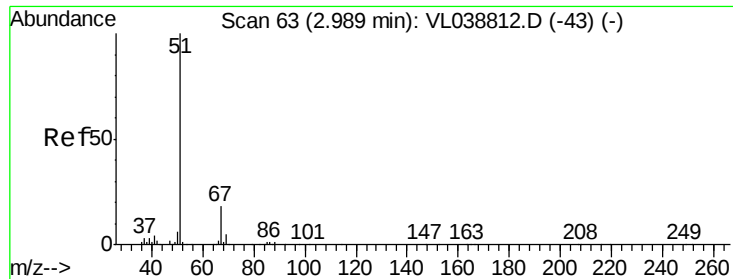
87 31.4 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.560 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

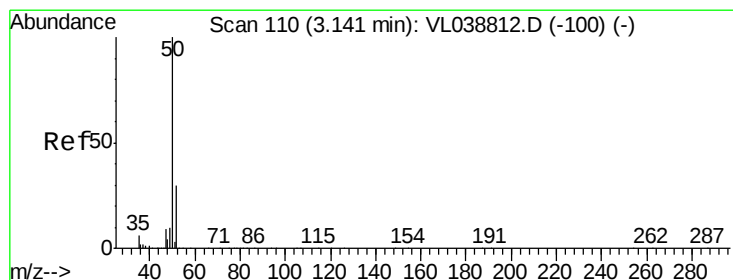
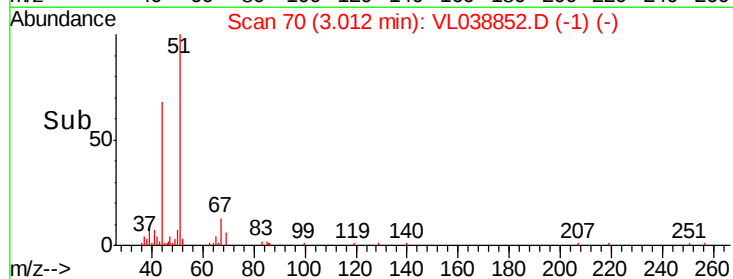
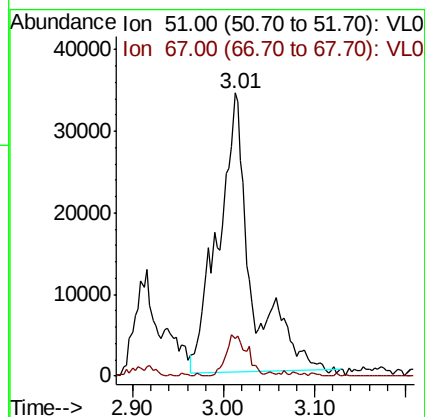
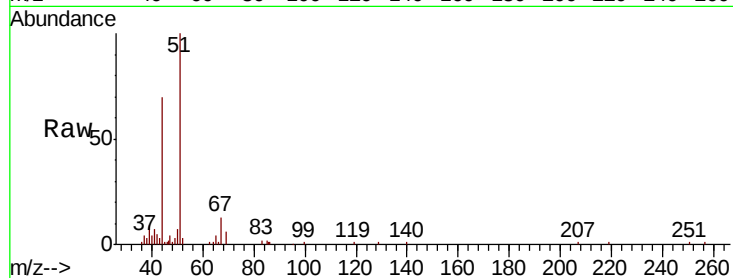
Acq: 7 Apr 2022 22:10

Tot Ion: 51 Resp: 86324

Ion Ratio Lower Upper

51 100

67 10.4 13.4 20.0#



#4

Chloromethane

Concen: 0.439 ppbv

RT: 3.17 min Scan# 118

Delta R.T. 0.03 min

Lab File: VL038852.D

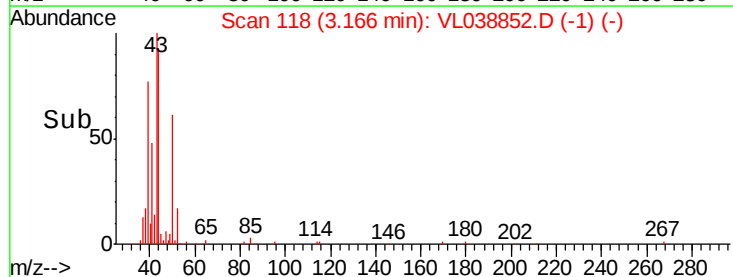
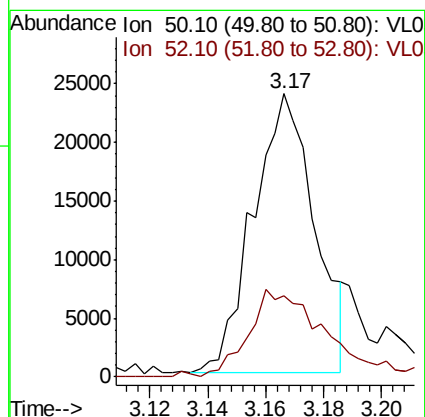
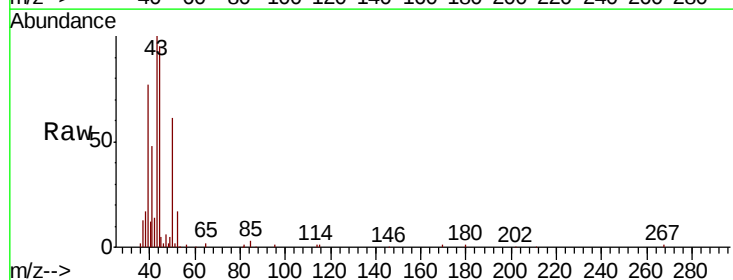
Acq: 7 Apr 2022 22:10

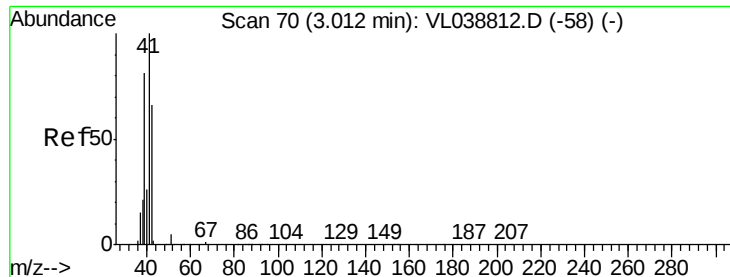
Tgt Ion: 50 Resp: 35039

Ion Ratio Lower Upper

50 100

52 28.0 24.3 36.5





#9

Propene

Concen: 6.773 ppbv

RT: 3.23 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

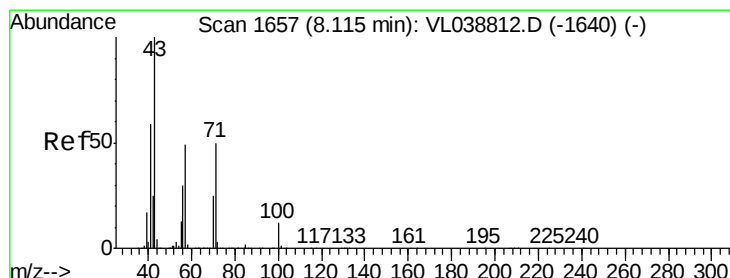
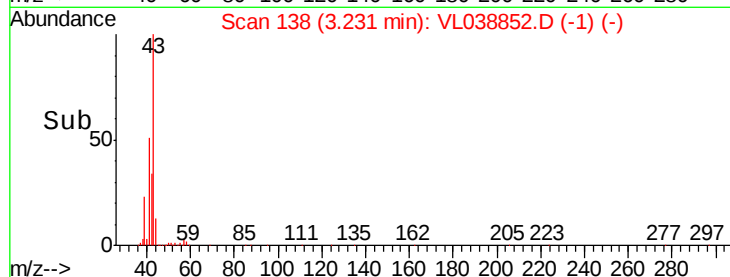
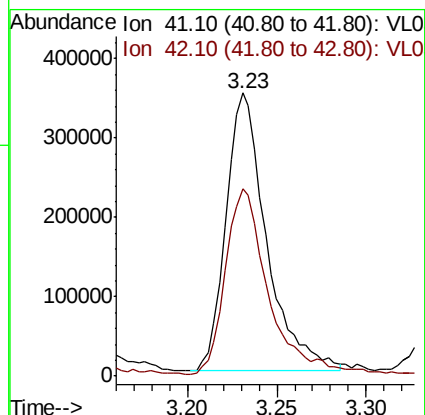
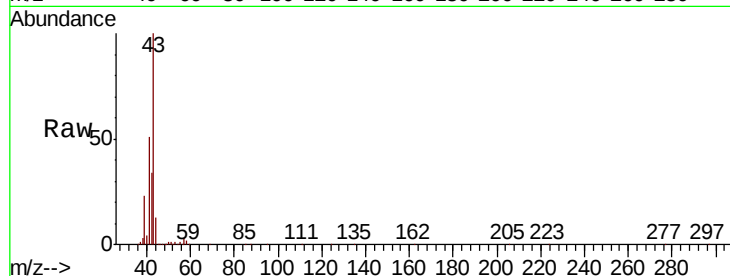
Acq: 7 Apr 2022 22:10

Tot Ion: 41 Resp: 552069

Ion Ratio Lower Upper

41 100

42 71.0 54.2 81.4



#10

Heptane

Concen: 4.263 ppbv

RT: 8.15 min Scan# 1669

Delta R.T. 0.04 min

Lab File: VL038852.D

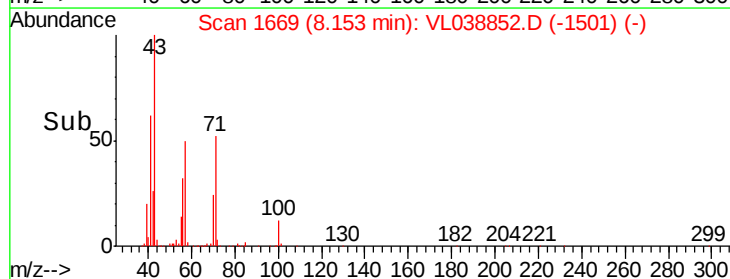
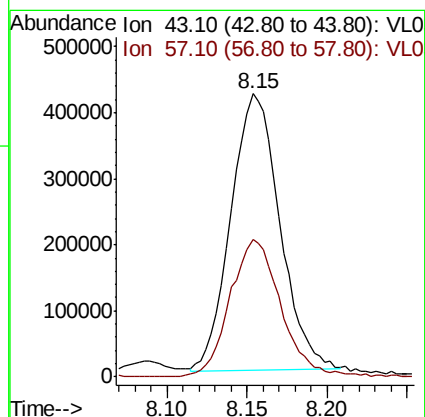
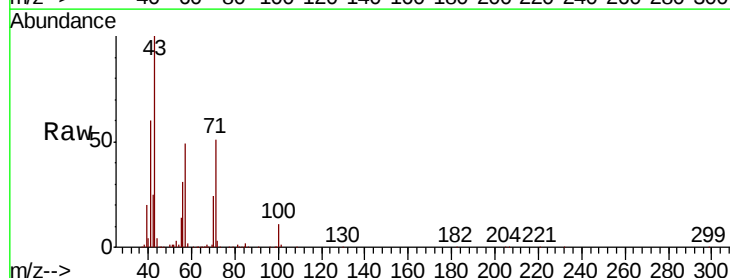
Acq: 7 Apr 2022 22:10

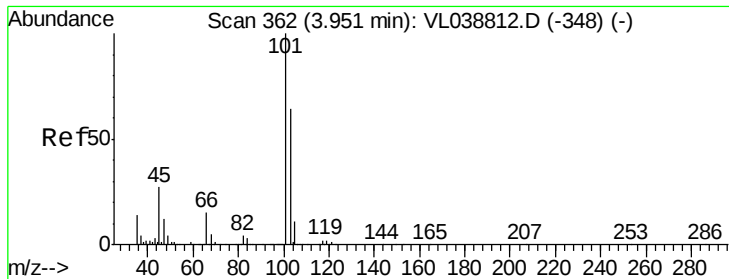
Tgt Ion: 43 Resp: 875266

Ion Ratio Lower Upper

43 100

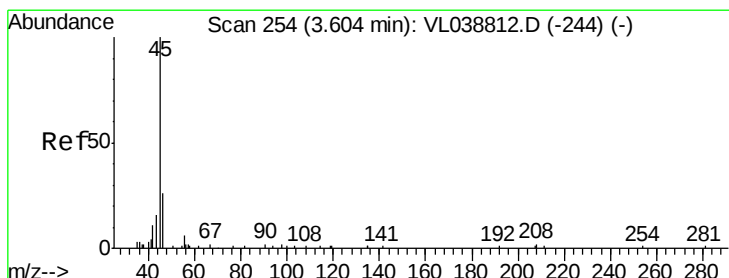
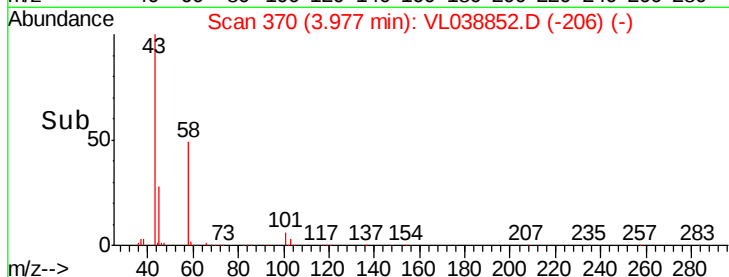
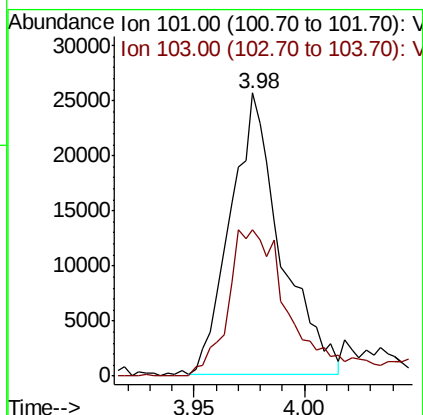
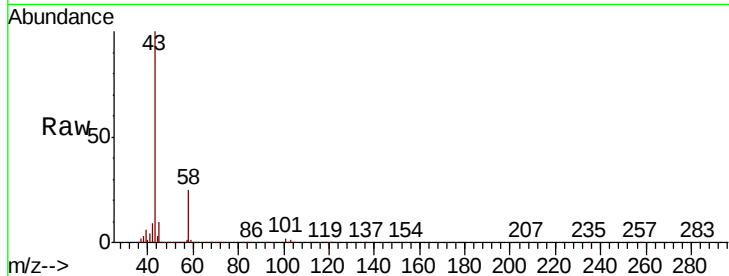
57 51.4 39.3 58.9





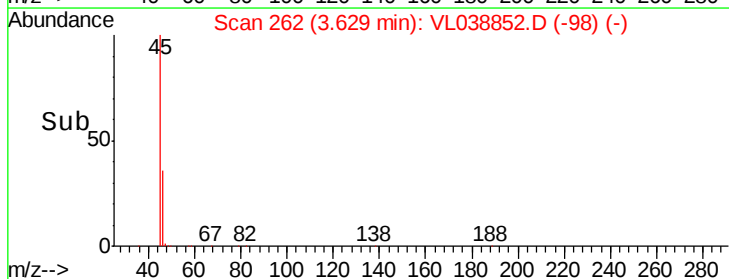
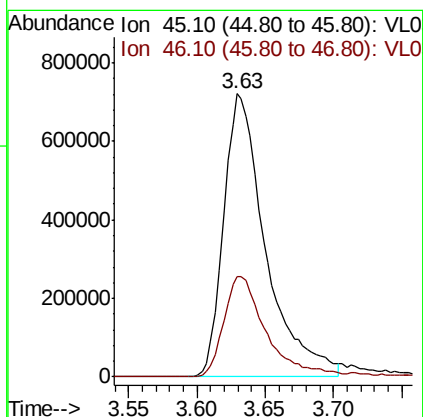
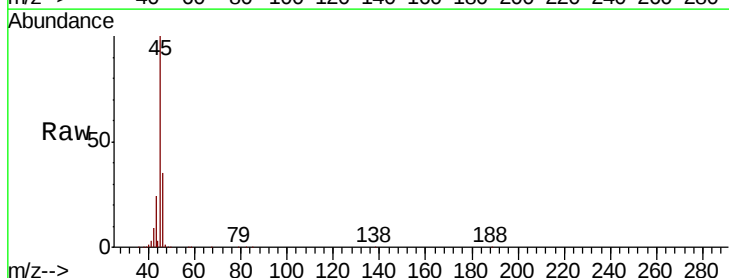
#11
 Trichlorofluoromethane
 Concen: 0.281 ppbv
 RT: 3.98
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 7 Apr 2022 22:10

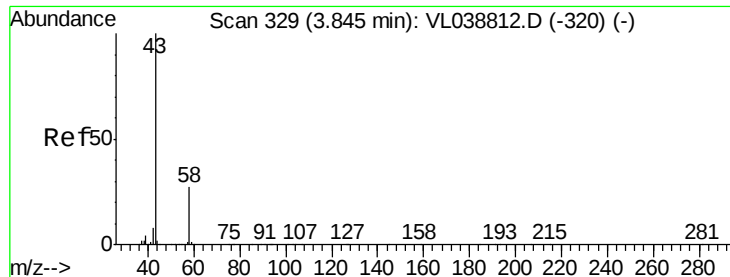
Tot Ion: 101 Resp: 40481
 Ion Ratio Lower Upper
 101 100
 103 51.9 51.4 77.0



#13
 Ethanol
 Concen: 310.862 ppbv
 RT: 3.63 min Scan# 262
 Delta R.T. 0.03 min
 Lab File: VL038852.D
 Acq: 7 Apr 2022 22:10

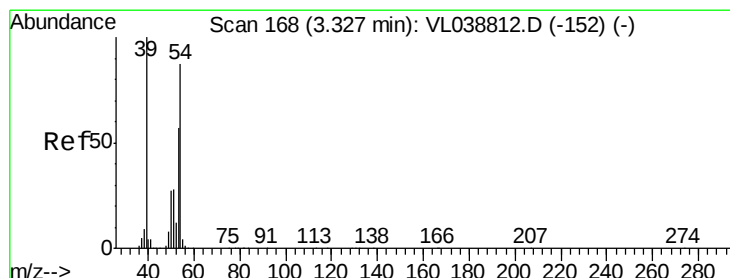
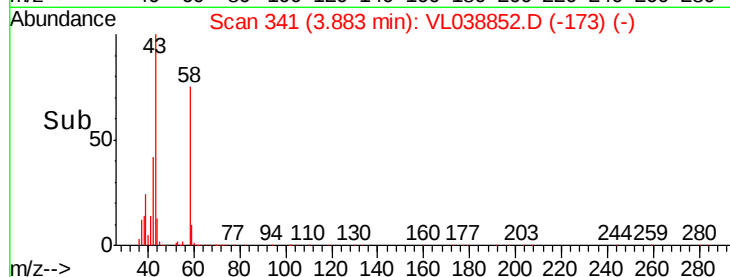
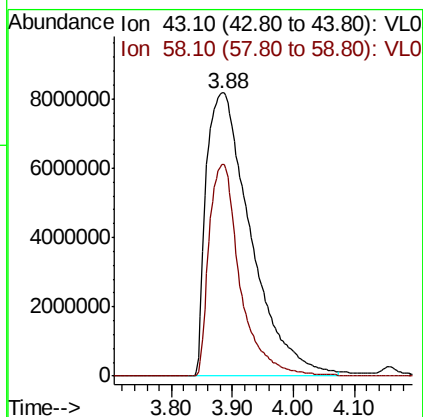
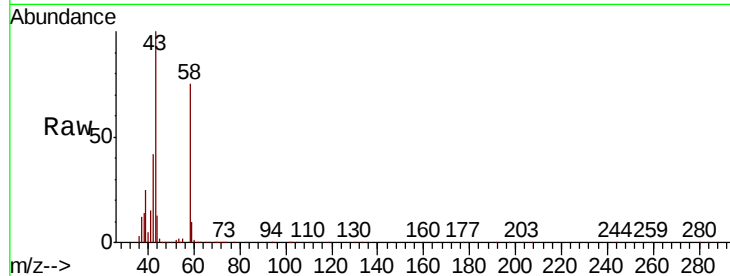
Tgt Ion: 45 Resp: 1539846
 Ion Ratio Lower Upper
 45 100
 46 37.6 0.0 0.0#





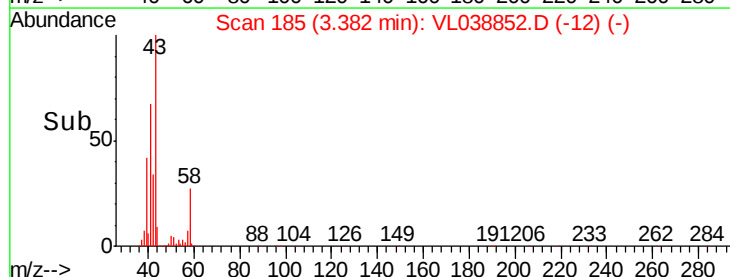
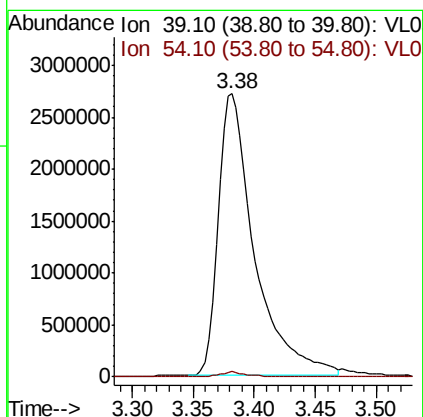
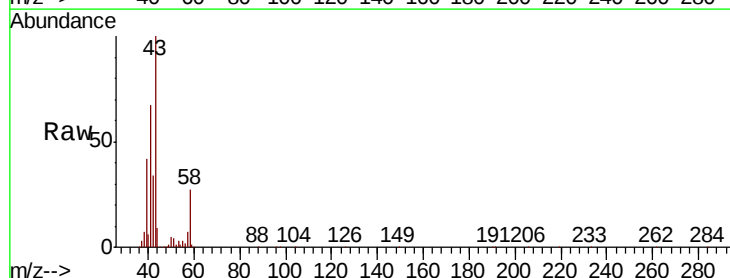
#15
Acetone
Concen: 330.501 ppbv
RT: 3.88
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Apr 2022 22:10

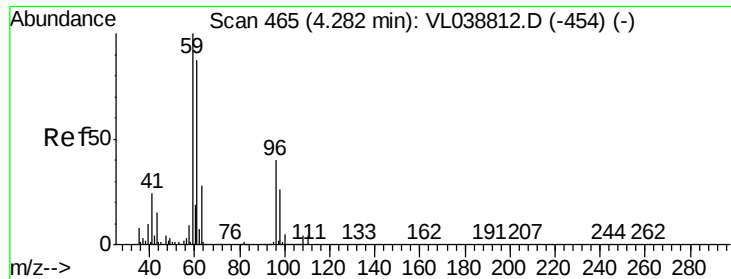
Tot Ion: 43 Resp: 41537049
Ion Ratio Lower Upper
43 100
58 52.8 22.5 33.7#



#16
1,3-Butadiene
Concen: 79.091 ppbv
RT: 3.38 min Scan# 185
Delta R.T. 0.05 min
Lab File: VL038852.D
Acq: 7 Apr 2022 22:10

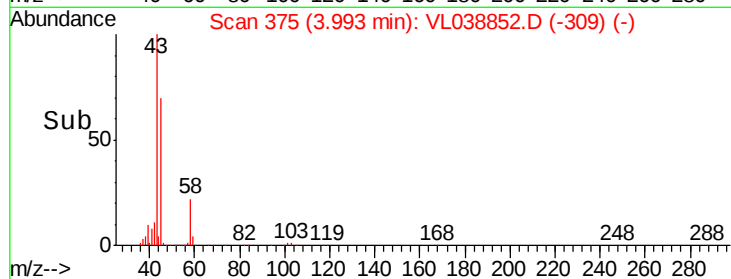
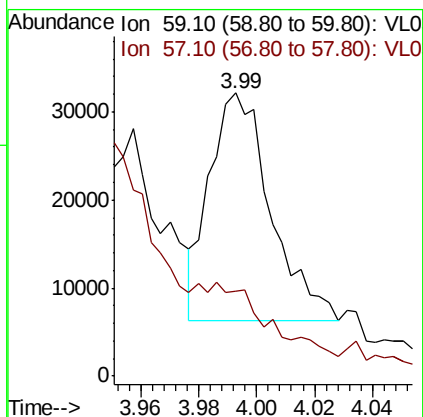
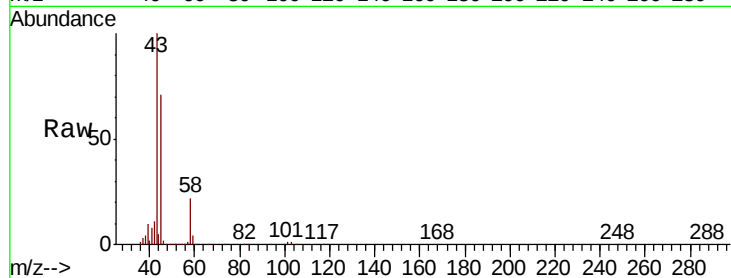
Tgt Ion: 39 Resp: 5682535
Ion Ratio Lower Upper
39 100
54 1.7 64.8 97.2#





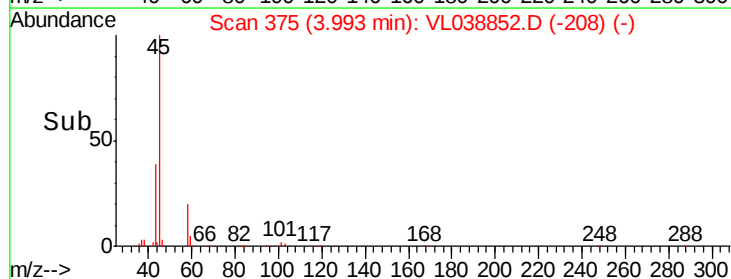
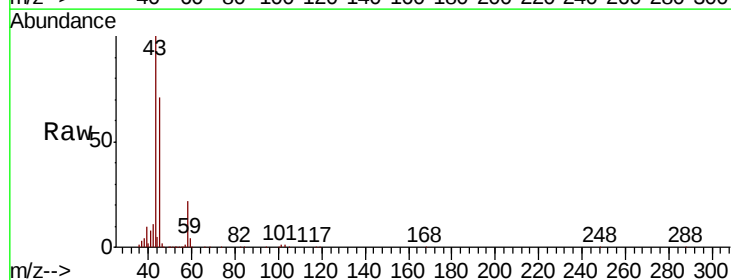
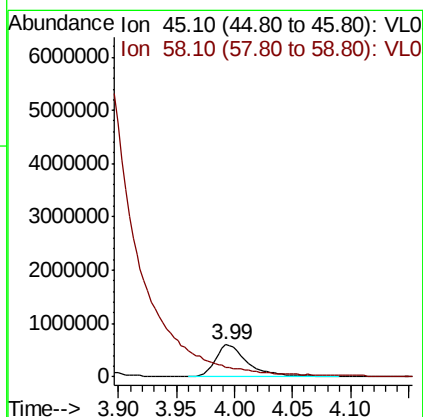
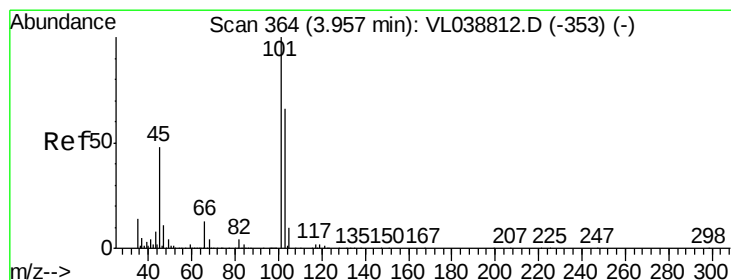
#17
 tert-Butyl alcohol
 Concen: 0.333 ppbv
 RT: 3.99 min
 Delta R.T. 0.04 min
 Lab File: VL038852.D
 Acq: 7 Apr 2022 22:10

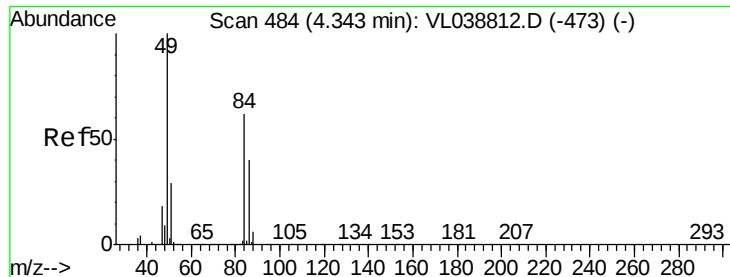
Tot Ion: 59 Resp: 37486
 Ion Ratio Lower Upper
 59 100
 57 164.9 8.5 12.7#



#19
 Isopropyl Alcohol
 Concen: 18.196 ppbv
 RT: 3.99 min Scan# 375
 Delta R.T. 0.04 min
 Lab File: VL038852.D
 Acq: 7 Apr 2022 22:10

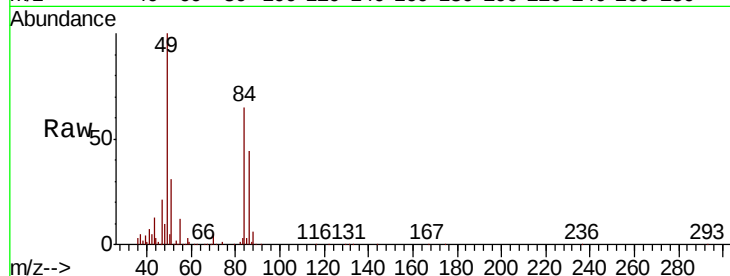
Tgt Ion: 45 Resp: 1168825
 Ion Ratio Lower Upper
 45 100
 58 0.0 0.0 0.0



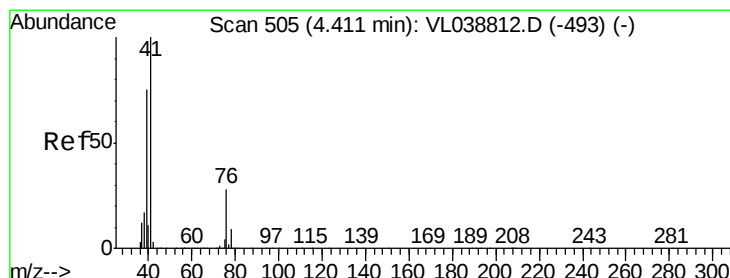
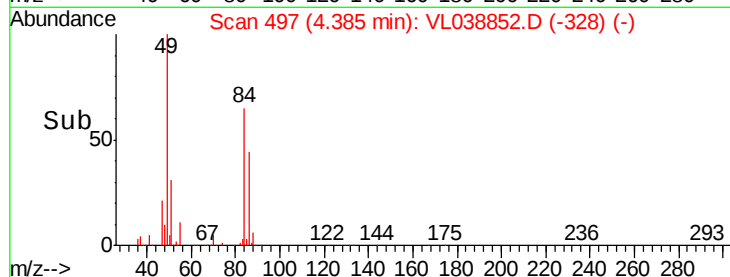
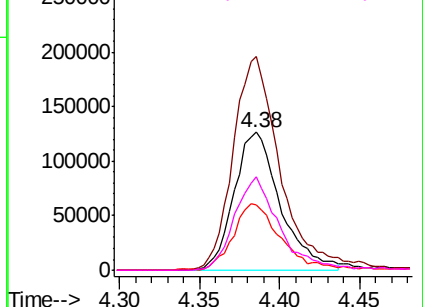


#20
Methylene Chloride
Concen: 5.495 ppbv
RT: 4.38
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
Acq: 7 Apr 2022 22:10

Tot Ion:	84	Resp:	250459
Ion	Ratio	Lower	Upper
84	100		
49	154.4	129.4	194.0
51	46.8	37.4	56.2
86	67.2	51.4	77.2

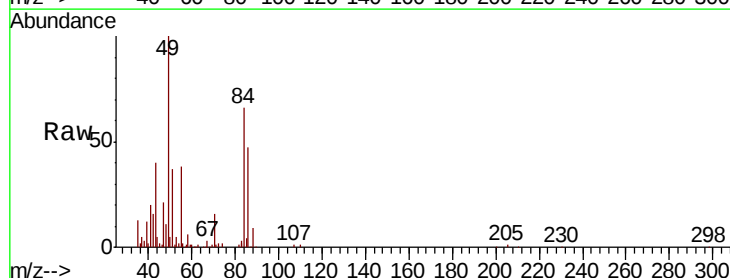


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

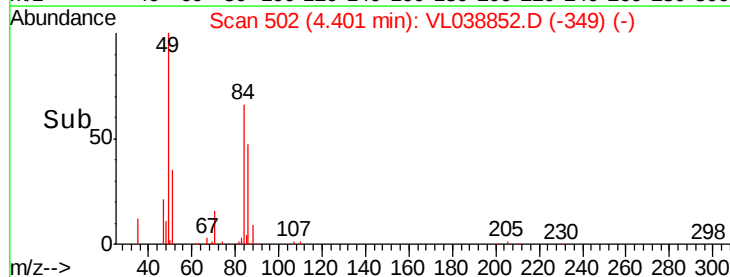
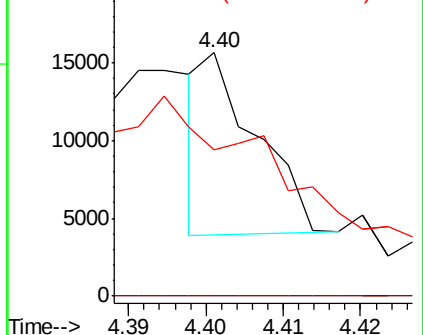


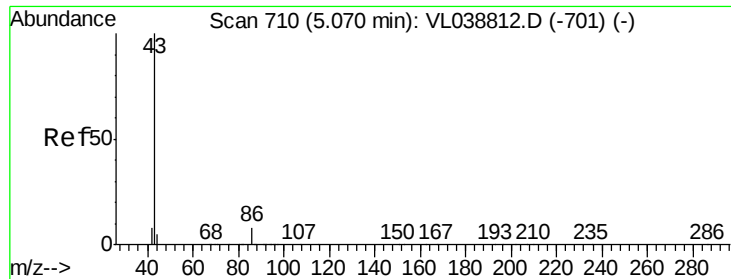
#21
Allyl Chloride
Concen: 0.060 ppbv
RT: 4.40 min Scan# 502
Delta R.T. -0.01 min
Lab File: VL038852.D
Acq: 7 Apr 2022 22:10

Tgt Ion:	41	Resp:	5608
Ion	Ratio	Lower	Upper
41	100		
76	1.2	23.7	35.5#
39	0.0	62.0	93.0#



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0





#23

Vinyl Acetate

Concen: 1.020 ppbv

RT: 5.09 Instrument:

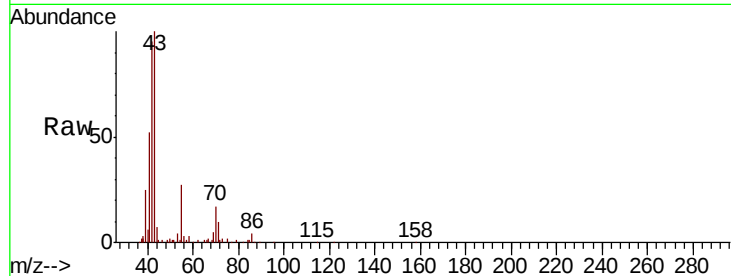
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

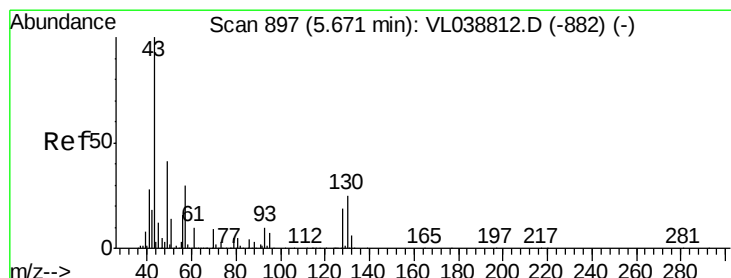
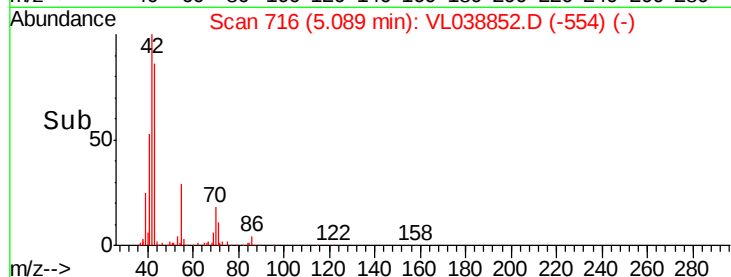
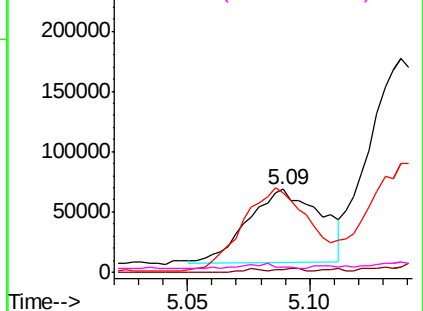
Acq: 7 Apr 2022 22:10

Tot Ion: 43 Resp: 124780

Ion	Ratio	Lower	Upper
43	100		
86	4.4	5.8	8.6#
42	107.5	7.8	11.6#
44	2.2	3.6	5.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0



#25

Ethyl Acetate

Concen: 1.767 ppbv

RT: 5.71 min Scan# 910

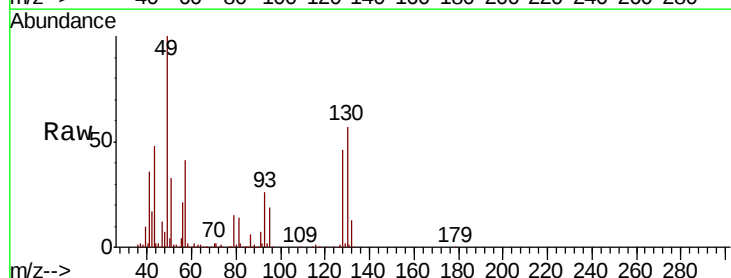
Delta R.T. 0.04 min

Lab File: VL038852.D

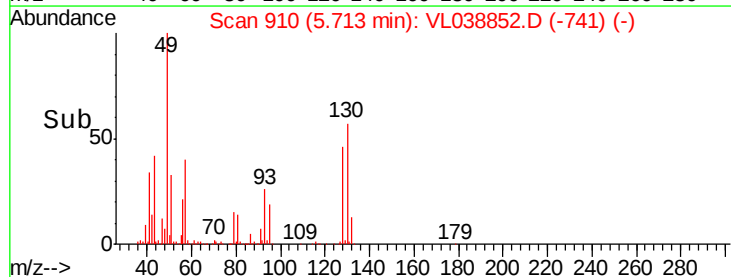
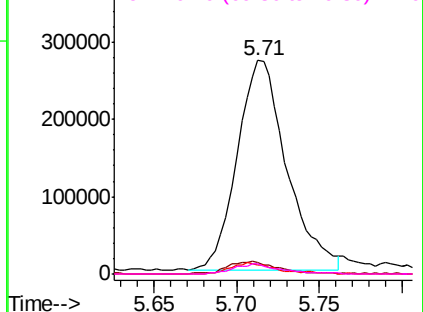
Acq: 7 Apr 2022 22:10

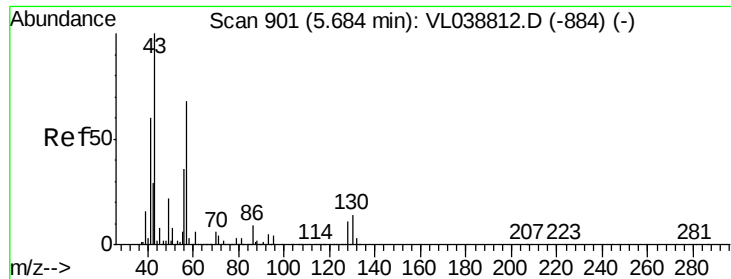
Tgt Ion: 43 Resp: 563356

Ion	Ratio	Lower	Upper
43	100		
45	6.4	8.4	12.6#
61	5.1	7.9	11.9#
70	4.7	5.6	8.4#



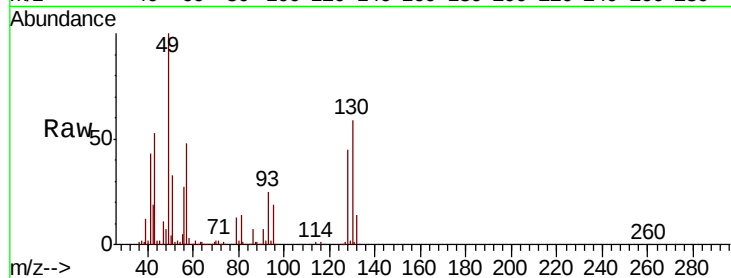
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 45.10 (44.80 to 45.80): VL0
 Ion 61.10 (60.80 to 61.80): VL0
 Ion 70.10 (69.80 to 70.80): VL0





#26
Hexane
Concen: 3.551 ppbv
RT: 5.72
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Apr 2022 22:10

Tot Ion	Ratio	Lower	Upper
57	100		
41	90.5	72.0	108.0
43	116.5	186.6	280.0
56	55.5	42.8	64.2



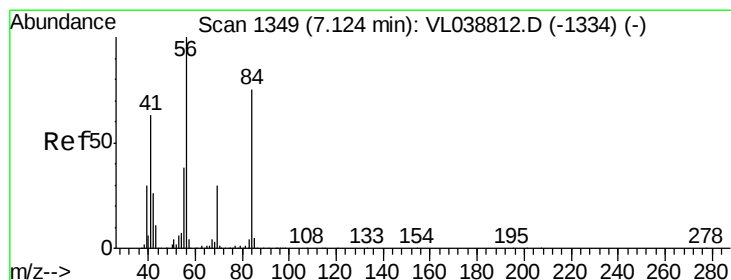
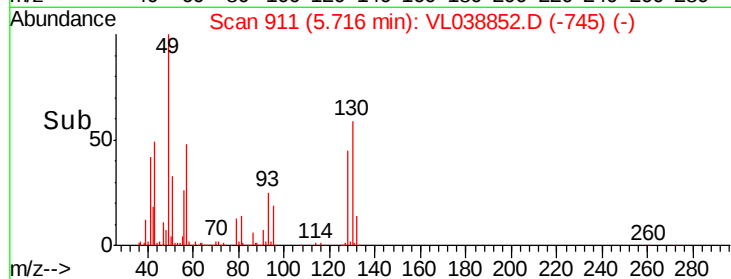
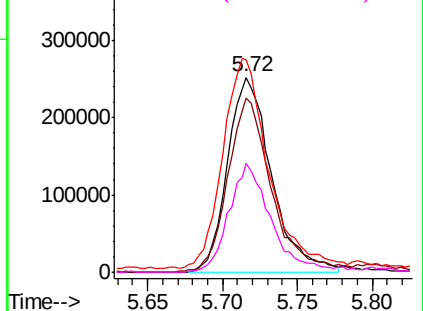
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

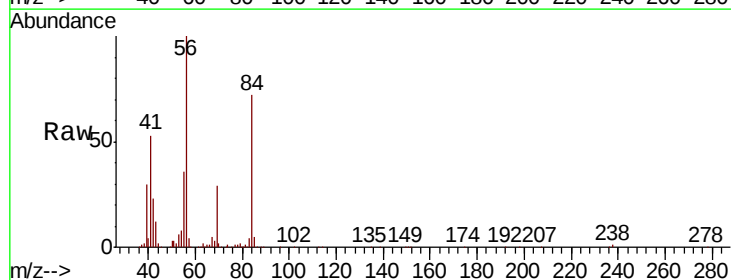
Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#30
Cyclohexane
Concen: 1.495 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. 0.04 min
Lab File: VL038852.D
Acq: 7 Apr 2022 22:10

Tgt Ion	Ratio	Lower	Upper
84	100		
56	136.2	114.4	171.6
41	81.9	69.0	103.4

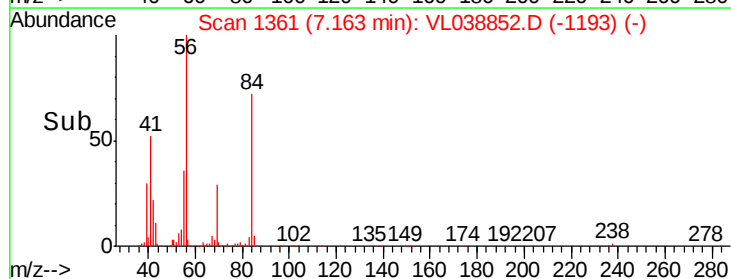
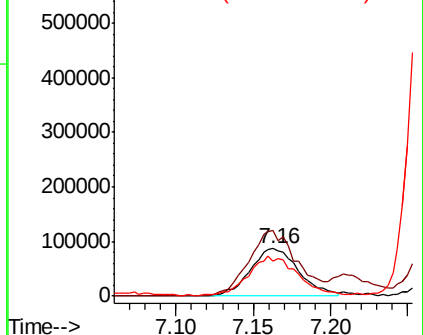


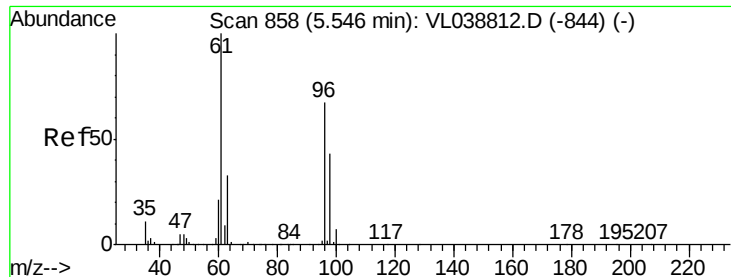
Abundance

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





#31

cis-1,2-Dichloroethene

Concen: 0.177 ppbv

RT: 5.71 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 7 Apr 2022 22:10

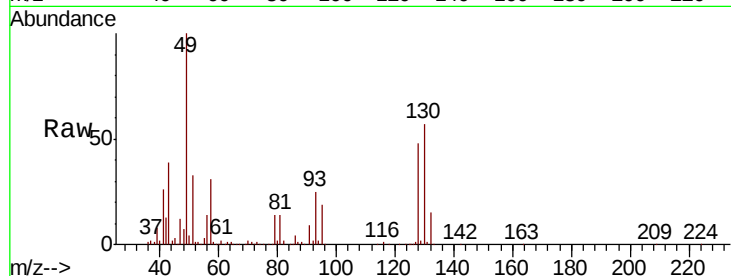
Tot Ion: 61 Resp: 23675

Ion Ratio Lower Upper

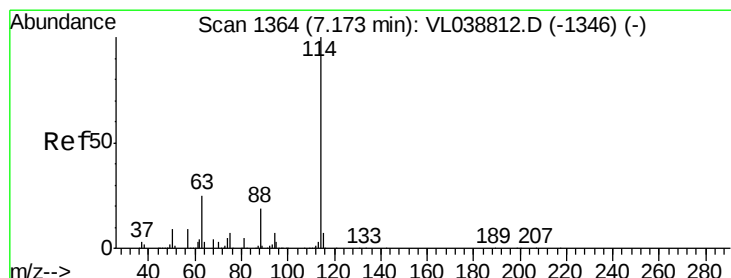
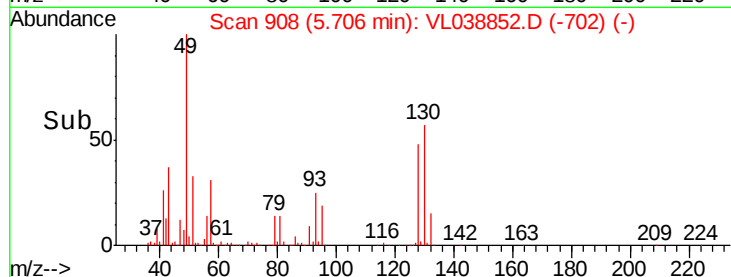
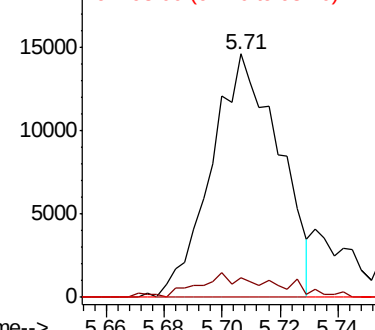
61 100

96 6.7 53.4 80.0#

98 0.0 34.2 51.4#



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



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.21 min Scan# 1377

Delta R.T. 0.04 min

Lab File: VL038852.D

Acq: 7 Apr 2022 22:10

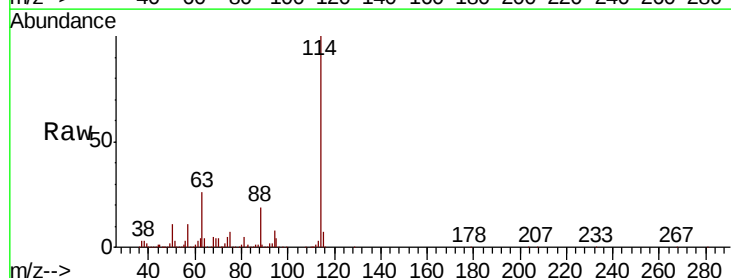
Tgt Ion: 114 Resp: 3108758

Ion Ratio Lower Upper

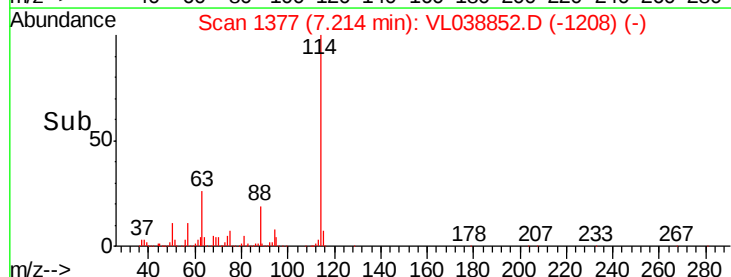
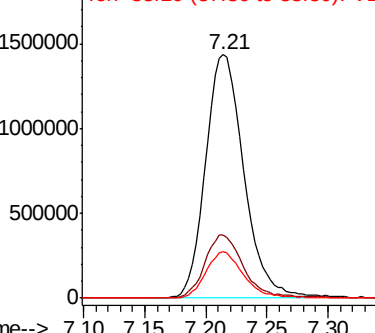
114 100

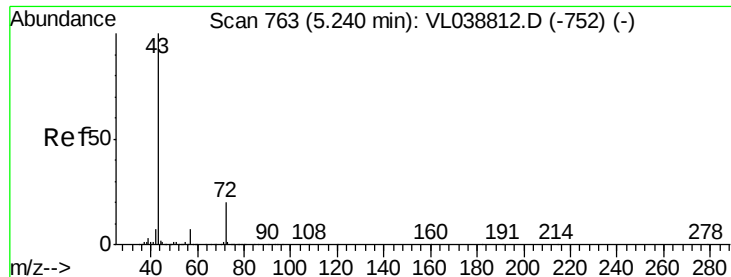
63 26.6 19.8 29.8

88 18.9 14.2 21.4



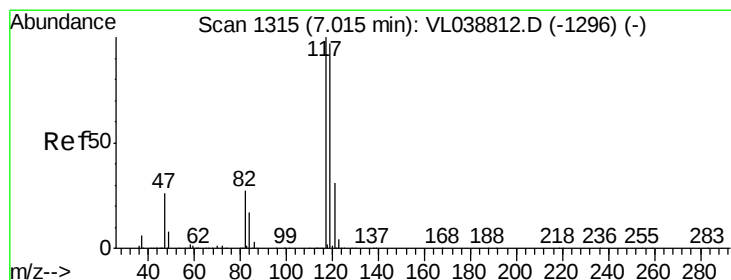
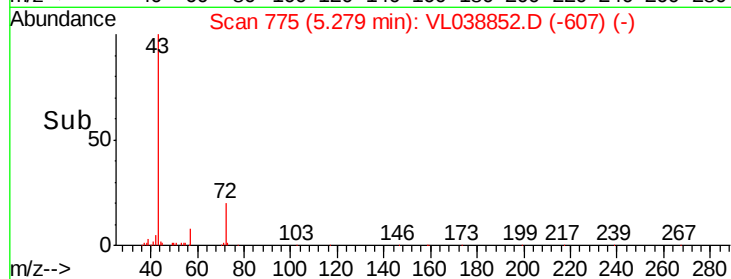
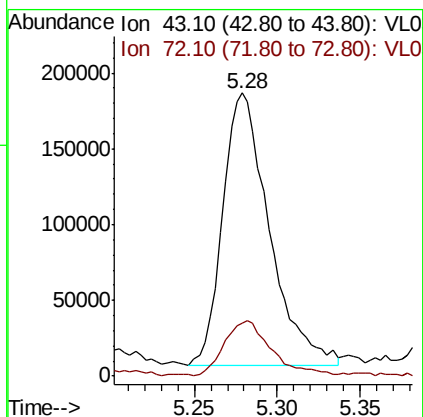
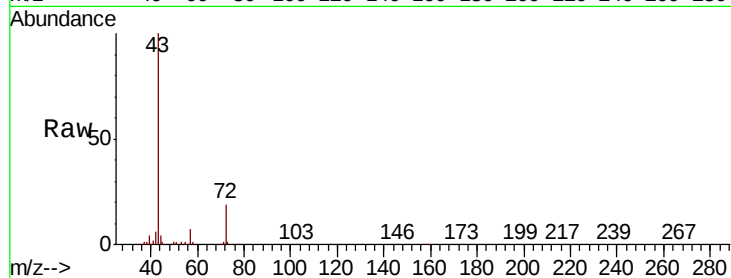
Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





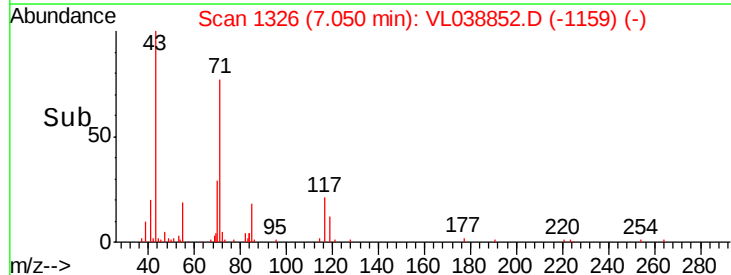
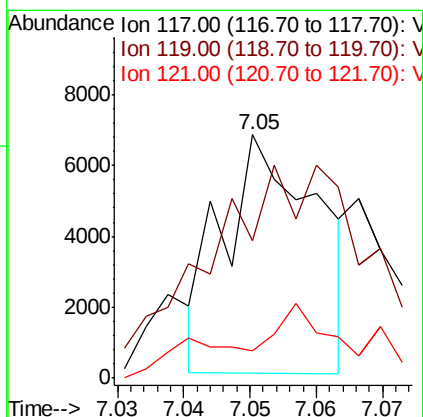
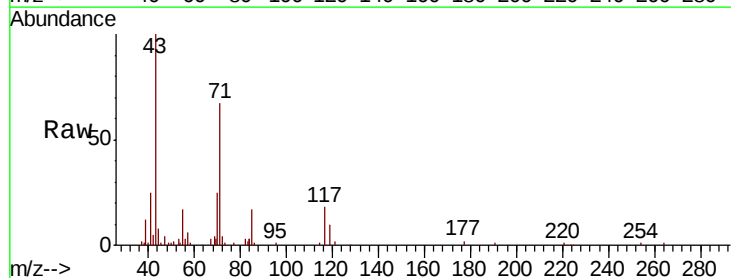
#34
2-Butanone
Concen: 2.844 ppbv
RT: 5.28
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Apr 2022 22:10

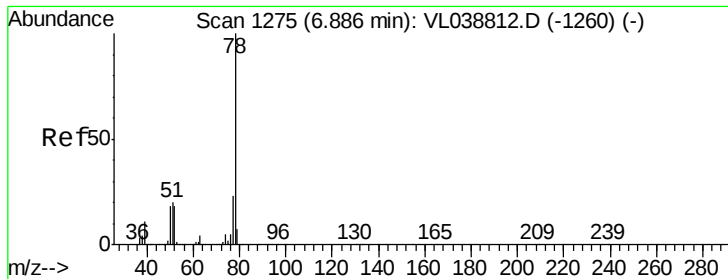
Tot Ion: 43 Resp: 349344
Ion Ratio Lower Upper
43 100
72 22.1 16.9 25.3



#35
Carbon Tetrachloride
Concen: 0.036 ppbv
RT: 7.05 min Scan# 1326
Delta R.T. 0.04 min
Lab File: VL038852.D
Acq: 7 Apr 2022 22:10

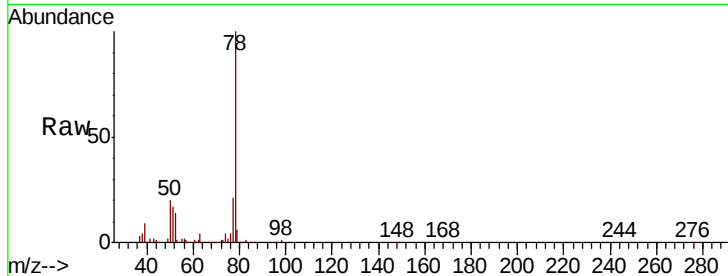
Tgt Ion: 117 Resp: 6635
Ion Ratio Lower Upper
117 100
119 13.0 77.7 116.5#
121 0.0 24.5 36.7#





#36
Benzene
Concen: 0.974 ppbv
RT: 6.93
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Apr 2022 22:10

Tot Ion	Ratio	Lower	Upper
78	100		
77	20.8	18.2	27.2
50	19.4	14.0	21.0

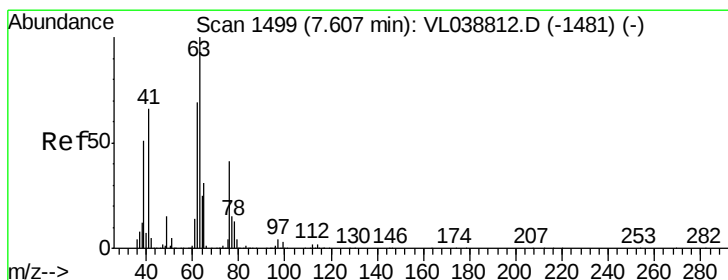
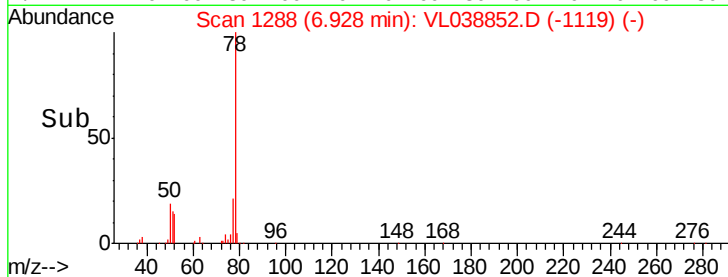
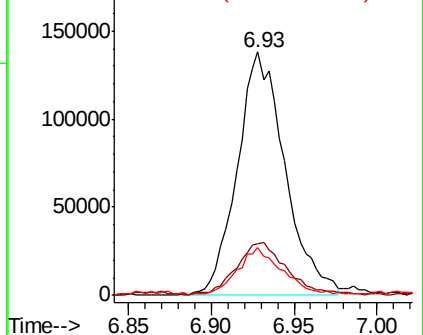


Abundance

Ion 78.10 (77.80 to 78.80): VL0

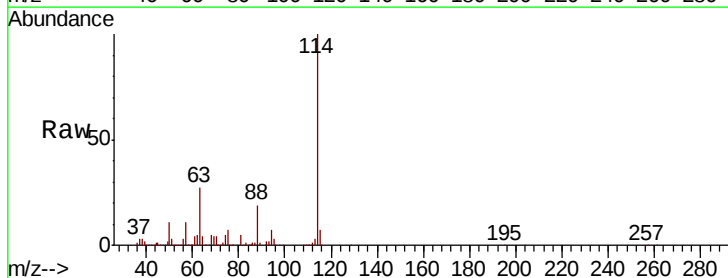
Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0



#39
1,2-Dichloropropane
Concen: 7.364 ppbv
RT: 7.21 min Scan# 1376
Delta R.T. -0.40 min
Lab File: VL038852.D
Acq: 7 Apr 2022 22:10

Tgt Ion	Ratio	Lower	Upper
63	100		
41	0.0	53.0	79.6#
62	18.0	55.0	82.4#

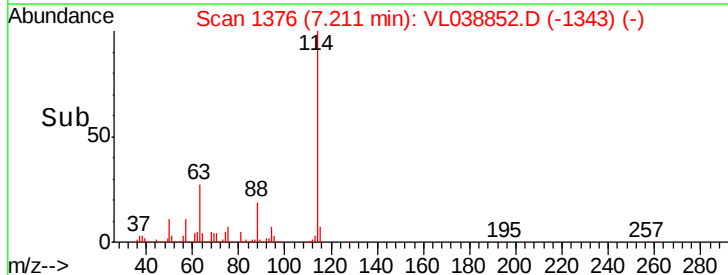
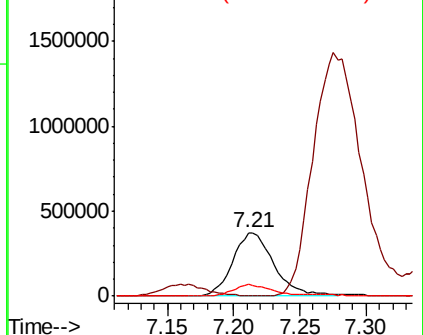


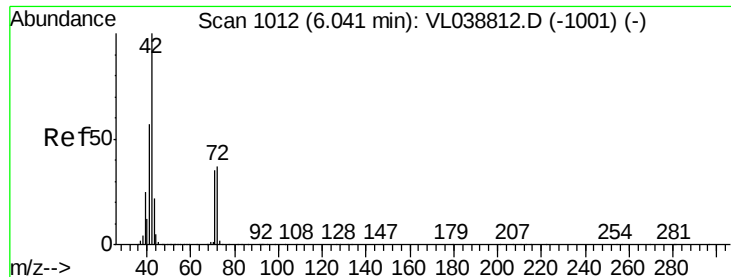
Abundance

Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

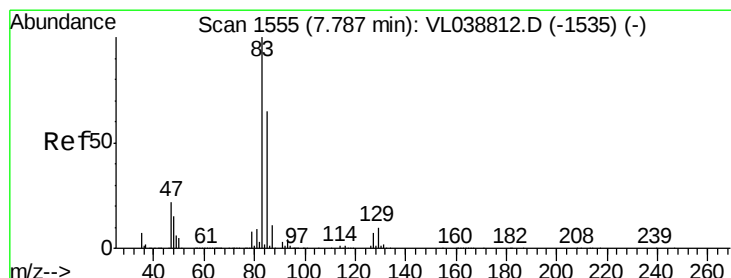
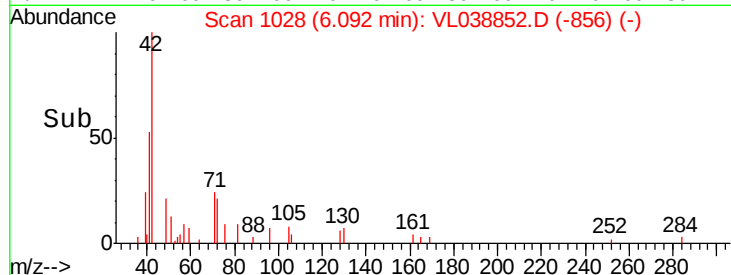
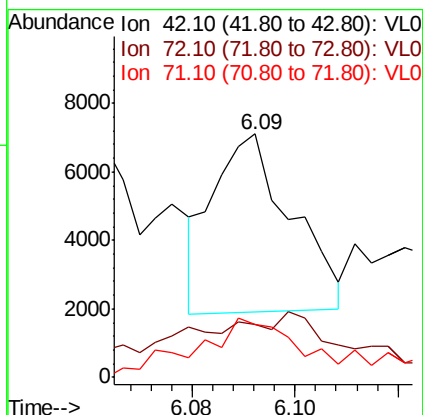
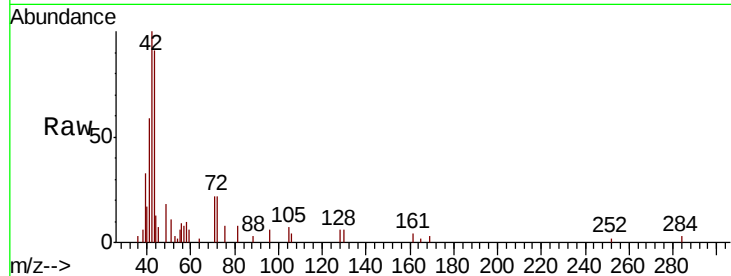
Ion 62.10 (61.80 to 62.80): VL0





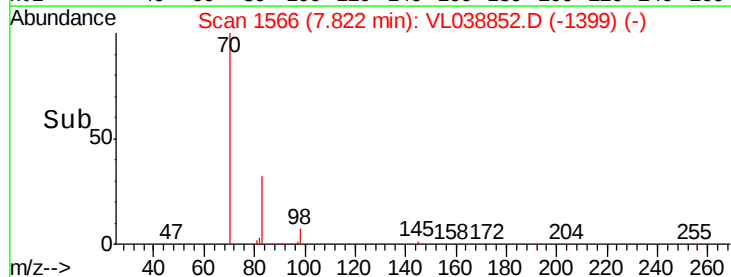
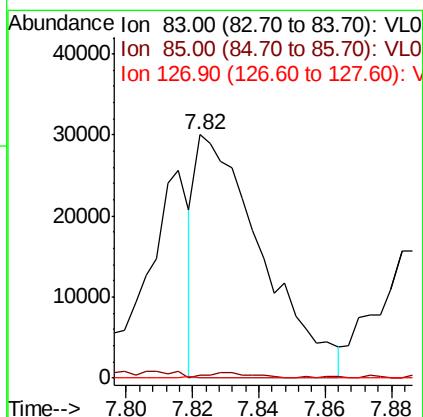
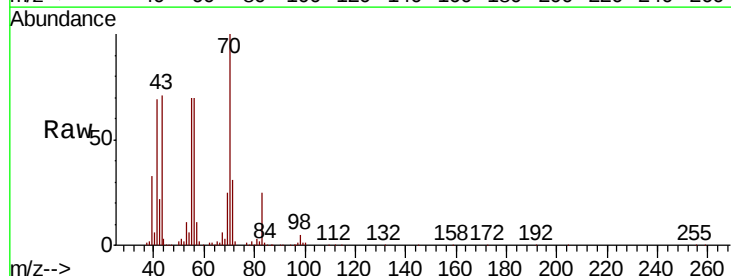
#41
Tetrahydrofuran
Concen: 0.047 ppbv
RT: 6.09
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 7 Apr 2022 22:10

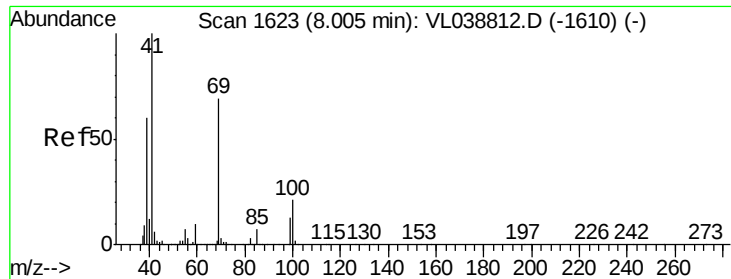
Tot Ion: 42 Resp: 5455
Ion Ratio Lower Upper
42 100
72 88.9 31.4 47.0#
71 57.7 30.2 45.4#



#42
Bromodichloromethane
Concen: 0.204 ppbv
RT: 7.82 min Scan# 1566
Delta R.T.: 0.04 min
Lab File: VL038852.D
Acq: 7 Apr 2022 22:10

Tgt Ion: 83 Resp: 41613
Ion Ratio Lower Upper
83 100
85 1.1 51.7 77.5#
127 0.0 5.9 8.9#





#43

Methyl Methacrylate

Concen: 0.047 ppbv

RT: 8.05 Instrument: MSVOA_1

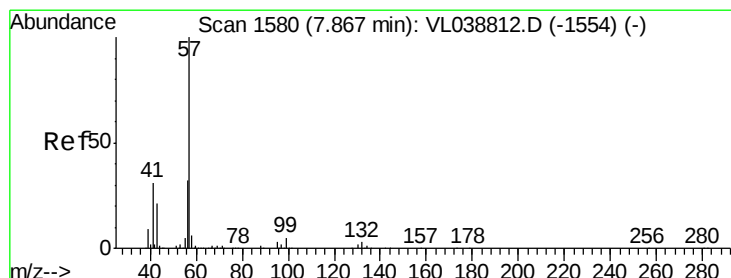
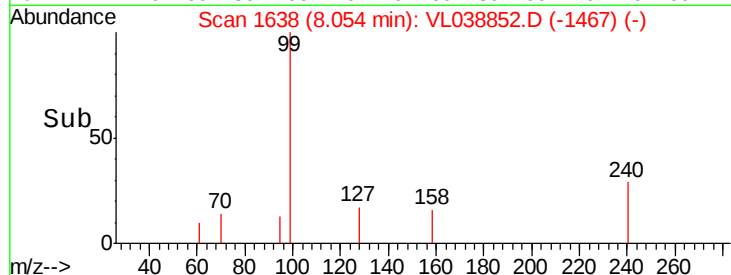
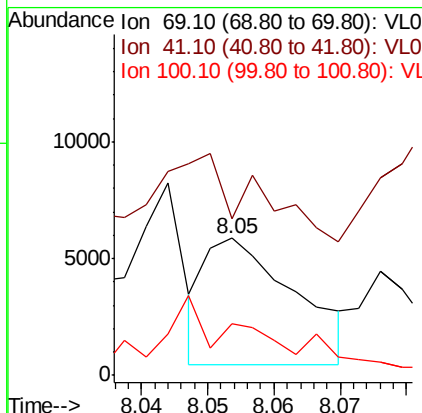
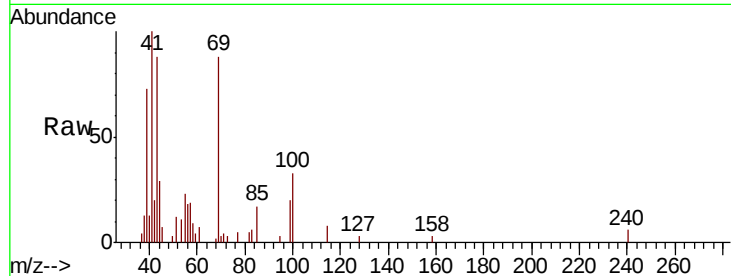
Delta R.T. ClientSampleId:

Lab File: 1160-1-SG-2

Acq: 7 Apr 2022 22:10

Tot Ion: 69 Resp: 5124

Ion	Ratio	Lower	Upper
69	100		
41	0.0	119.0	178.4#
100	0.0	26.4	39.6#



#44

2,2,4-Trimethylpentane

Concen: 3.374 ppbv

RT: 7.90 min Scan# 1591

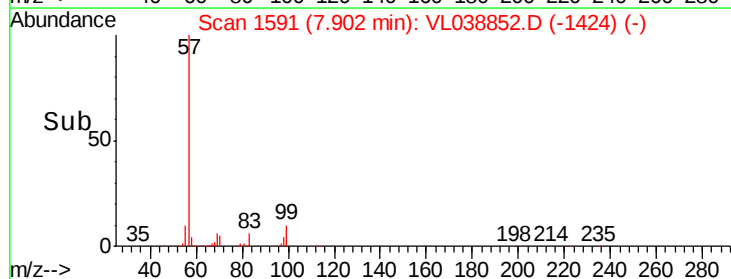
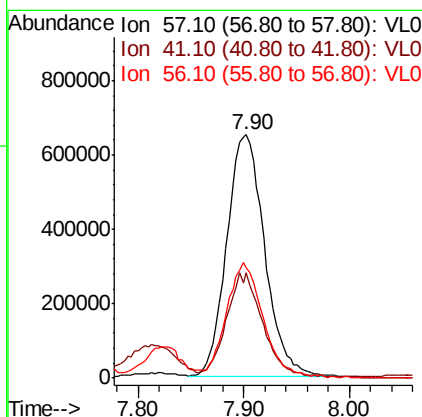
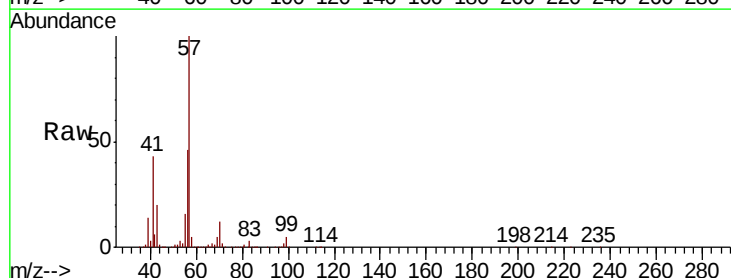
Delta R.T. 0.04 min

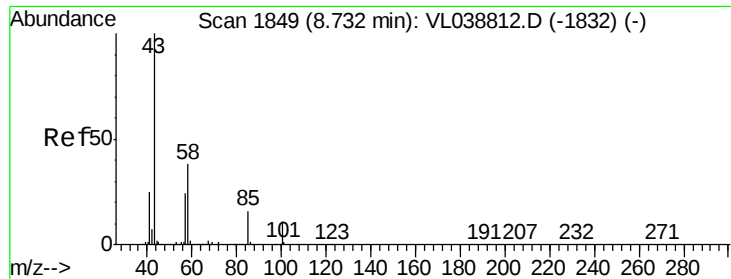
Lab File: VL038852.D

Acq: 7 Apr 2022 22:10

Tgt Ion: 57 Resp: 1615343

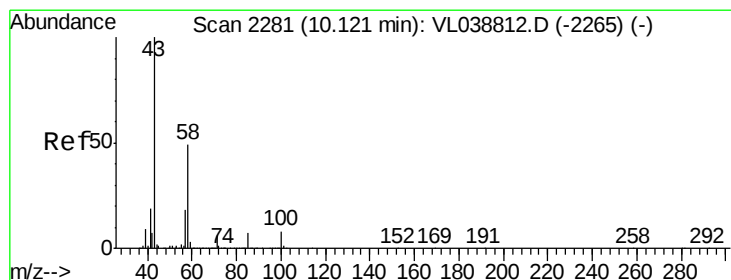
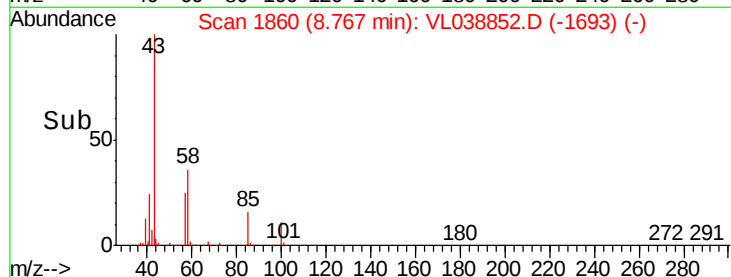
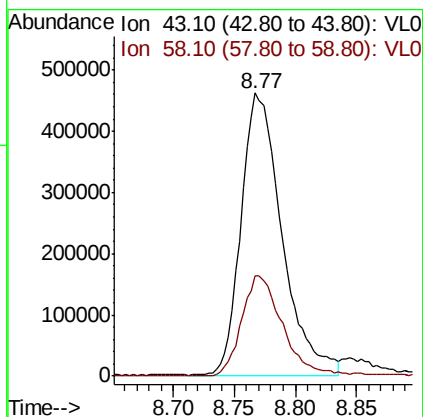
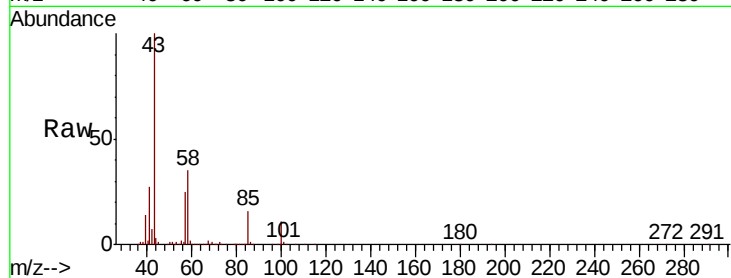
Ion	Ratio	Lower	Upper
57	100		
41	41.1	25.0	37.4#
56	47.2	25.3	37.9#





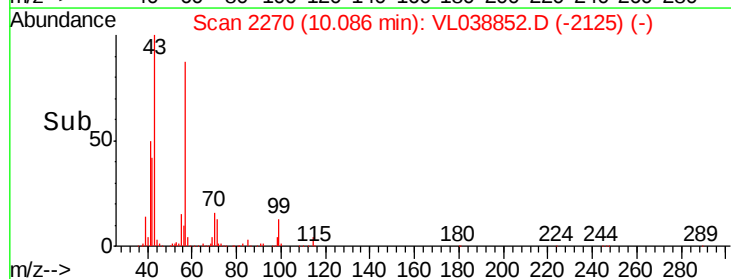
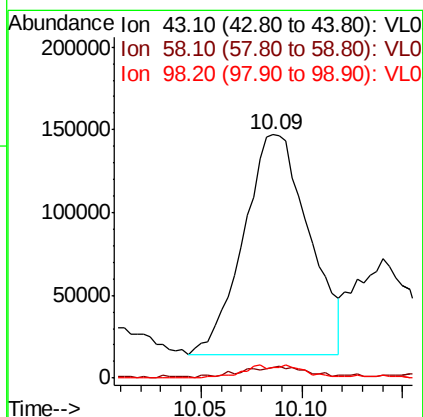
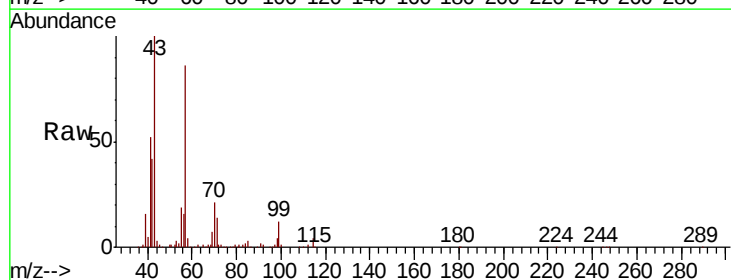
#50
 4-Methyl-2-pentanone
 Concen: 3.864 ppbv
 RT: 8.77
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 7 Apr 2022 22:10

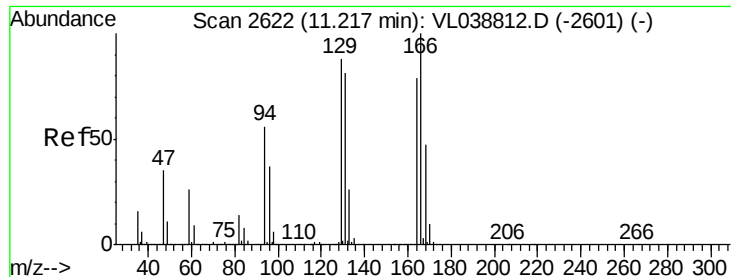
Tot Ion: 43 Resp: 1067766
 Ion Ratio Lower Upper
 43 100
 58 36.1 29.0 43.6



#51
 2-Hexanone
 Concen: 1.446 ppbv
 RT: 10.09 min Scan# 2270
 Delta R.T. -0.04 min
 Lab File: VL038852.D
 Acq: 7 Apr 2022 22:10

Tgt Ion: 43 Resp: 300958
 Ion Ratio Lower Upper
 43 100
 58 5.7 41.4 62.0#
 98 6.2 0.1 0.1#





#52

Tetrachloroethene

Concen: 0.638 ppbv

RT: 11.26

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Apr 2022 22:10

Tot Ion:164 Resp: 63033

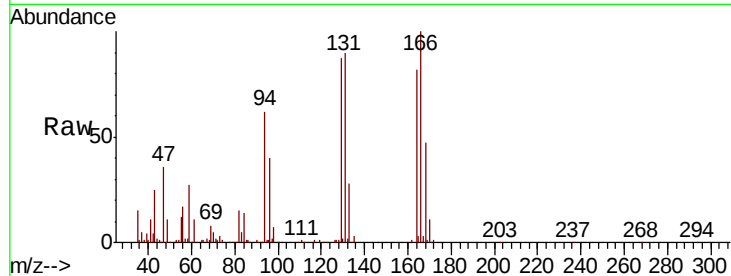
Ion Ratio Lower Upper

164 100

166 121.2 101.0 151.6

129 107.6 88.7 133.1

131 110.0 81.8 122.6

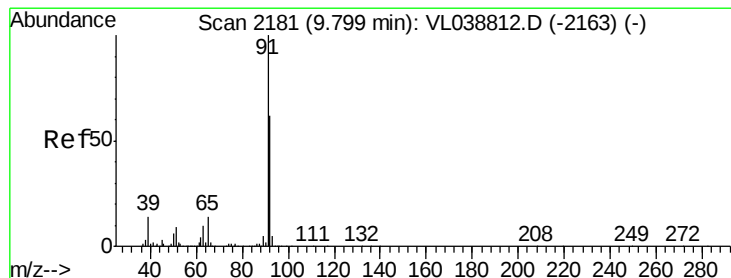
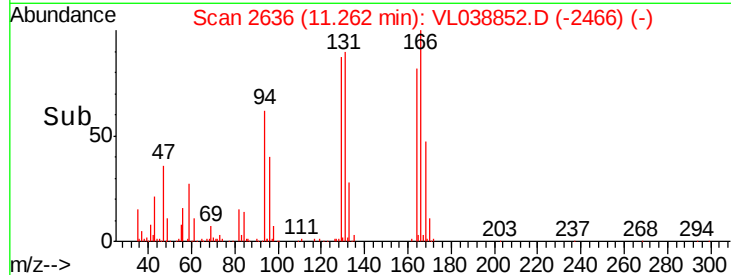
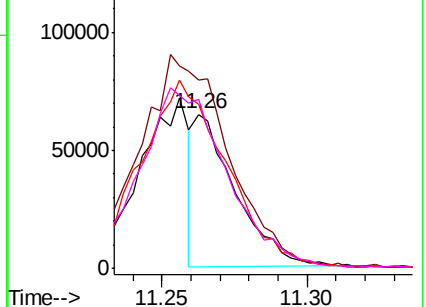


Abundance Ion 163.90 (163.60 to 164.60): V

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: 5.827 ppbv

RT: 9.84 min Scan# 2194

Delta R.T. 0.04 min

Lab File: VL038852.D

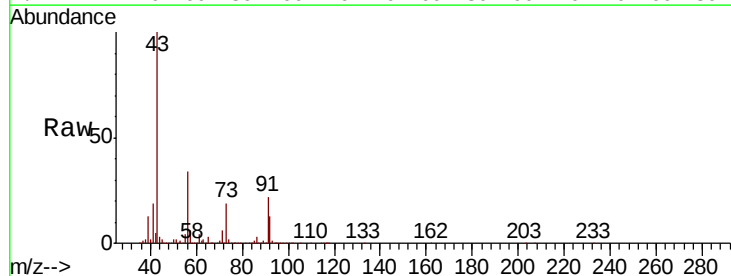
Acq: 7 Apr 2022 22:10

Tgt Ion: 91 Resp: 1902226

Ion Ratio Lower Upper

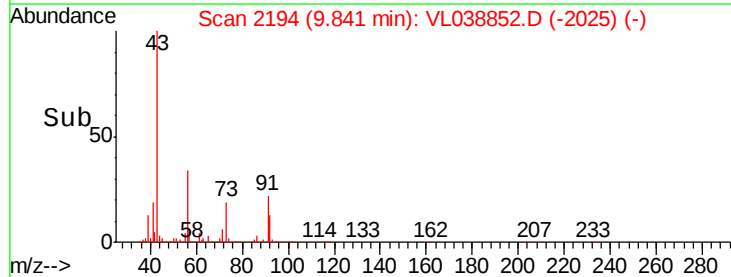
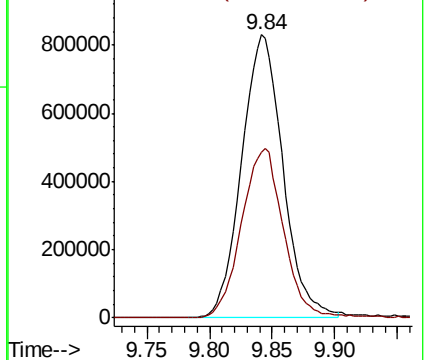
91 100

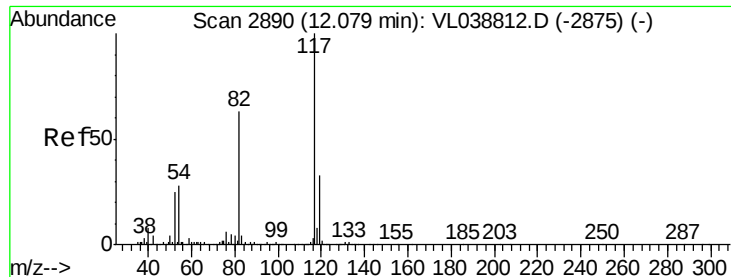
92 61.5 49.2 73.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

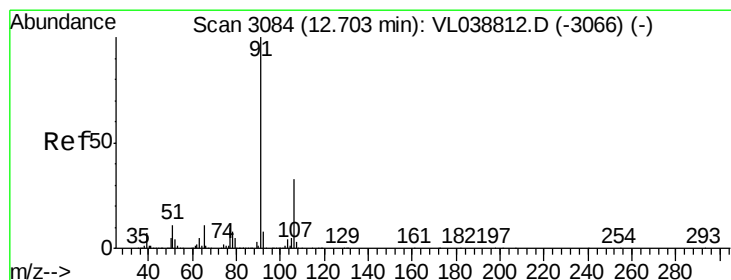
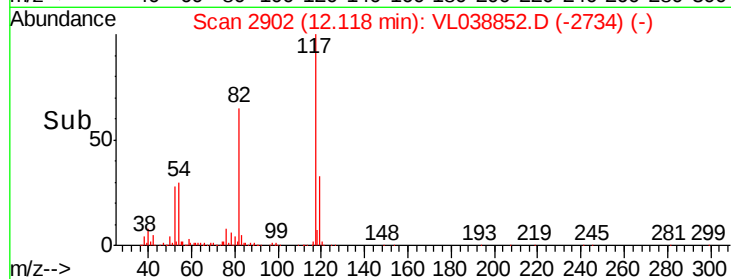
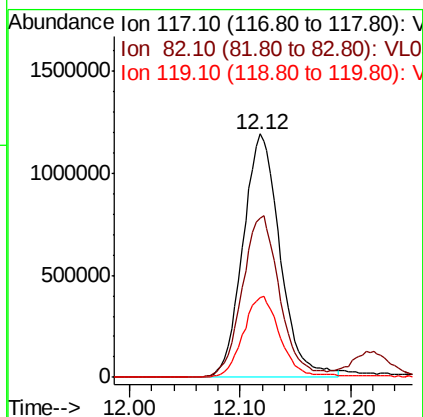
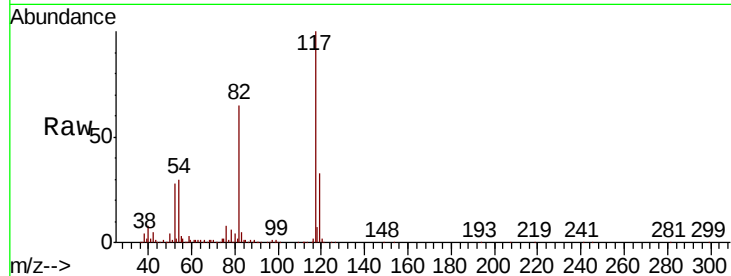
Ion 92.10 (91.80 to 92.80): VL0





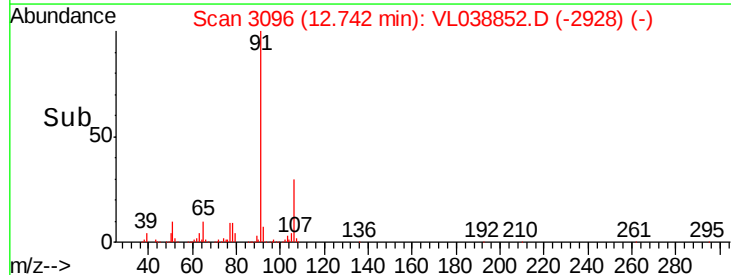
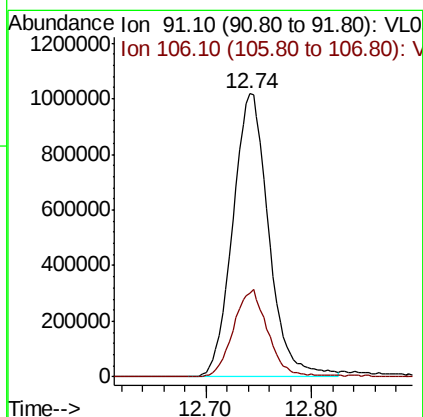
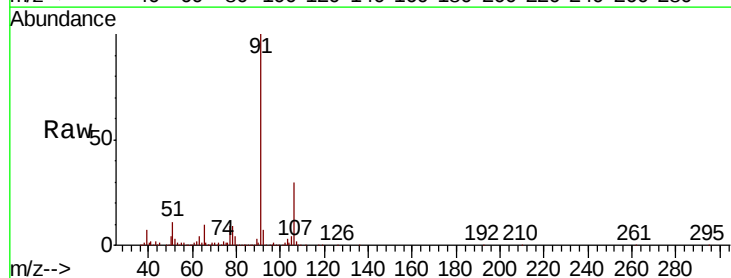
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 7 Apr 2022 22:10

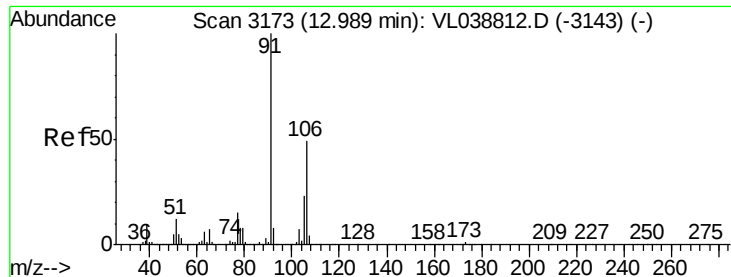
Tot Ion: 117 Resp: 2781134
Ion Ratio Lower Upper
117 100
82 67.2 53.0 79.6
119 34.3 24.9 37.3



#58
Ethyl Benzene
Concen: 5.790 ppbv
RT: 12.74 min Scan# 3096
Delta R.T.: 0.04 min
Lab File: VL038852.D
Acq: 7 Apr 2022 22:10

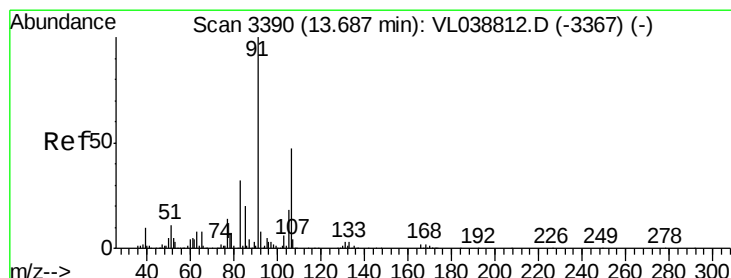
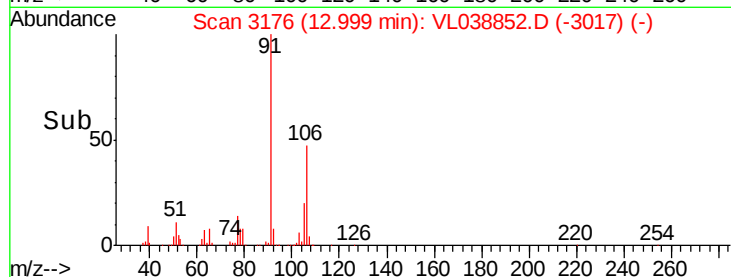
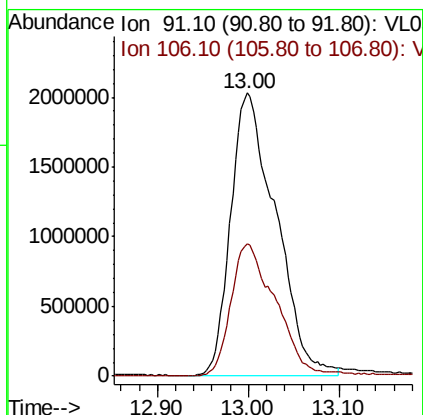
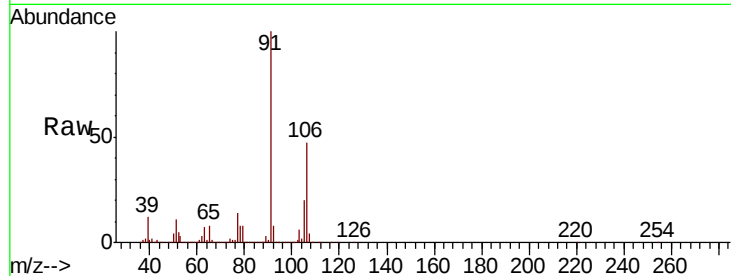
Tgt Ion: 91 Resp: 2406384
Ion Ratio Lower Upper
91 100
106 29.6 26.7 40.1





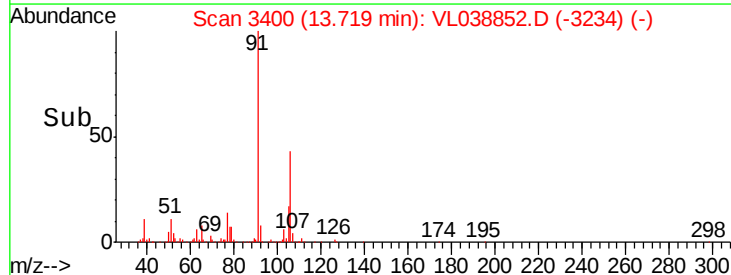
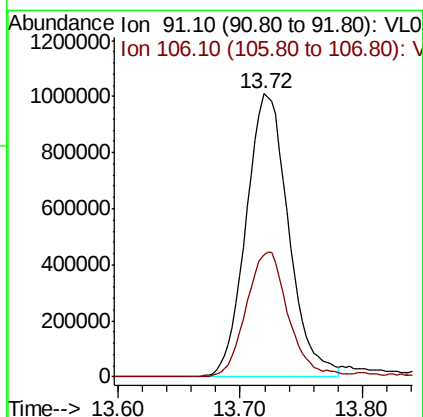
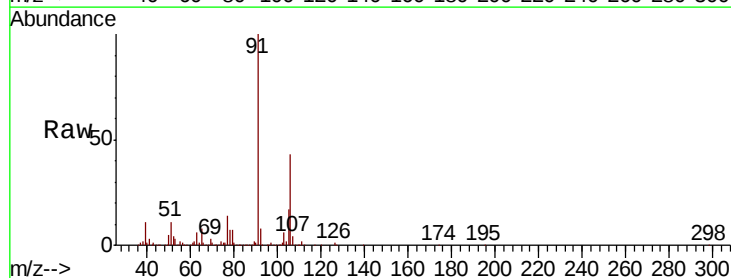
#59
m/p-Xylene
Concen: 19.898 ppbv
RT: 13.00
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
Acq: 7 Apr 2022 22:10

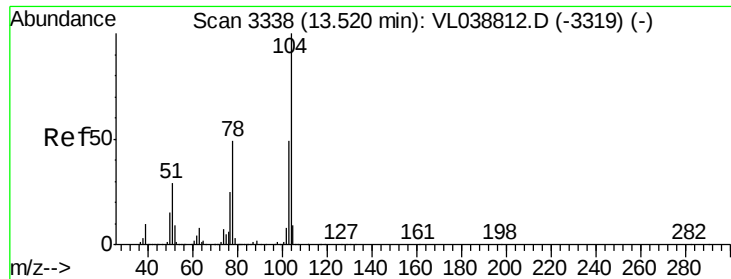
Tot Ion: 91 Resp: 6947427
Ion Ratio Lower Upper
91 100
106 47.7 37.1 55.7



#60
o-Xylene
Concen: 7.416 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. 0.03 min
Lab File: VL038852.D
Acq: 7 Apr 2022 22:10

Tgt Ion: 91 Resp: 2422838
Ion Ratio Lower Upper
91 100
106 46.1 23.8 71.4





#61

Stvrene

Concen: 0.350 ppbv

RT: 13.56

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 7 Apr 2022 22:10

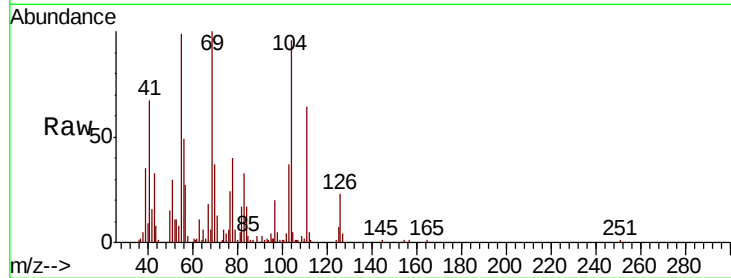
Tot Ion:104 Resp: 69578

Ion Ratio Lower Upper

104 100

78 59.3 40.5 60.7

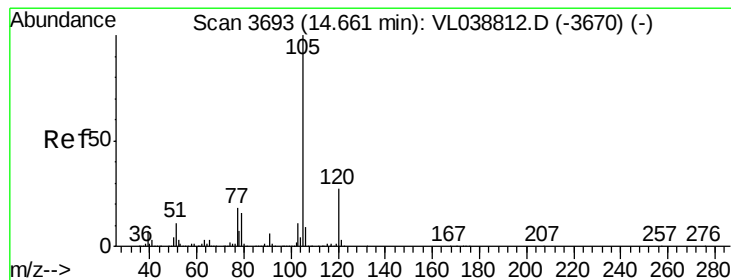
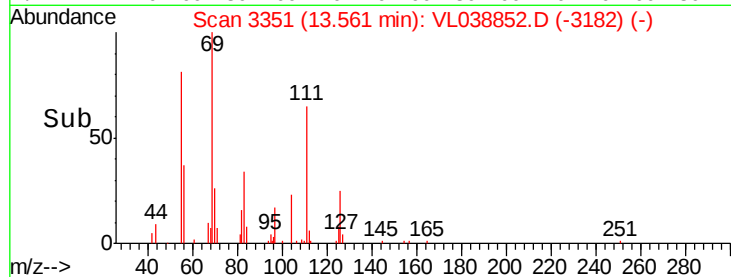
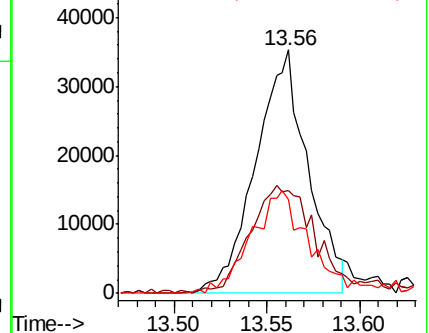
103 46.6 39.0 58.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 0.182 ppbv

RT: 14.70 min Scan# 3704

Delta R.T. 0.04 min

Lab File: VL038852.D

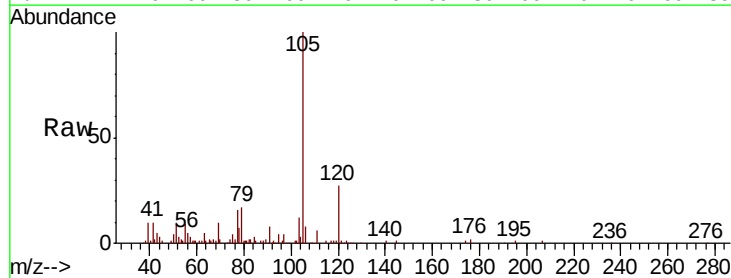
Acq: 7 Apr 2022 22:10

Tgt Ion:105 Resp: 89365

Ion Ratio Lower Upper

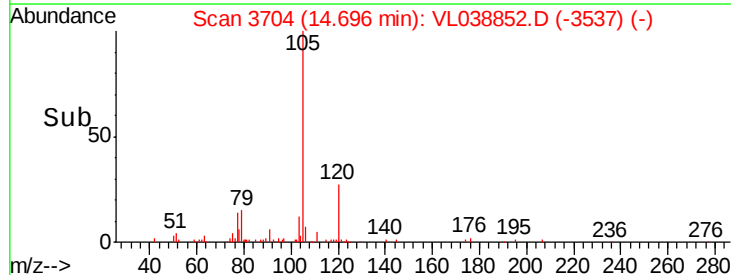
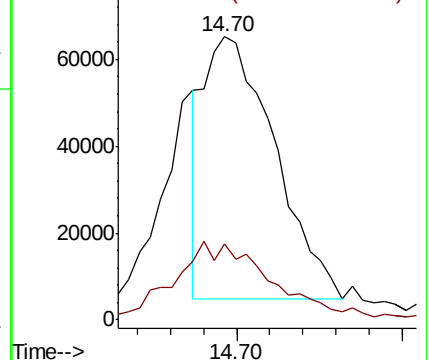
105 100

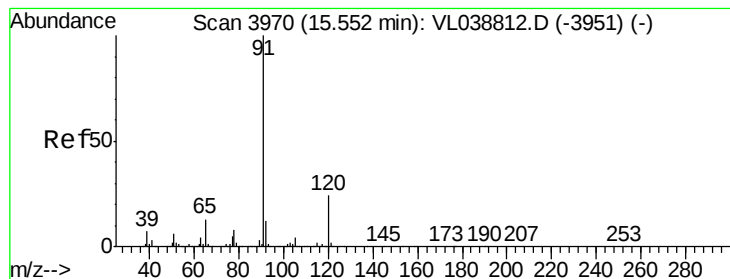
120 43.4 21.8 32.8#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#64

n-propylbenzene

Concen: 0.426 ppbv

RT: 15.59 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

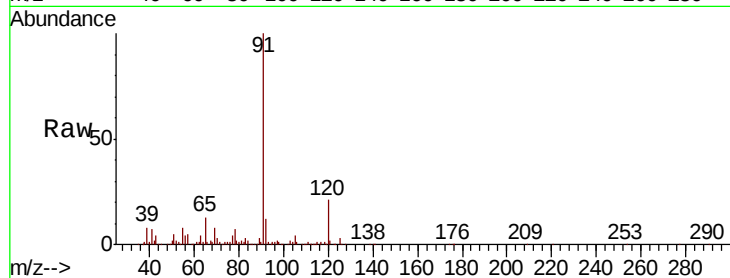
Acq: 7 Apr 2022 22:10

Tot Ion:120 Resp: 54258

Ion Ratio Lower Upper

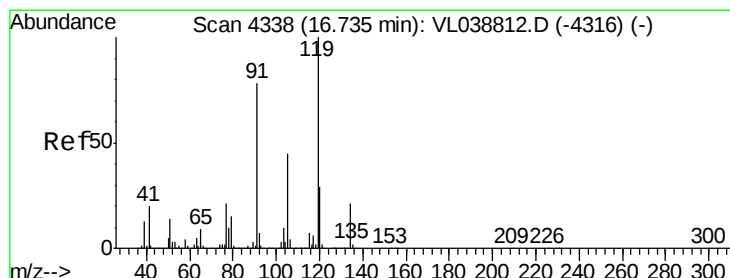
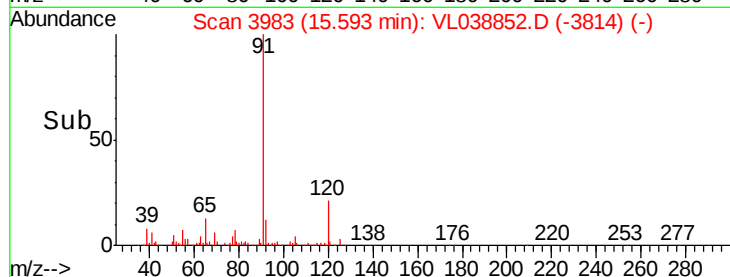
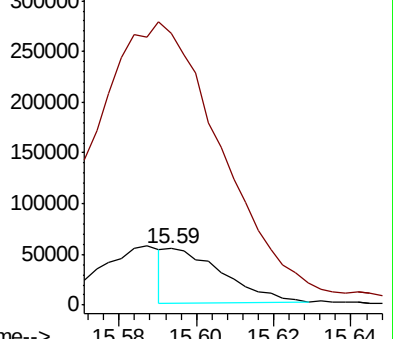
120 100

91 1275.8 360.6 540.8#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.263 ppbv

RT: 16.79 min Scan# 4354

Delta R.T. 0.05 min

Lab File: VL038852.D

Acq: 7 Apr 2022 22:10

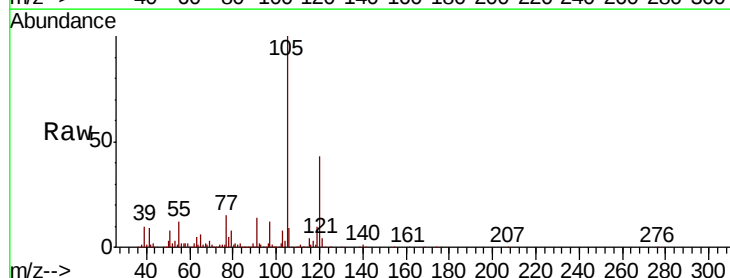
Tgt Ion:119 Resp: 114298

Ion Ratio Lower Upper

119 100

91 183.4 62.8 94.2#

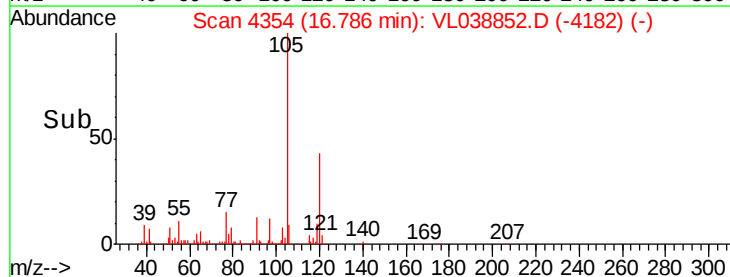
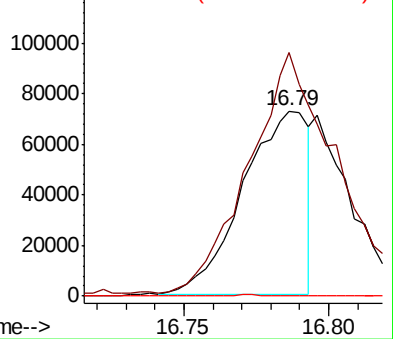
134 0.2 16.2 24.4#

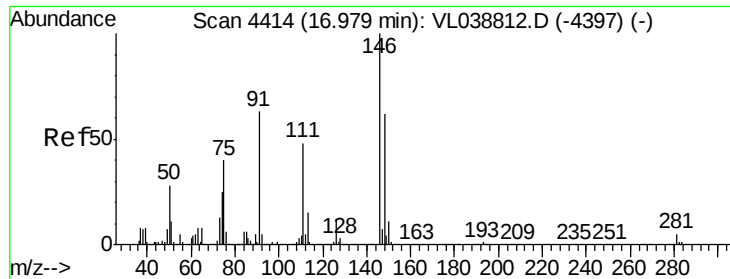


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

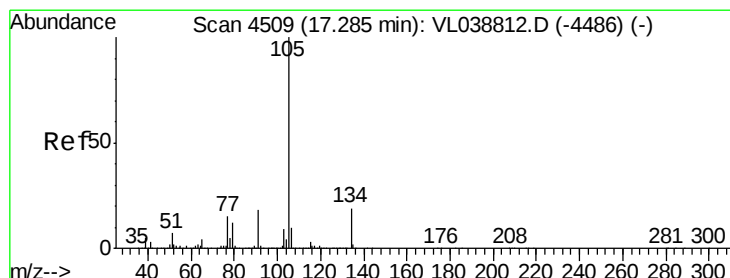
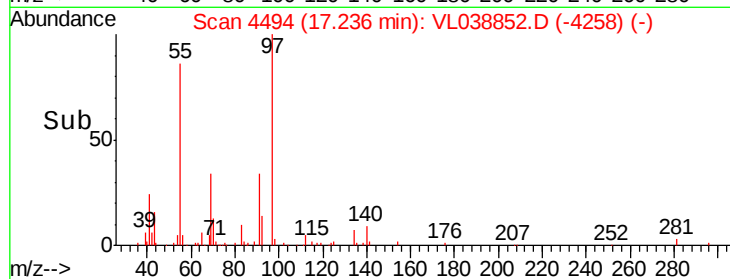
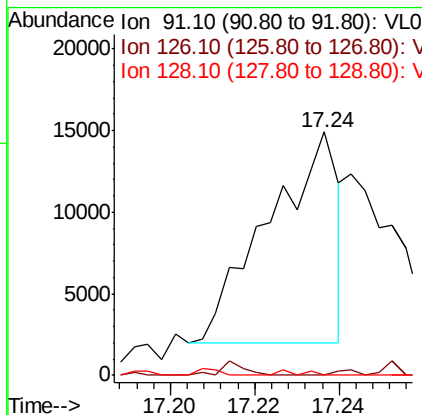
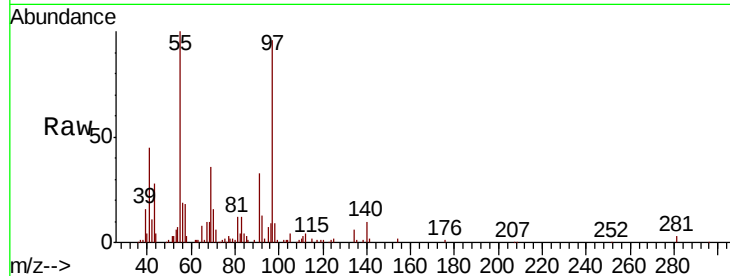
Ion 134.20 (133.90 to 134.90): V





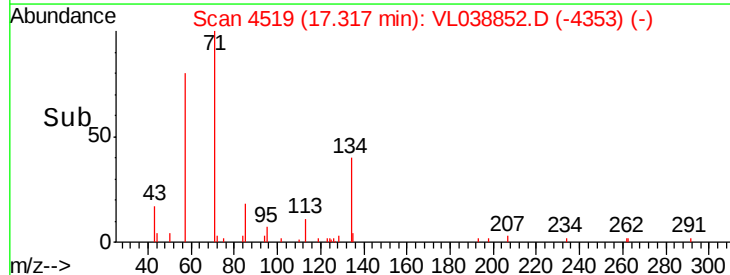
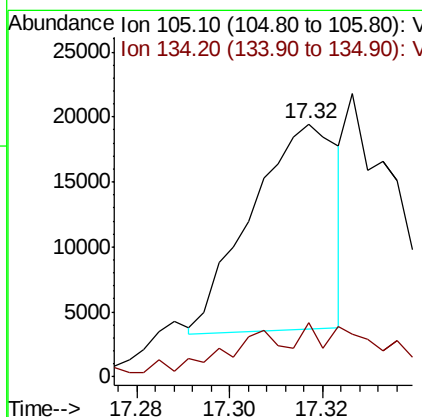
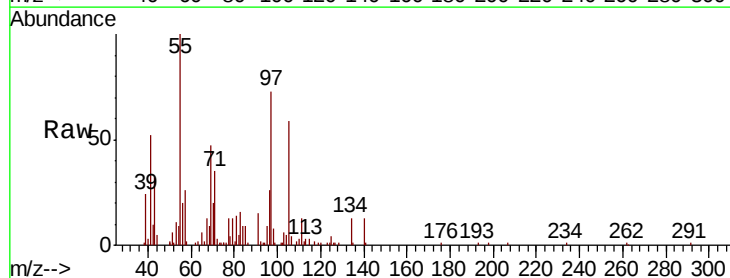
#66
Benzyl Chloride
Concen: 0.168 ppbv
RT: 17.24 min
Instrument: MSVOA_1
Delta R.T.: 0.03 min
Lab File: VL038812.D
Client Sample ID: 1160-1-SG-2
Acq: 7 Apr 2022 22:10

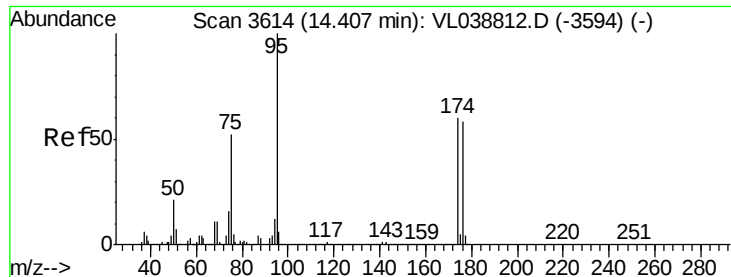
Tot Ion	Ratio	Lower	Upper
91	100		
126	2.2	15.4	23.0#
128	2.4	4.7	7.1#



#67
sec-Butylbenzene
Concen: 0.034 ppbv
RT: 17.32 min Scan# 4519
Delta R.T.: 0.03 min
Lab File: VL038852.D
Acq: 7 Apr 2022 22:10

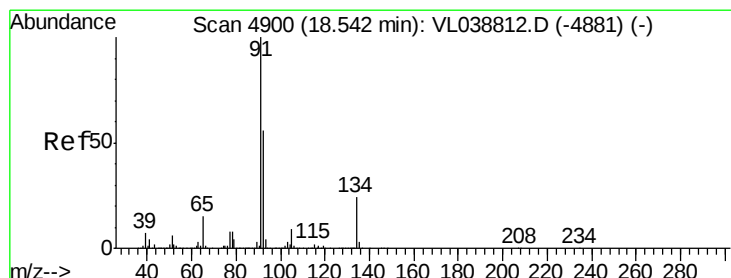
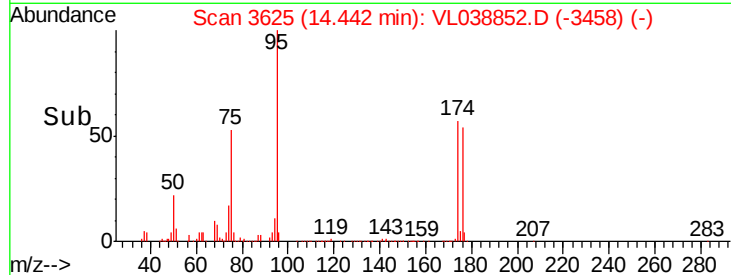
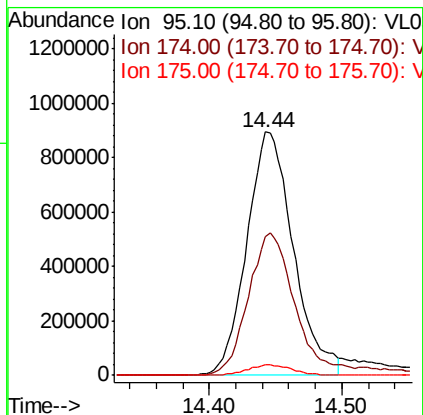
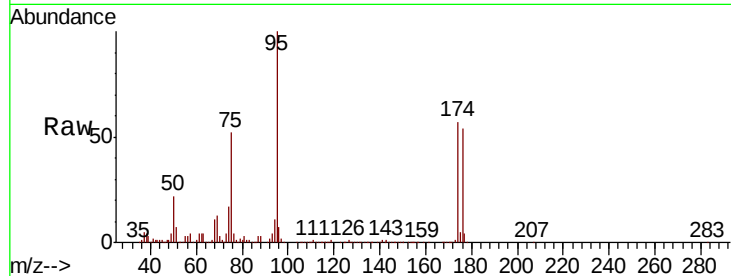
Tgt Ion	Ratio	Lower	Upper
105	100		
134	45.7	15.1	22.7#





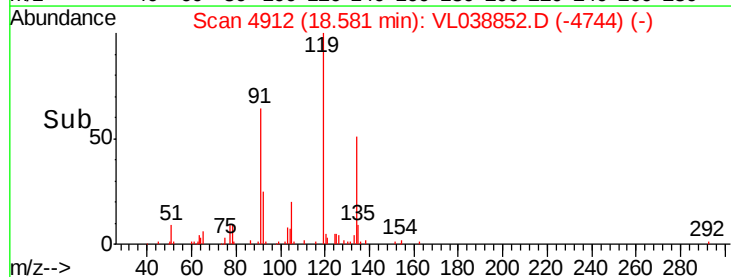
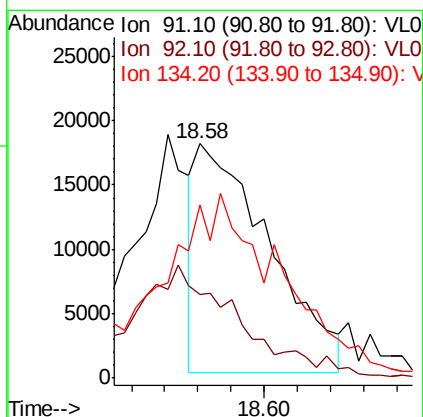
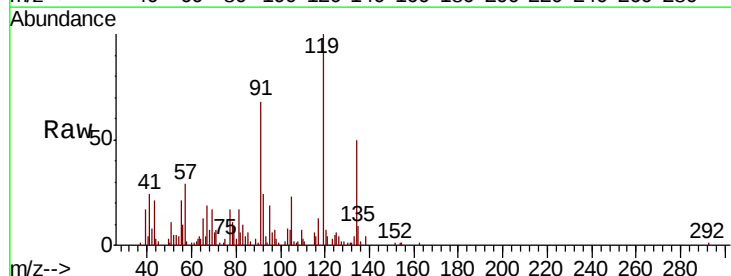
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.349 ppbv
 RT: 14.44 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 7 Apr 2022 22:10

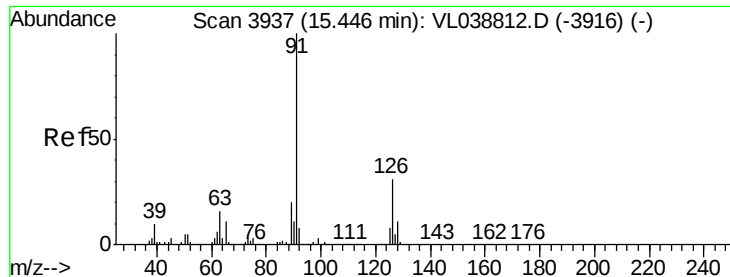
Tot Ion: 95 Resp: 2183260
 Ion Ratio Lower Upper
 95 100
 174 63.4 52.0 78.0
 175 4.3 4.0 6.0



#70
 n-Butylbenzene
 Concen: 0.054 ppbv
 RT: 18.58 min Scan# 4912
 Delta R.T. 0.04 min
 Lab File: VL038852.D
 Acq: 7 Apr 2022 22:10

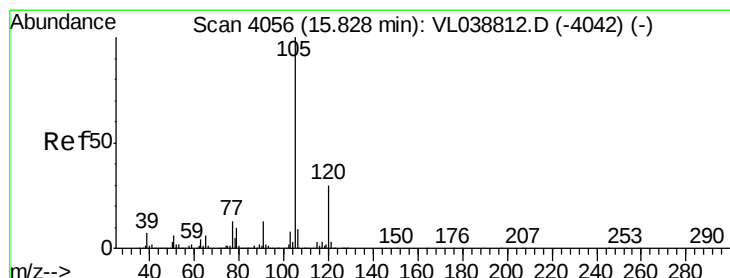
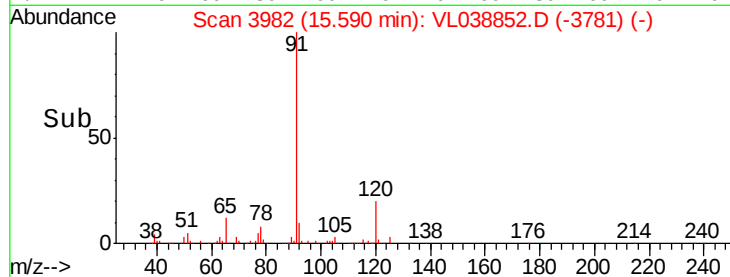
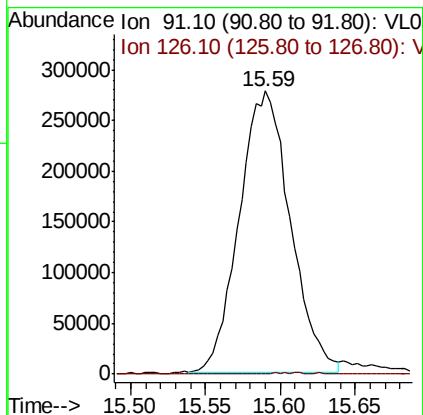
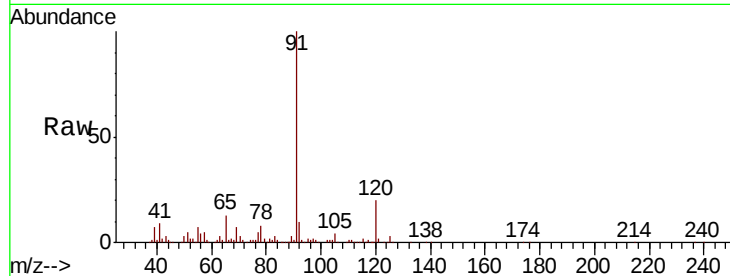
Tgt Ion: 91 Resp: 27455
 Ion Ratio Lower Upper
 91 100
 92 0.0 44.6 66.8#
 134 132.4 19.2 28.8#





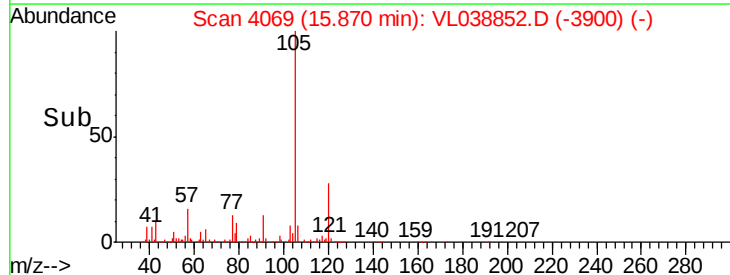
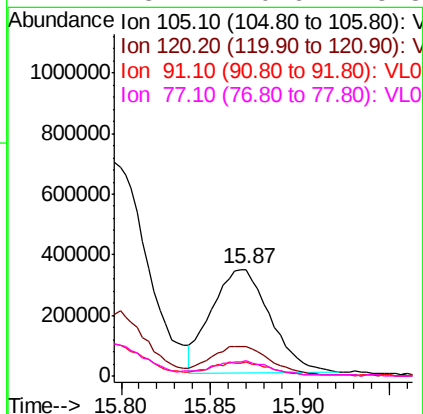
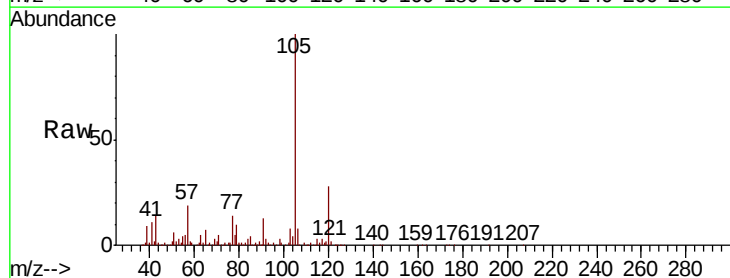
#71
 2-Chlorotoluene
 Concen: 1.780 ppbv
 RT: 15.59 min
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 Acq: 7 Apr 2022 22:10

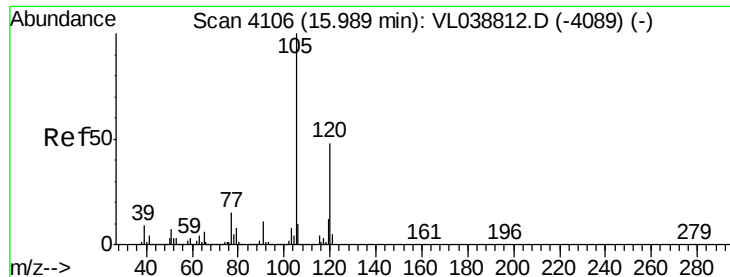
Tot Ion: 91 Resp: 656376
 Ion Ratio Lower Upper
 91 100
 126 0.6 13.0 51.8#



#72
 4-Ethyltoluene
 Concen: 2.015 ppbv
 RT: 15.87 min Scan# 4069
 Delta R.T. 0.04 min
 Lab File: VL038852.D
 Acq: 7 Apr 2022 22:10

Tgt Ion:105 Resp: 786207
 Ion Ratio Lower Upper
 105 100
 120 31.8 24.3 36.5
 91 14.1 9.4 14.2
 77 15.7 10.6 15.8





#73

1,3,5-Trimethylbenzene

Concen: 1.937 ppbv

RT: 16.02

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

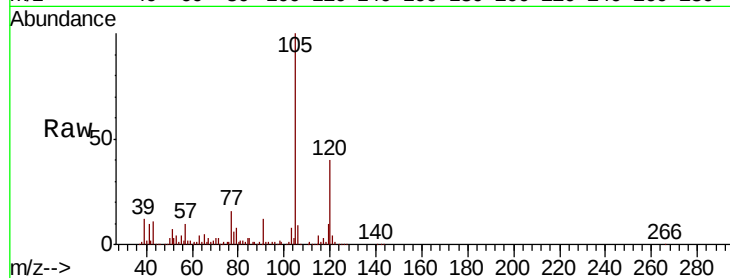
Acq: 7 Apr 2022 22:10

Tot Ion:105 Resp: 678748

Ion Ratio Lower Upper

105 100

120 40.4 38.7 58.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.02

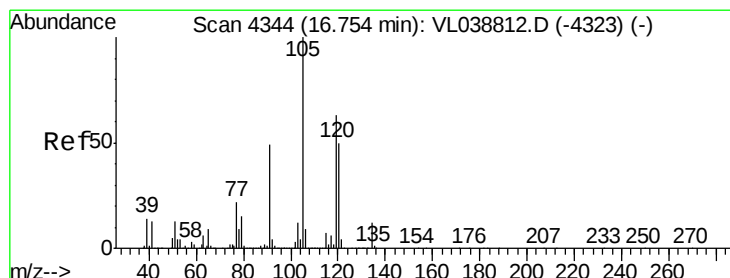
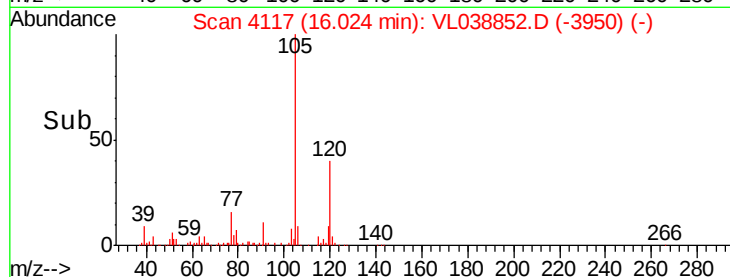
300000

200000

100000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 4.724 ppbv

RT: 16.79 min Scan# 4354

Delta R.T. 0.03 min

Lab File: VL038852.D

Acq: 7 Apr 2022 22:10

Tgt Ion:105 Resp: 1750014

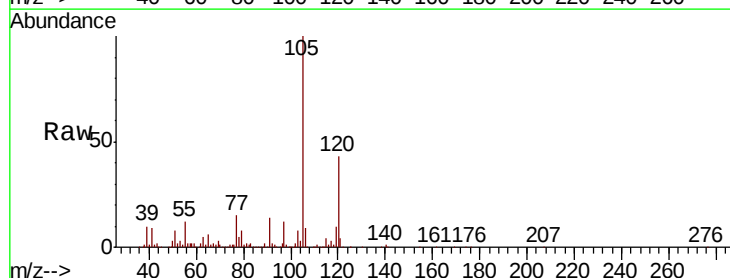
Ion Ratio Lower Upper

105 100

120 42.5 39.8 59.8

91 13.2 39.4 59.0#

77 15.2 17.3 25.9#



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

1000000

800000

600000

400000

200000

0

Time-->

