

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041422\
 Data File : VL038932.D
 Acq On : 15 Apr 2022 00:46
 Operator : SY/AP
 Sample : N2259-06
 Misc : 400mL/MSVOA L
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 1165-19-IA-1

Quant Time: Apr 15 08:09:37 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed 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	5.67	49	1217227	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3048170	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2809365	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2250905	10.56	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	108479	0.628 ppbv	93
3) Chlorodifluoromethane	2.96	51	947373	6.377 ppbv #	63
4) Chloromethane	3.14	50	34016	0.442 ppbv #	83
9) Propene	3.02	41	202850	2.581 ppbv #	67
10) Heptane	8.12	43	1331350	6.725 ppbv	98
11) Trichlorofluoromethane	3.95	101	325505	2.346 ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	6022	0.057 ppbv #	68
13) Ethanol	3.60	45	593795	124.319 ppbv #	100
15) Acetone	3.85	43	15378868	126.903 ppbv #	84
16) 1,3-Butadiene	3.36	39	135311	1.953 ppbv #	16
17) tert-Butyl alcohol	4.14	59	4439	0.041 ppbv #	72
19) Isopropyl Alcohol	3.97	45	342433	5.529 ppbv #	100
20) Methylene Chloride	4.35	84	199406	4.537 ppbv	93
21) Allyl Chloride	4.36	41	7339	0.081 ppbv #	17
23) Vinyl Acetate	5.07	43	51805	0.439 ppbv #	37
25) Ethyl Acetate	5.68	43	168551	0.548 ppbv #	87
26) Hexane	5.69	57	197306	1.410 ppbv #	71
29) Chloroform	5.75	83	7402	0.038 ppbv	93
30) Cyclohexane	7.13	84	50592	0.410 ppbv	92
31) cis-1,2-Dichloroethene	5.67	61	15032	0.117 ppbv #	32
34) 2-Butanone	5.25	43	159805	1.327 ppbv	92
36) Benzene	6.89	78	190465	0.687 ppbv	94
39) 1,2-Dichloropropane	7.18	63	761198	7.177 ppbv #	27
42) Bromodichloromethane	7.79	83	18988	0.095 ppbv #	24
44) 2,2,4-Trimethylpentane	7.86	57	151662	0.323 ppbv #	1
50) 4-Methyl-2-Pentanone	8.74	43	281556	1.039 ppbv	96
51) 2-Hexanone	10.11	43	9504	0.047 ppbv #	26
53) Toluene	9.80	91	9273685	28.970 ppbv	97
58) Ethyl Benzene	12.70	91	411864	0.981 ppbv	92
59) m/p-Xylene	12.96	91	1109353	3.145 ppbv	100
60) o-Xylene	13.68	91	438121	1.328 ppbv	94
61) Styrene	13.52	104	15092	0.075 ppbv #	25
62) Isopropylbenzene	14.66	105	17658	0.036 ppbv #	1
64) n-propylbenzene	15.55	120	46162	0.359 ppbv	79
65) tert-Butylbenzene	16.75	119	39969	0.091 ppbv #	1
67) sec-Butylbenzene	17.28	105	39147	0.063 ppbv #	84
69) p-Isopropyltoluene	17.64	119	17522	0.035 ppbv #	33
71) 2-Chlorotoluene	15.82	91	18275	0.049 ppbv	68
72) 4-Ethyltoluene	15.83	105	242152	0.614 ppbv	97
73) 1,3,5-Trimethylbenzene	15.99	105	116567	0.329 ppbv	92
74) 1,2,4-Trimethylbenzene	16.75	105	768612	2.054 ppbv #	70

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Misc : 400mL/MSVOA L
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
1165-19-IA-1

Quant Time: Apr 15 08:09:37 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

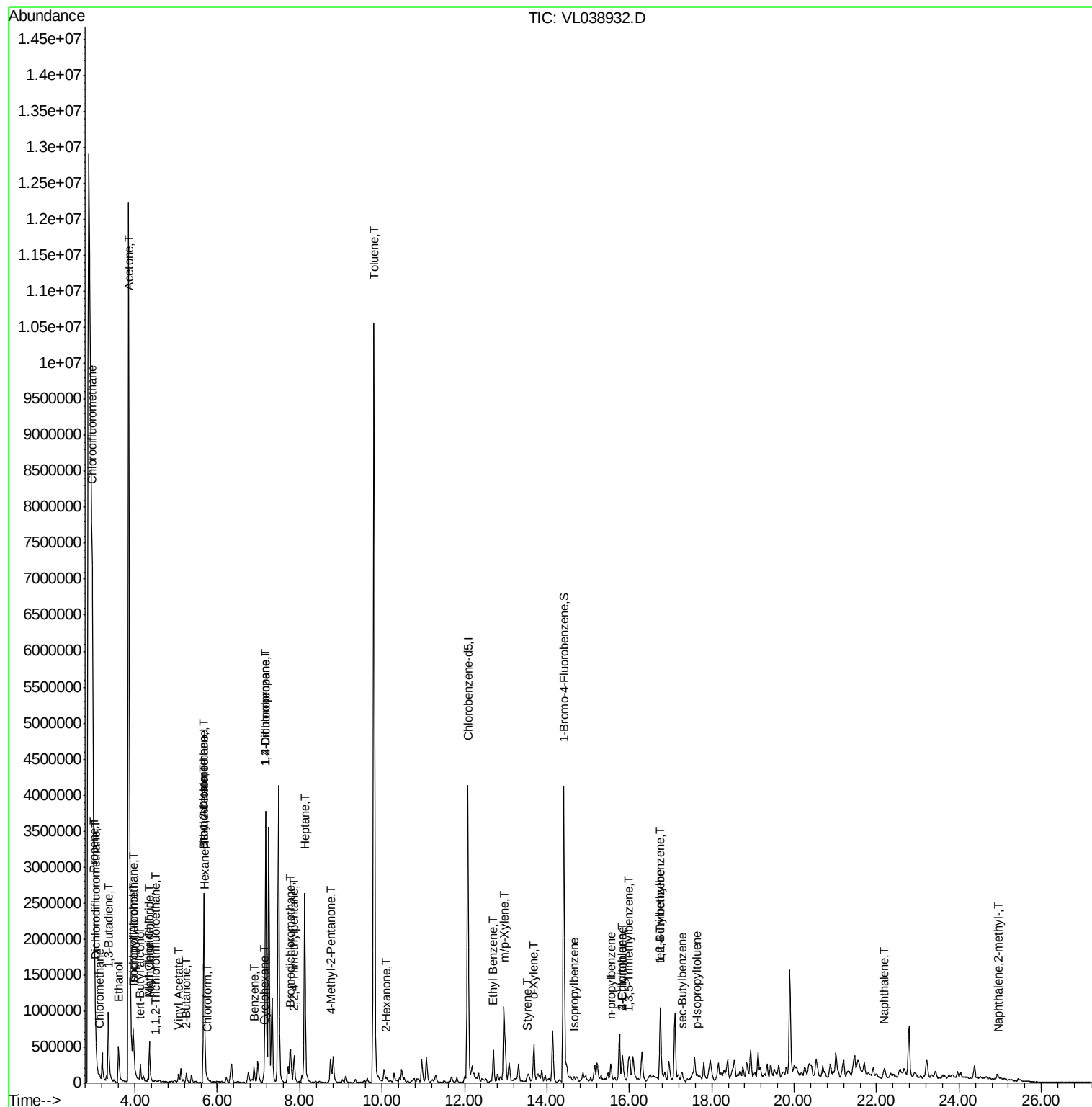
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Naphthalene	22.18	128	19385	0.069	ppbv	99
80) Naphthalene,2-methyl-	24.97	142	11055	0.160	ppbv #	5

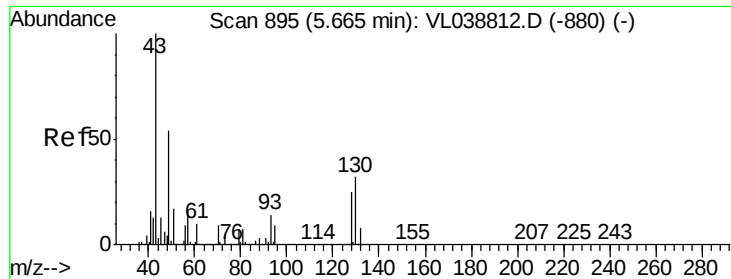
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL041422\
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: 1165-19-1A-1

Acq: 15 Apr 2022 00:40

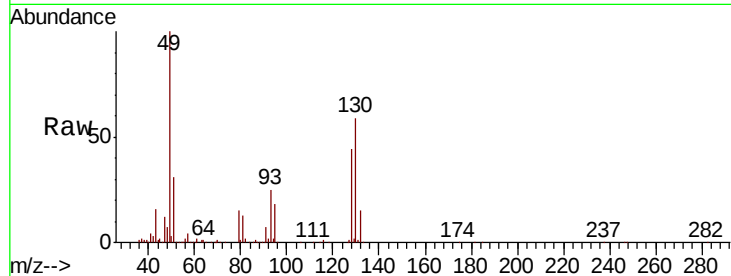
Tot Ion: 49 Resp: 1217227

Ion	Ratio	Lower	Upper
49	100		
128	47.4	24.1	72.3
130	61.1	30.9	92.8

49 100

128 47.4 24.1 72.3

130 61.1 30.9 92.8



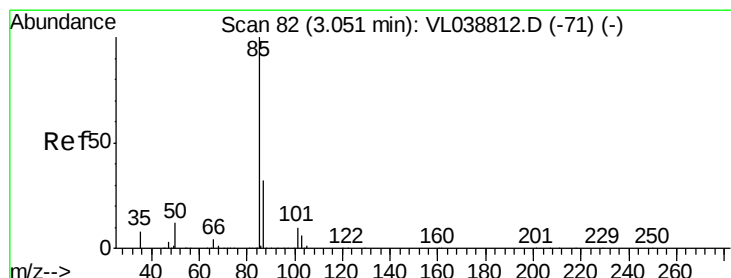
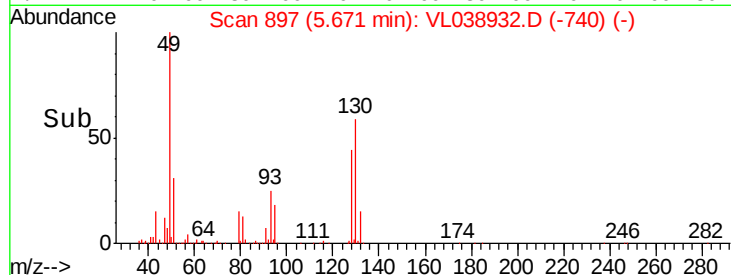
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.67

Time-->



#2

Dichlorodifluoromethane

Concen: 0.628 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL038932.D

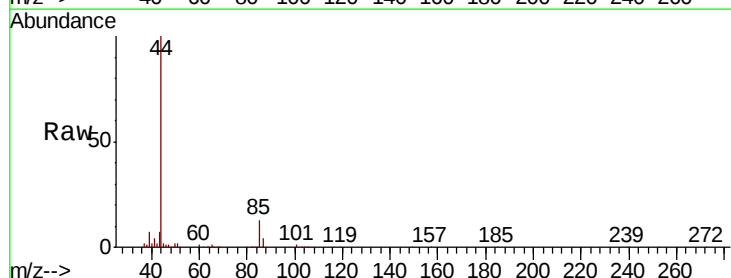
Acq: 15 Apr 2022 00:46

Tgt Ion: 85 Resp: 108479

Ion	Ratio	Lower	Upper
85	100		
87	28.3	25.9	38.9

85 100

87 28.3 25.9 38.9

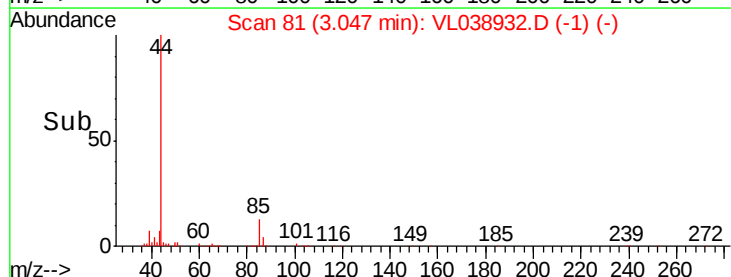


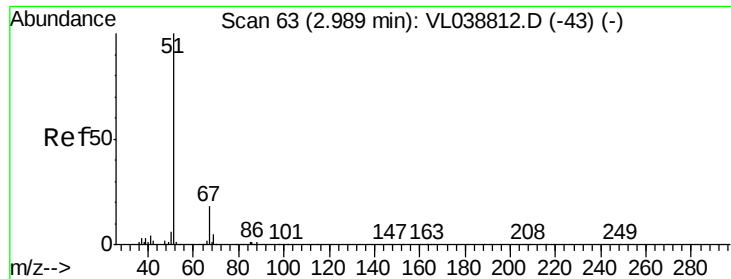
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.05

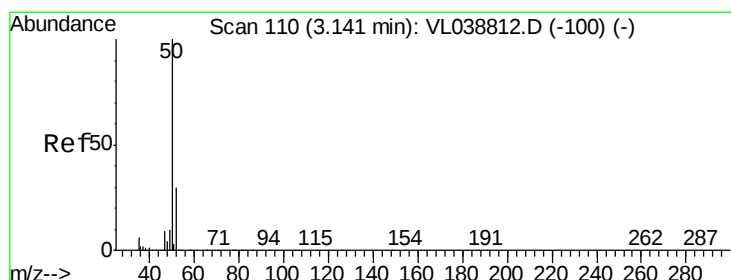
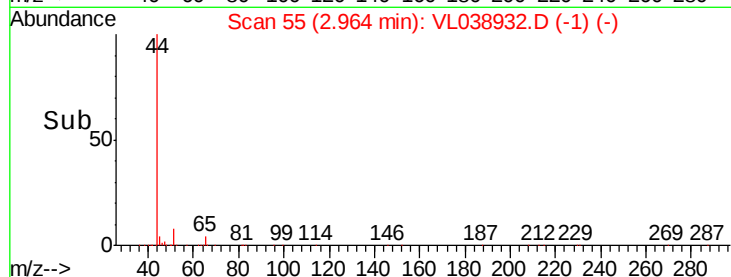
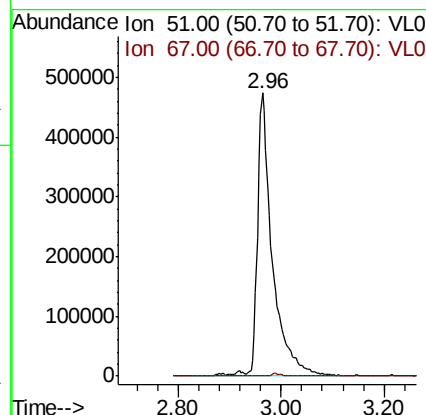
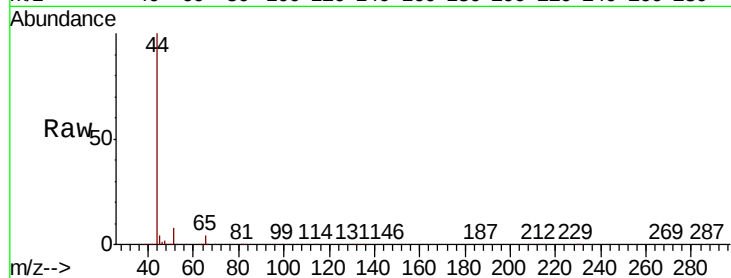
Time-->





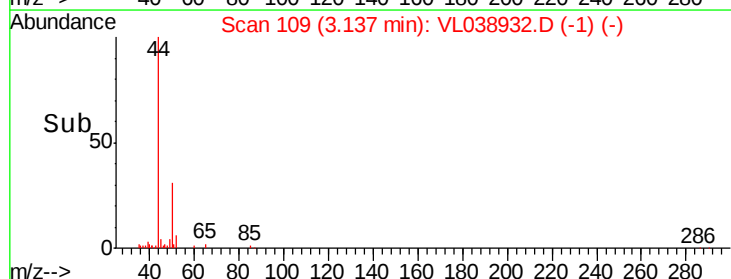
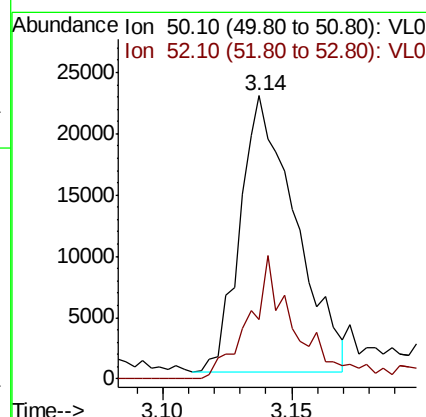
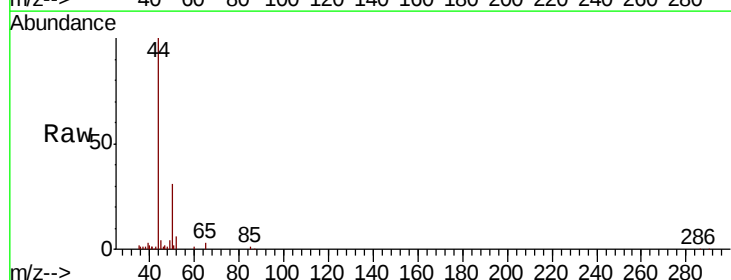
#3
 Chlorodifluoromethane
 Concen: 6.377 ppbv
 RT: 2.96
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 1165-19-1A-1
 Acq: 15 Apr 2022 00:40

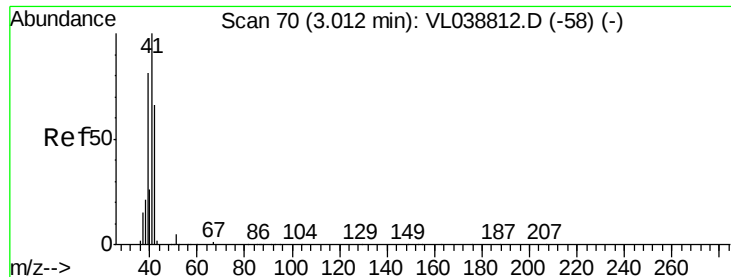
Tot Ion: 51 Resp: 947373
 Ion Ratio Lower Upper
 51 100
 67 0.7 13.4 20.0#



#4
 Chloromethane
 Concen: 0.442 ppbv
 RT: 3.14 min Scan# 109
 Delta R.T. -0.00 min
 Lab File: VL038932.D
 Acq: 15 Apr 2022 00:46

Tgt Ion: 50 Resp: 34016
 Ion Ratio Lower Upper
 50 100
 52 21.4 24.3 36.5#





#9

Propene

Concen: 2.581 ppbv

RT: 3.02 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: 1165-19-1A-1

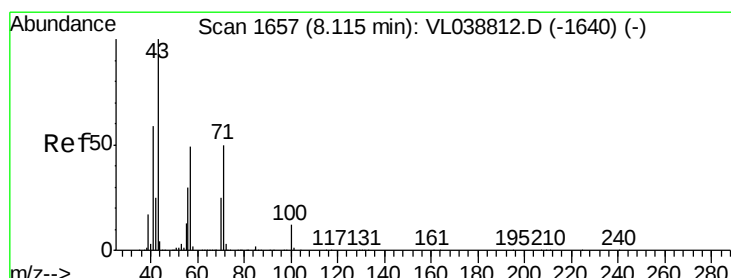
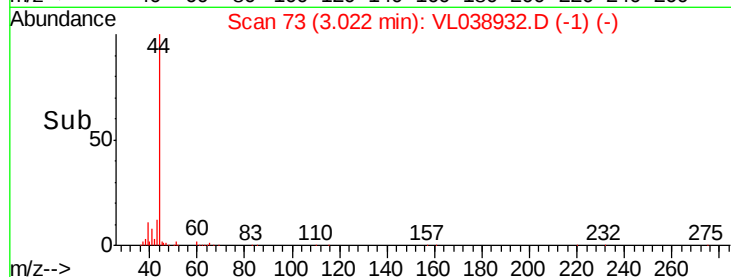
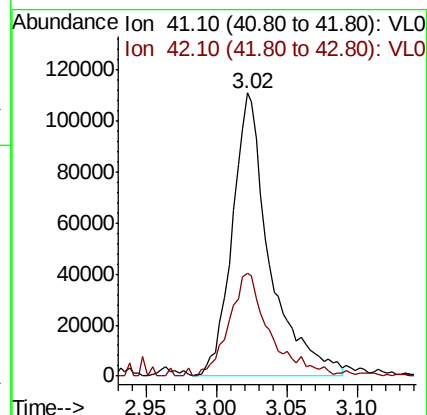
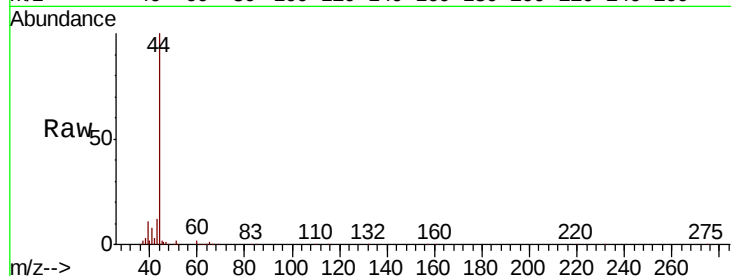
Acq: 15 Apr 2022 00:40

Tot Ion: 41 Resp: 202850

Ion Ratio Lower Upper

41 100

42 41.2 54.2 81.4#



#10

Heptane

Concen: 6.725 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VL038932.D

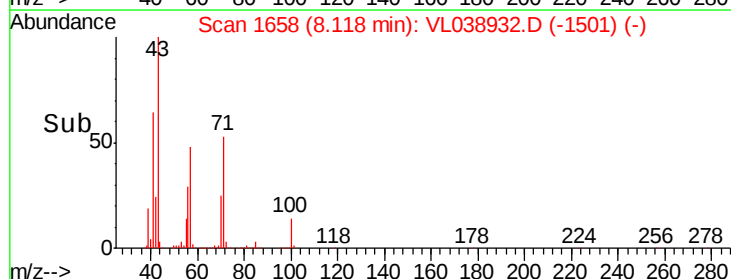
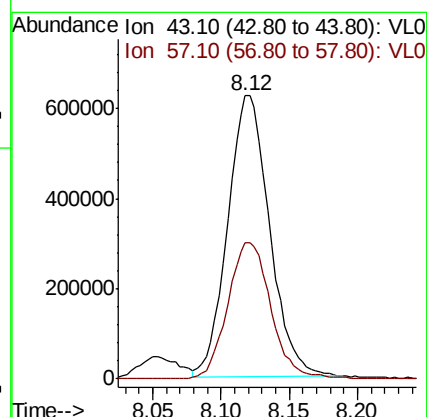
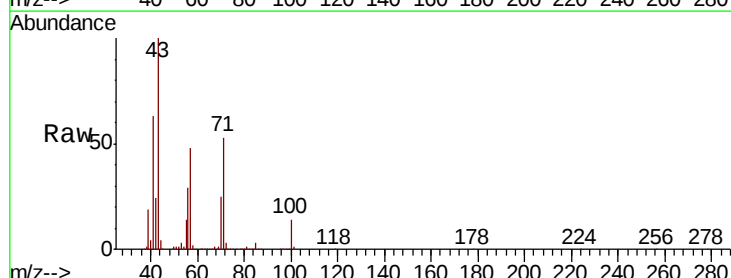
Acq: 15 Apr 2022 00:46

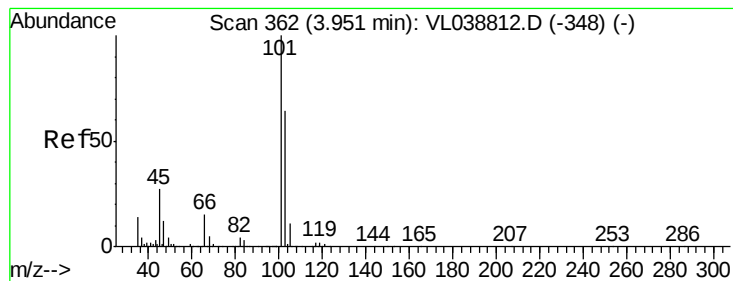
Tgt Ion: 43 Resp: 1331350

Ion Ratio Lower Upper

43 100

57 50.3 39.3 58.9





#11

Trichlorofluoromethane

Concen: 2.346 ppbv

RT: 3.95 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: 1165-19-1A-1

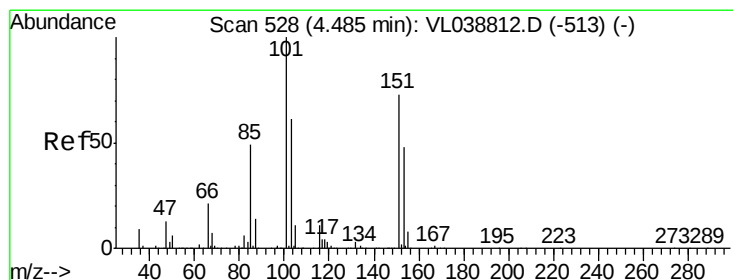
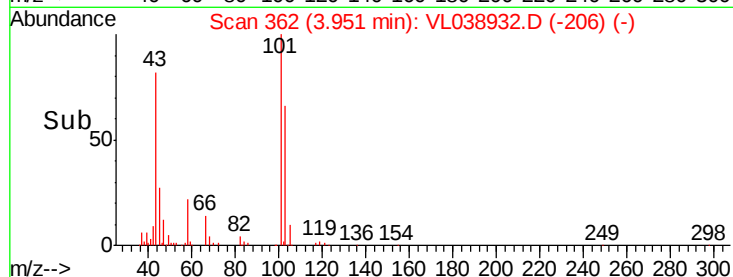
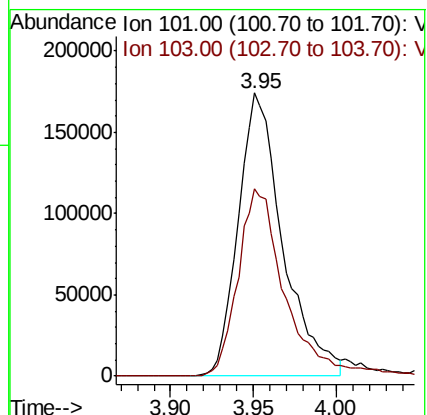
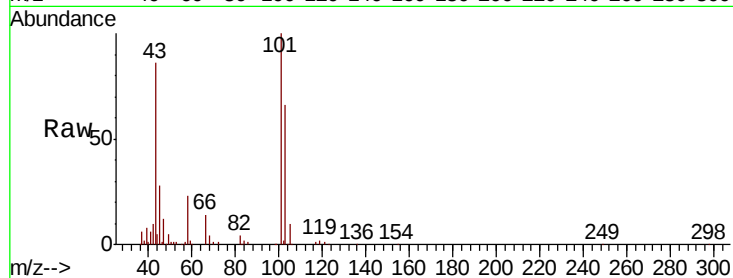
Acq: 15 Apr 2022 00:48

Tot Ion:101 Resp: 325505

Ion Ratio Lower Upper

101 100

103 66.1 51.4 77.0



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.057 ppbv

RT: 4.49 min Scan# 530

Delta R.T. 0.01 min

Lab File: VL038932.D

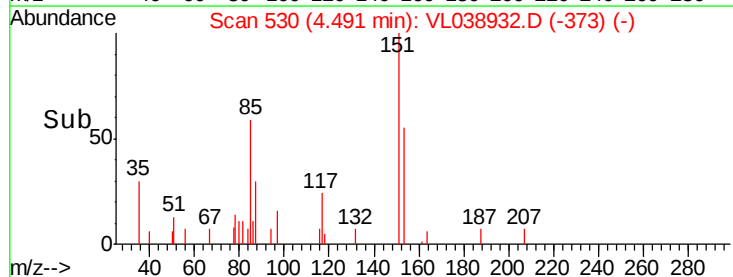
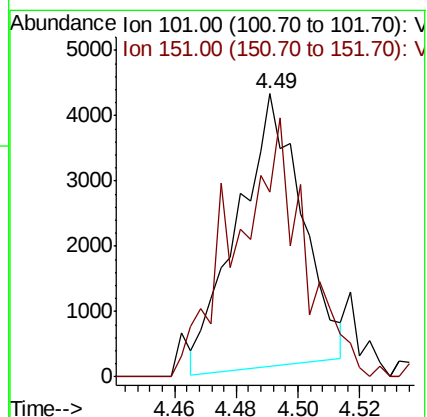
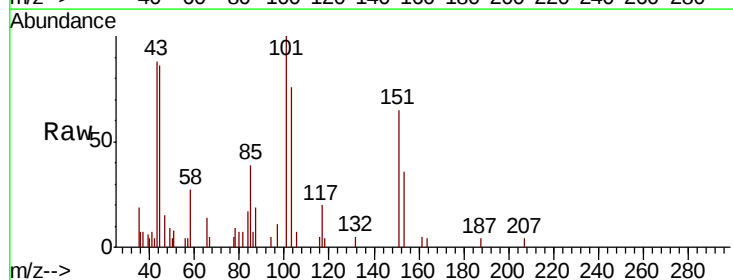
Acq: 15 Apr 2022 00:46

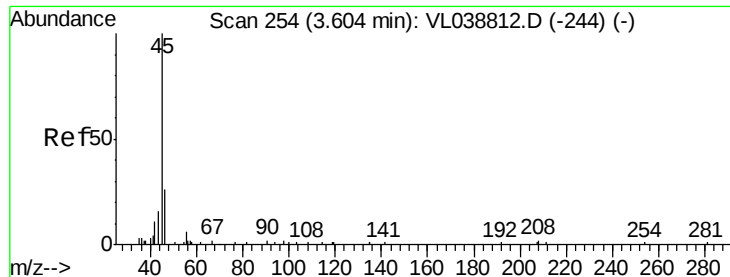
Tgt Ion:101 Resp: 6022

Ion Ratio Lower Upper

101 100

151 102.4 59.9 89.9#





#13

Ethanol

Concen: 124.319 ppbv

RT: 3.60 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

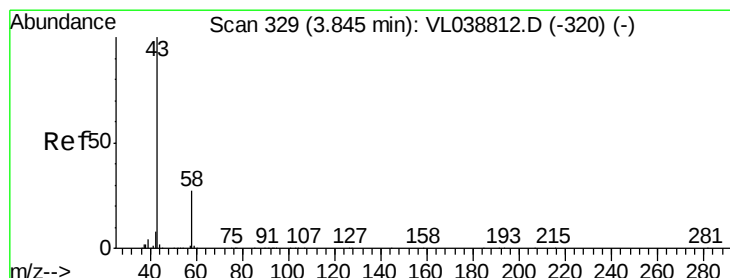
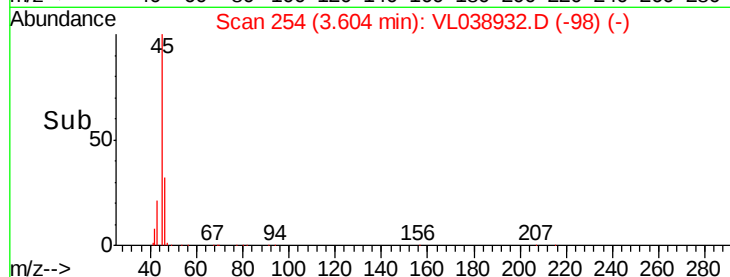
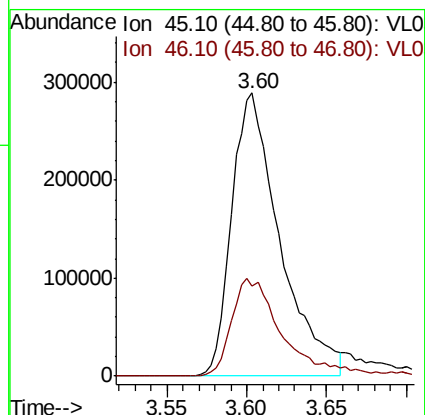
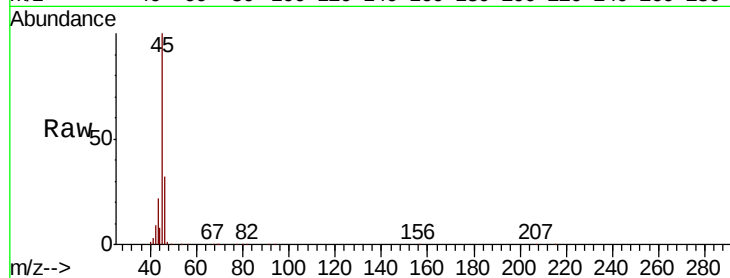
Acq: 15 Apr 2022 00:40

Tot Ion: 45 Resp: 593795

Ion Ratio Lower Upper

45 100

46 37.9 0.0 0.0#



#15

Acetone

Concen: 126.903 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.00 min

Lab File: VL038932.D

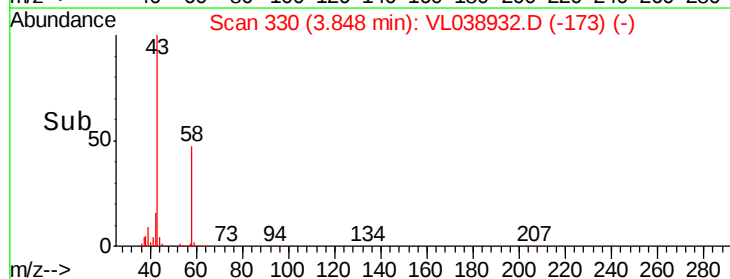
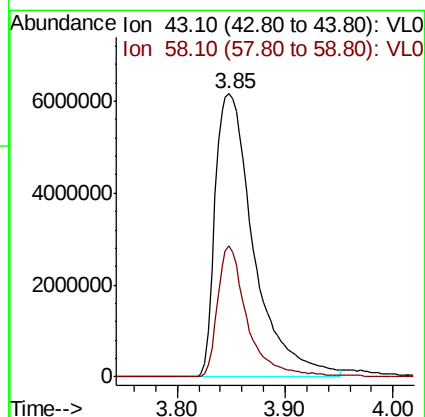
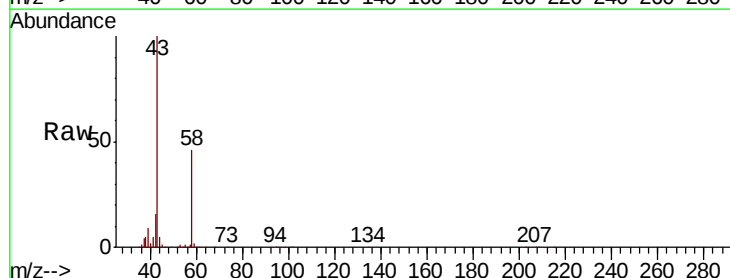
Acq: 15 Apr 2022 00:46

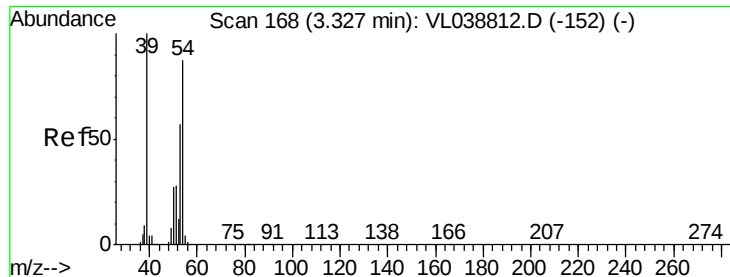
Tgt Ion: 43 Resp:15378868

Ion Ratio Lower Upper

43 100

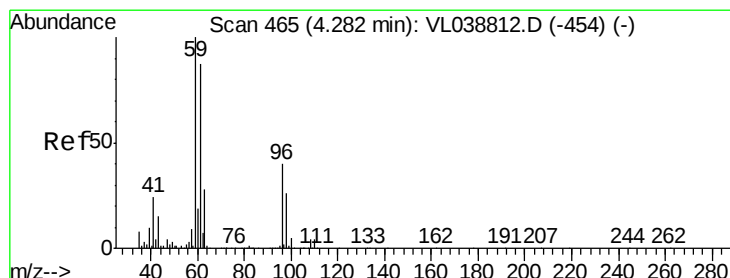
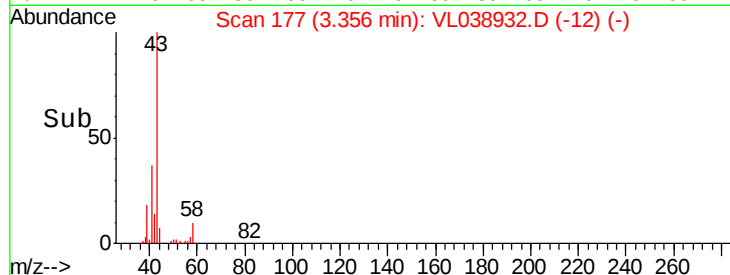
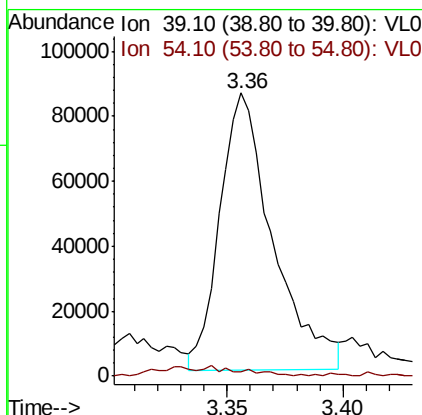
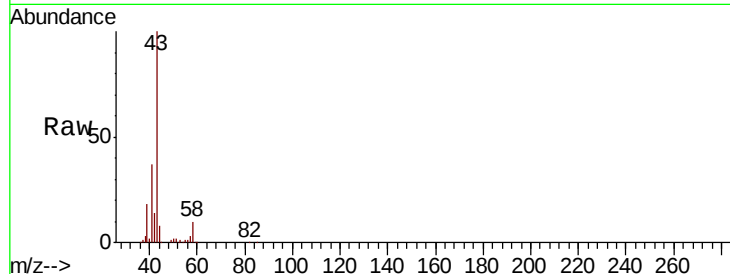
58 36.5 22.5 33.7#





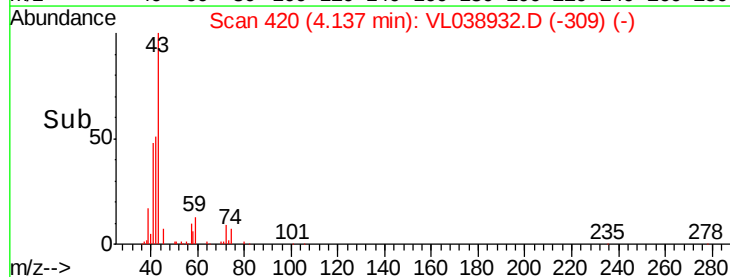
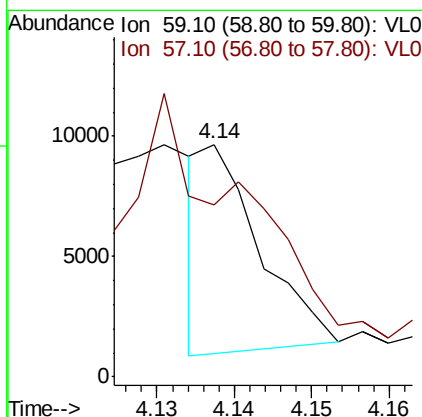
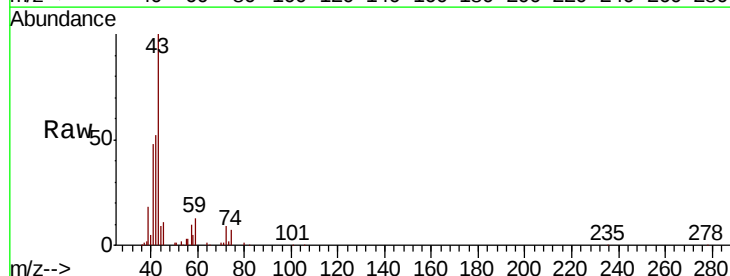
#16
 1,3-Butadiene
 Concen: 1.953 ppbv
 RT: 3.36
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 15 Apr 2022 00:40

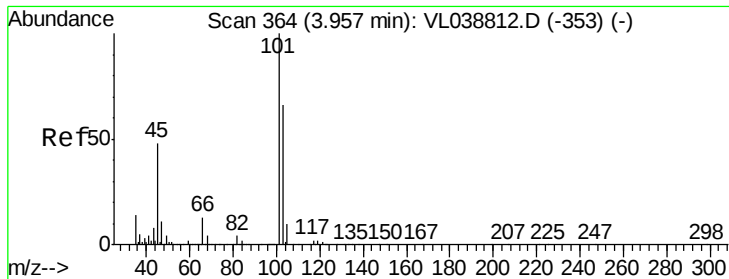
Tot Ion: 39 Resp: 135311
 Ion Ratio Lower Upper
 39 100
 54 6.2 64.8 97.2#



#17
 tert-Butyl alcohol
 Concen: 0.041 ppbv
 RT: 4.14 min Scan# 420
 Delta R.T. -0.14 min
 Lab File: VL038932.D
 Acq: 15 Apr 2022 00:46

Tgt Ion: 59 Resp: 4439
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#





#19

Isopropyl Alcohol

Concen: 5.529 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

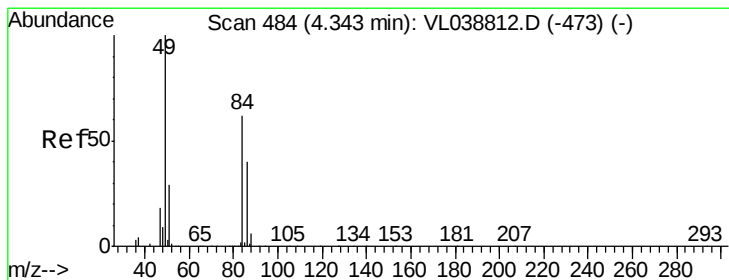
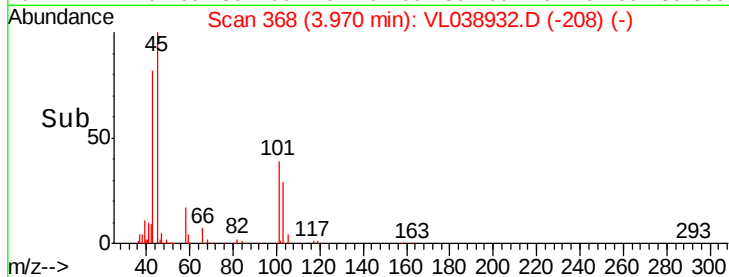
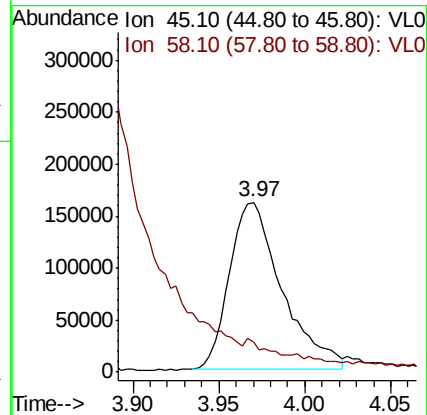
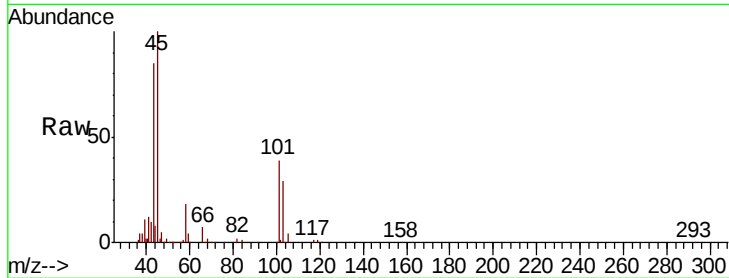
Acq: 15 Apr 2022 00:46

Tot Ion: 45 Resp: 342433

Ion Ratio Lower Upper

45 100

58 0.0 0.0 0.0



#20

Methylene Chloride

Concen: 4.537 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.01 min

Lab File: VL038932.D

Acq: 15 Apr 2022 00:46

Tgt Ion: 84 Resp: 199406

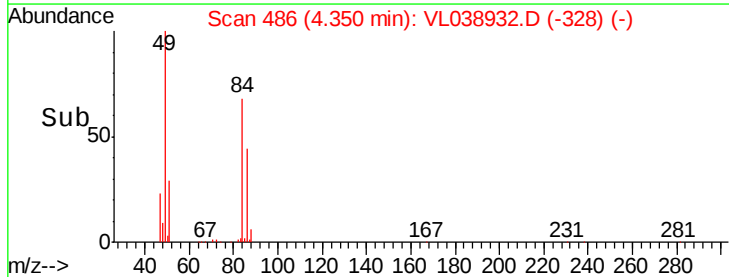
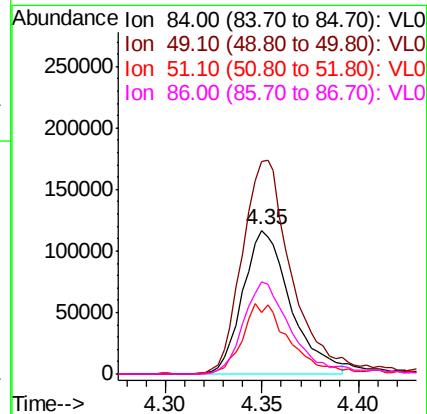
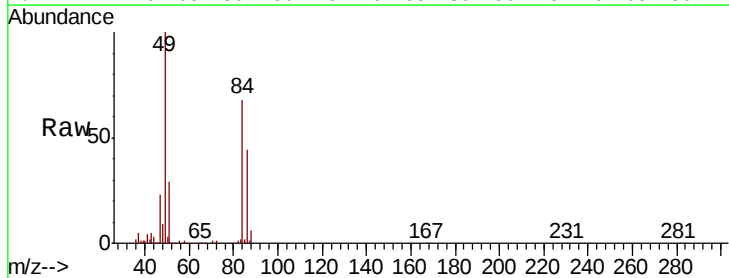
Ion Ratio Lower Upper

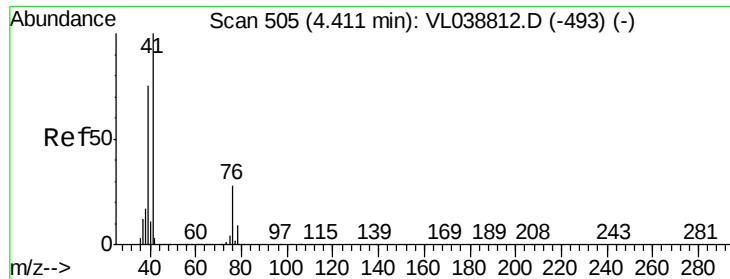
84 100

49 147.8 129.4 194.0

51 42.6 37.4 56.2

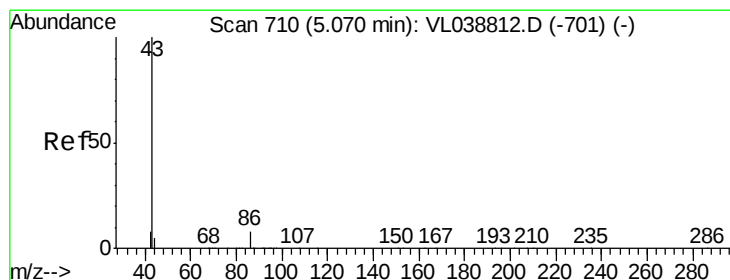
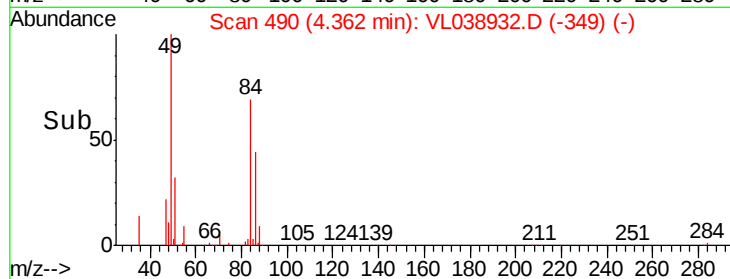
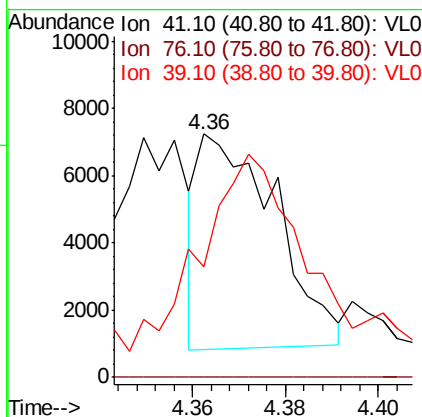
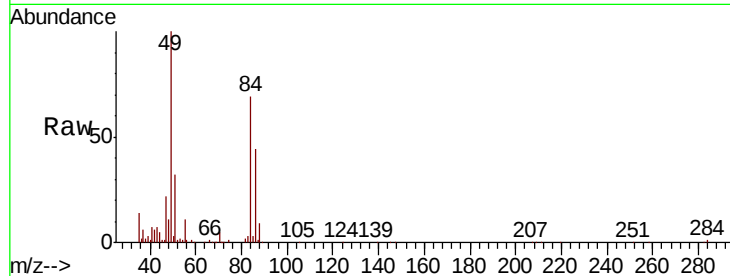
86 64.5 51.4 77.2





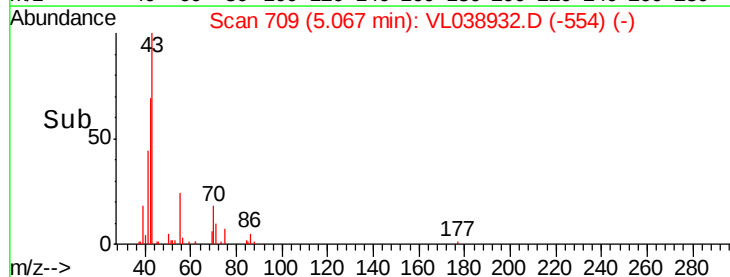
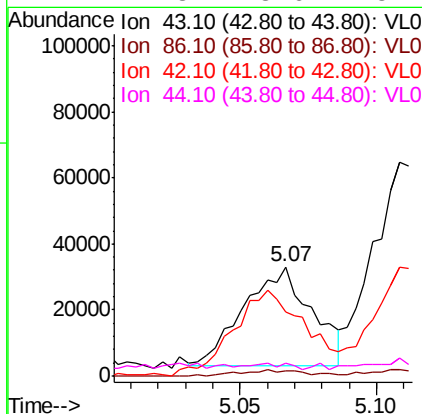
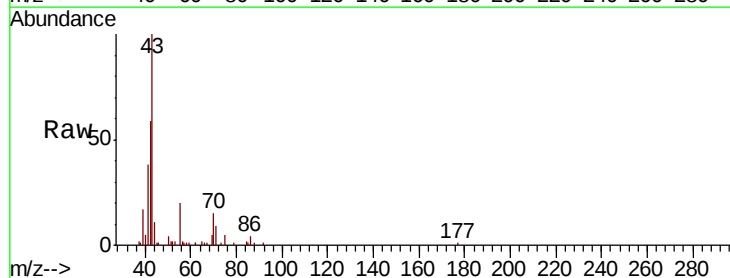
#21
 Allvl Chloride
 Concen: 0.081 ppbv
 RT: 4.36
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 1165-19-1A-1
 Acq: 15 Apr 2022 00:40

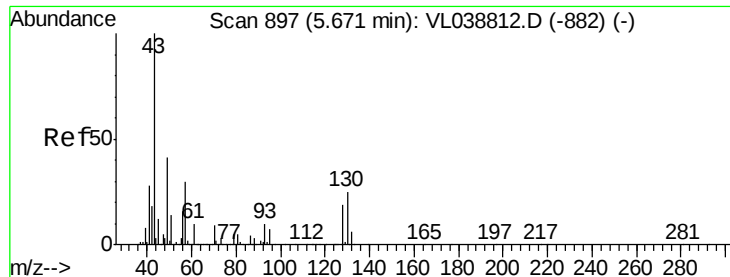
Tot Ion: 41 Resp: 7339
 Ion Ratio Lower Upper
 41 100
 76 0.0 23.7 35.5#
 39 158.5 62.0 93.0#



#23
 Vinyl Acetate
 Concen: 0.439 ppbv
 RT: 5.07 min Scan# 709
 Delta R.T. -0.00 min
 Lab File: VL038932.D
 Acq: 15 Apr 2022 00:46

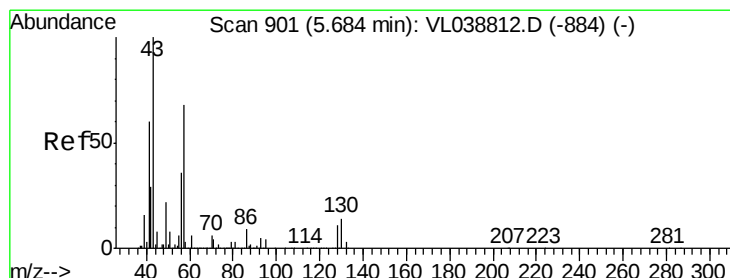
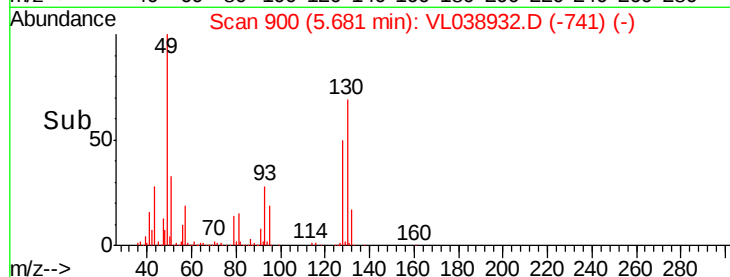
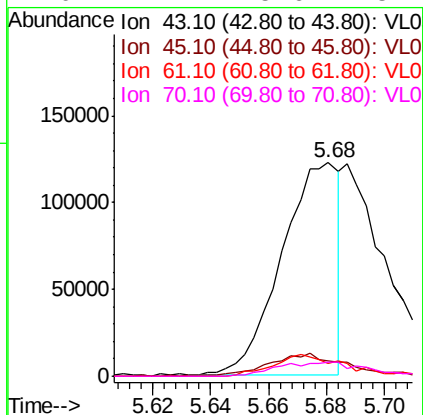
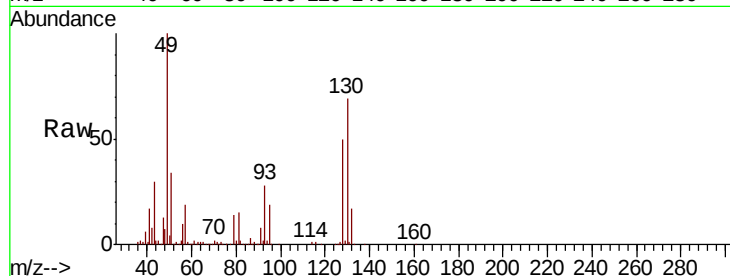
Tgt Ion: 43 Resp: 51805
 Ion Ratio Lower Upper
 43 100
 86 4.8 5.8 8.6#
 42 57.8 7.8 11.6#
 44 2.3 3.6 5.4#





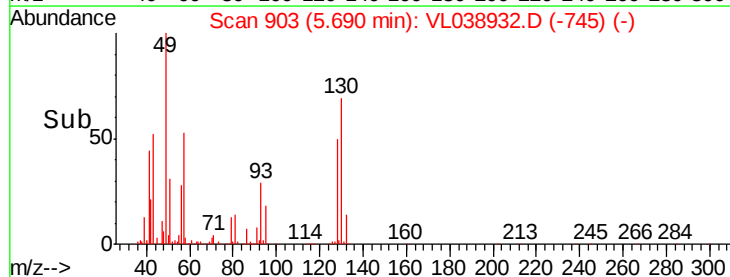
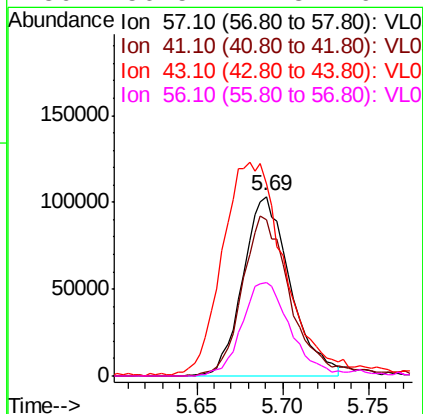
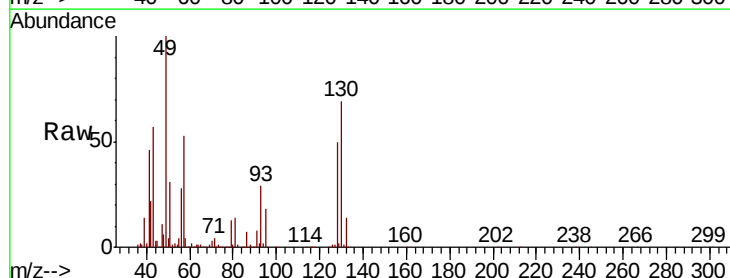
#25
Ethyl Acetate
Concen: 0.548 ppbv
RT: 5.68 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId : 1165-19-1A-1
Acq: 15 Apr 2022 00:46

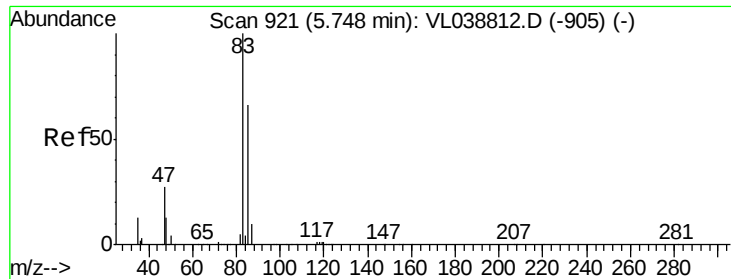
Tot Ion:	43	Resp:	168551
Ion	Ratio	Lower	Upper
43	100		
45	16.4	8.4	12.6#
61	14.0	7.9	11.9#
70	11.1	5.6	8.4#



#26
Hexane
Concen: 1.410 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.01 min
Lab File: VL038932.D
Acq: 15 Apr 2022 00:46

Tgt Ion:	57	Resp:	197306
Ion	Ratio	Lower	Upper
57	100		
41	94.2	72.0	108.0
43	158.6	186.6	280.0#
56	56.5	42.8	64.2





#29

Chloroform

Concen: 0.038 ppbv

RT: 5.75 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

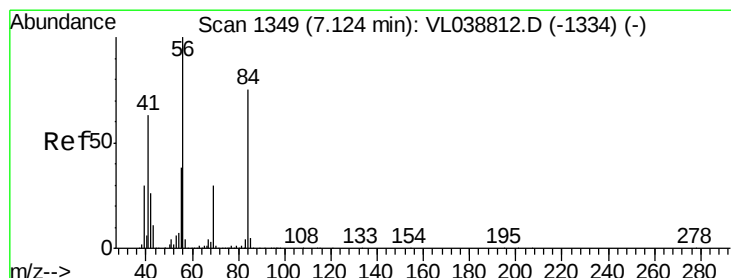
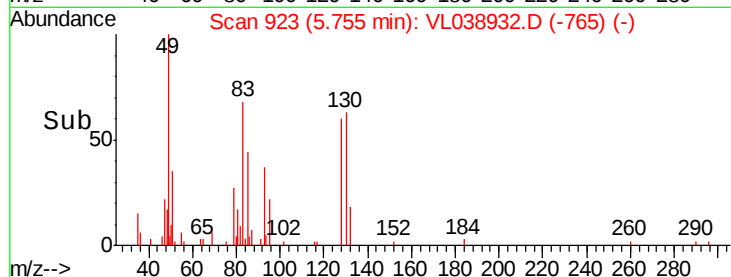
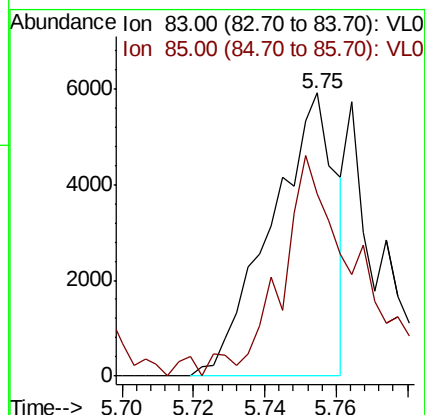
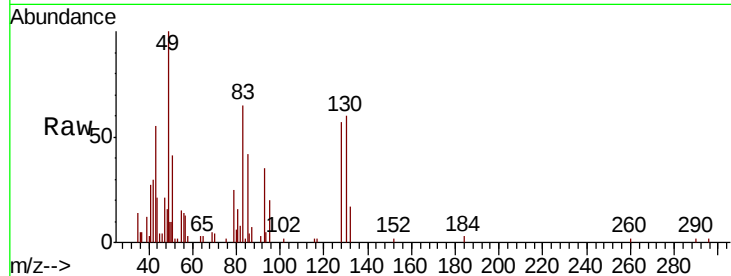
Acq: 15 Apr 2022 00:48

Tot Ion: 83 Resp: 7402

Ion Ratio Lower Upper

83 100

85 60.0 52.5 78.7



#30

Cyclohexane

Concen: 0.410 ppbv

RT: 7.13 min Scan# 1351

Delta R.T. 0.01 min

Lab File: VL038932.D

Acq: 15 Apr 2022 00:46

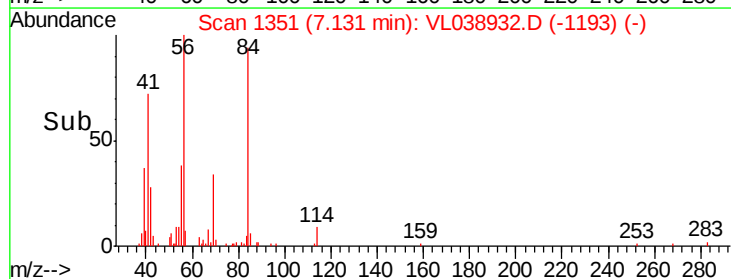
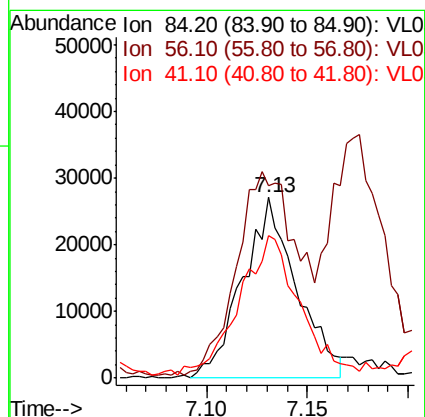
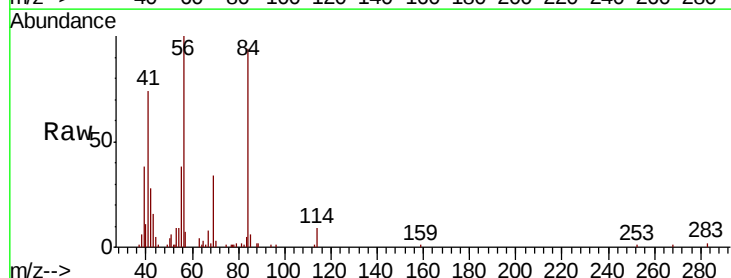
Tgt Ion: 84 Resp: 50592

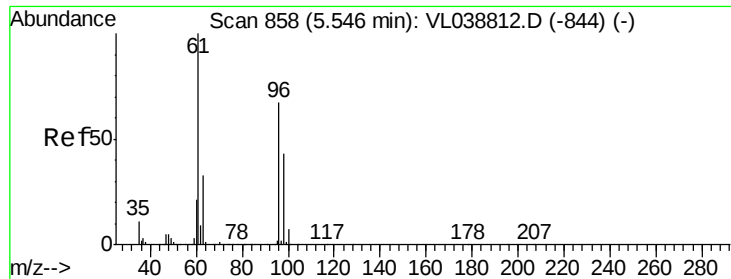
Ion Ratio Lower Upper

84 100

56 126.8 114.4 171.6

41 86.1 69.0 103.4





#31

cis-1,2-Dichloroethene

Concen: 0.117 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 15 Apr 2022 00:46

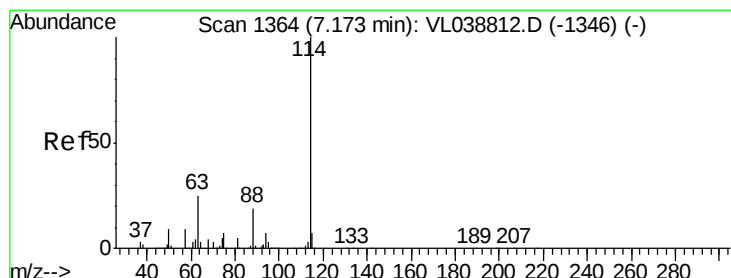
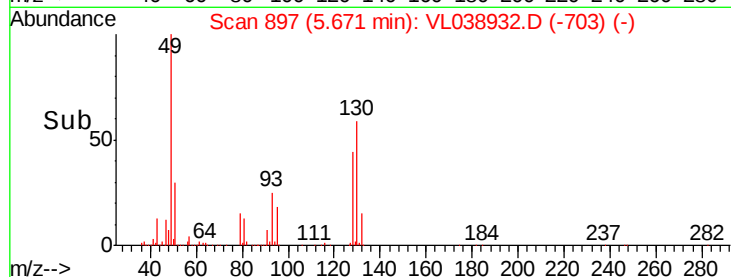
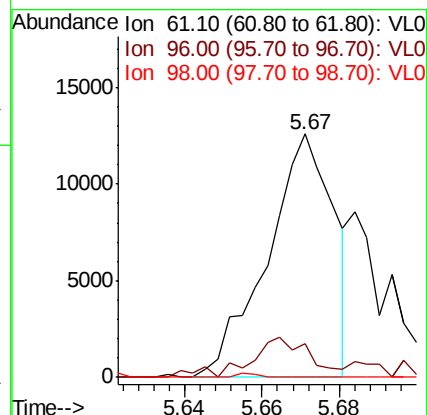
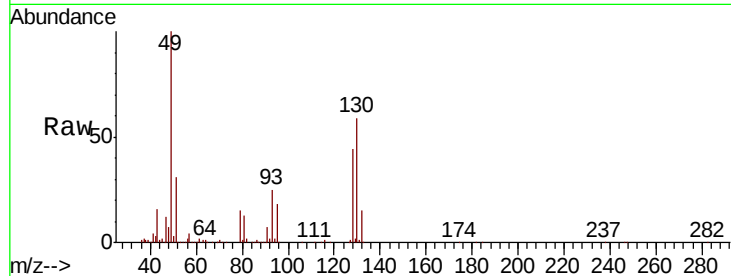
Tot Ion: 61 Resp: 15032

Ion Ratio Lower Upper

61 100

96 12.1 53.4 80.0#

98 0.0 34.2 51.4#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VL038932.D

Acq: 15 Apr 2022 00:46

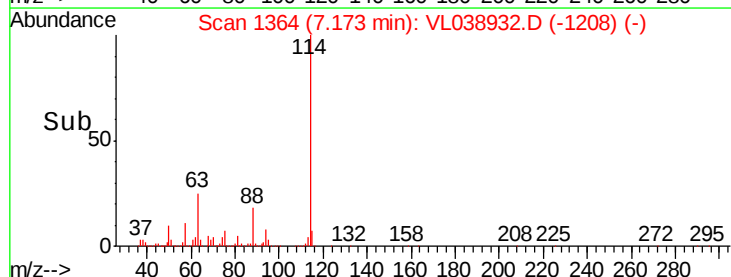
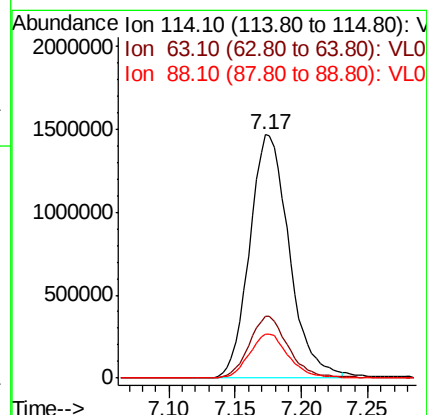
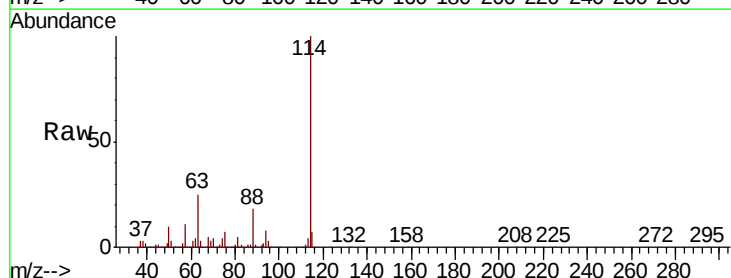
Tgt Ion: 114 Resp: 3048170

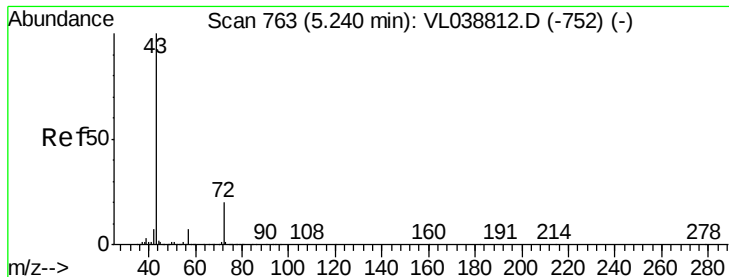
Ion Ratio Lower Upper

114 100

63 25.4 19.8 29.8

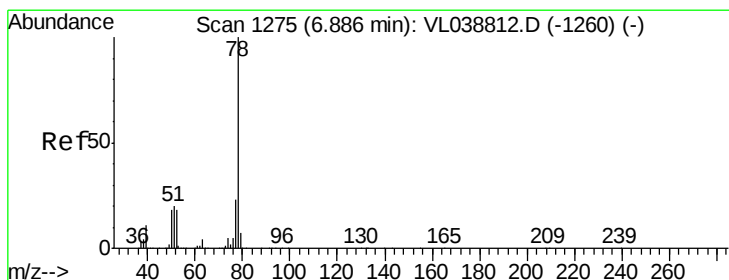
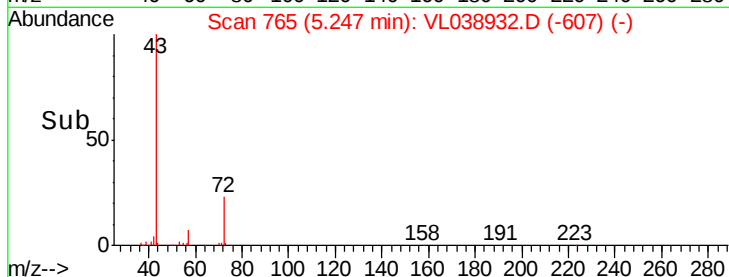
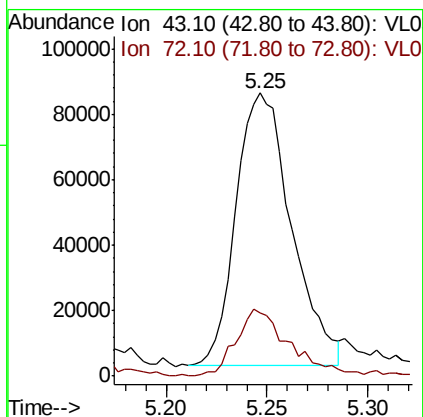
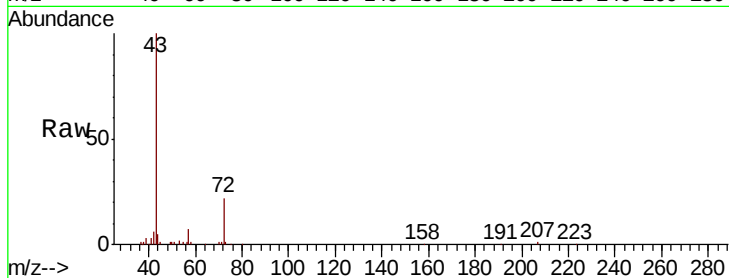
88 18.1 14.2 21.4





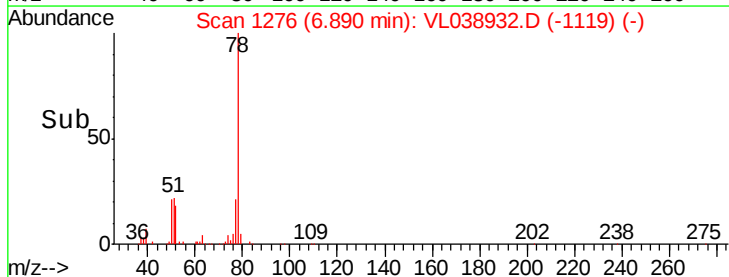
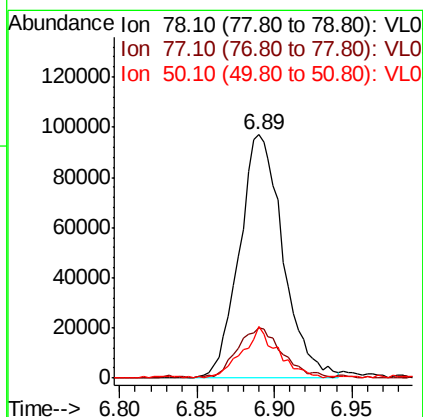
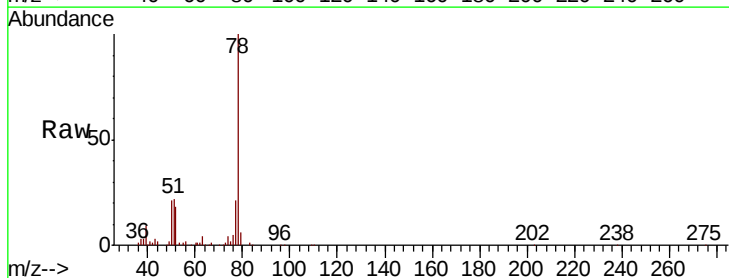
#34
2-Butanone
Concen: 1.327 ppbv
RT: 5.25
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 15 Apr 2022 00:46

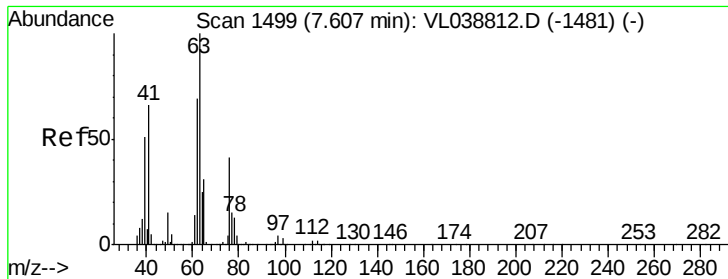
Tot Ion: 43 Resp: 159805
Ion Ratio Lower Upper
43 100
72 24.9 16.9 25.3



#36
Benzene
Concen: 0.687 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VL038932.D
Acq: 15 Apr 2022 00:46

Tgt Ion: 78 Resp: 190465
Ion Ratio Lower Upper
78 100
77 20.8 18.2 27.2
50 20.8 14.0 21.0





#39

1,2-Dichloropropane

Concen: 7.177 ppbv

RT: 7.18 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 15 Apr 2022 00:46

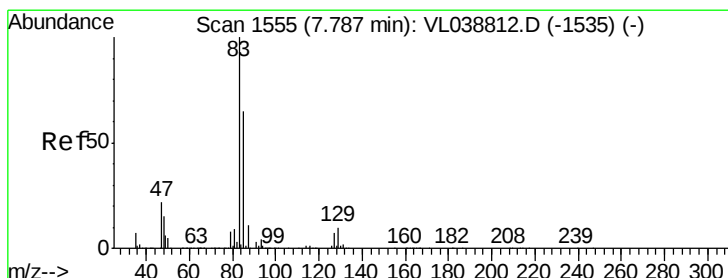
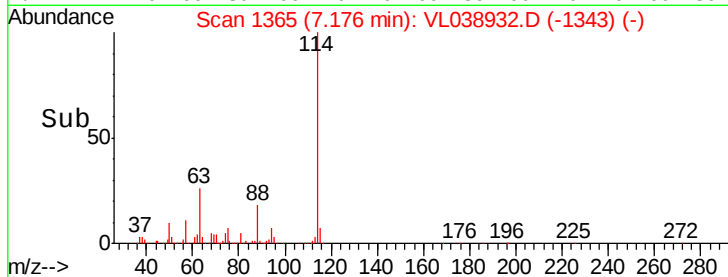
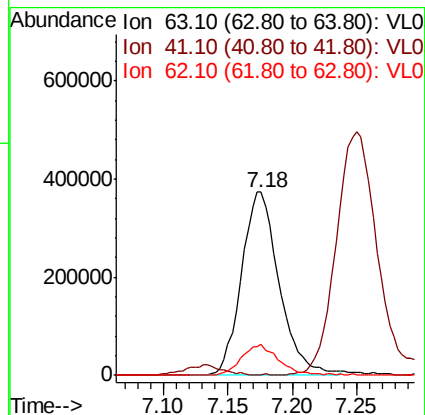
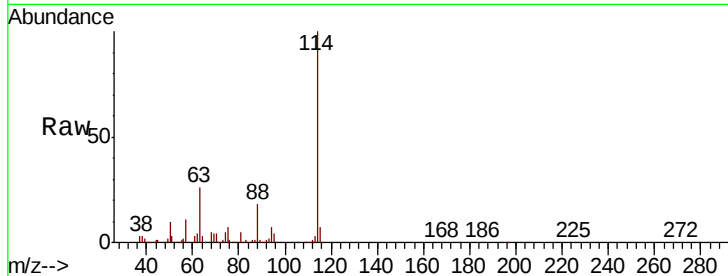
Tot Ion: 63 Resp: 761198

Ion Ratio Lower Upper

63 100

41 0.0 53.0 79.6#

62 17.3 55.0 82.4#



#42

Bromodichloromethane

Concen: 0.095 ppbv

RT: 7.79 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VL038932.D

Acq: 15 Apr 2022 00:46

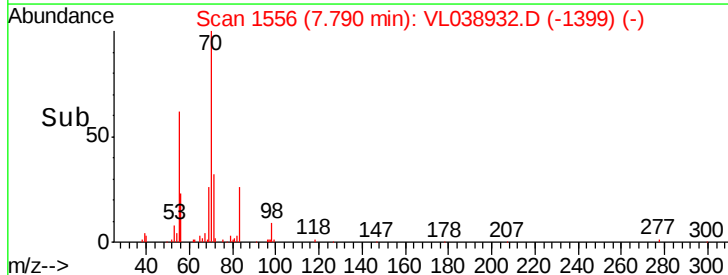
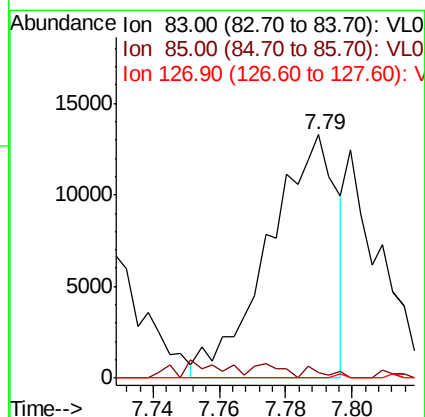
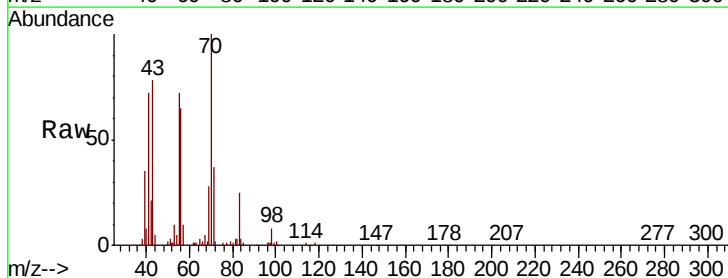
Tgt Ion: 83 Resp: 18988

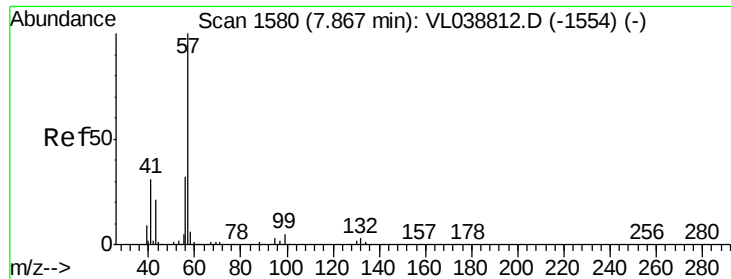
Ion Ratio Lower Upper

83 100

85 0.0 51.7 77.5#

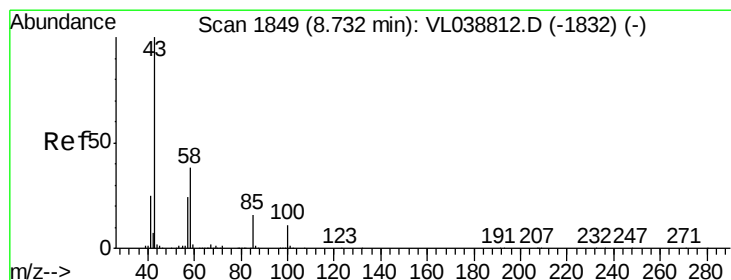
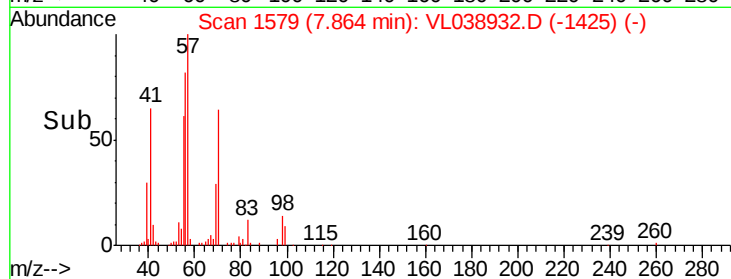
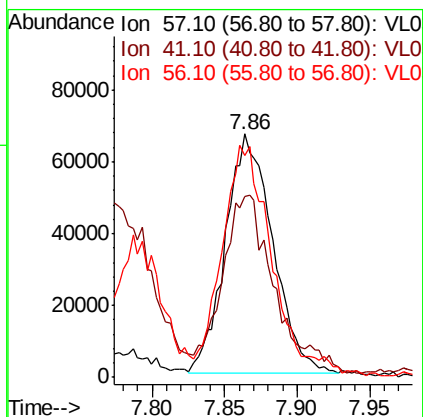
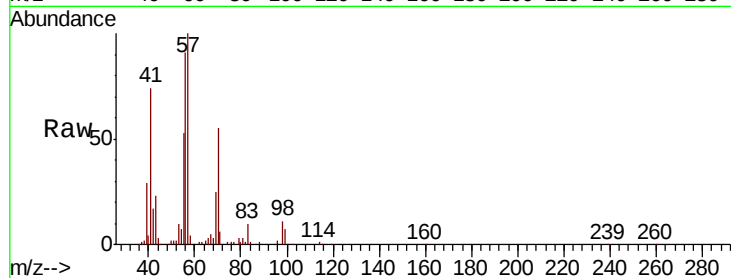
127 0.0 5.9 8.9#





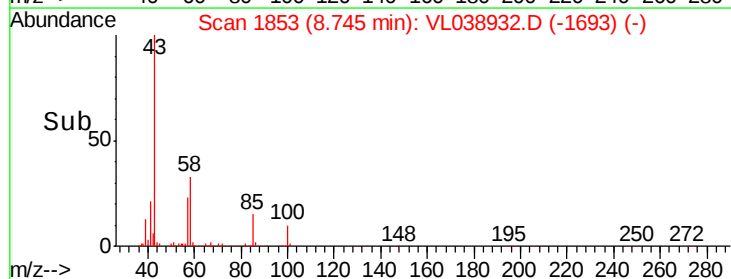
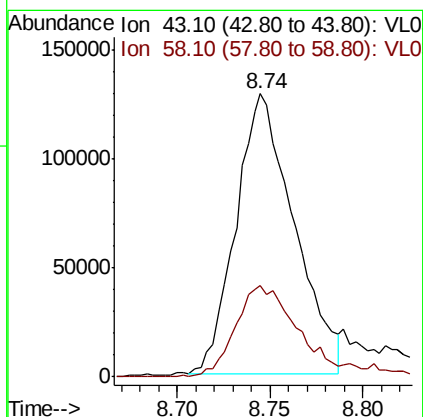
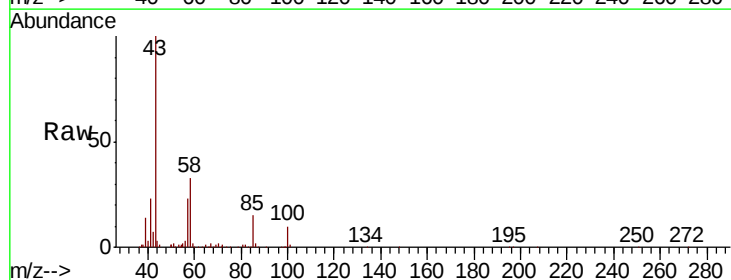
#44
 2,2,4-Trimethylpentane
 Concen: 0.323 ppbv
 RT: 7.86
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 1165-19-1A-1
 Acq: 15 Apr 2022 00:46

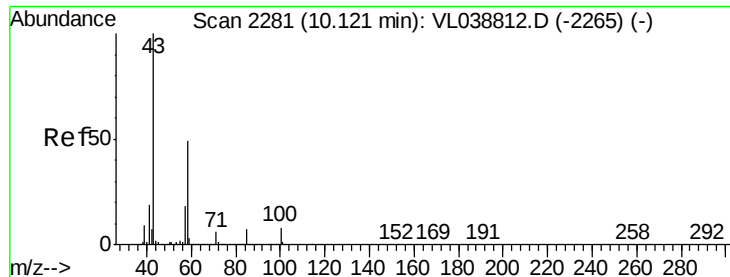
Tot Ion	57	Resp	151662
Ion	Ratio	Lower	Upper
57	100		
41	81.3	25.0	37.4#
56	101.0	25.3	37.9#



#50
 4-Methyl-2-Pentanone
 Concen: 1.039 ppbv
 RT: 8.74 min Scan# 1853
 Delta R.T. 0.01 min
 Lab File: VL038932.D
 Acq: 15 Apr 2022 00:46

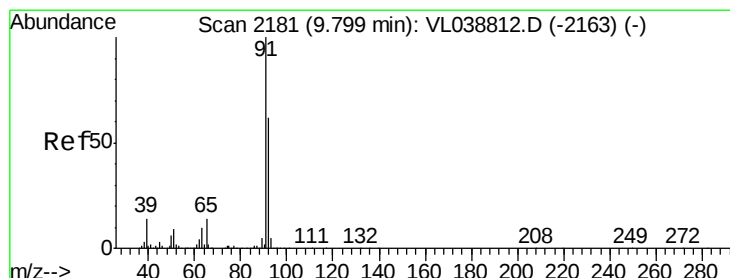
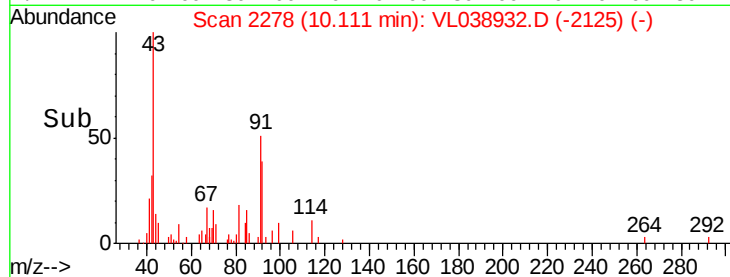
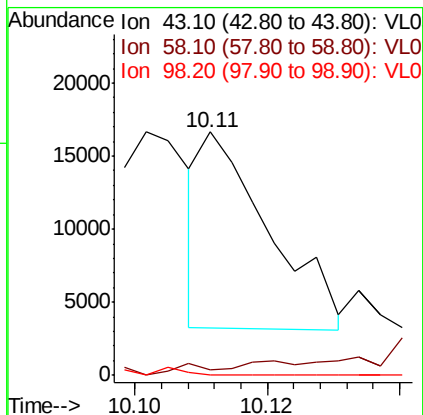
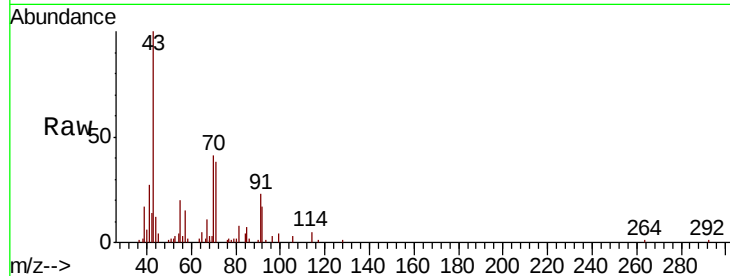
Tgt Ion	43	Resp	281556
Ion	Ratio	Lower	Upper
43	100		
58	38.6	29.0	43.6





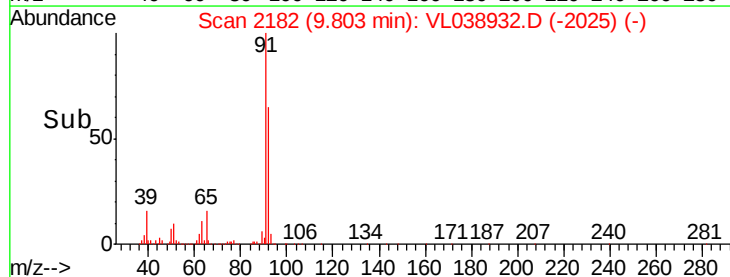
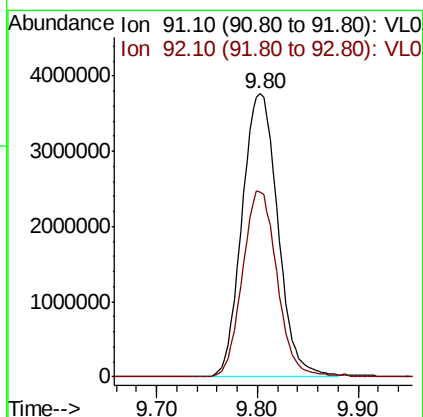
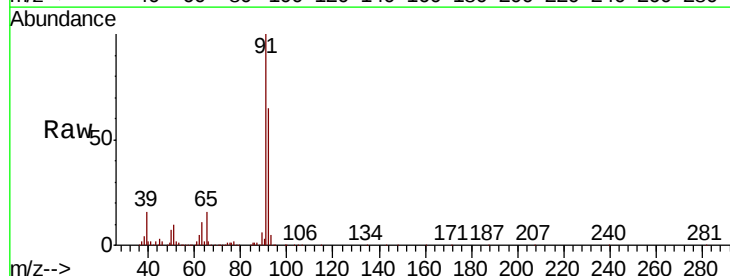
#51
2-Hexanone
Concen: 0.047 ppbv
RT: 10.11
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 15 Apr 2022 00:48

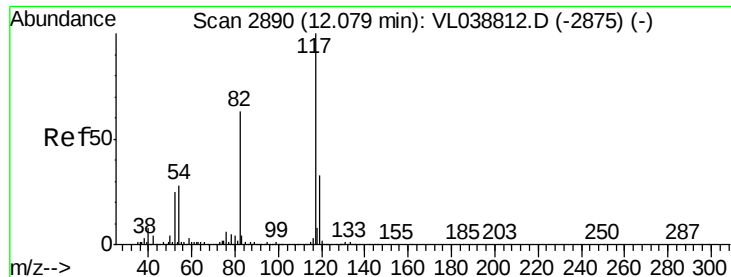
Tot Ion: 43 Resp: 9504
Ion Ratio Lower Upper
43 100
58 0.0 41.4 62.0#
98 0.0 0.1 0.1#



#53
Toluene
Concen: 28.970 ppbv
RT: 9.80 min Scan# 2182
Delta R.T. 0.00 min
Lab File: VL038932.D
Acq: 15 Apr 2022 00:46

Tgt Ion: 91 Resp: 9273685
Ion Ratio Lower Upper
91 100
92 63.6 49.2 73.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 15 Apr 2022 00:40

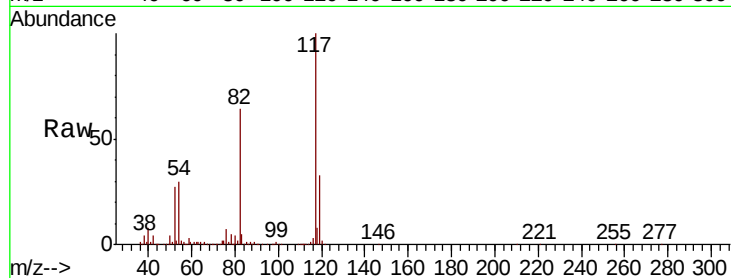
Tot Ion:117 Resp: 2809365

Ion Ratio Lower Upper

117 100

82 64.9 53.0 79.6

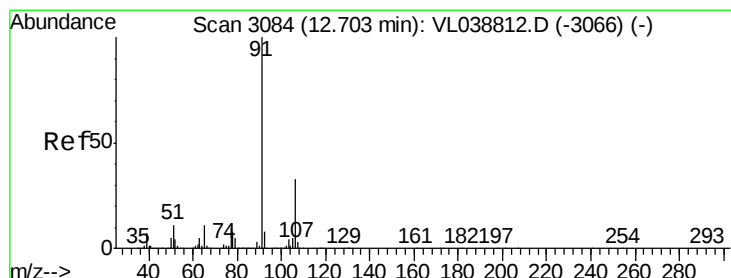
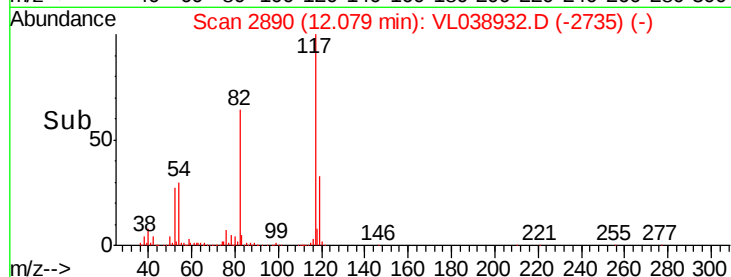
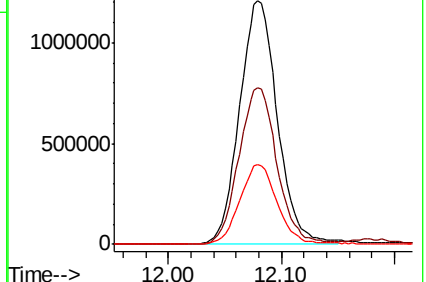
119 32.7 24.9 37.3



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#58

Ethyl Benzene

Concen: 0.981 ppbv

RT: 12.70 min Scan# 3084

Delta R.T. -0.00 min

Lab File: VL038932.D

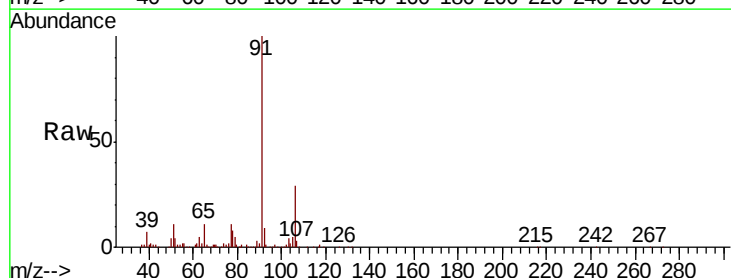
Acq: 15 Apr 2022 00:46

Tgt Ion: 91 Resp: 411864

Ion Ratio Lower Upper

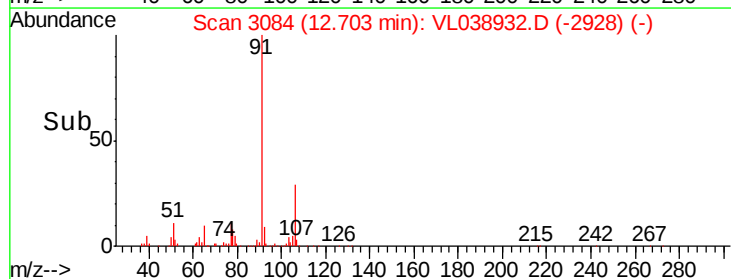
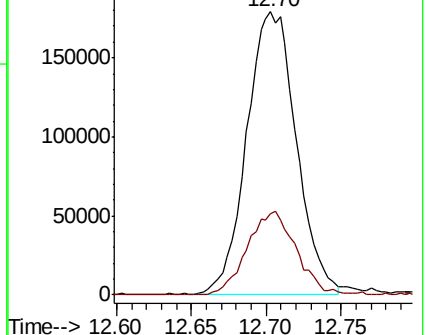
91 100

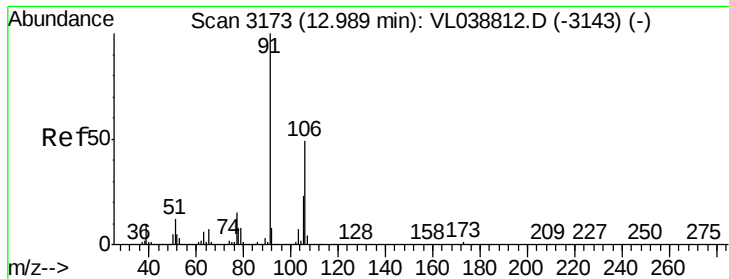
106 28.8 26.7 40.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

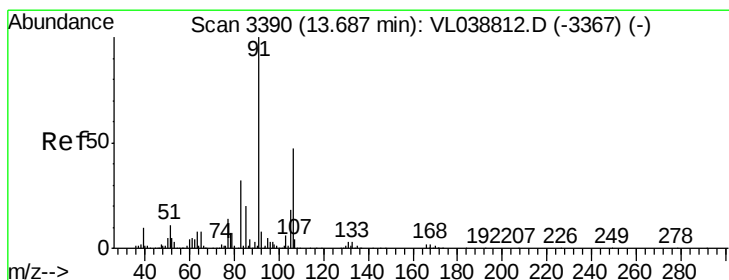
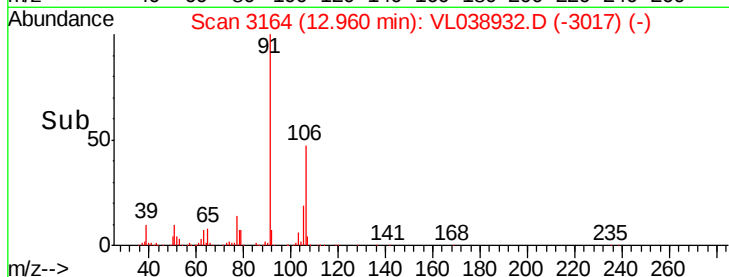
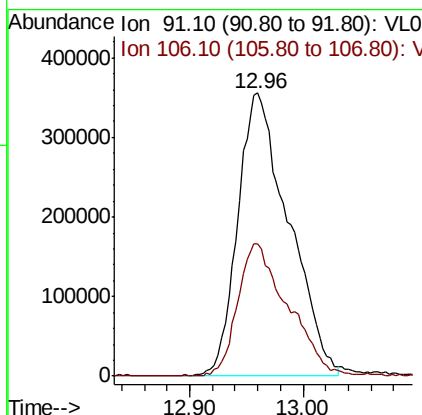
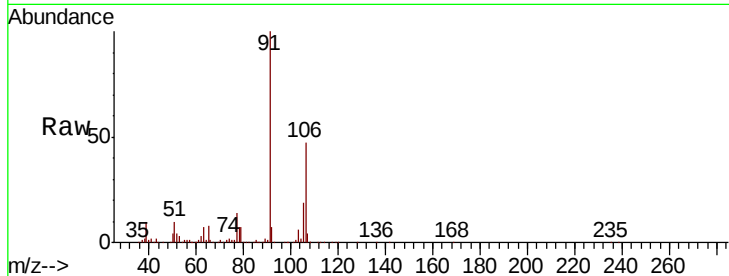
Ion 106.10 (105.80 to 106.80): V





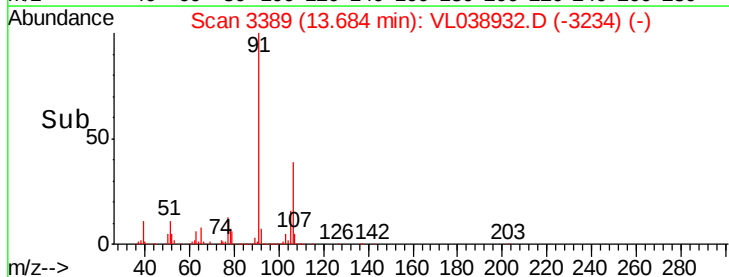
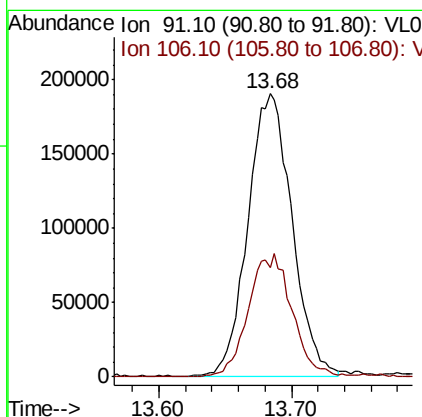
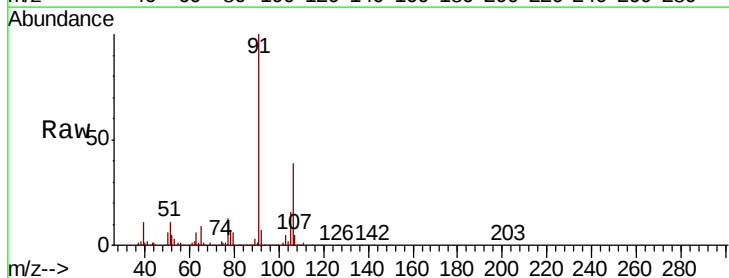
#59
m/p-Xylene
Concen: 3.145 ppbv
RT: 12.96 min
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
Acq: 15 Apr 2022 00:48

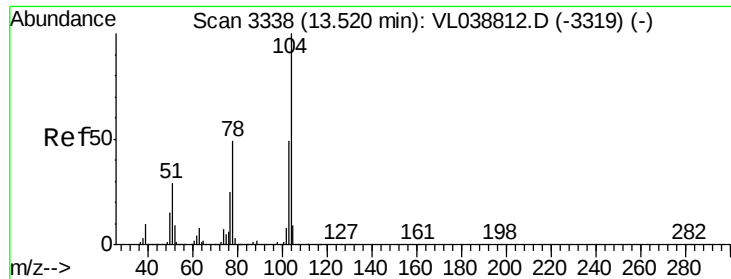
Tot Ion: 91 Resp: 1109353
Ion Ratio Lower Upper
91 100
106 46.5 37.1 55.7



#60
o-Xylene
Concen: 1.328 ppbv
RT: 13.68 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VL038932.D
Acq: 15 Apr 2022 00:46

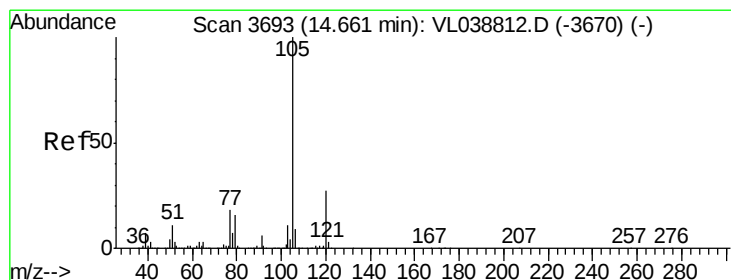
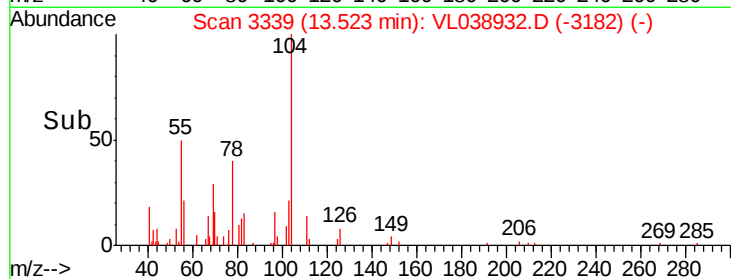
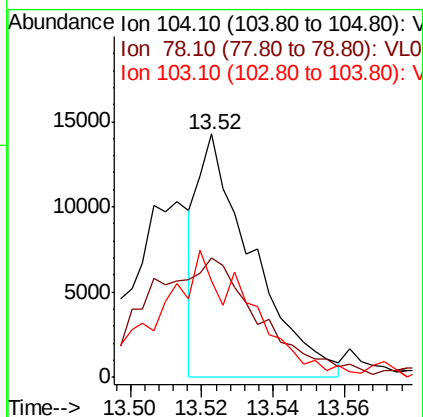
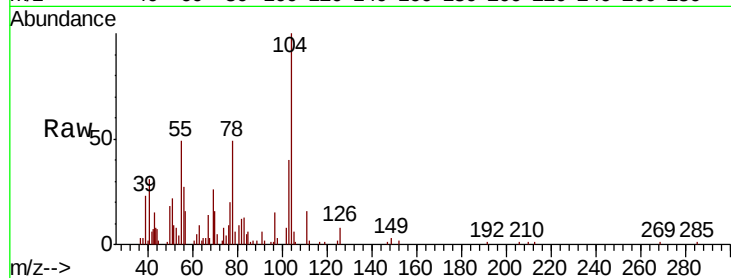
Tgt Ion: 91 Resp: 438121
Ion Ratio Lower Upper
91 100
106 43.7 23.8 71.4





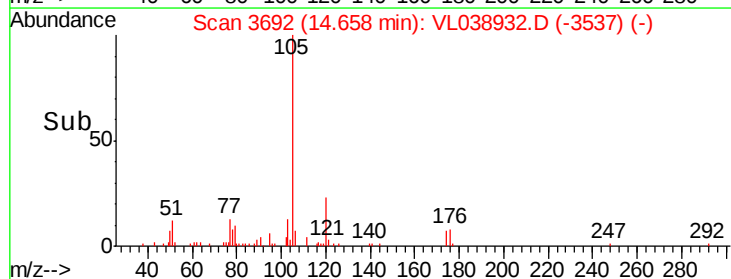
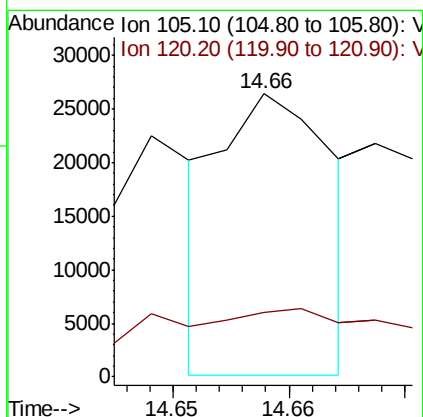
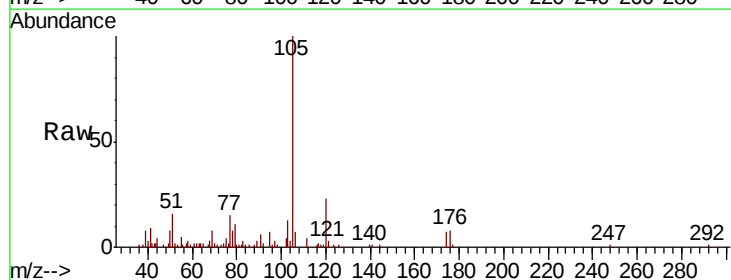
#61
Stvrene
Concen: 0.075 ppbv
RT: 13.52
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 15 Apr 2022 00:40

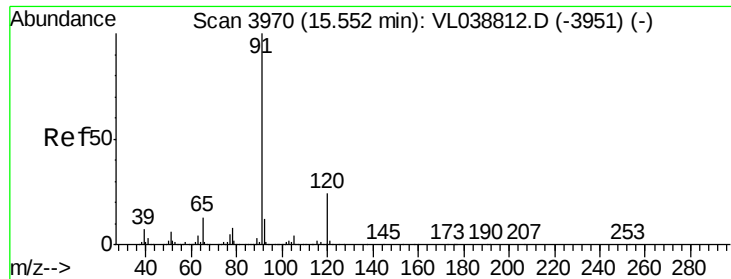
Tot Ion	Ratio	Lower	Upper
104	100		
78	107.7	40.5	60.7#
103	94.7	39.0	58.4#



#62
Isopropylbenzene
Concen: 0.036 ppbv
RT: 14.66 min Scan# 3692
Delta R.T. -0.00 min
Lab File: VL038932.D
Acq: 15 Apr 2022 00:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	80.1	21.8	32.8#





#64

n-propylbenzene

Concen: 0.359 ppbv

RT: 15.55 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

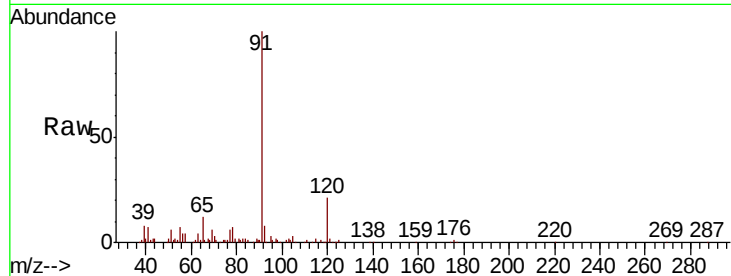
Acq: 15 Apr 2022 00:48

Tot Ion:120 Resp: 46162

Ion Ratio Lower Upper

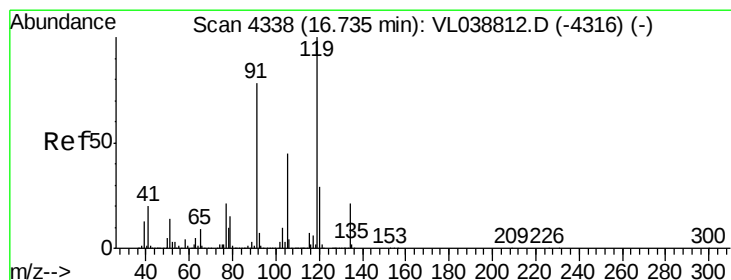
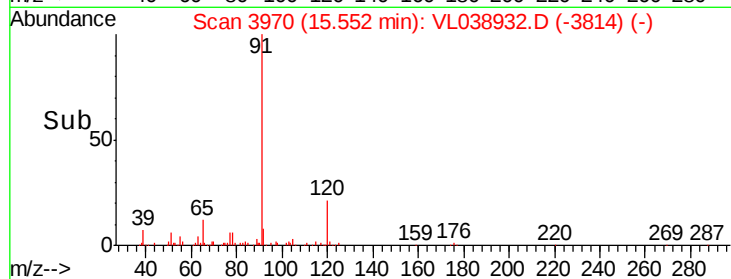
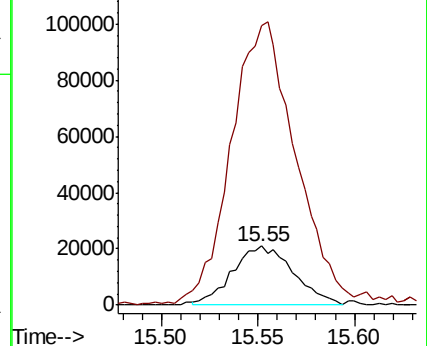
120 100

91 504.6 360.6 540.8



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.091 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. 0.02 min

Lab File: VL038932.D

Acq: 15 Apr 2022 00:46

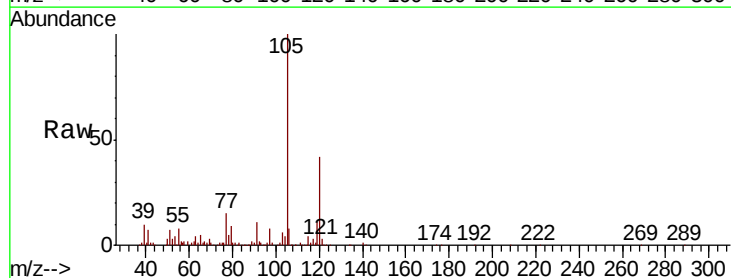
Tgt Ion:119 Resp: 39969

Ion Ratio Lower Upper

119 100

91 237.0 62.8 94.2#

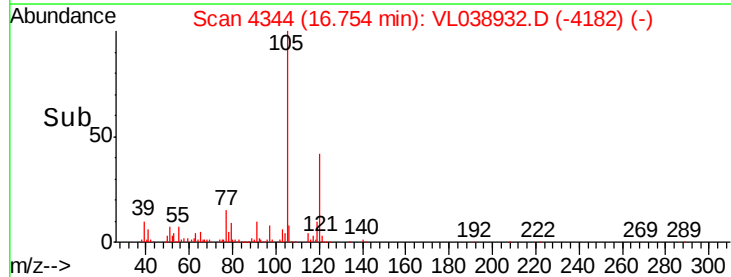
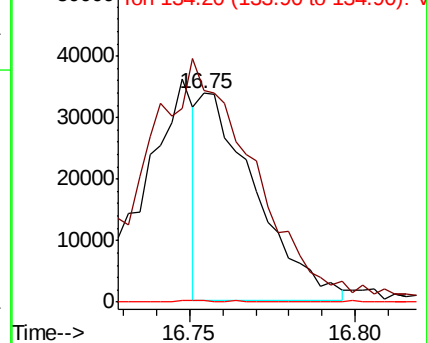
134 0.8 16.2 24.4#

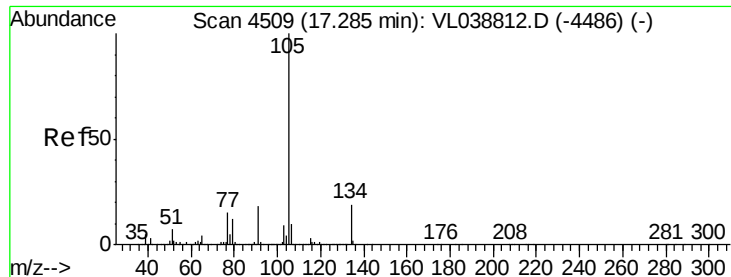


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V





#67

sec-Butylbenzene

Concen: 0.063 ppbv

RT: 17.28

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

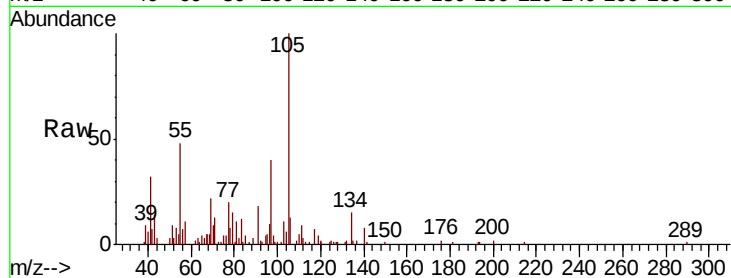
Acq: 15 Apr 2022 00:40

Tot Ion: 105 Resp: 39147

Ion Ratio Lower Upper

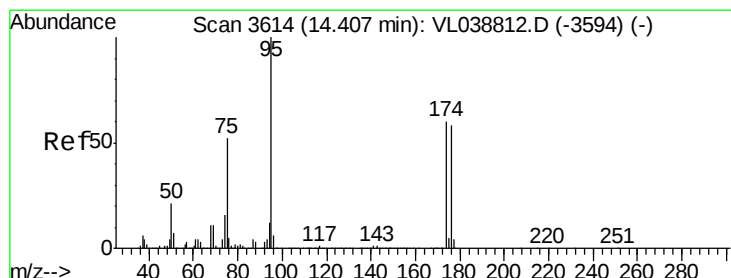
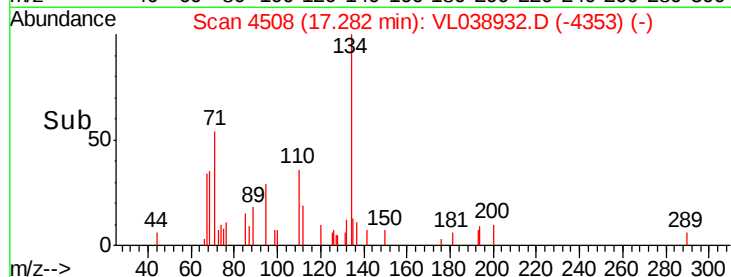
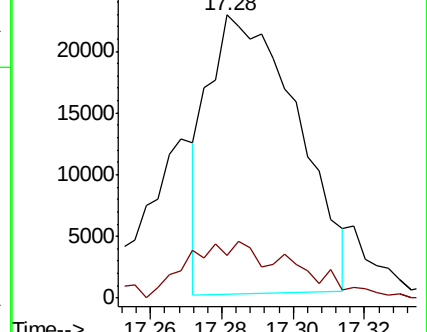
105 100

134 26.3 15.1 22.7#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.563 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. 0.00 min

Lab File: VL038932.D

Acq: 15 Apr 2022 00:46

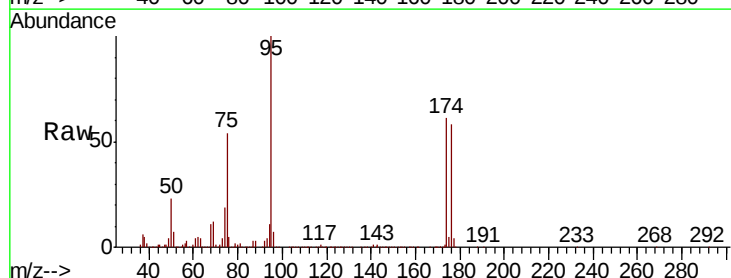
Tgt Ion: 95 Resp: 2250905

Ion Ratio Lower Upper

95 100

174 61.8 52.0 78.0

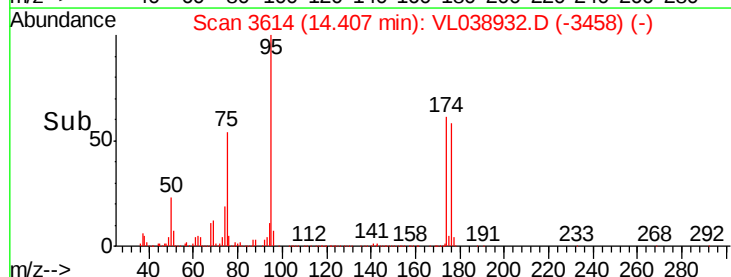
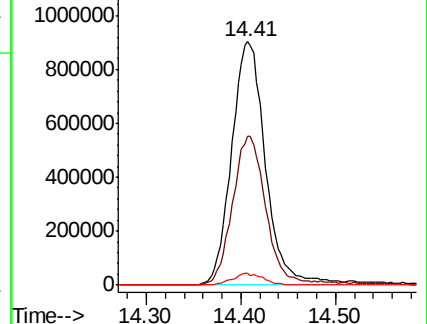
175 4.7 4.0 6.0

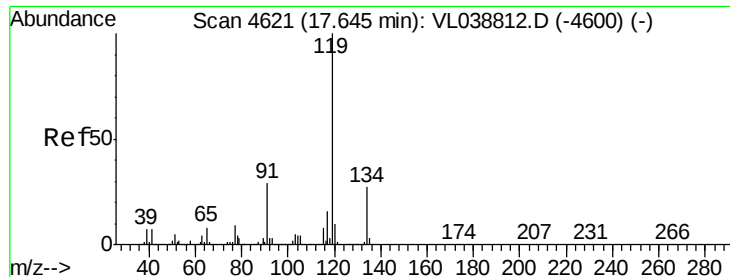


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

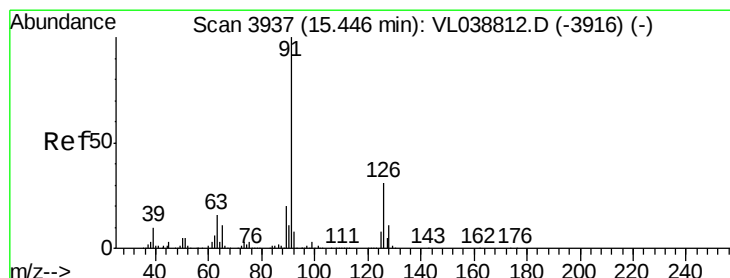
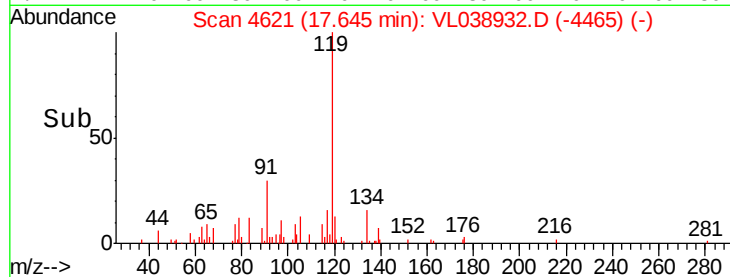
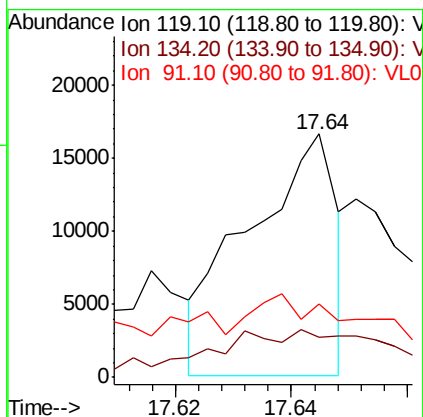
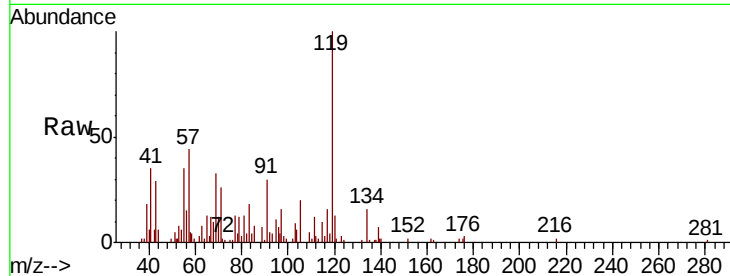
Ion 175.00 (174.70 to 175.70): V





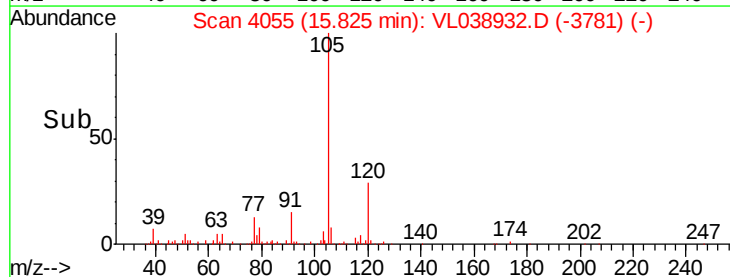
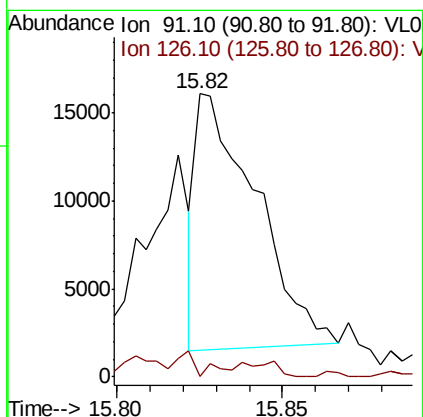
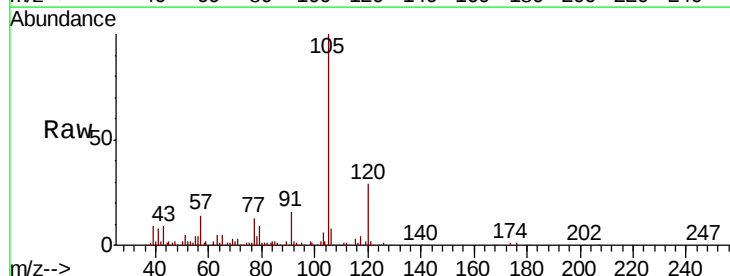
#69
 p-Isopropyltoluene
 Concen: 0.035 ppbv
 RT: 17.64 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampled :
 1165-19-1A-1
 Acq: 15 Apr 2022 00:40

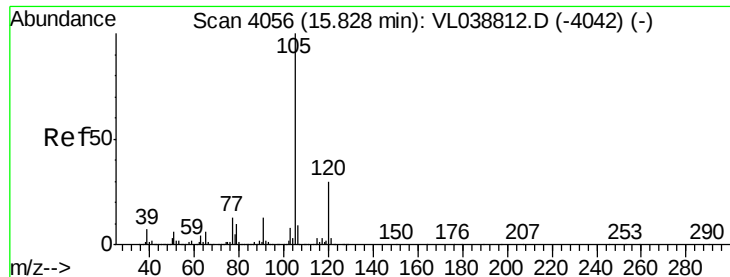
Tot Ion: 119 Resp: 17522
 Ion Ratio Lower Upper
 119 100
 134 47.2 20.8 31.2#
 91 75.6 22.6 34.0#



#71
 2-Chlorotoluene
 Concen: 0.049 ppbv
 RT: 15.82 min Scan# 4055
 Delta R.T. 0.38 min
 Lab File: VL038932.D
 Acq: 15 Apr 2022 00:46

Tgt Ion: 91 Resp: 18275
 Ion Ratio Lower Upper
 91 100
 126 14.2 13.0 51.8





#72

4-Ethyltoluene

Concen: 0.614 ppbv

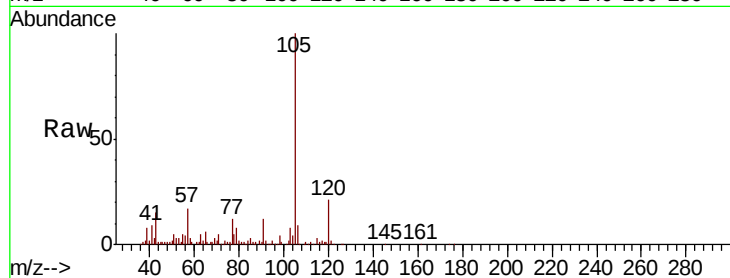
RT: 15.83

Delta R.T. MSVOA_L

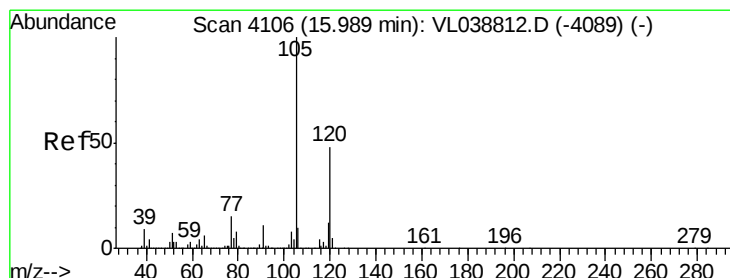
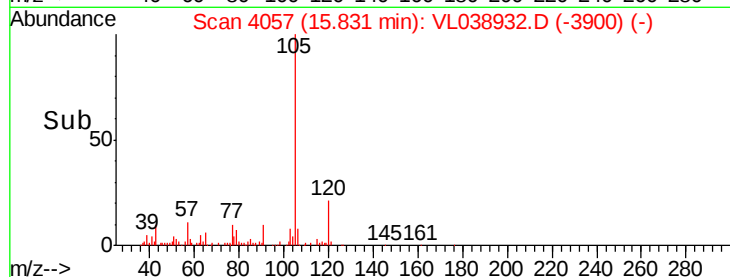
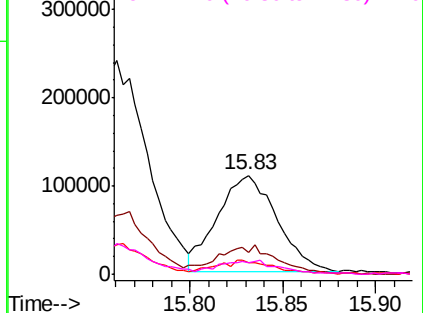
Lab File: ClientSampleId :

Acq: 15 Apr 2022 00:48

Tot Ion:	105	Resp:	242152
Ion	Ratio	Lower	Upper
105	100		
120	28.2	24.3	36.5
91	13.5	9.4	14.2
77	13.7	10.6	15.8



Abundance Ion 105.10 (104.80 to 105.80): V



#73

1,3,5-Trimethylbenzene

Concen: 0.329 ppbv

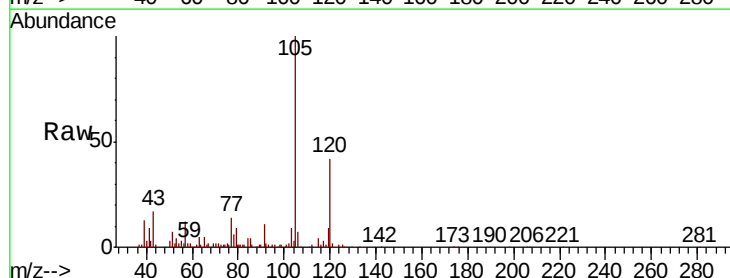
RT: 15.99 min Scan# 4106

Delta R.T. -0.00 min

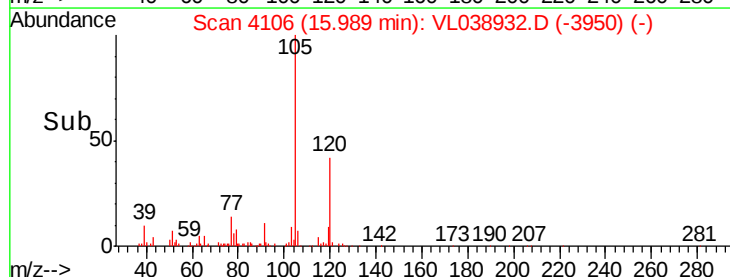
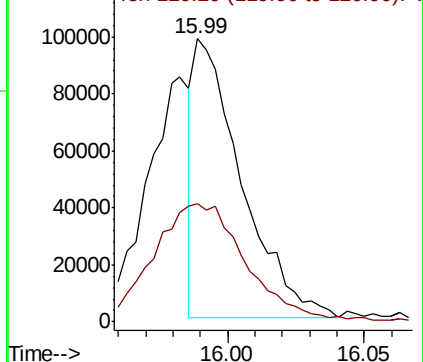
Lab File: VL038932.D

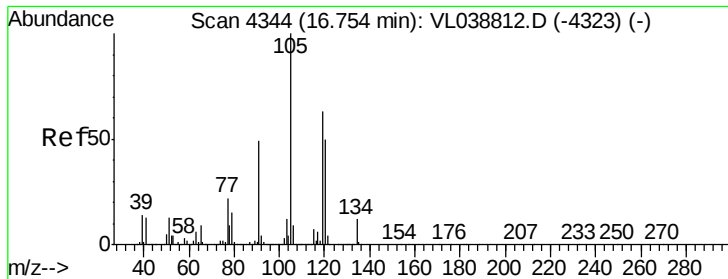
Acq: 15 Apr 2022 00:46

Tgt Ion:	105	Resp:	116567
Ion	Ratio	Lower	Upper
105	100		
120	43.1	38.7	58.1



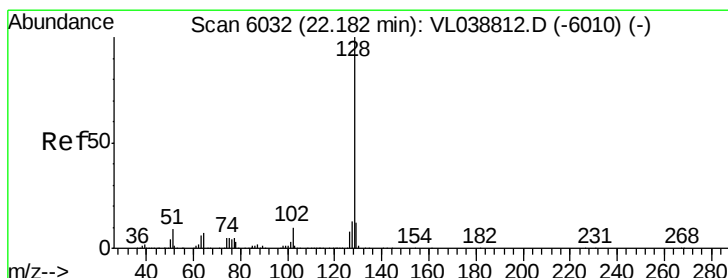
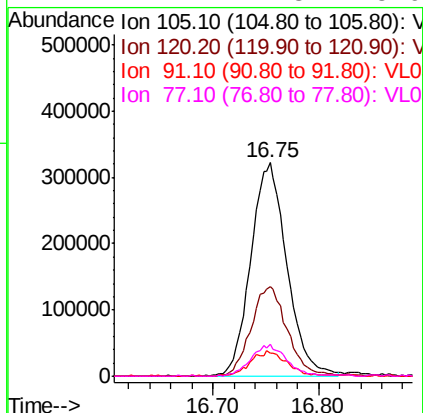
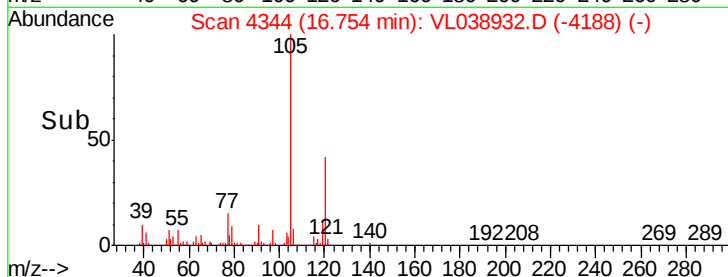
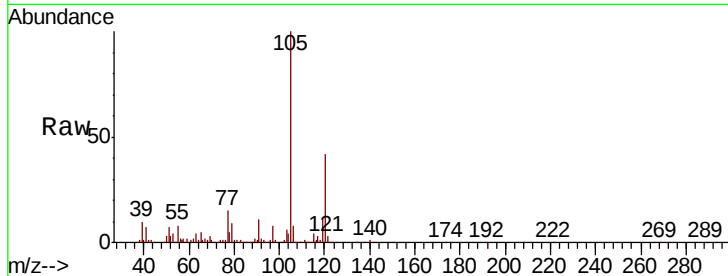
Abundance Ion 105.10 (104.80 to 105.80): V





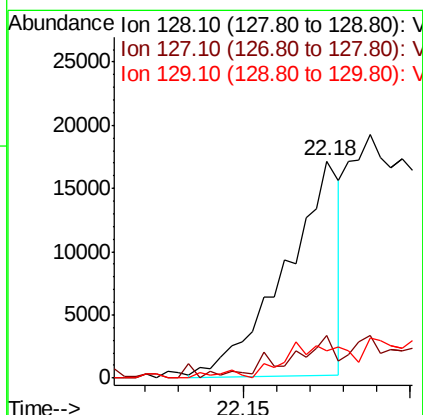
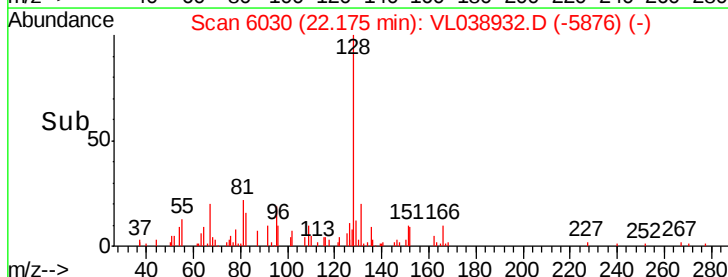
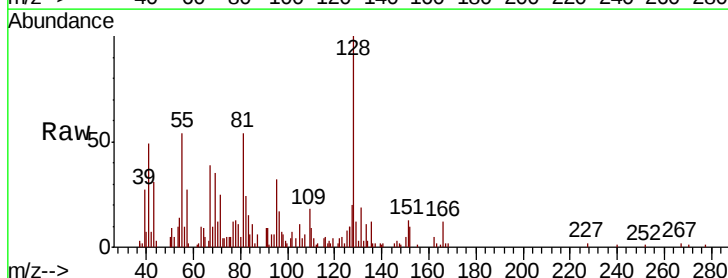
#74
 1,2,4-Trimethylbenzene
 Concen: 2.054 ppbv
 RT: 16.75 min
 Delta R.T.: 0.00 min
 Lab File: VL038812.D
 Acq: 15 Apr 2022 00:46

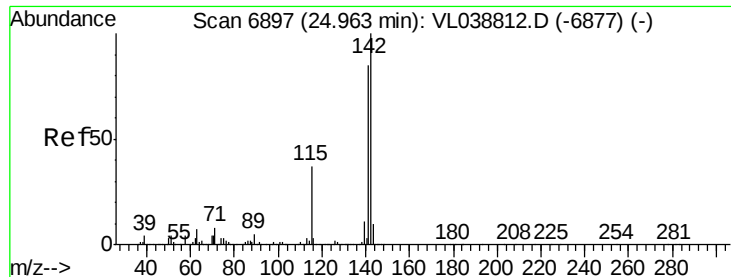
Tot Ion:	105	Resp:	768612
Ion	Ratio	Lower	Upper
105	100		
120	42.2	39.8	59.8
91	10.5	39.4	59.0#
77	14.7	17.3	25.9#



#79
 Naphthalene
 Concen: 0.069 ppbv
 RT: 22.18 min Scan# 6030
 Delta R.T.: -0.01 min
 Lab File: VL038932.D
 Acq: 15 Apr 2022 00:46

Tgt Ion:	128	Resp:	19385
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	12.7	9.4	14.0





#80
 Naphthalene, 2-methyl-
 Concen: 0.160 ppbv
 RT: 24.97
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 15 Apr 2022 08:48

Tot Ion	Ratio	Lower	Upper
142	100		
141	131.7	68.8	103.2#
115	157.4	31.6	47.4#

