

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 :

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)
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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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

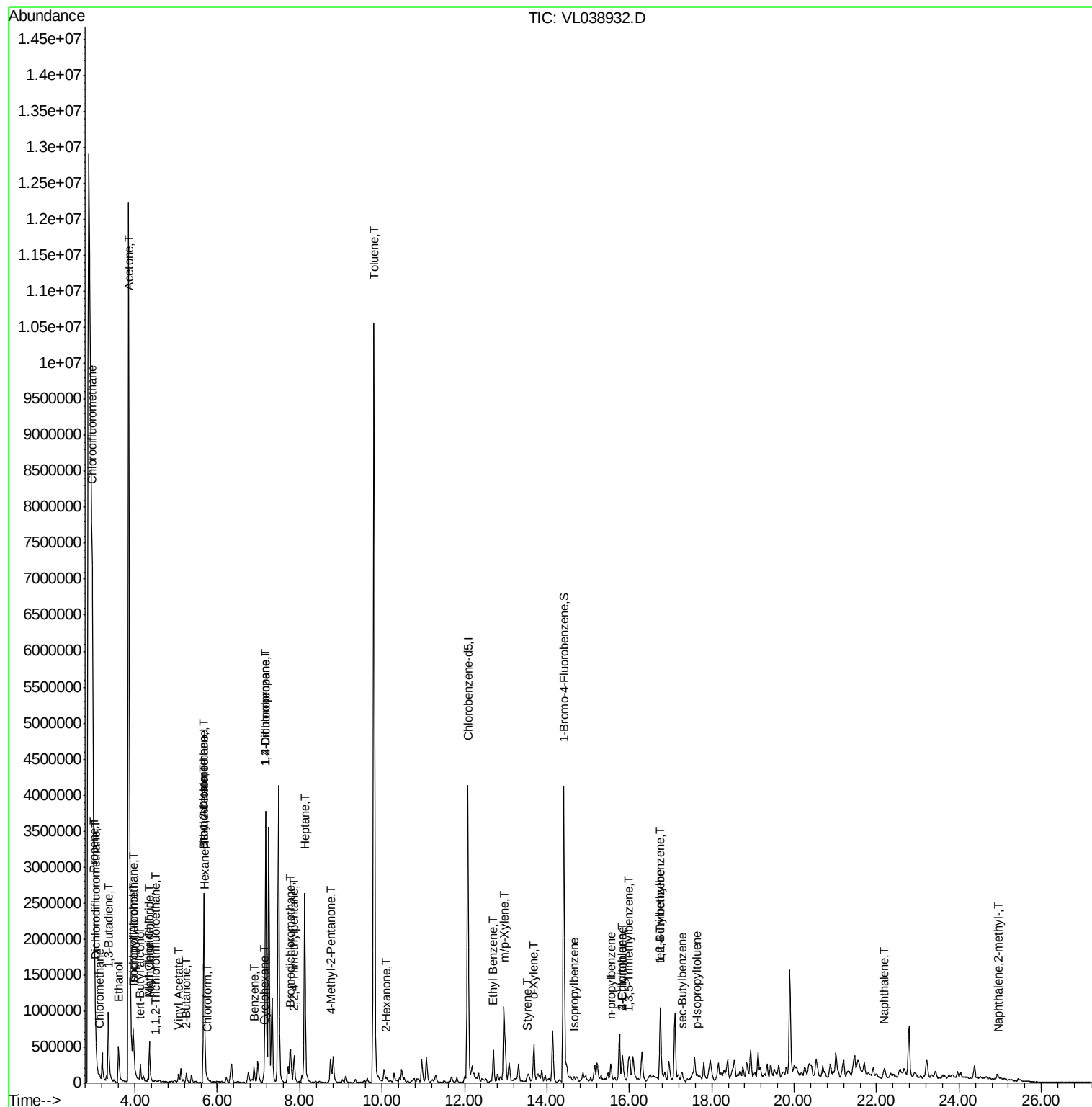
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Naphthalene	22.18	128	19385	0.069	ppbv	99
80) Naphthalene,2-methyl-	24.97	142	11055	0.160	ppbv #	5

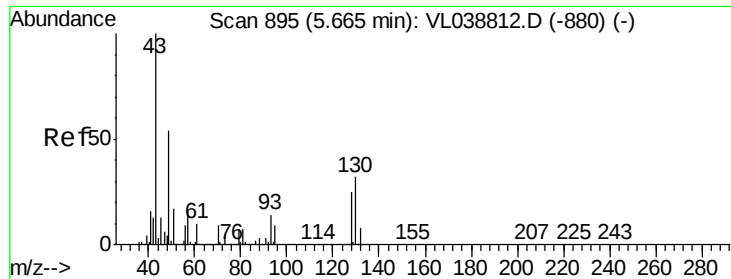
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 15 Apr 2022 00:48

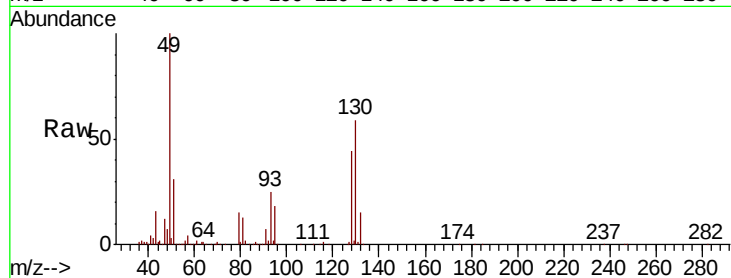
Tot Ion: 49 Resp: 1217227

Ion Ratio Lower Upper

49 100

128 47.4 24.1 72.3

130 61.1 30.9 92.8



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

5.67

800000

600000

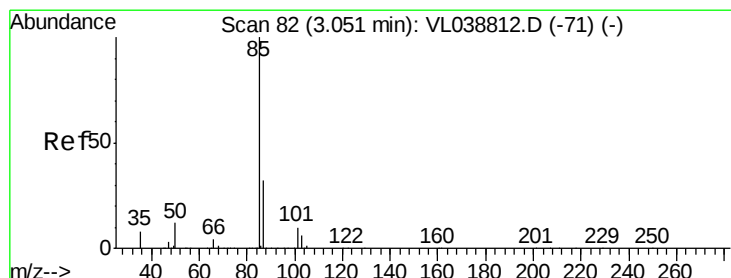
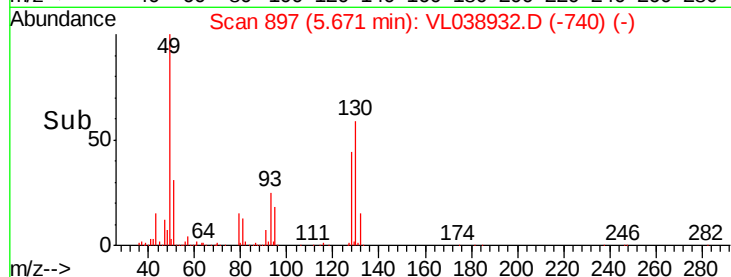
400000

200000

0

5.60 5.65 5.70 5.75

Time-->



#2

Dichlorodifluoromethane

Concen: 0.628 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL038932.D

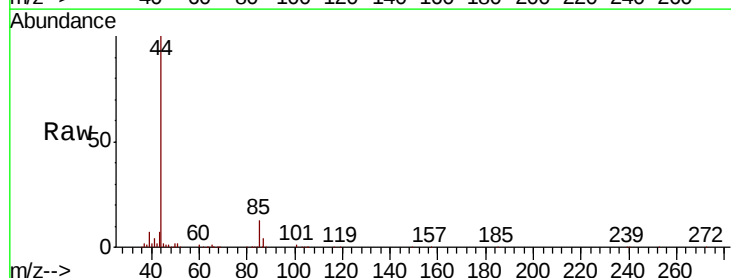
Acq: 15 Apr 2022 00:46

Tgt Ion: 85 Resp: 108479

Ion Ratio Lower Upper

85 100

87 28.3 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.05

80000

60000

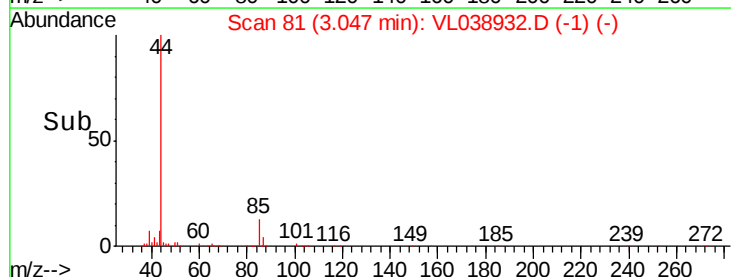
40000

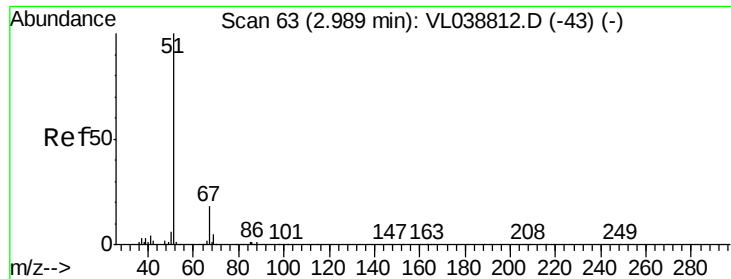
20000

0

3.00 3.05 3.10 3.15

Time-->





#3

Chlorodifluoromethane

Concen: 6.377 ppbv

RT: 2.96 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

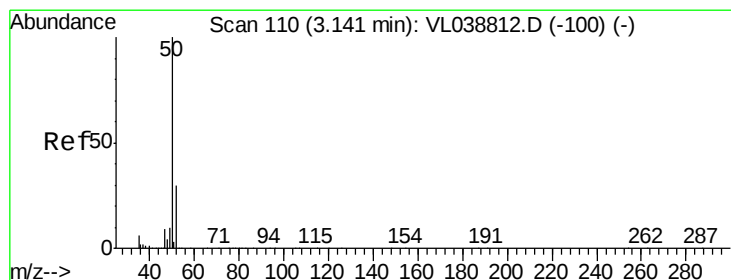
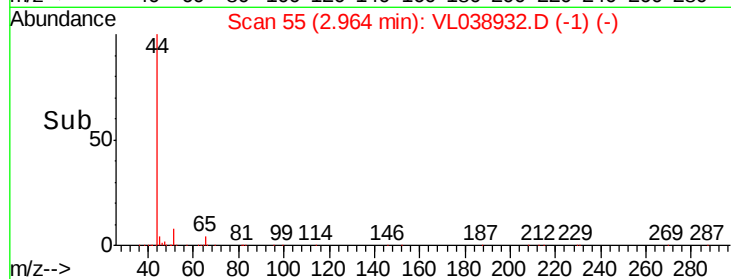
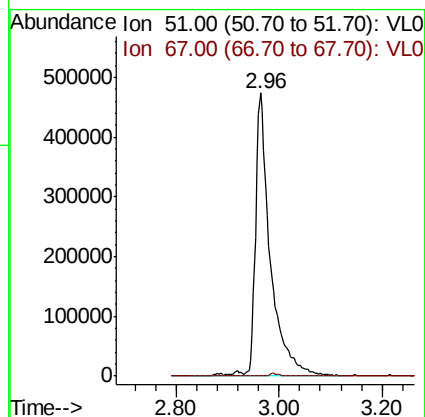
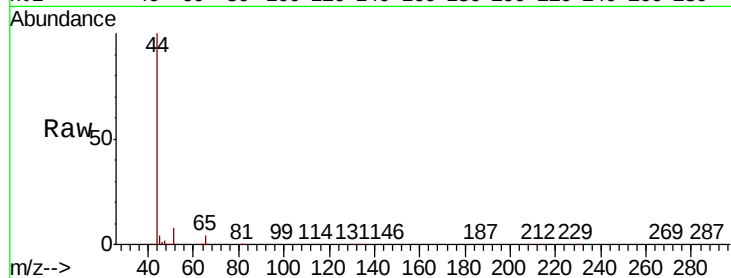
Acq: 15 Apr 2022 00:40

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

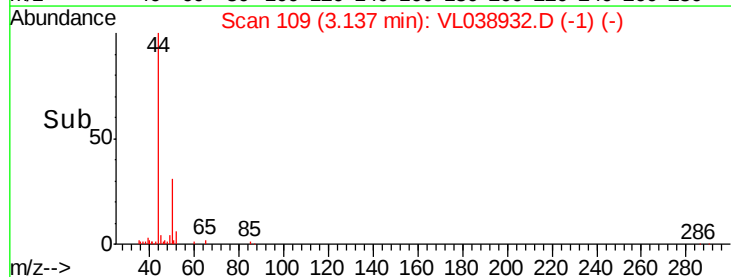
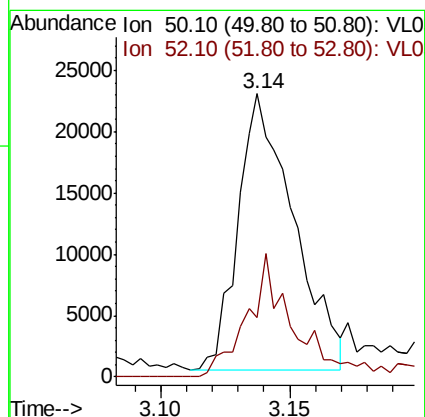
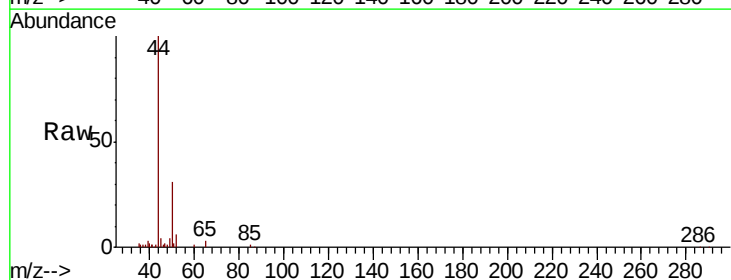
Acq: 15 Apr 2022 00:46

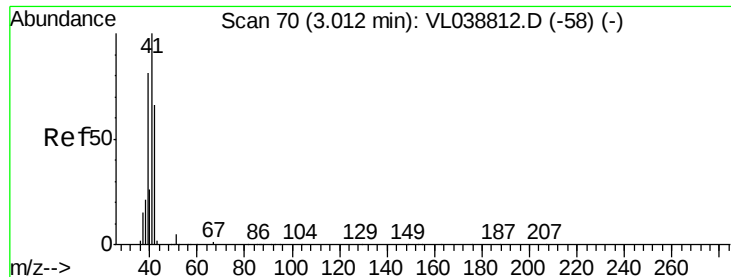
Tgt Ion: 50 Resp: 34016

Ion Ratio Lower Upper

50 100

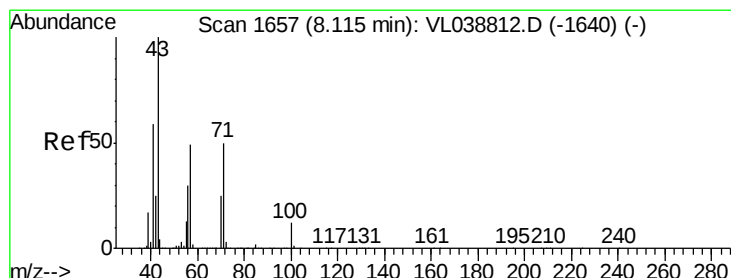
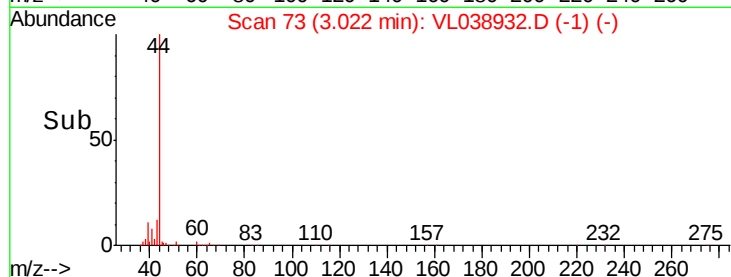
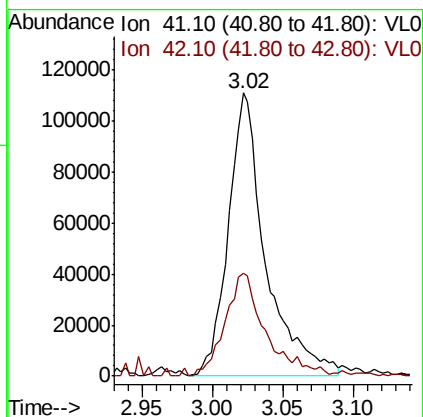
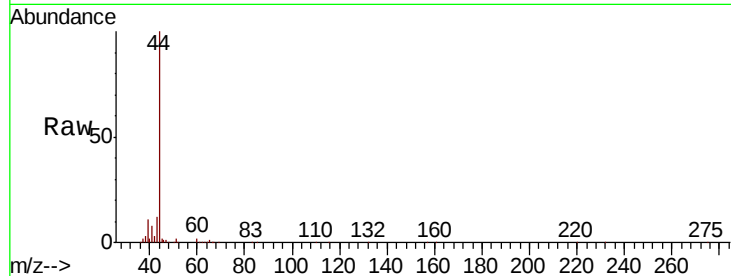
52 21.4 24.3 36.5#





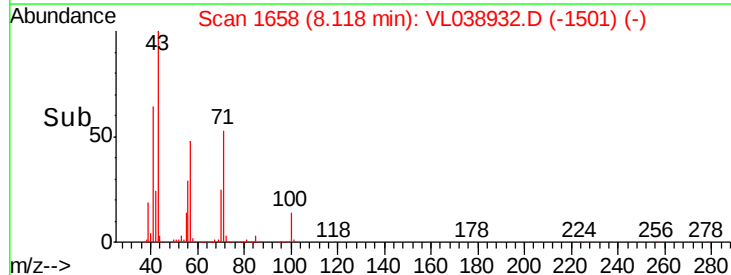
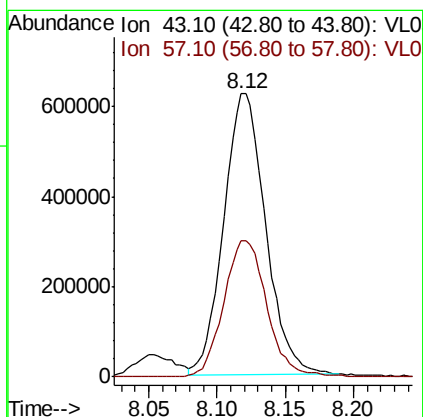
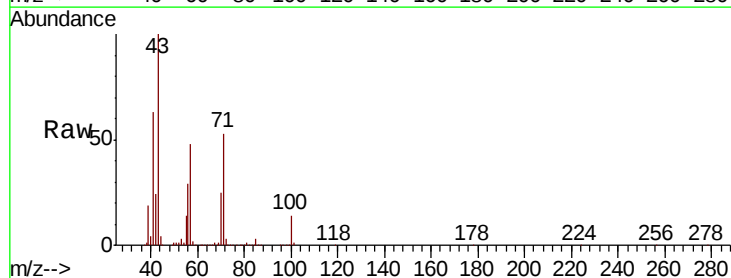
#9
 Propene
 Concen: 2.581 ppbv
 RT: 3.02
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 15 Apr 2022 00:40

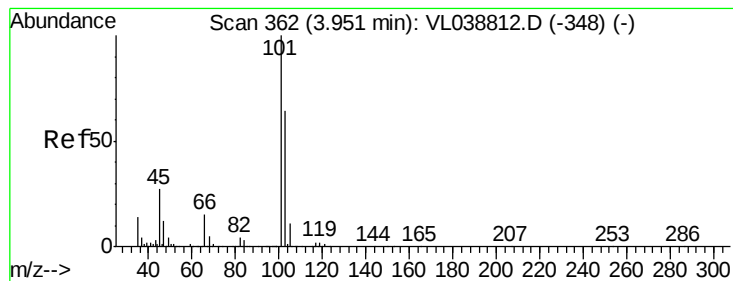
Tot Ion: 41 Resp: 202850
 Ion Ratio Lower Upper
 41 100
 42 41.2 54.2 81.4#



#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:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

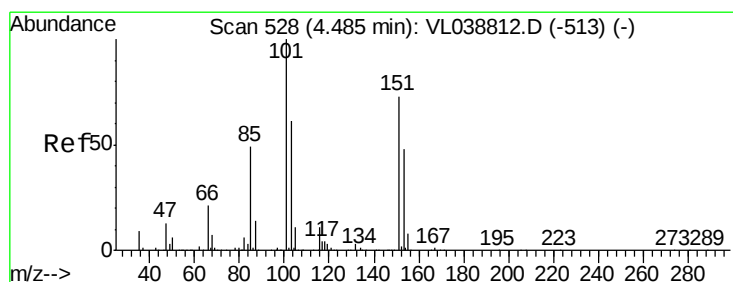
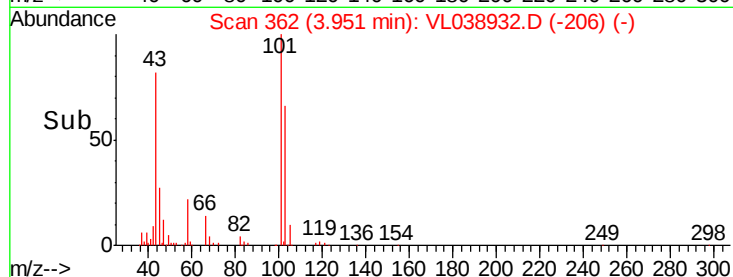
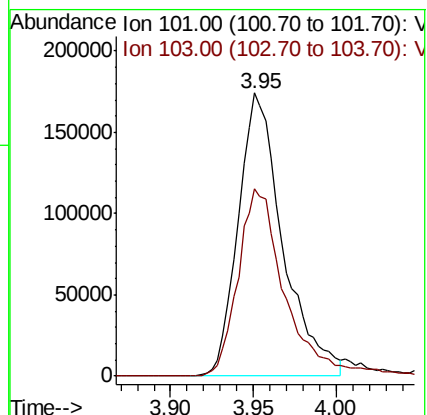
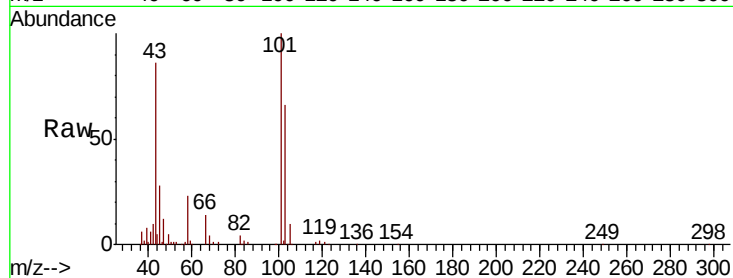
Acq: 15 Apr 2022 00:48

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

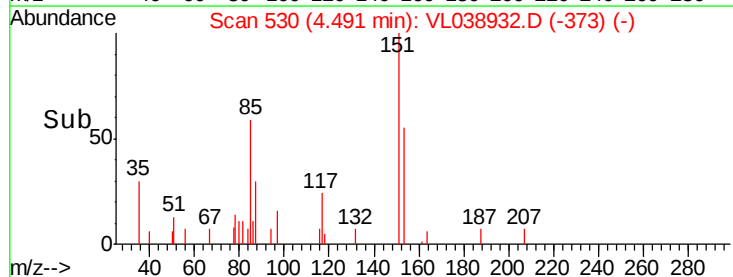
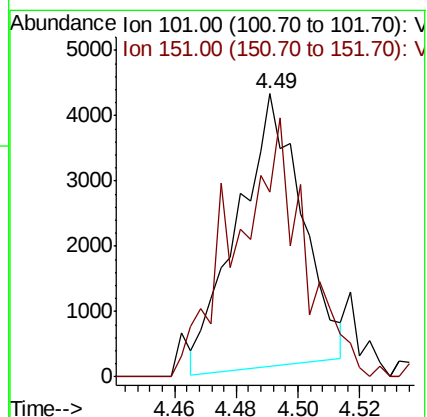
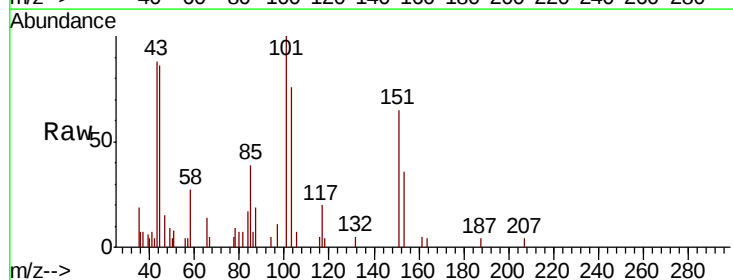
Acq: 15 Apr 2022 00:46

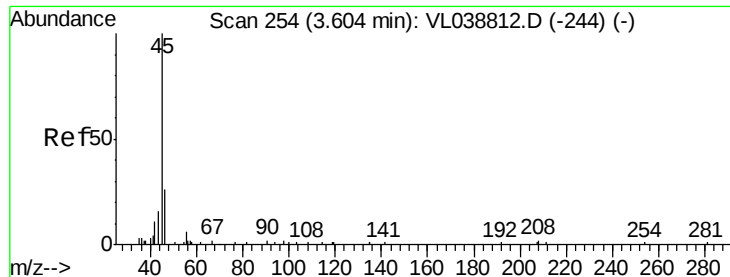
Tgt Ion:101 Resp: 6022

Ion Ratio Lower Upper

101 100

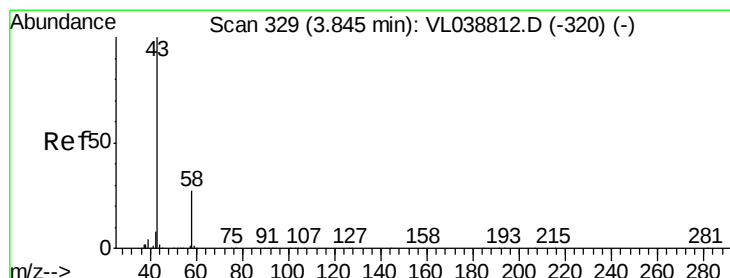
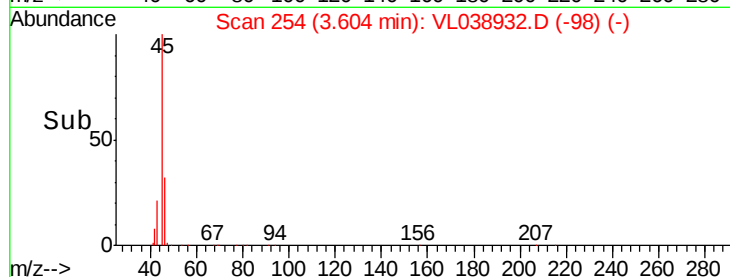
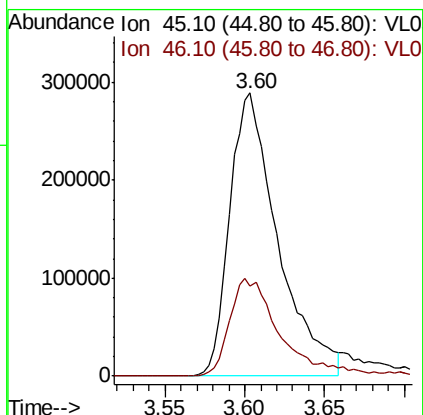
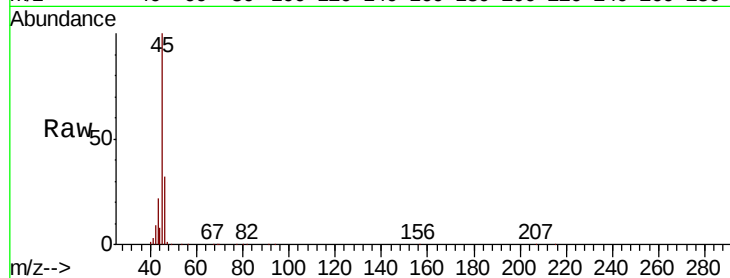
151 102.4 59.9 89.9#





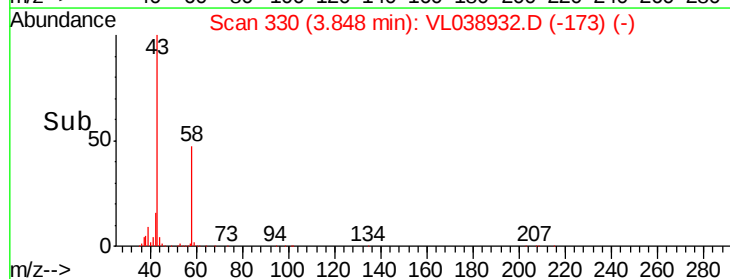
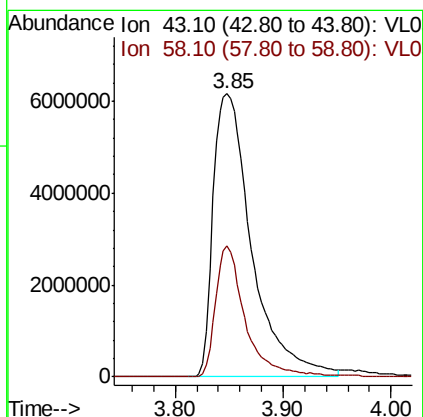
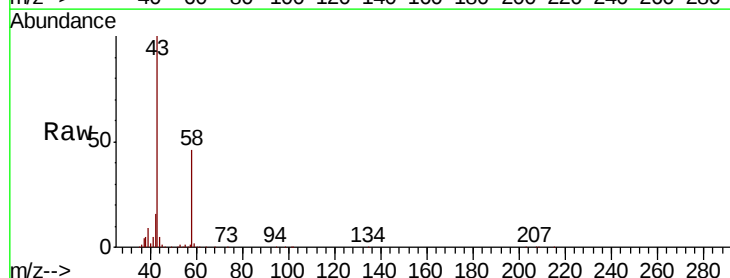
#13
 Ethanol
 Concen: 124.319 ppbv
 RT: 3.60
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 15 Apr 2022 00:40

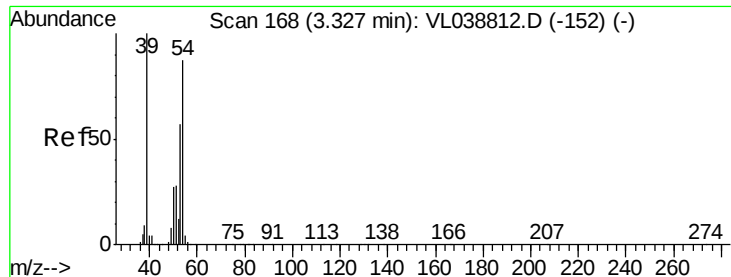
Tot Ion	45	Resp	593795
Ion	Ratio	Lower	Upper
45	100		
46	37.9	0.0	0.0#



#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

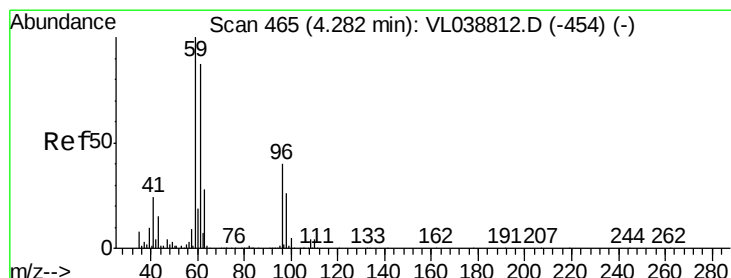
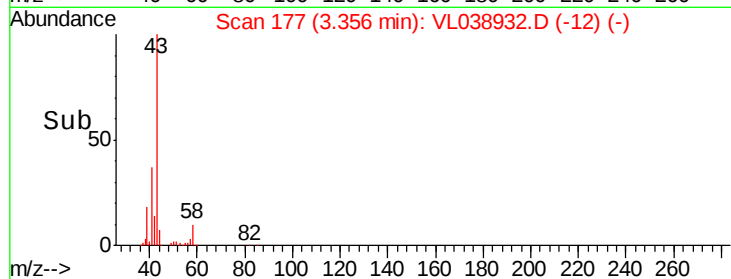
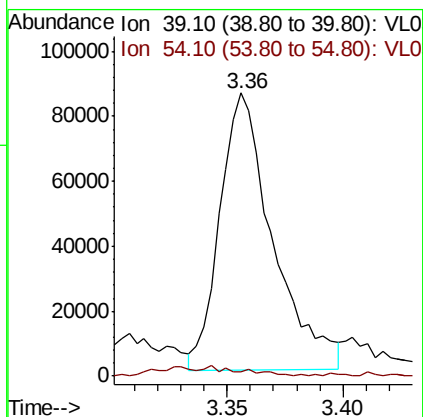
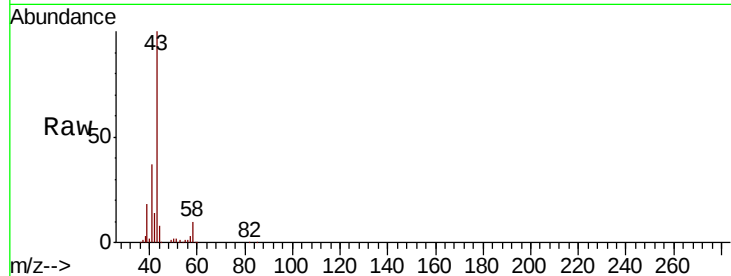
Tgt Ion	43	Resp	15378868
Ion	Ratio	Lower	Upper
43	100		
58	36.5	22.5	33.7#





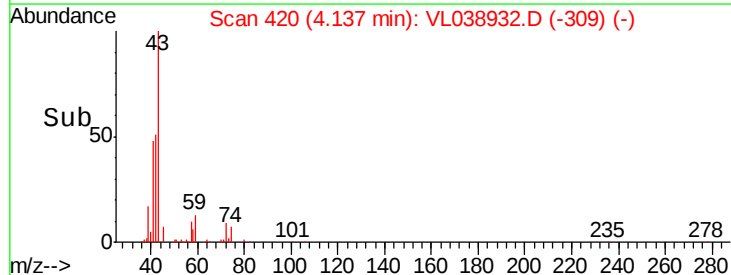
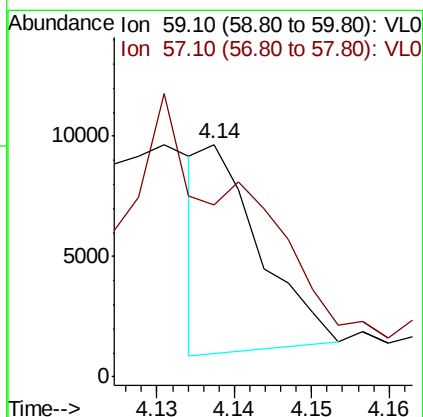
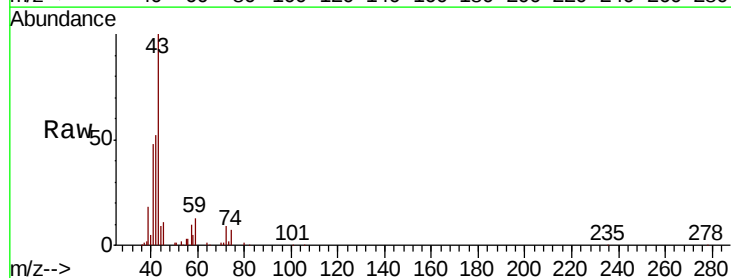
#16
 1,3-Butadiene
 Concen: 1.953 ppbv
 RT: 3.36
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 15 Apr 2022 00:40

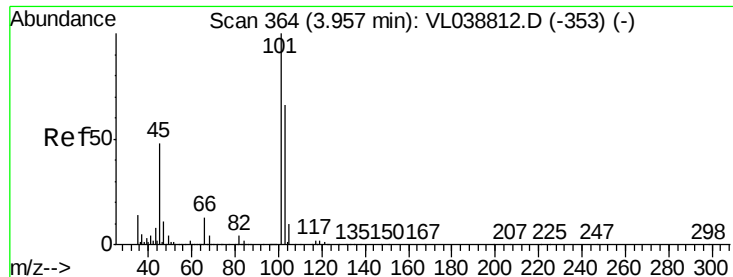
Tot Ion: 39 Resp: 135311
 Ion Ratio Lower Upper
 39 100
 54 6.2 64.8 97.2#



#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:

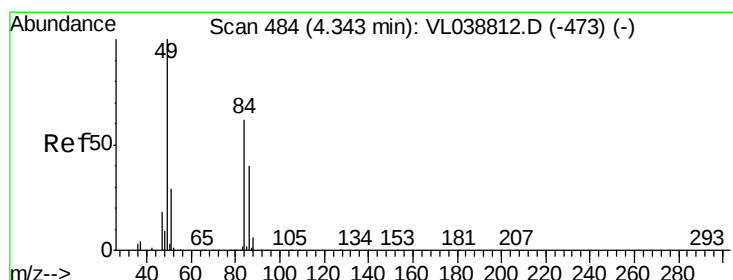
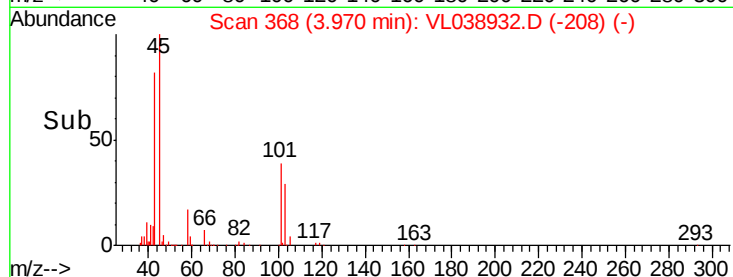
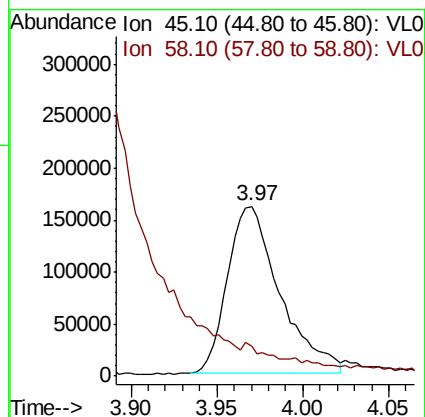
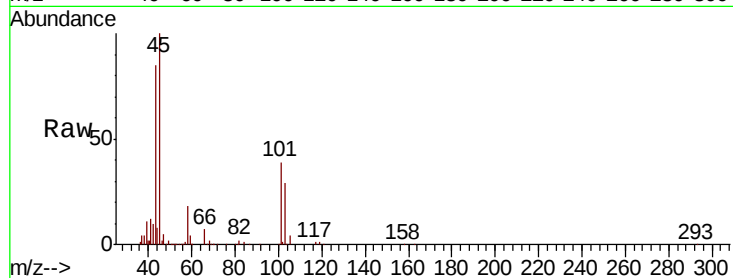
Acq: 15 Apr 2022 00:46

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

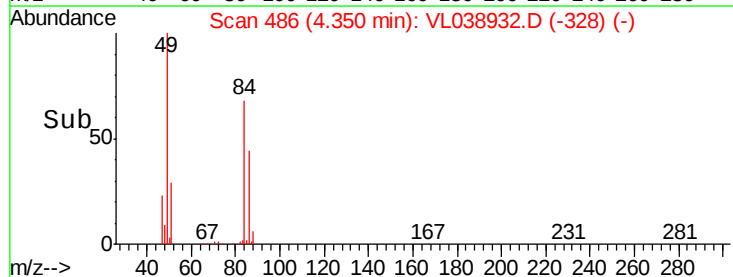
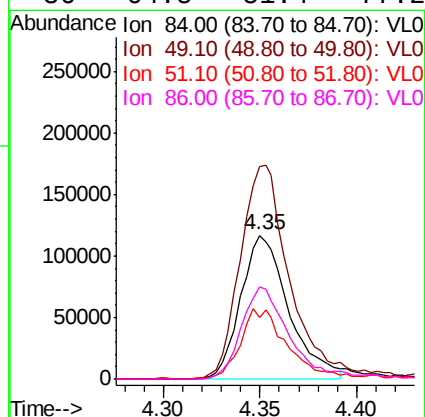
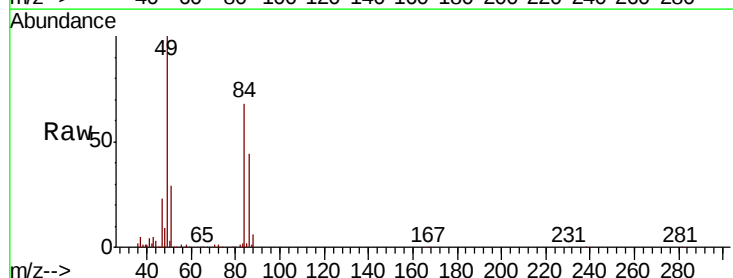
Ion Ratio Lower Upper

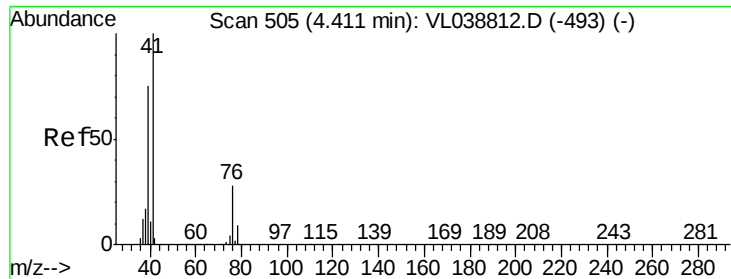
84 100

49 147.8 129.4 194.0

51 42.6 37.4 56.2

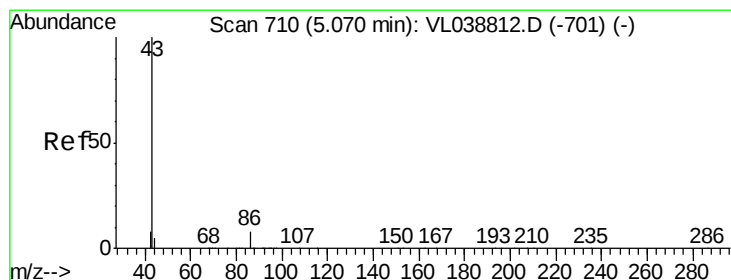
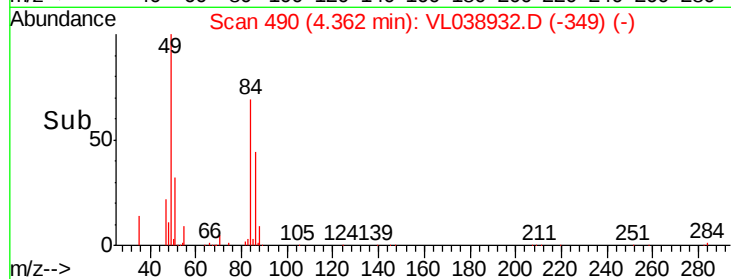
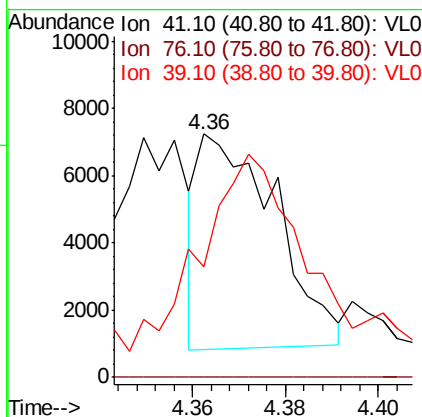
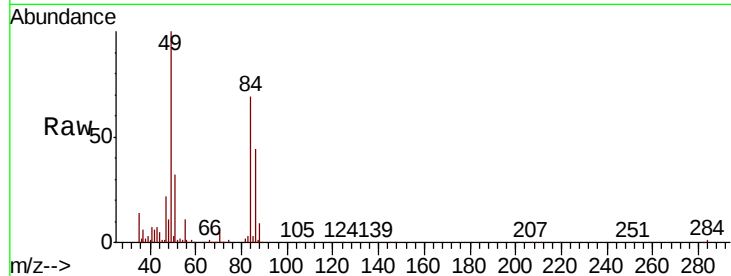
86 64.5 51.4 77.2





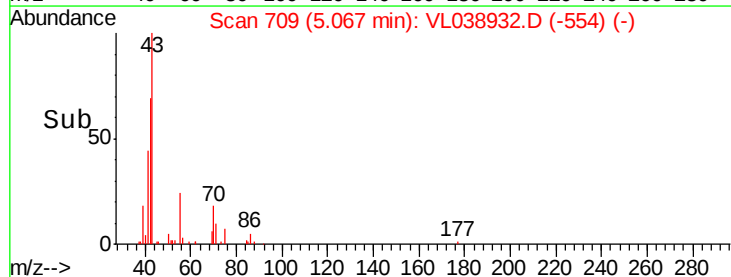
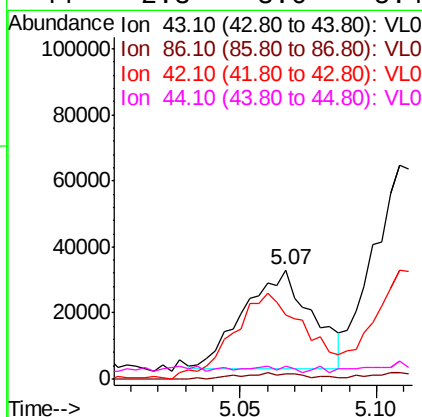
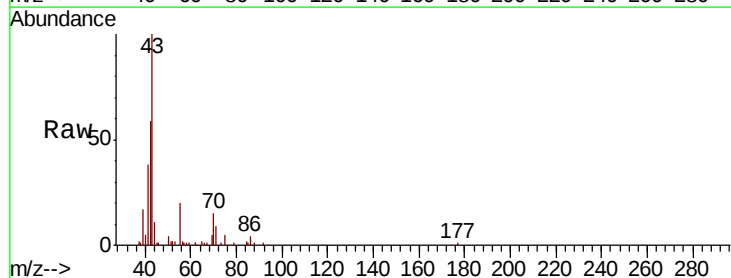
#21
Allvl Chloride
Concen: 0.081 ppbv
RT: 4.36
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 15 Apr 2022 00:40

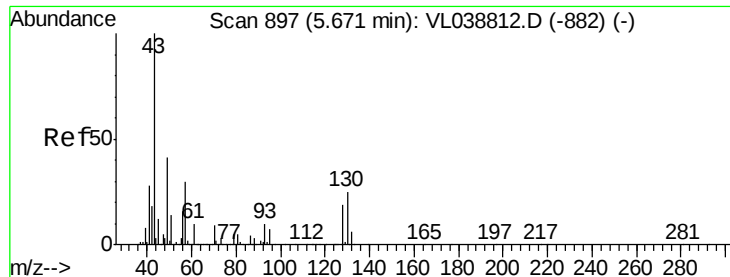
Tot Ion: 41 Resp: 7339
Ion Ratio Lower Upper
41 100
76 0.0 23.7 35.5#
39 158.5 62.0 93.0#



#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

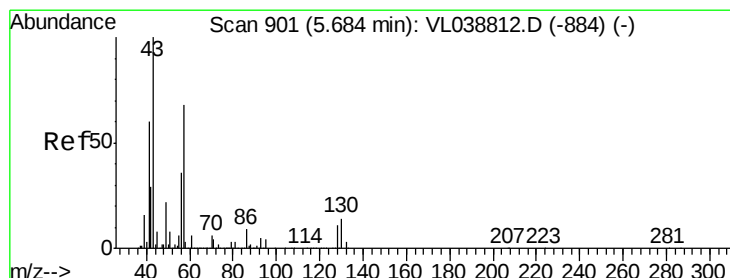
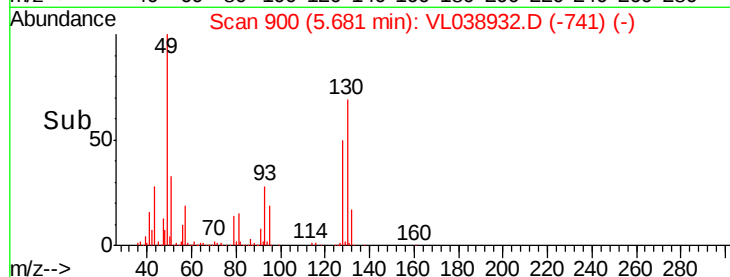
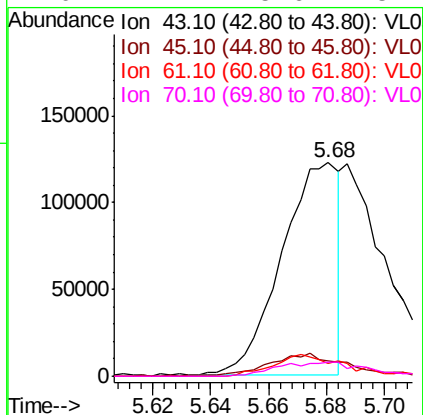
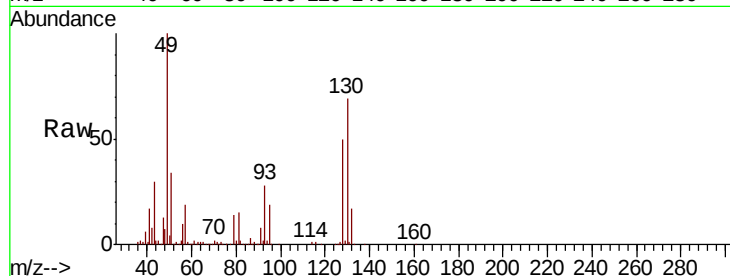
Tgt Ion: 43 Resp: 51805
Ion Ratio Lower Upper
43 100
86 4.8 5.8 8.6#
42 57.8 7.8 11.6#
44 2.3 3.6 5.4#





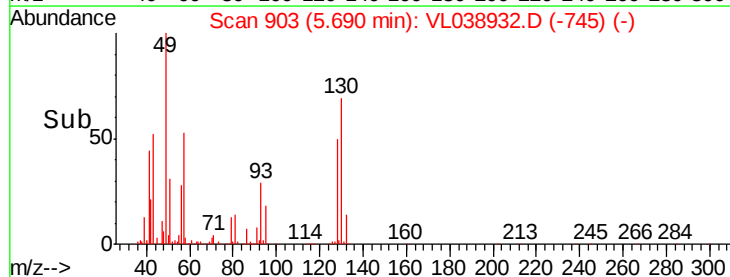
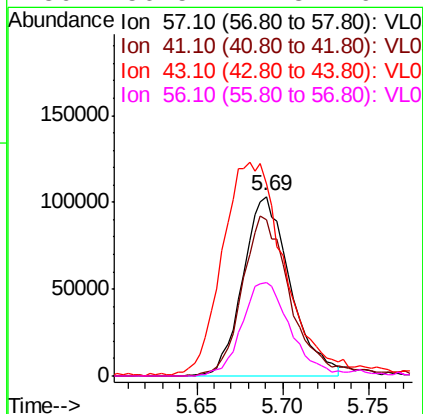
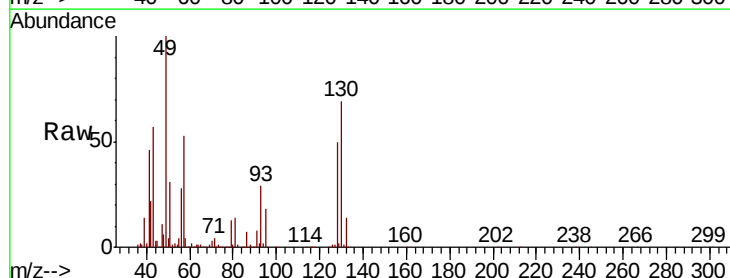
#25
Ethyl Acetate
Concen: 0.548 ppbv
RT: 5.68 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 15 Apr 2022 00:46

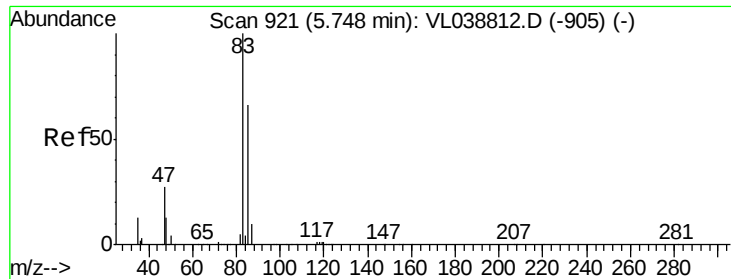
Tot Ion:	43	Resp:	168551
Ion	Ratio	Lower	Upper
43	100		
45	16.4	8.4	12.6#
61	14.0	7.9	11.9#
70	11.1	5.6	8.4#



#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

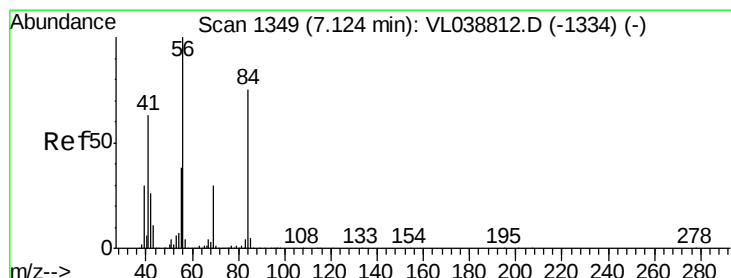
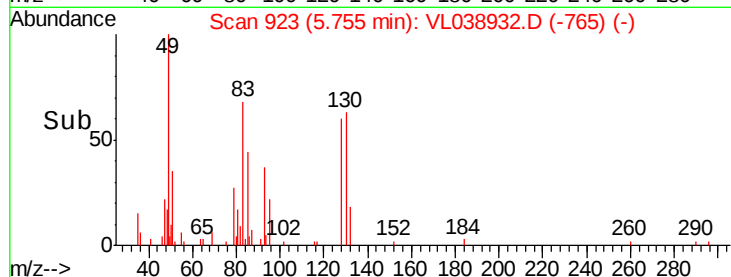
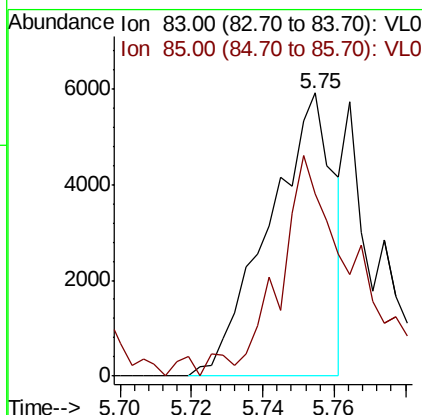
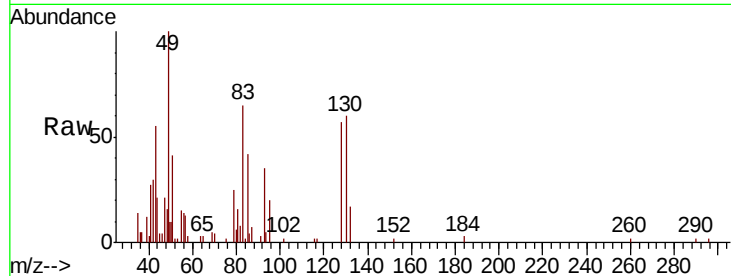
Tgt Ion:	57	Resp:	197306
Ion	Ratio	Lower	Upper
57	100		
41	94.2	72.0	108.0
43	158.6	186.6	280.0#
56	56.5	42.8	64.2





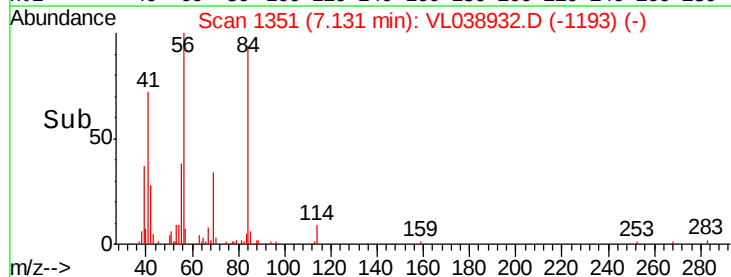
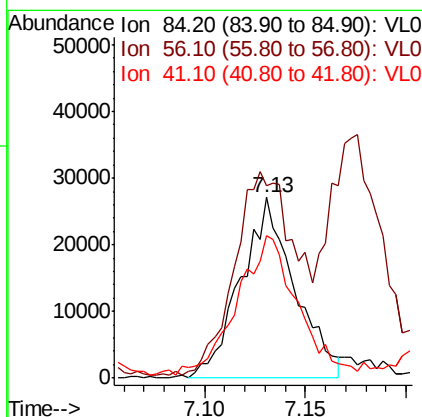
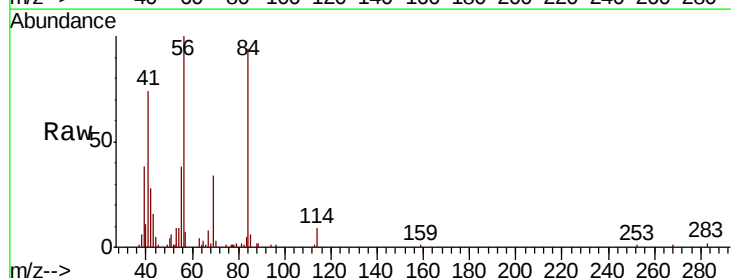
#29
Chloroform
Concen: 0.038 ppbv
RT: 5.75 Instrument: MSVOA_1
Delta R.T.: ClientSampleId:
Lab File:
Acq: 15 Apr 2022 00:48

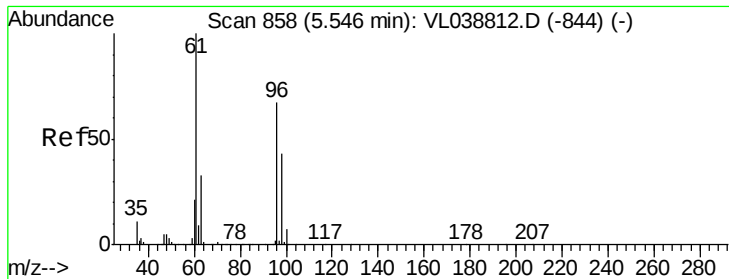
Tot Ion: 83 Resp: 7402
Ion Ratio Lower Upper
83 100
85 60.0 52.5 78.7



#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_L

Lab File: ClientSampleId:

Acq: 15 Apr 2022 00:46

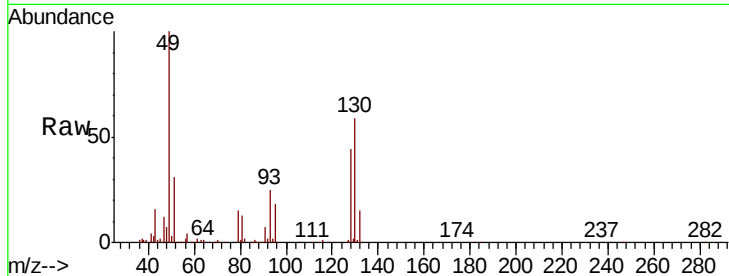
Tot Ion: 61 Resp: 15032

Ion Ratio Lower Upper

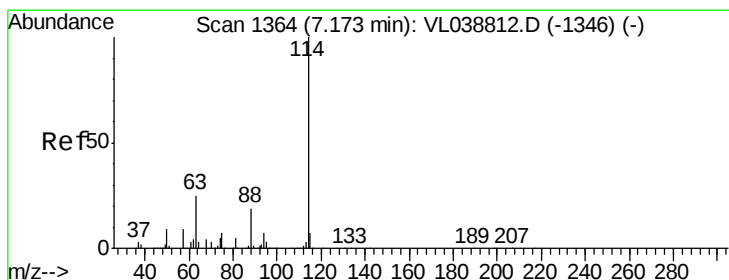
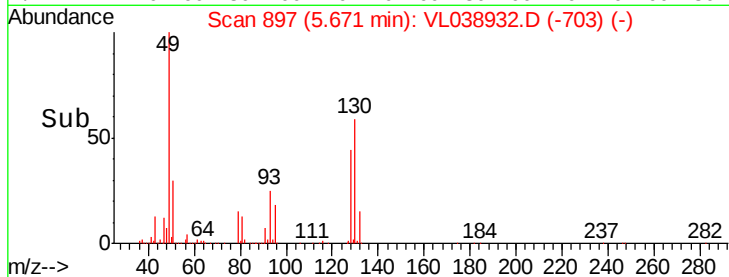
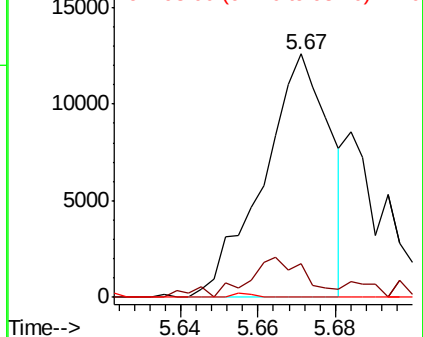
61 100

96 12.1 53.4 80.0#

98 0.0 34.2 51.4#



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: 7.17 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VL038932.D

Acq: 15 Apr 2022 00:46

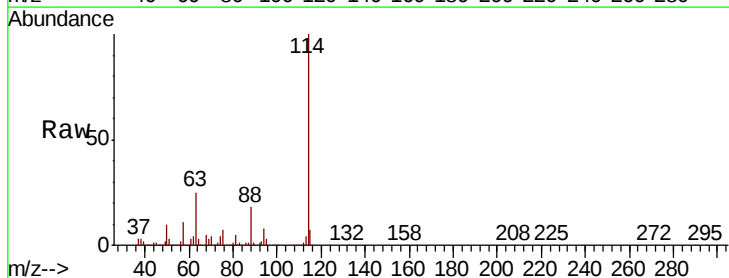
Tgt Ion: 114 Resp: 3048170

Ion Ratio Lower Upper

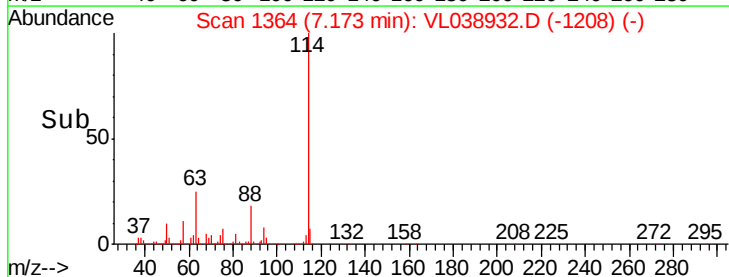
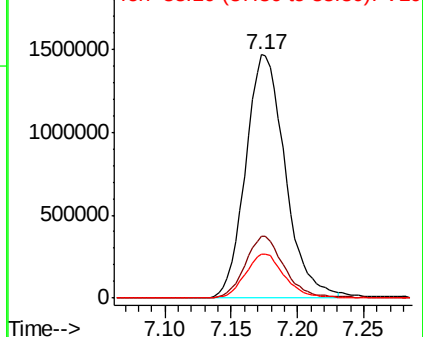
114 100

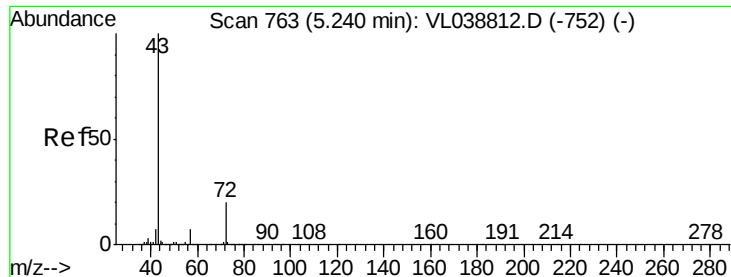
63 25.4 19.8 29.8

88 18.1 14.2 21.4



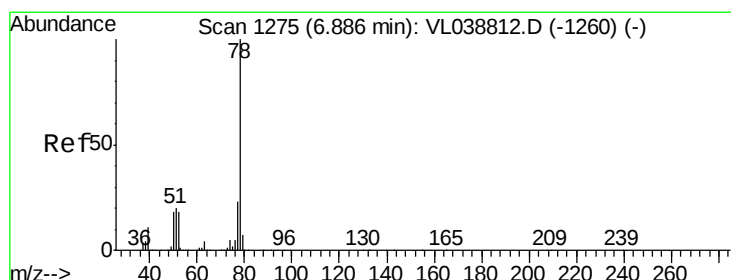
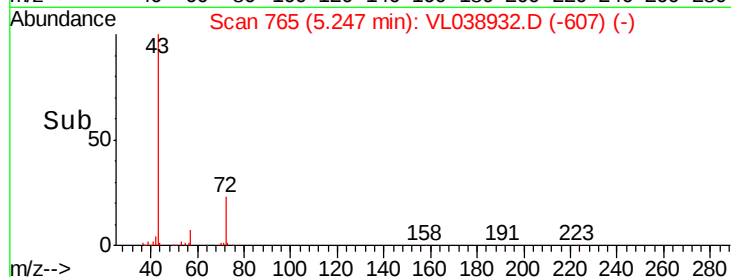
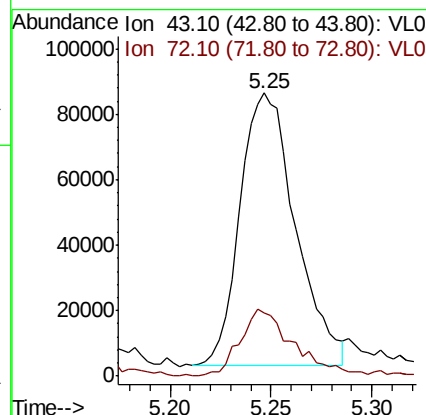
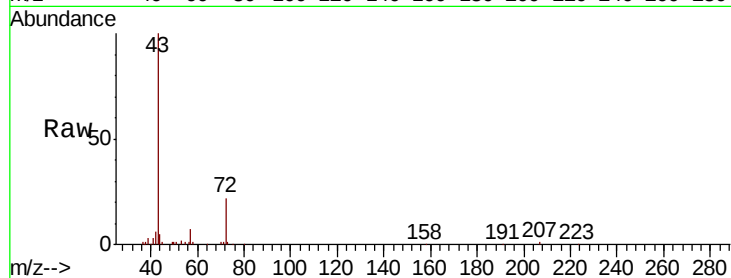
Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





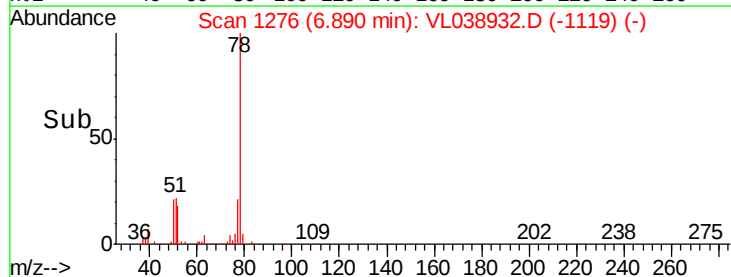
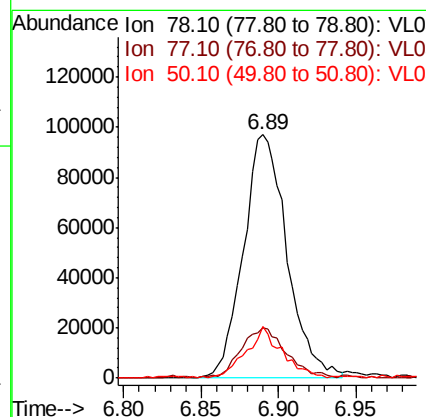
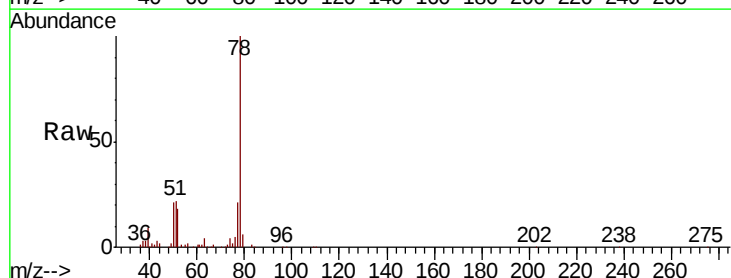
#34
 2-Butanone
 Concen: 1.327 ppbv
 RT: 5.25
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 15 Apr 2022 00:40

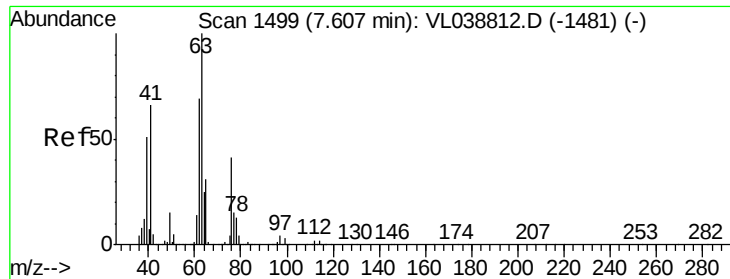
Tot Ion: 43 Resp: 159805
 Ion Ratio Lower Upper
 43 100
 72 24.9 16.9 25.3



#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

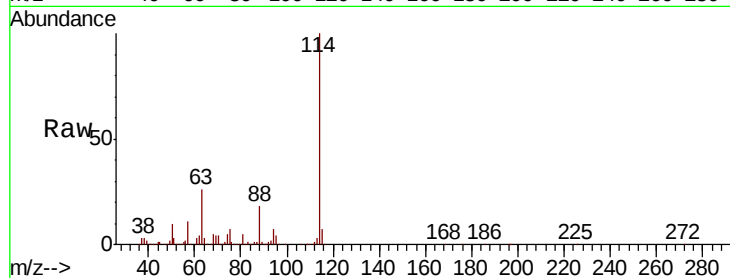
Tot Ion: 63 Resp: 761198

Ion Ratio Lower Upper

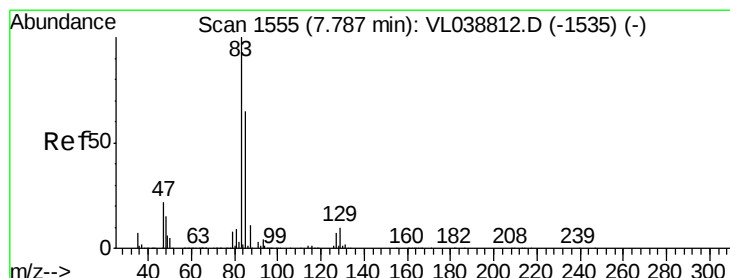
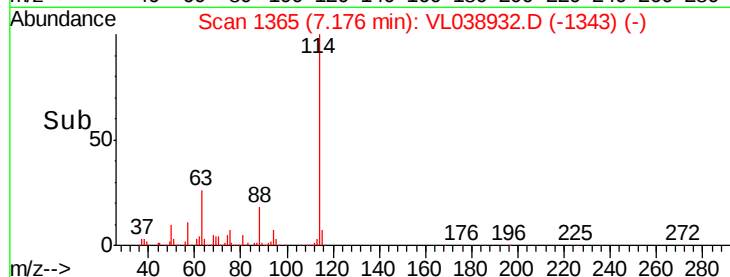
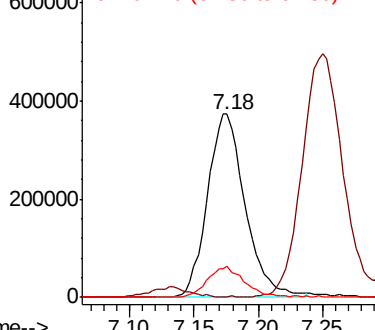
63 100

41 0.0 53.0 79.6#

62 17.3 55.0 82.4#



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



#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

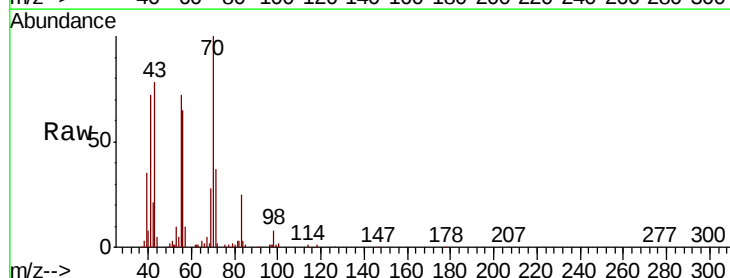
Tgt Ion: 83 Resp: 18988

Ion Ratio Lower Upper

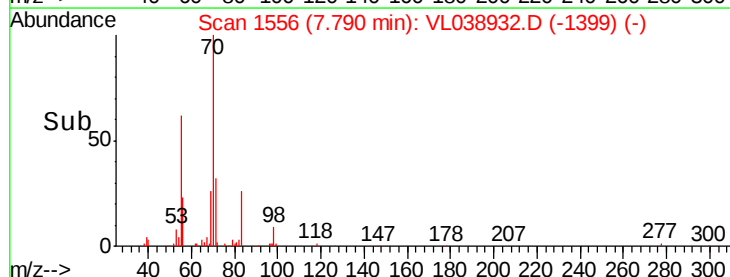
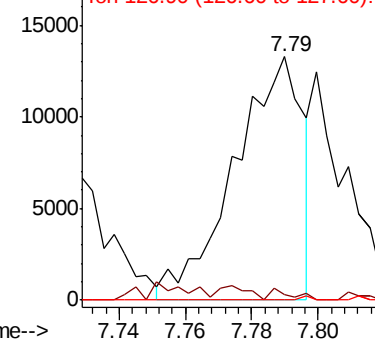
83 100

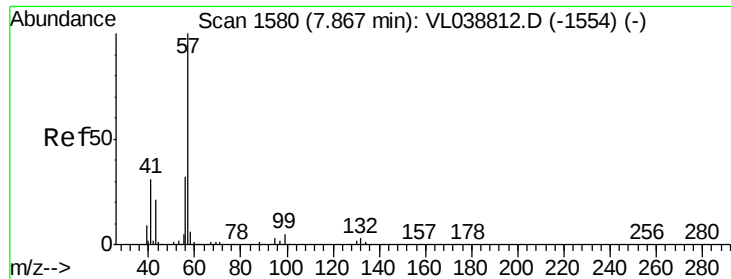
85 0.0 51.7 77.5#

127 0.0 5.9 8.9#



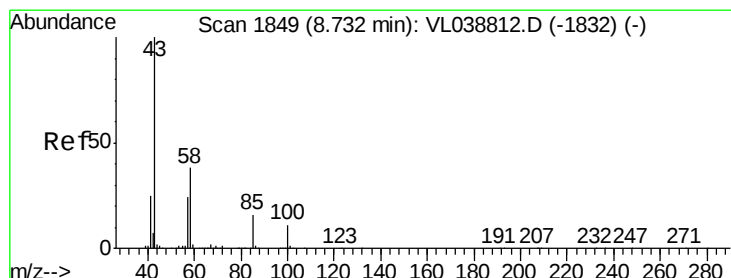
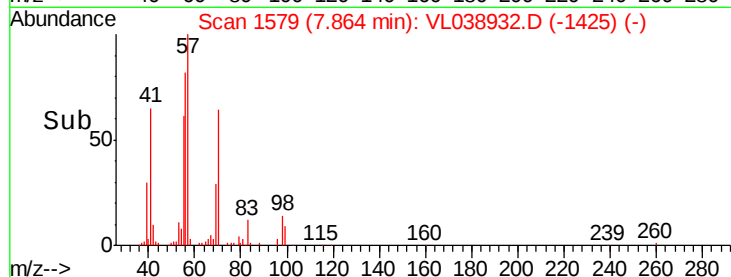
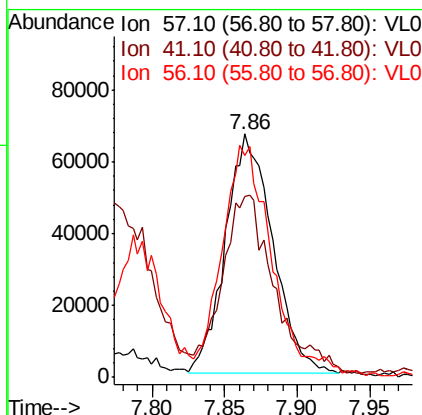
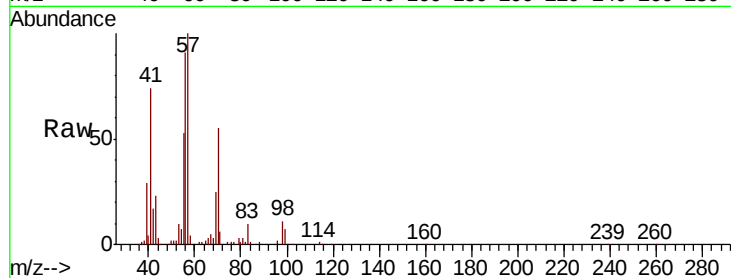
Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V





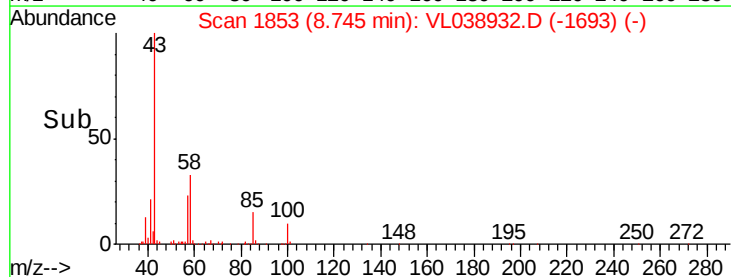
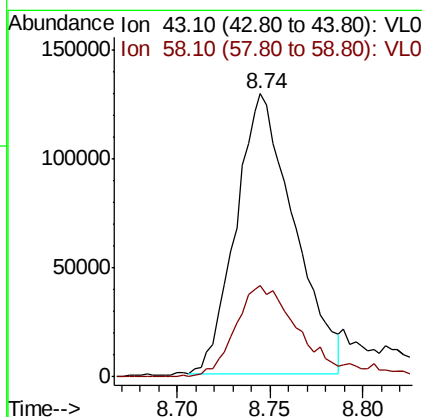
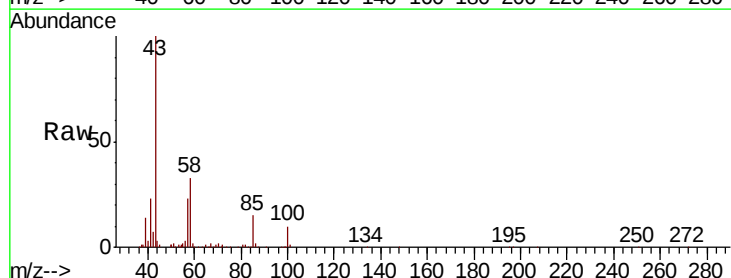
#44
 2,2,4-Trimethylpentane
 Concen: 0.323 ppbv
 RT: 7.86 Instrument :
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 15 Apr 2022 00:46

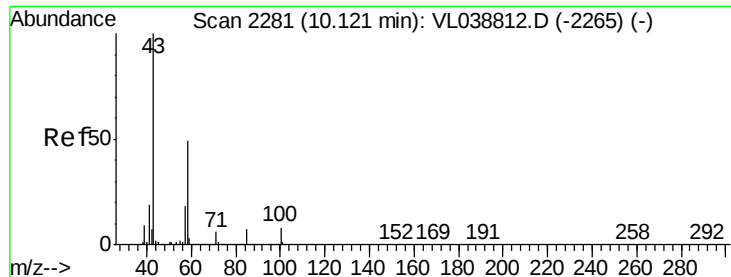
Tot Ion	57	Resp	151662
Ion	Ratio	Lower	Upper
57	100		
41	81.3	25.0	37.4#
56	101.0	25.3	37.9#



#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

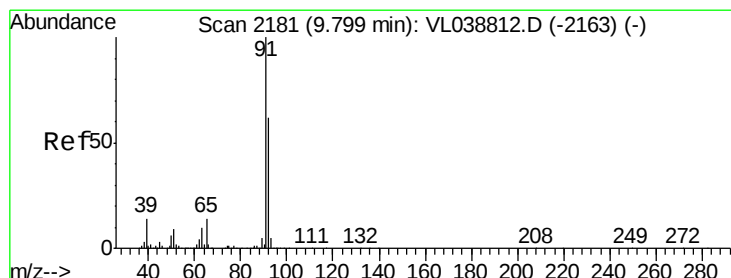
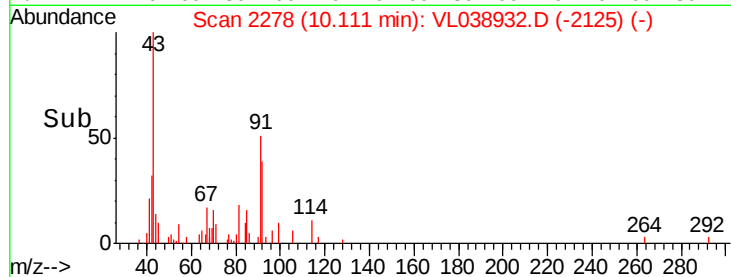
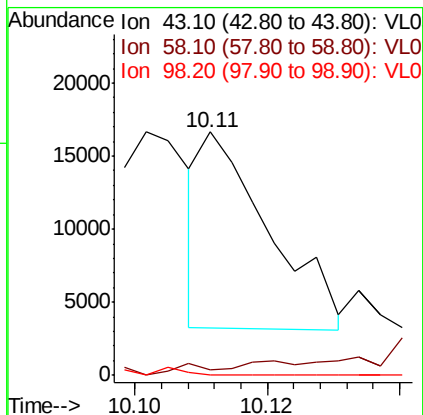
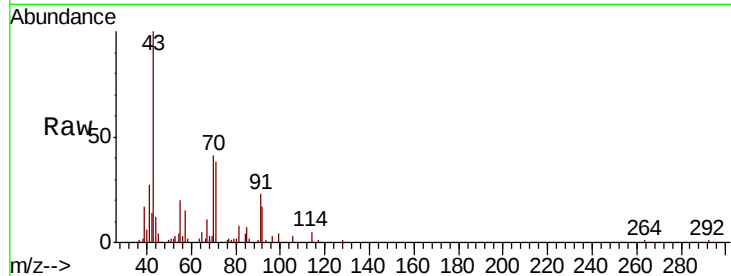
Tgt Ion	43	Resp	281556
Ion	Ratio	Lower	Upper
43	100		
58	38.6	29.0	43.6





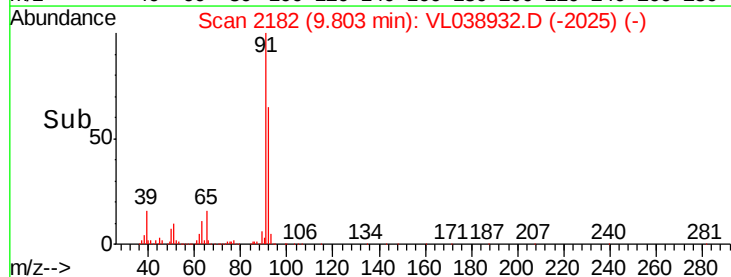
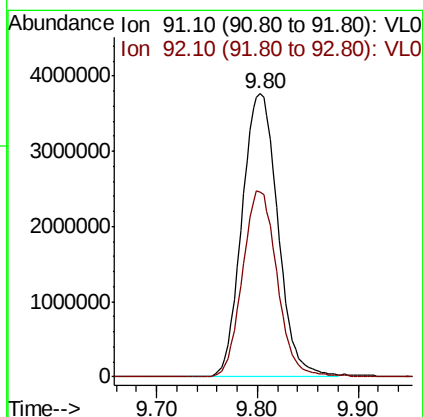
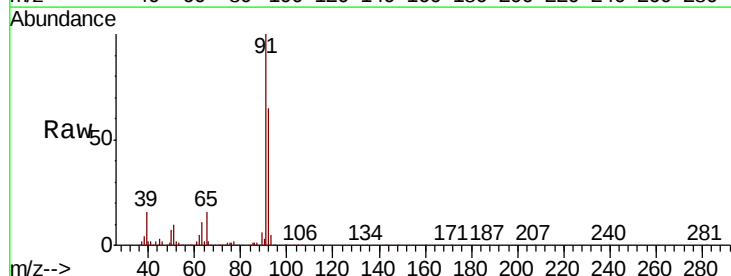
#51
2-Hexanone
Concen: 0.047 ppbv
RT: 10.11 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 15 Apr 2022 00:48

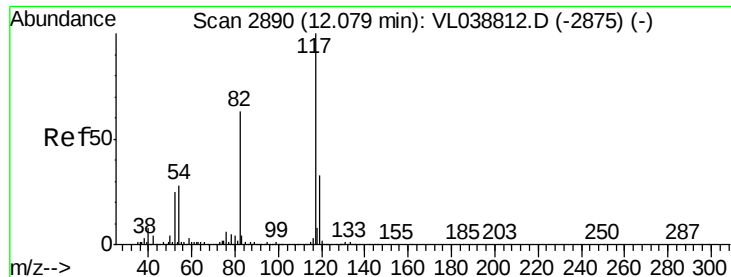
Tot Ion: 43 Resp: 9504
Ion Ratio Lower Upper
43 100
58 0.0 41.4 62.0#
98 0.0 0.1 0.1#



#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

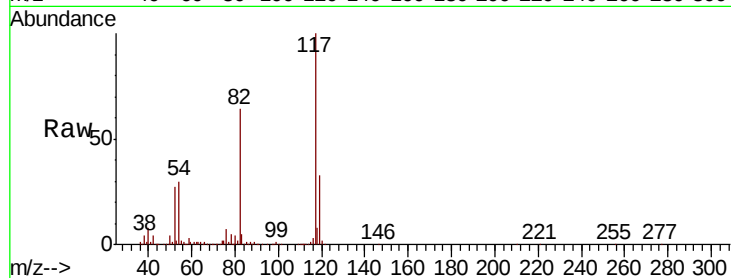
Tot Ion:117 Resp: 2809365

Ion Ratio Lower Upper

117 100

82 64.9 53.0 79.6

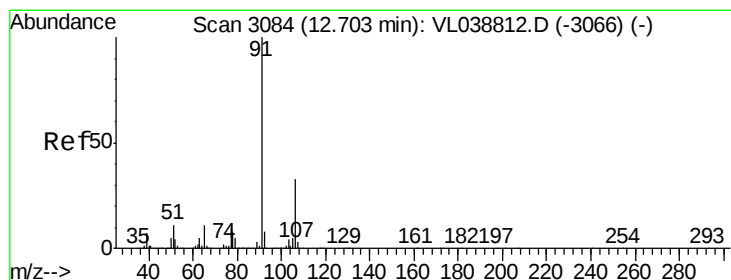
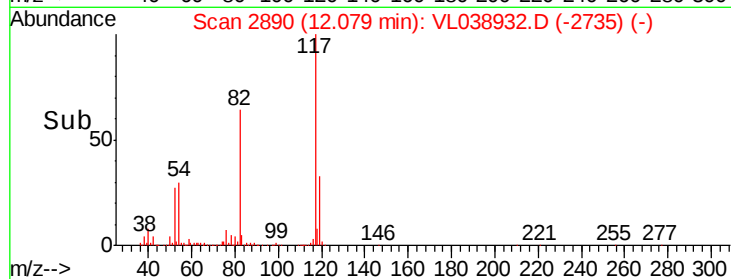
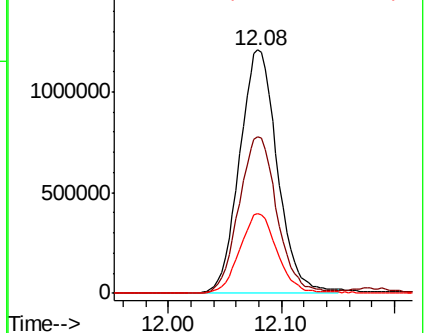
119 32.7 24.9 37.3



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

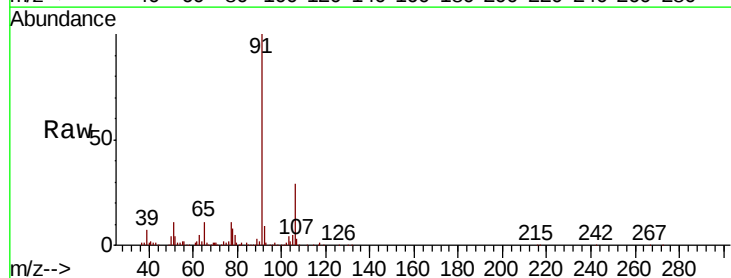
Acq: 15 Apr 2022 00:46

Tgt Ion: 91 Resp: 411864

Ion Ratio Lower Upper

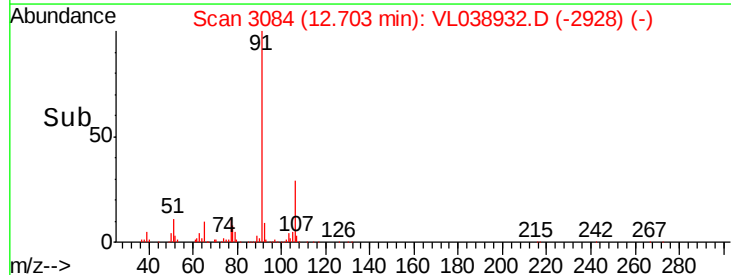
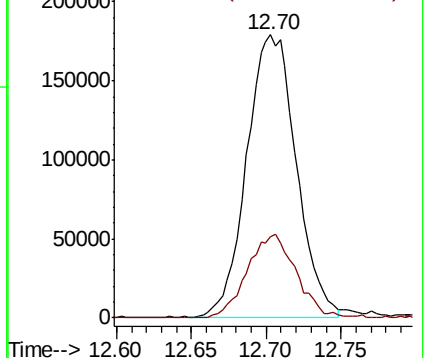
91 100

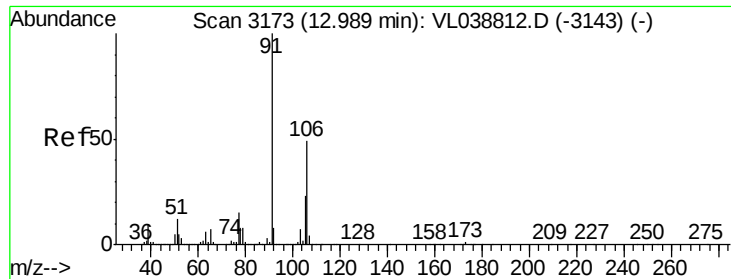
106 28.8 26.7 40.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

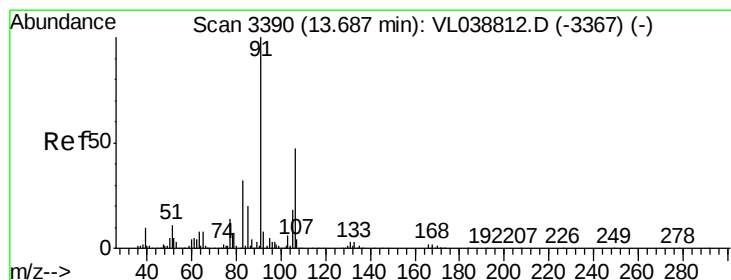
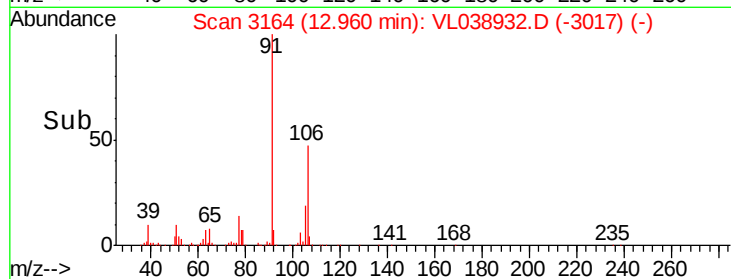
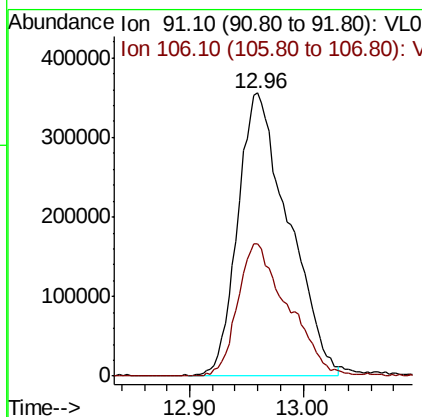
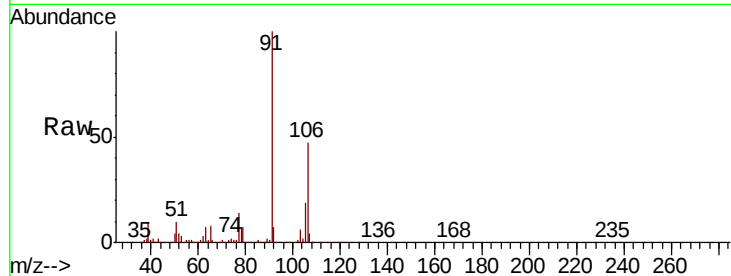
Ion 106.10 (105.80 to 106.80): V





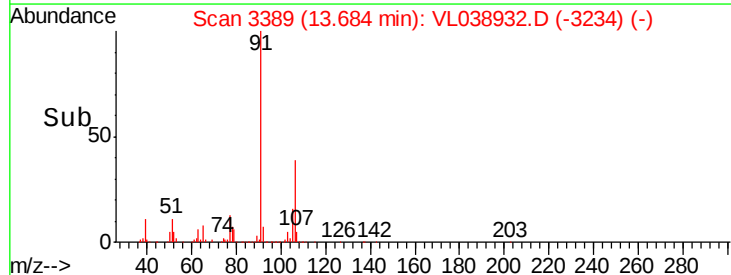
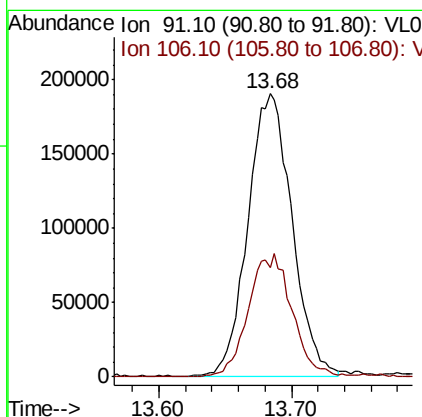
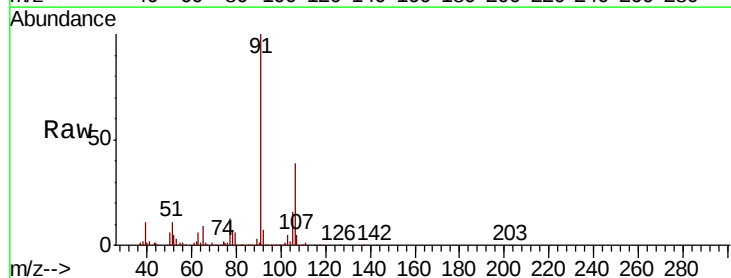
#59
m/p-Xylene
Concen: 3.145 ppbv
RT: 12.96
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 15 Apr 2022 00:48

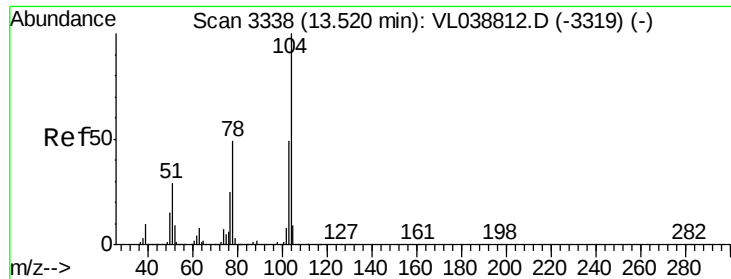
Tot Ion: 91 Resp: 1109353
Ion Ratio Lower Upper
91 100
106 46.5 37.1 55.7



#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

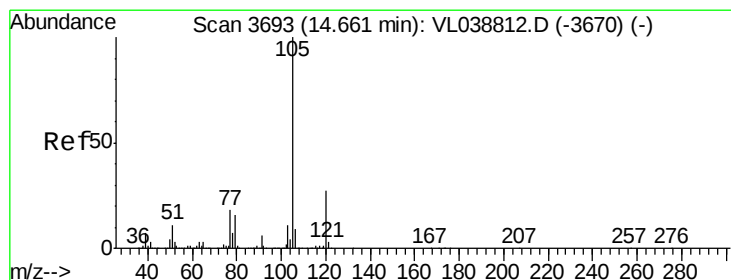
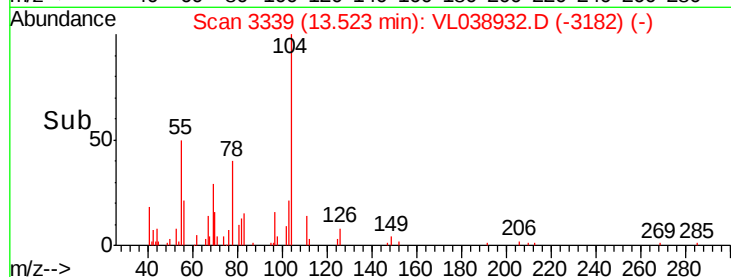
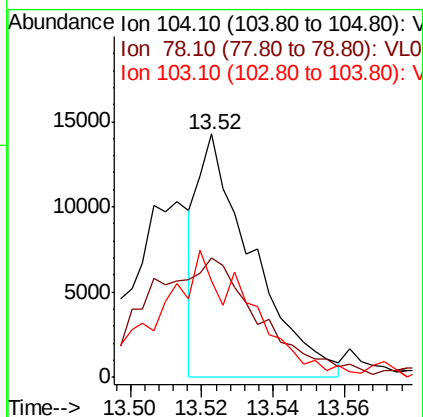
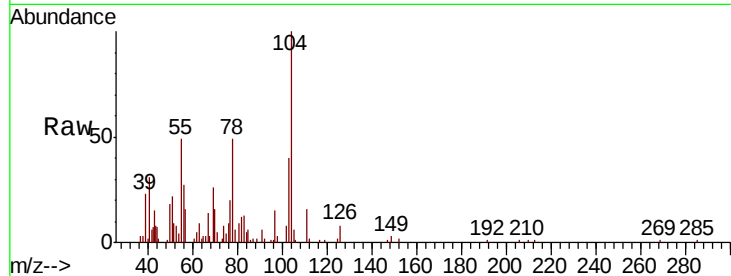
Tgt Ion: 91 Resp: 438121
Ion Ratio Lower Upper
91 100
106 43.7 23.8 71.4





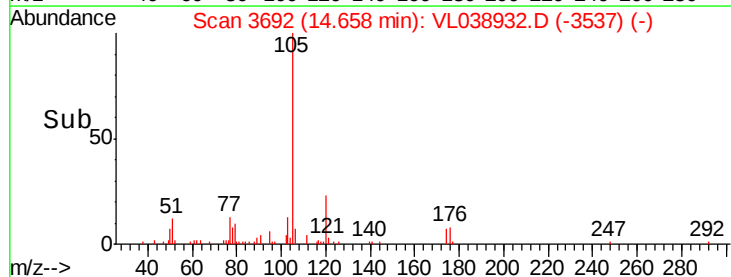
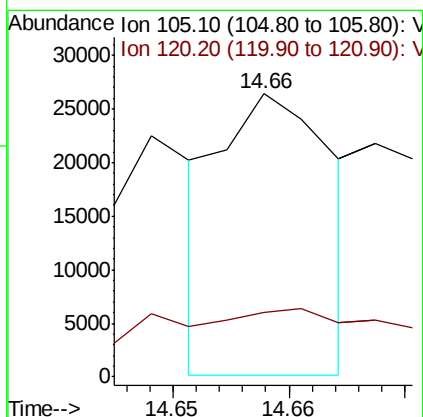
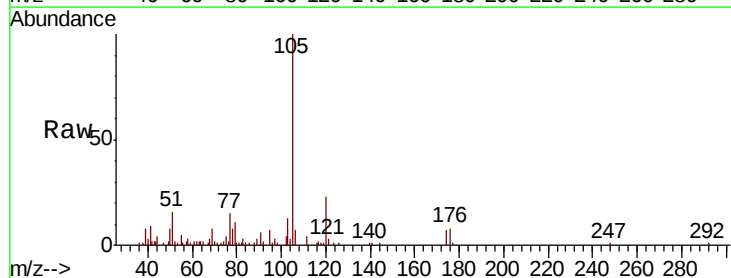
#61
Stvrene
Concen: 0.075 ppbv
RT: 13.52
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 15 Apr 2022 00:40

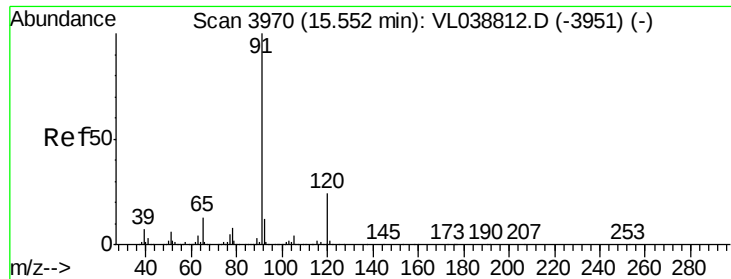
Tot Ion	Ratio	Lower	Upper
104	100		
78	107.7	40.5	60.7#
103	94.7	39.0	58.4#



#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:

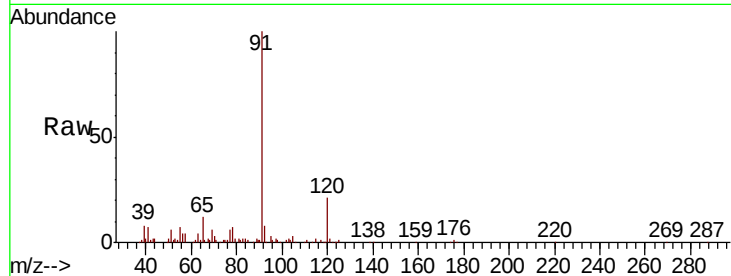
Acq: 15 Apr 2022 00:48

Tot Ion:120 Resp: 46162

Ion Ratio Lower Upper

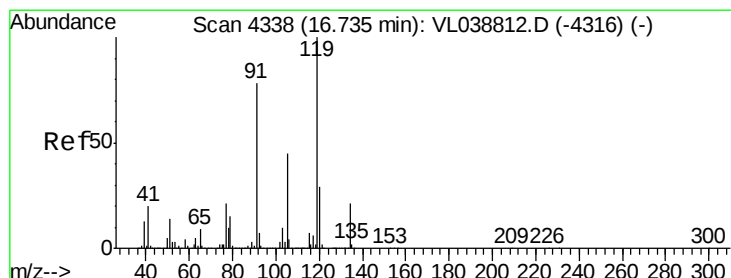
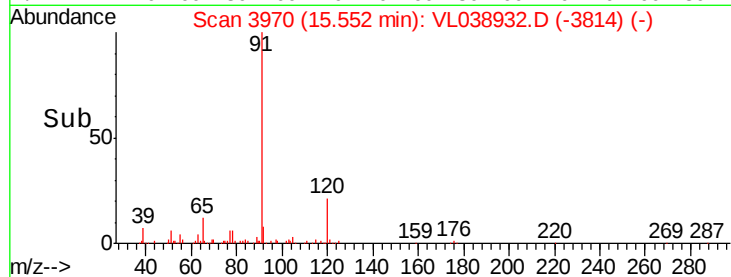
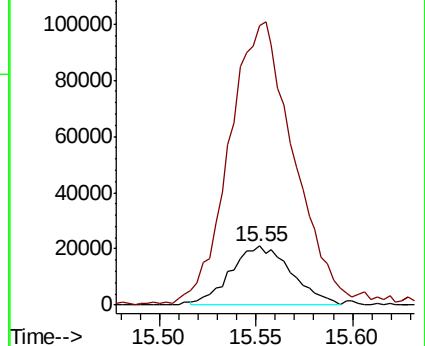
120 100

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

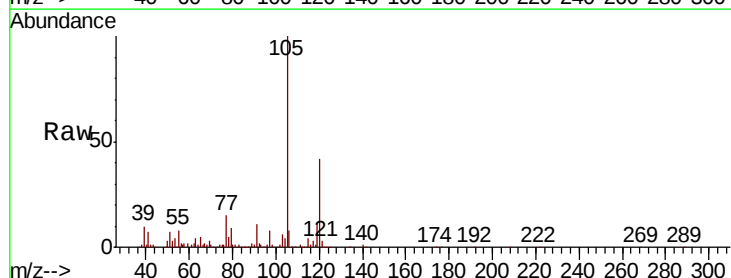
Tgt Ion:119 Resp: 39969

Ion Ratio Lower Upper

119 100

91 237.0 62.8 94.2#

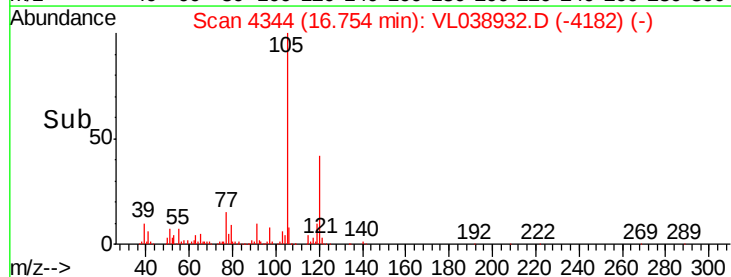
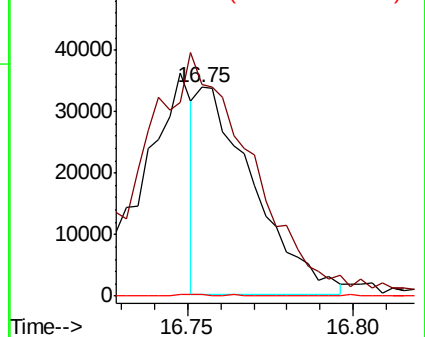
134 0.8 16.2 24.4#

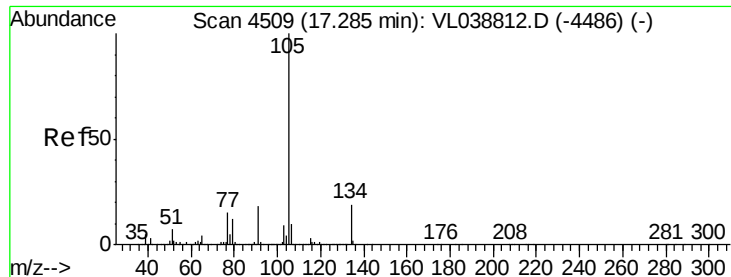


Abundance Ion 119.20 (118.90 to 119.90): V

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 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

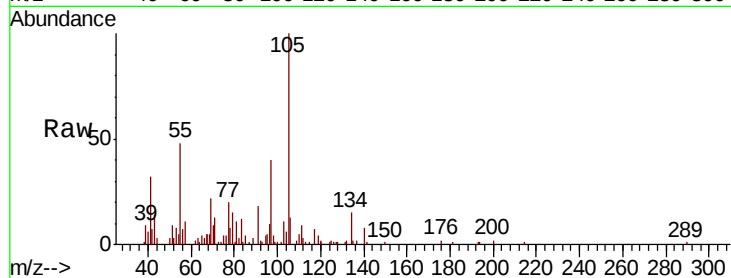
Acq: 15 Apr 2022 00:48

Tot Ion: 105 Resp: 39147

Ion Ratio Lower Upper

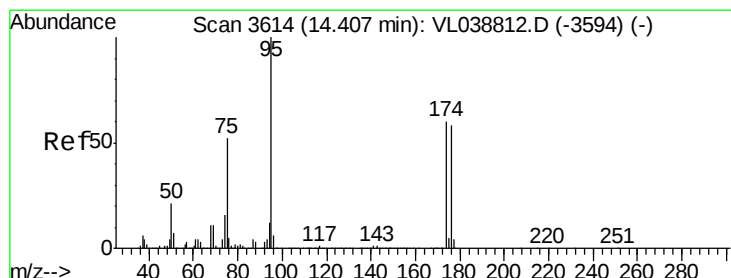
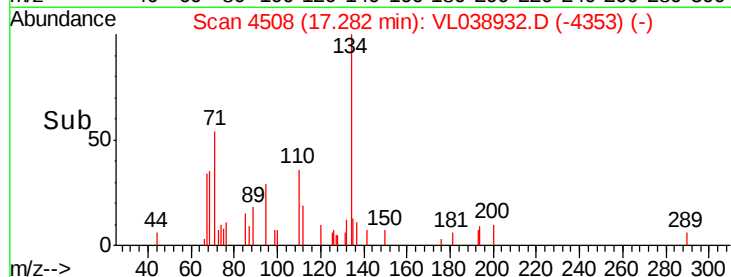
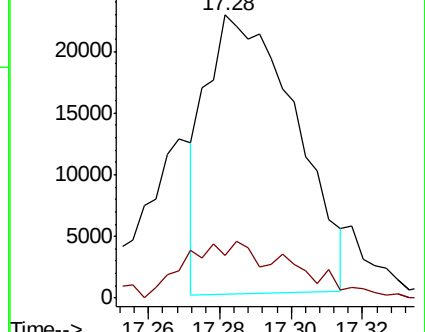
105 100

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

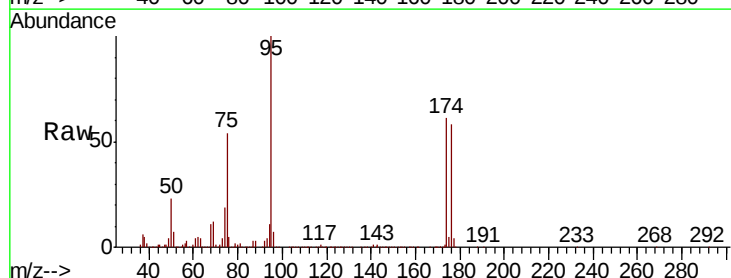
Tgt Ion: 95 Resp: 2250905

Ion Ratio Lower Upper

95 100

174 61.8 52.0 78.0

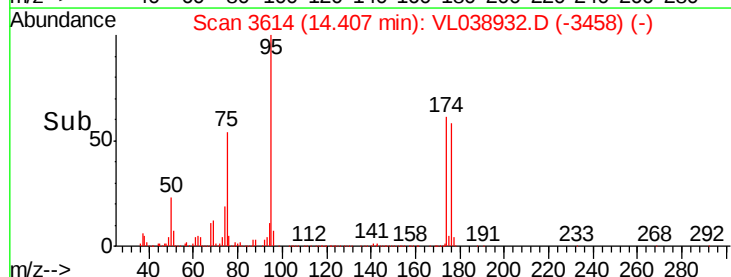
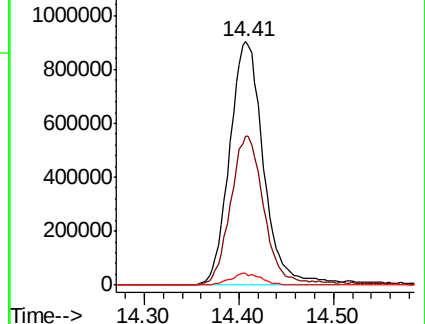
175 4.7 4.0 6.0

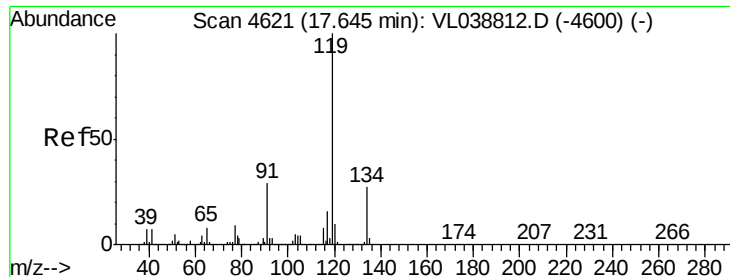


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

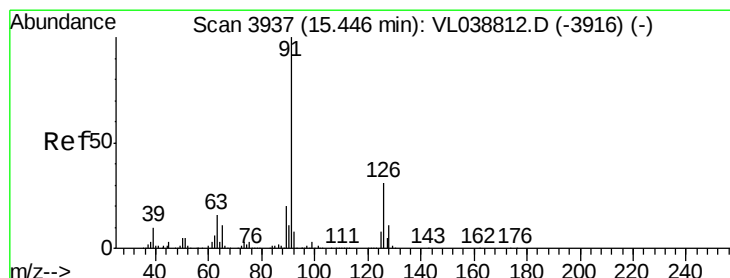
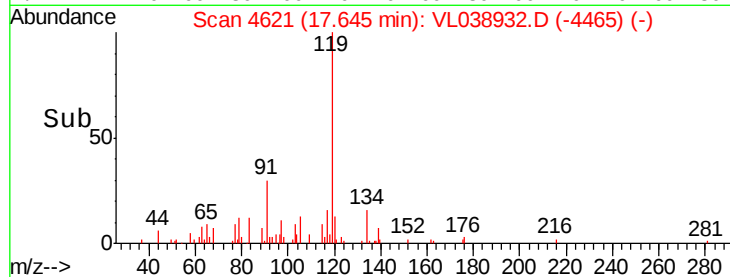
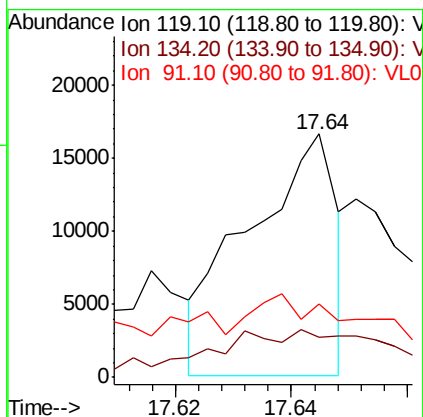
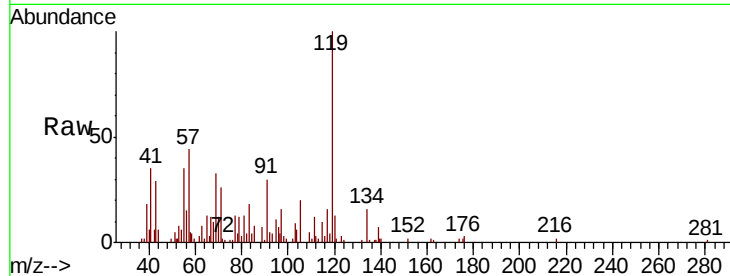
Ion 175.00 (174.70 to 175.70): V





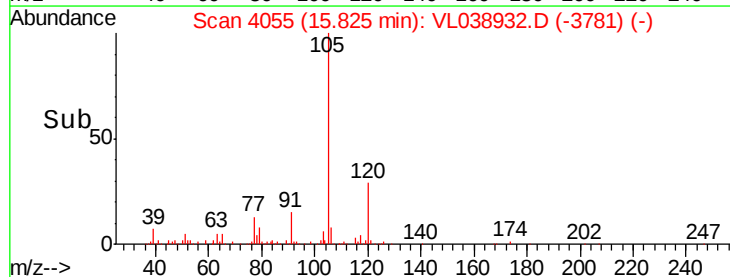
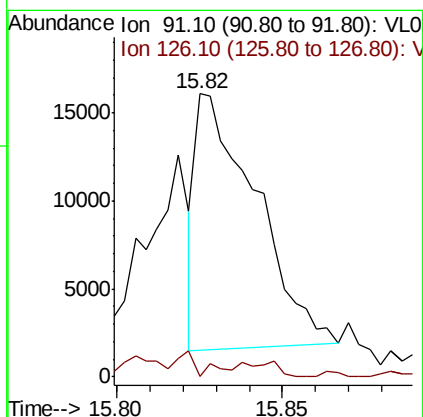
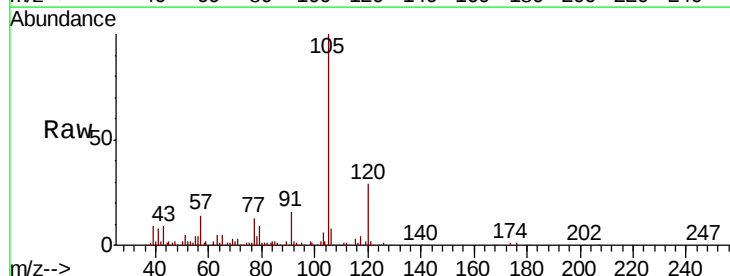
#69
 p-Isopropyltoluene
 Concen: 0.035 ppbv
 RT: 17.64 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 15 Apr 2022 00:40

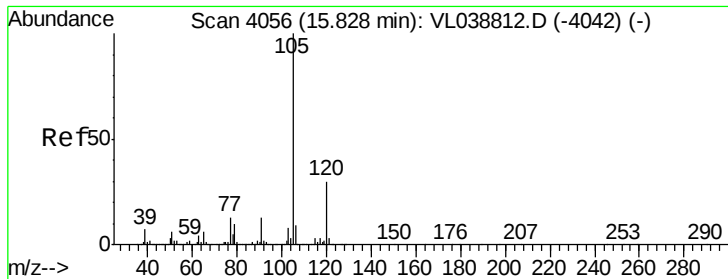
Tot Ion	119	Resp	17522
Ion Ratio	100	Lower	Upper
134	47.2	20.8	31.2#
91	75.6	22.6	34.0#



#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	100	Lower	Upper
126	14.2	13.0	51.8





#72

4-Ethyltoluene

Concen: 0.614 ppbv

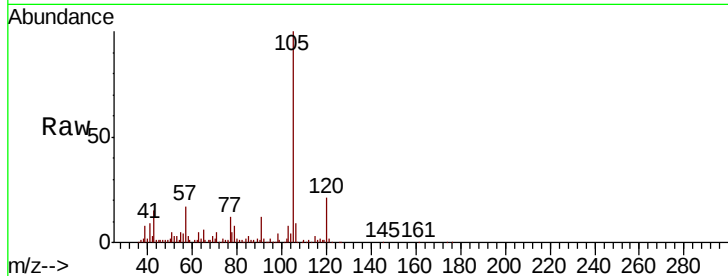
RT: 15.83

Delta R.T. MSVOA_L

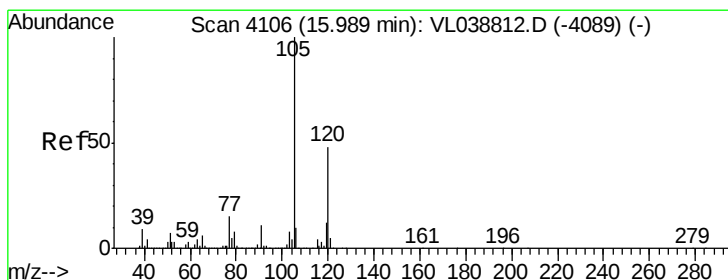
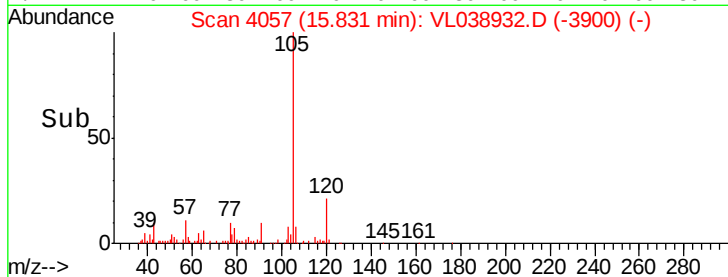
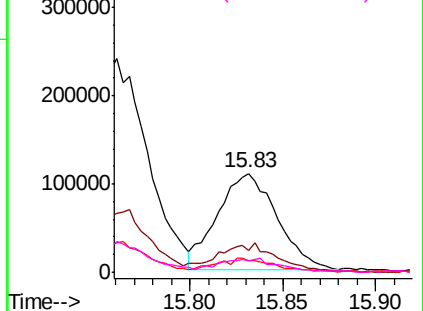
Lab File: ClientSampleId :

Acq: 15 Apr 2022 00:46

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
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



#73

1,3,5-Trimethylbenzene

Concen: 0.329 ppbv

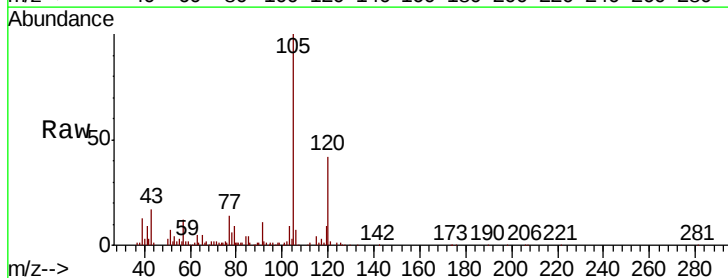
RT: 15.99 min Scan# 4106

Delta R.T. -0.00 min

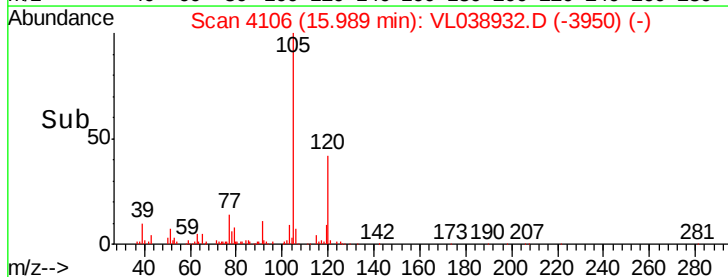
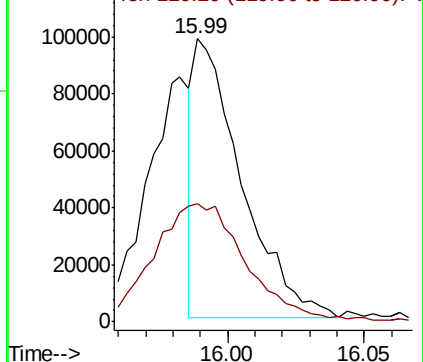
Lab File: VL038932.D

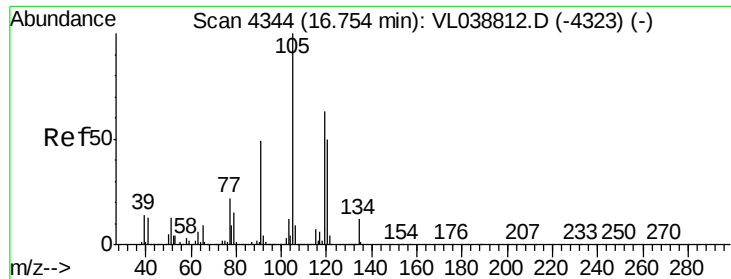
Acq: 15 Apr 2022 00:46

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



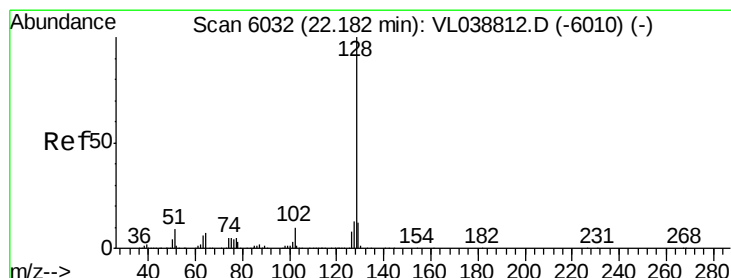
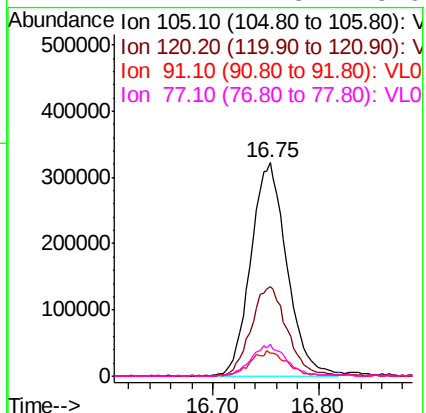
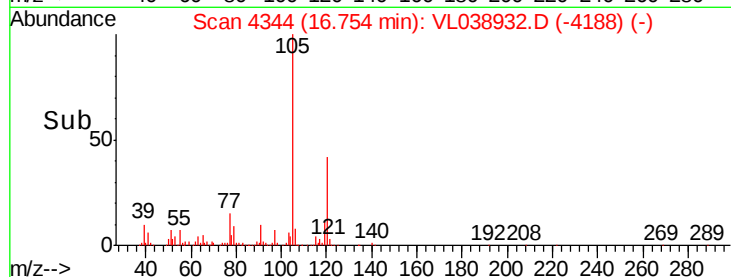
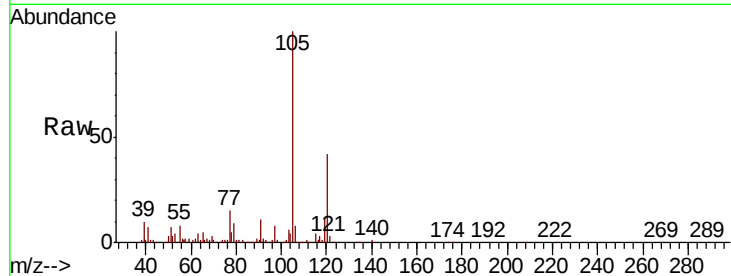
Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V





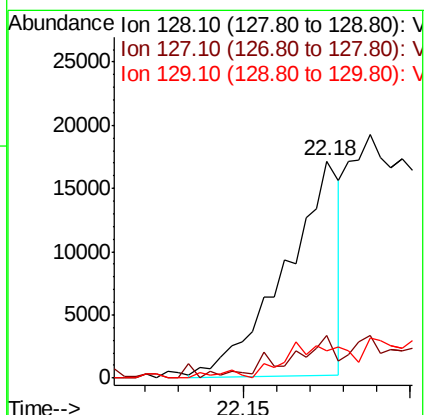
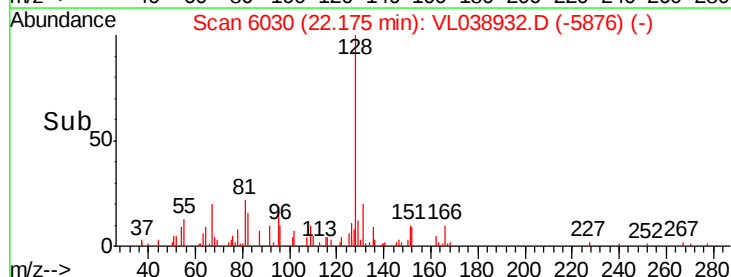
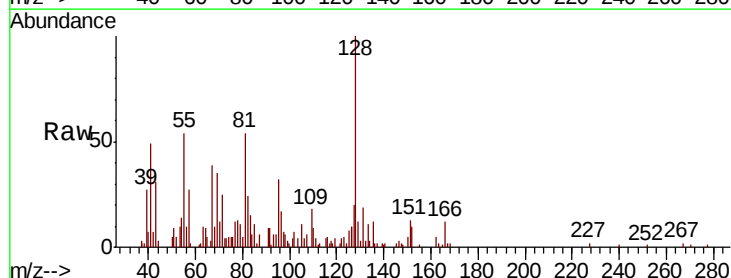
#74
 1,2,4-Trimethylbenzene
 Concen: 2.054 ppbv
 RT: 16.75 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 15 Apr 2022 00:46

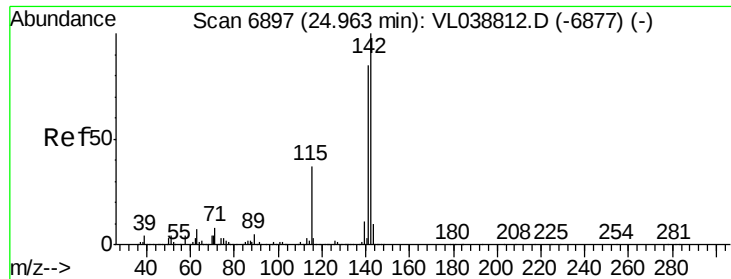
Tot Ion:	105	Resp:	768612
Ion	Ratio	Lower	Upper
105	100		
120	42.2	39.8	59.8
91	10.5	39.4	59.0#
77	14.7	17.3	25.9#



#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

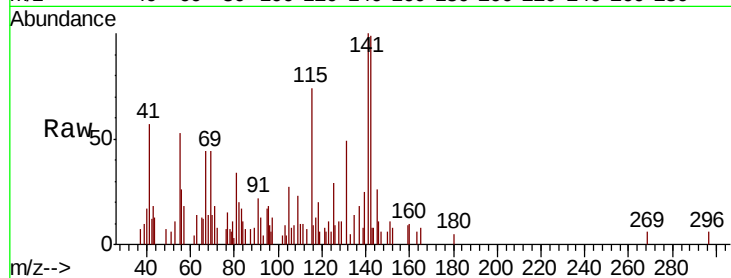
Tot Ion: 142 Resp: 11055

Ion Ratio Lower Upper

142 100

141 131.7 68.8 103.2#

115 157.4 31.6 47.4#



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

