

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032222\
 Data File : VL038700.D
 Acq On : 23 Mar 2022 1:42
 Operator : SY/AP
 Sample : N2046-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P89

Quant Time: Mar 23 04:17:30 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 21 17:09:26 2022
 QLast Update : Mon Mar 21 17:09:26 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	796157	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	2193823	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.06	117	2058724	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1501855	9.52	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.04	85	20118	0.19	ppbv	93
3) Chlorodifluoromethane	2.98	51	35758	0.43	ppbv #	88
4) Chloromethane	3.13	50	11243	0.24	ppbv	98
7) Chloroethane	3.55	64	432	0.03	ppbv	97
9) Propene	3.01	41	93662	2.31	ppbv	89
10) Heptane	8.10	43	6999	0.07	ppbv #	76
11) Trichlorofluoromethane	3.94	101	17588	0.19	ppbv	89
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1947	0.03	ppbv #	1
13) Ethanol	3.58	45	244293	54.55	ppbv	100
15) Acetone	3.83	43	1452257	21.14	ppbv	94
16) 1,3-Butadiene	3.30	39	137026	3.51	ppbv #	14
17) tert-Butyl alcohol	4.28	59	55309	0.92	ppbv #	73
19) Isopropyl Alcohol	3.95	45	128934	3.39	ppbv #	1
20) Methylene Chloride	4.33	84	45246	1.56	ppbv	93
21) Allyl Chloride	4.28	41	9667	0.20	ppbv #	23
23) Vinyl Acetate	5.04	43	18738	0.28	ppbv #	1
25) Ethyl Acetate	5.66	43	78967	0.46	ppbv #	93
26) Hexane	5.67	57	68151	0.88	ppbv #	58
27) Carbon Disulfide	4.54	76	14110	0.19	ppbv #	65
29) Chloroform	5.73	83	104699	0.84	ppbv	98
30) Cyclohexane	7.11	84	8385	0.12	ppbv #	7
32) 1,1,1-Trichloroethane	6.49	97	9900	0.08	ppbv #	32
34) 2-Butanone	5.22	43	1750649	20.16	ppbv	98
36) Benzene	6.87	78	32833	0.19	ppbv #	90
38) Trichloroethene	7.82	130	9287	0.13	ppbv	92
39) 1,2-Dichloropropane	7.15	63	495126	7.48	ppbv #	28
41) Tetrahydrofuran	6.04	42	36255	0.56	ppbv	92
44) 2,2,4-Trimethylpentane	7.84	57	12137	0.04	ppbv #	1
50) 4-Methyl-2-Pentanone	8.73	43	3609	0.02	ppbv #	38
51) 2-Hexanone	10.11	43	135911	1.17	ppbv #	99
52) Tetrachloroethene	11.20	164	4263985	68.82	ppbv	94
53) Toluene	9.78	91	663122	3.64	ppbv	100
58) Ethyl Benzene	12.69	91	18785	0.08	ppbv	98
59) m/p-Xylene	12.97	91	24219	0.12	ppbv #	30
60) o-Xylene	13.66	91	32792	0.16	ppbv	98
61) Styrene	13.50	104	7565	0.07	ppbv #	55
65) tert-Butylbenzene	16.95	119	88336	0.33	ppbv #	27
69) p-Isopropyltoluene	17.63	119	20535	0.07	ppbv #	25
74) 1,2,4-Trimethylbenzene	16.73	105	16385	0.07	ppbv #	71
75) 1,3-Dichlorobenzene	16.96	146	18801	0.13	ppbv #	1
79) Naphthalene	22.16	128	5224	0.03	ppbv #	76

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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Mon Mar 21 17:09:26 2022
QLast Update : Mon Mar 21 17:09:26 2022
Response via : Initial Calibration

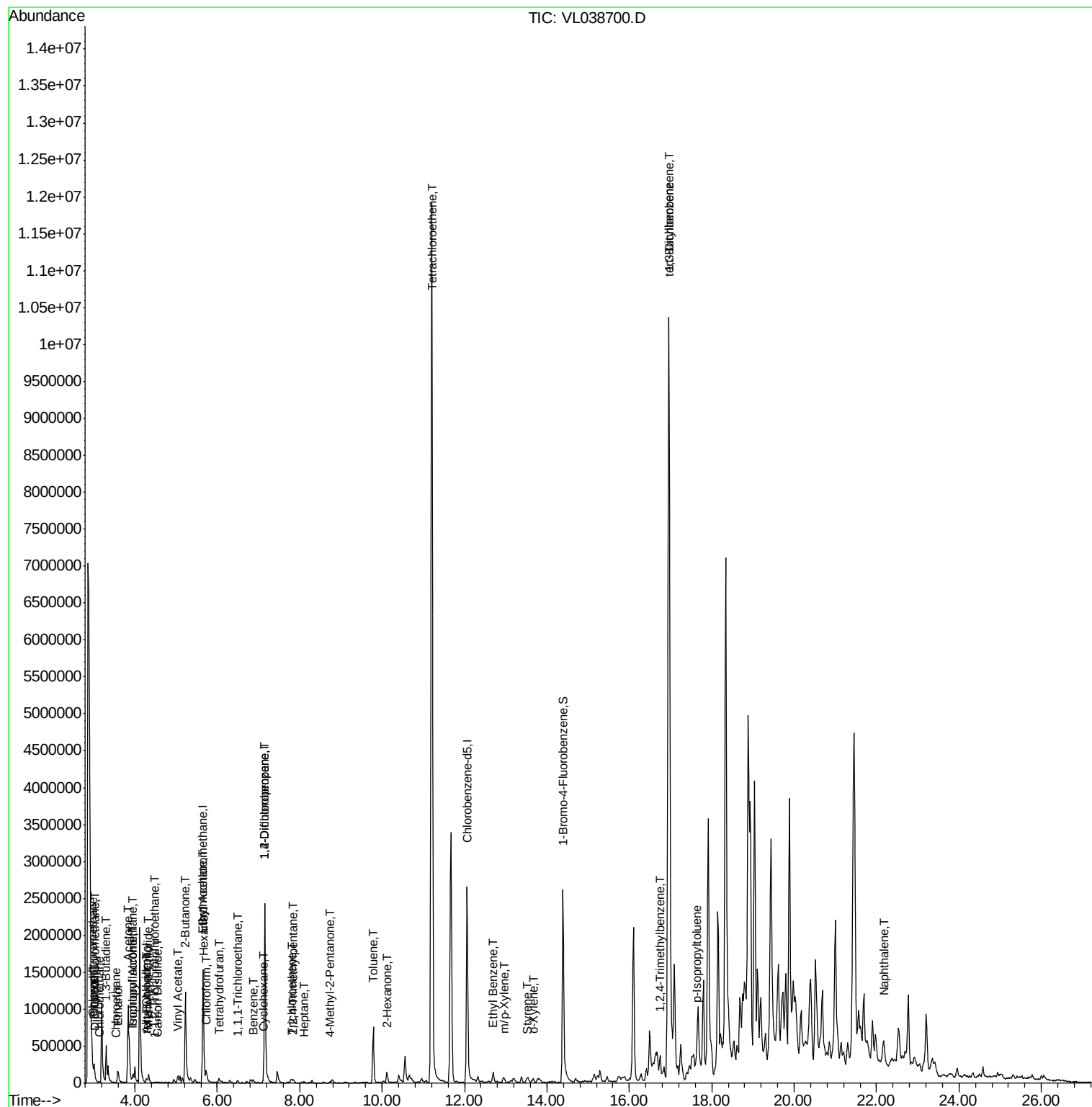
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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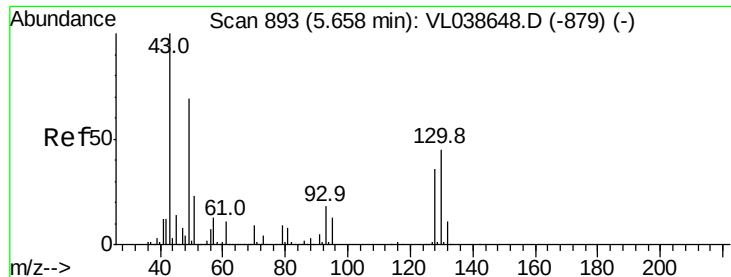
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T.:

Lab File: ClientSampleId:

Acq: 23 Mar 2022 1:42

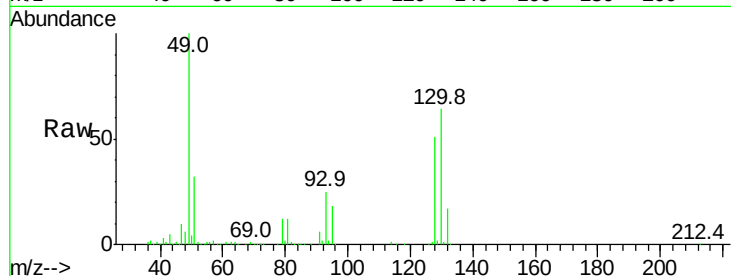
Tgt Ion: 49 Resp: 796157

Ion Ratio Lower Upper

49 100

128 55.4 26.2 78.6

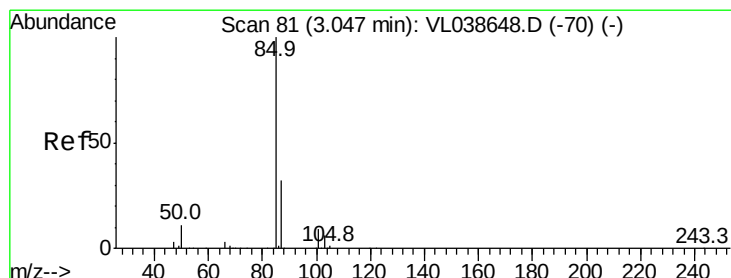
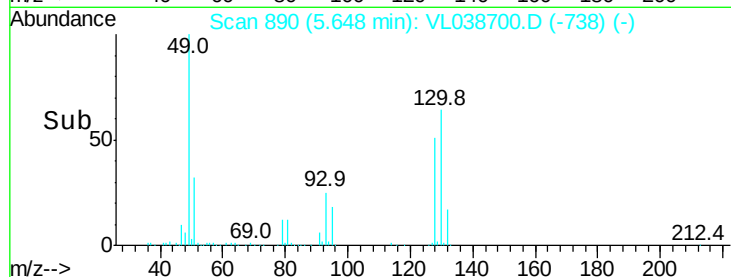
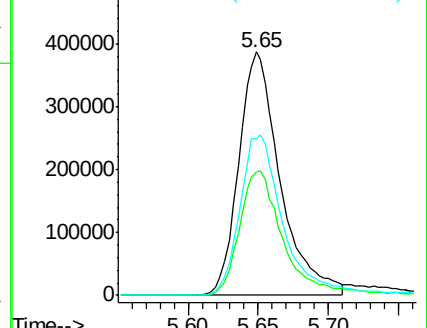
130 71.3 33.7 101.1



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



#2

Dichlorodifluoromethane

Concen: 0.19 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.01 min

Lab File: VL038700.D

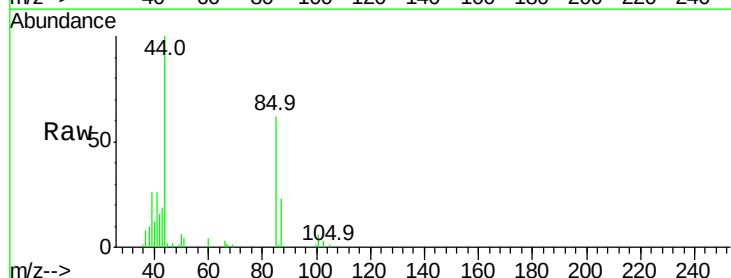
Acq: 23 Mar 2022 1:42

Tgt Ion: 85 Resp: 20118

Ion Ratio Lower Upper

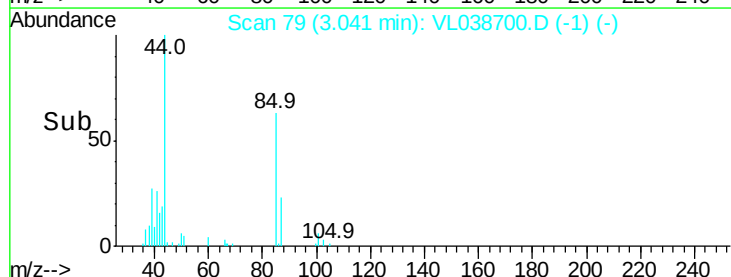
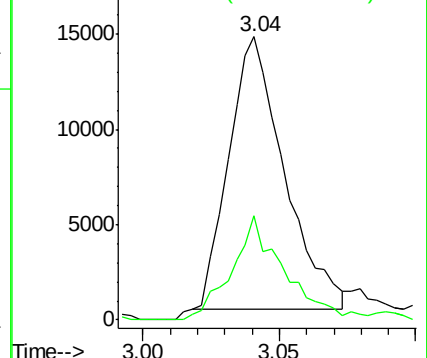
85 100

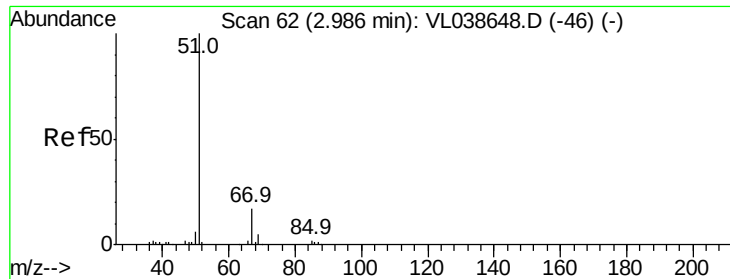
87 36.6 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.43 ppbv

RT: 2.98 Instrument:

Delta R.T. MSVOA.L

Lab File: ClientSampleId:

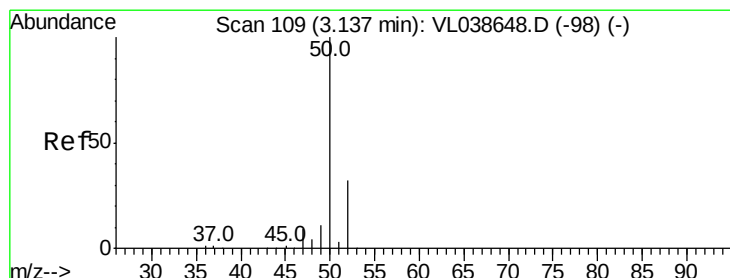
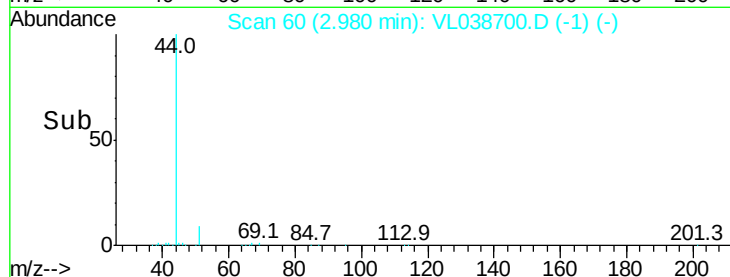
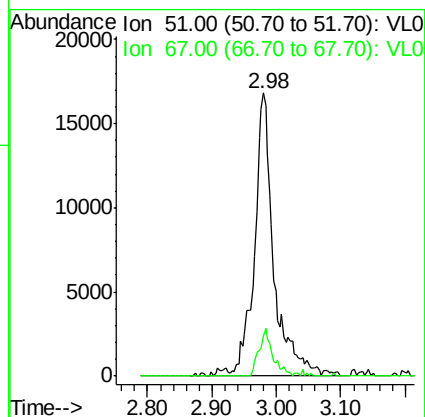
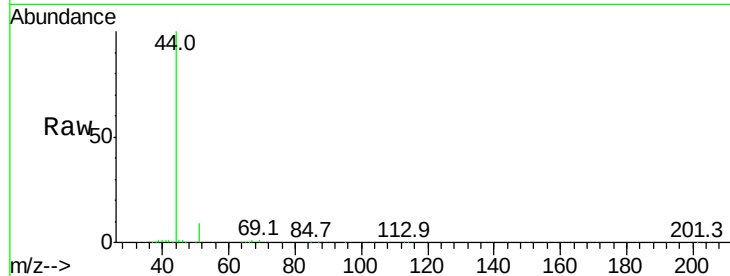
Acq: 23 Mar 2022 1:42 COP89

Tgt Ion: 51 Resp: 35758

Ion Ratio Lower Upper

51 100

67 12.3 14.1 21.1#



#4

Chloromethane

Concen: 0.24 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.00 min

Lab File: VL038700.D

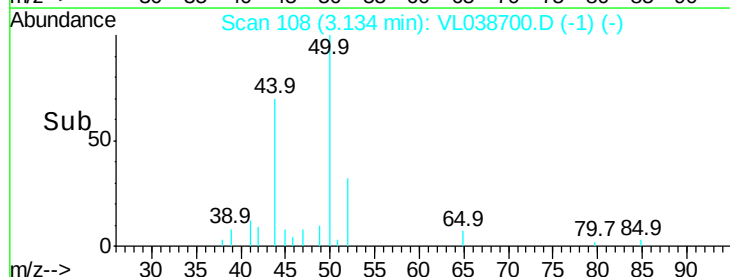
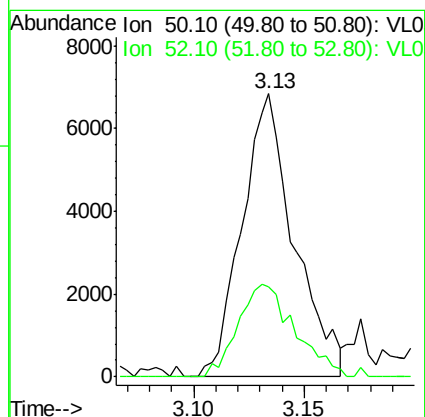
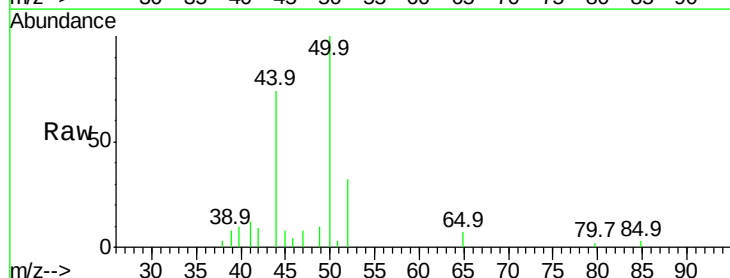
Acq: 23 Mar 2022 1:42

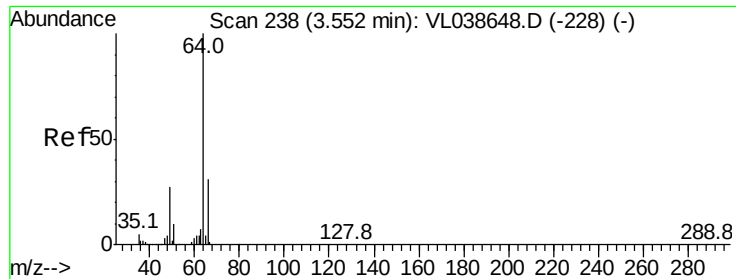
Tgt Ion: 50 Resp: 11243

Ion Ratio Lower Upper

50 100

52 30.9 25.5 38.3





#7

Chloroethane

Concen: 0.03 ppbv

RT: 3.55 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: C0P89

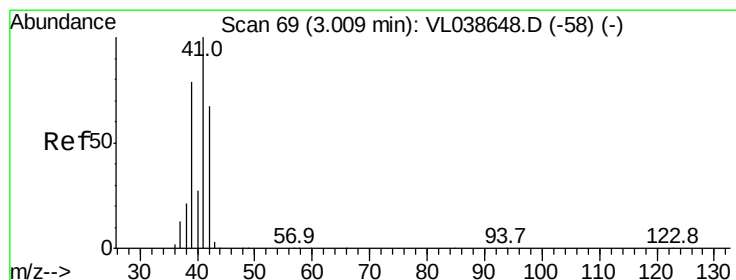
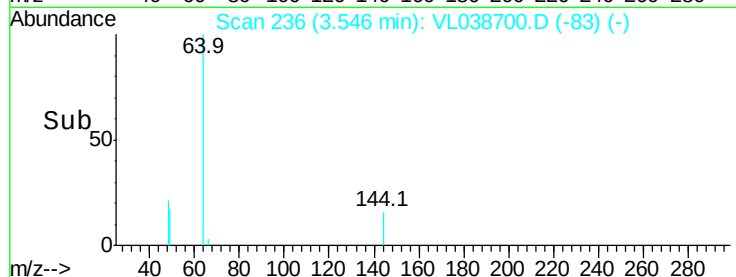
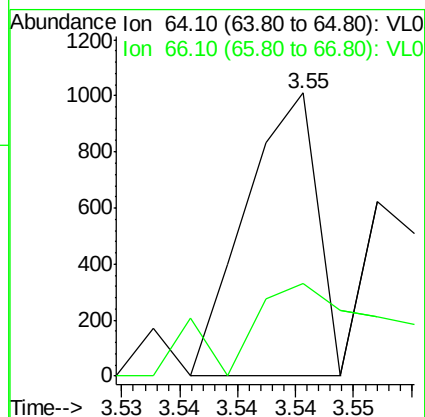
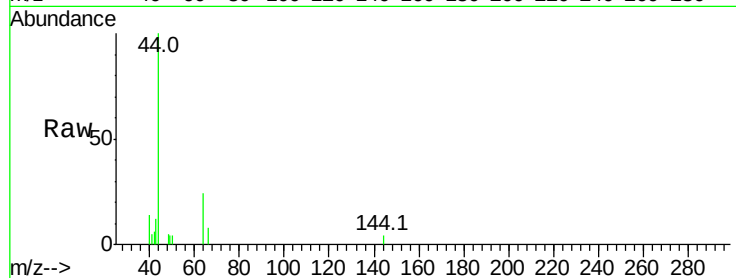
Acq: 23 Mar 2022 1:42

Tgt Ion: 64 Resp: 432

Ion Ratio Lower Upper

64 100

66 33.0 25.0 37.6



#9

Propene

Concen: 2.31 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.00 min

Lab File: VL038700.D

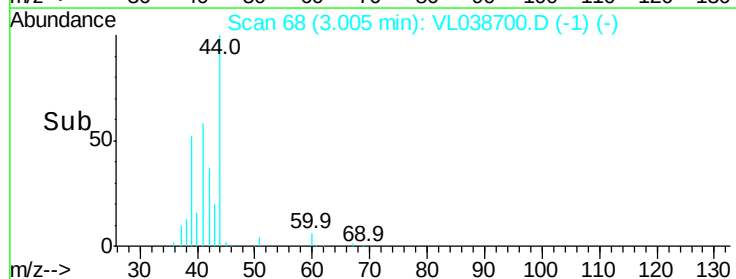
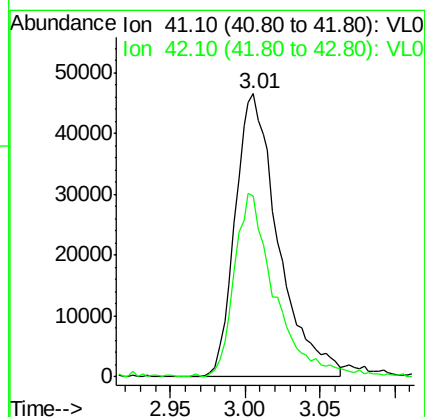
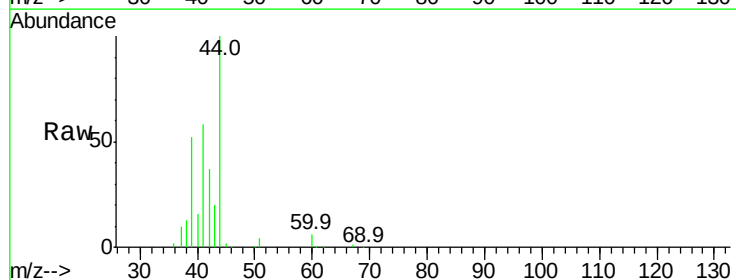
Acq: 23 Mar 2022 1:42

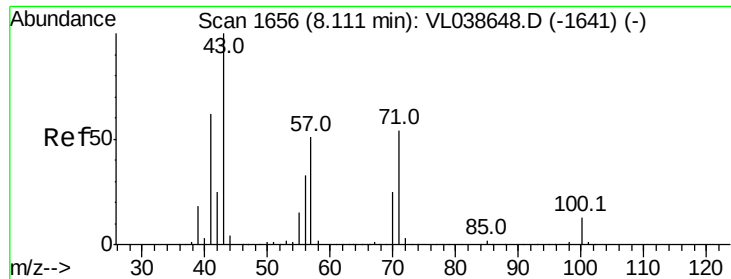
Tgt Ion: 41 Resp: 93662

Ion Ratio Lower Upper

41 100

42 61.4 56.2 84.4





#10

Heptane

Concen: 0.07 ppbv

RT: 8.10

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

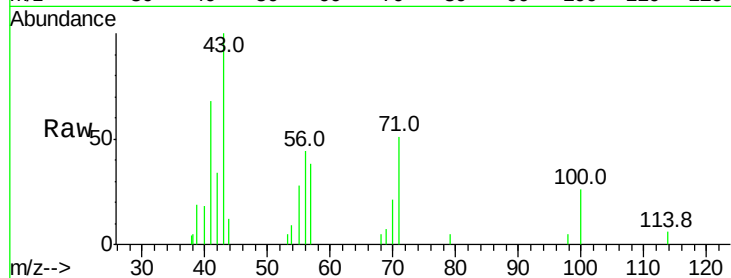
Acq: 23 Mar 2022 1:42

Tgt Ion: 43 Resp: 6999

Ion Ratio Lower Upper

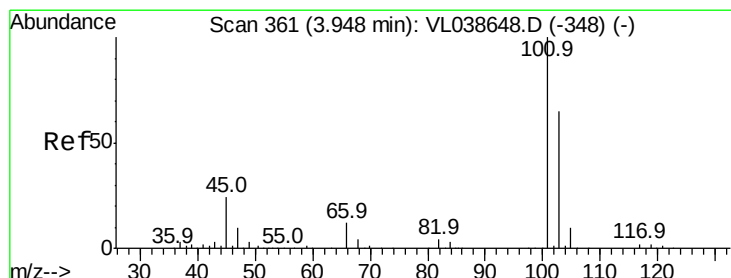
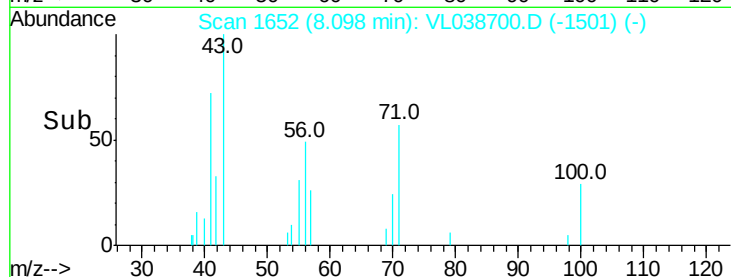
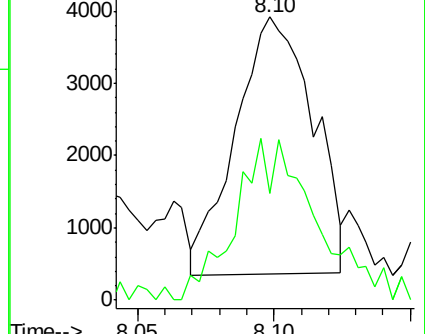
43 100

57 68.6 41.4 62.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#11

Trichlorofluoromethane

Concen: 0.19 ppbv

RT: 3.94 min Scan# 359

Delta R.T. -0.01 min

Lab File: VL038700.D

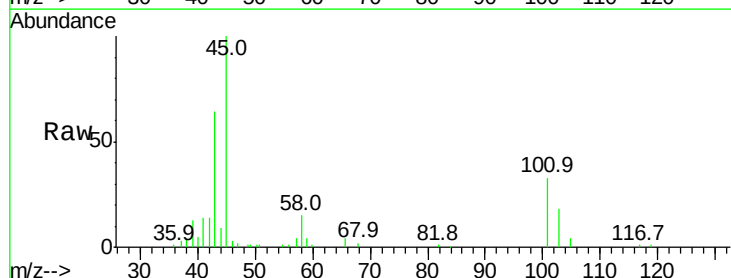
Acq: 23 Mar 2022 1:42

Tgt Ion: 101 Resp: 17588

Ion Ratio Lower Upper

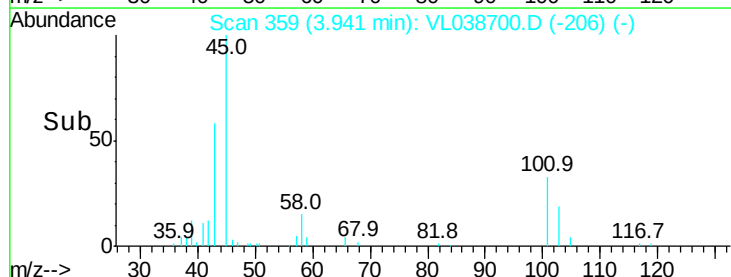
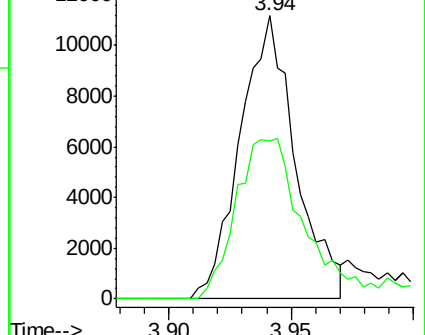
101 100

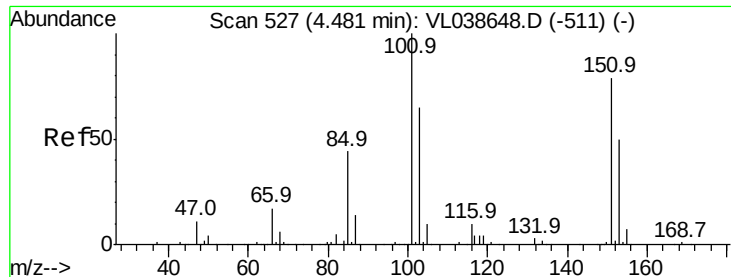
103 56.0 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.03 ppbv

RT: 4.47 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

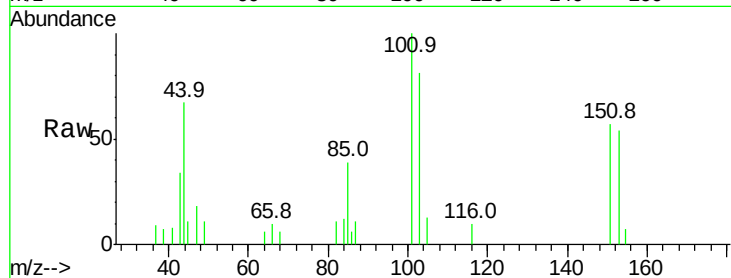
Acq: 23 Mar 2022 1:42 COP89

Tgt Ion: 101 Resp: 1947

Ion Ratio Lower Upper

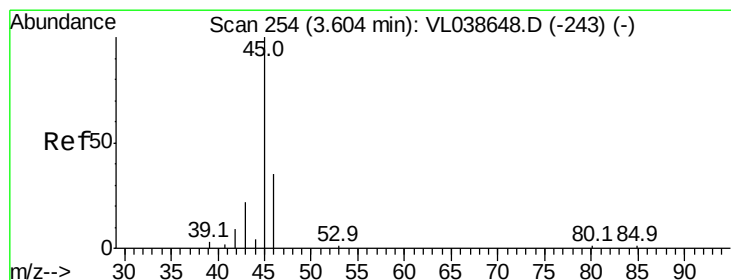
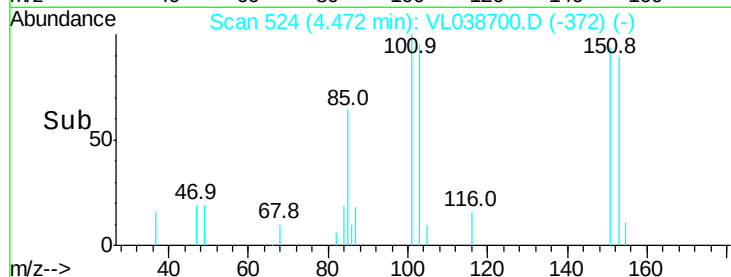
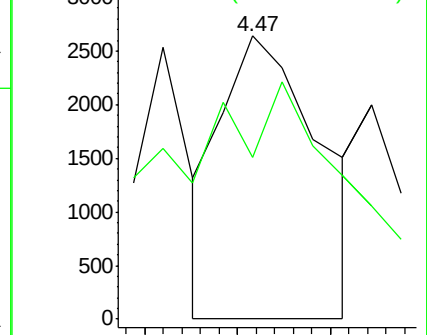
101 100

151 194.8 62.9 94.3#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V



#13

Ethanol

Concen: 54.55 ppbv

RT: 3.58 min Scan# 248

Delta R.T. -0.02 min

Lab File: VL038700.D

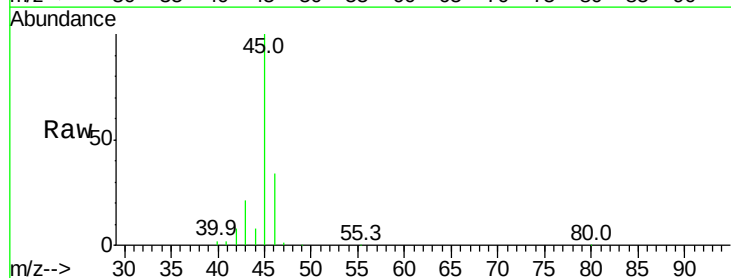
Acq: 23 Mar 2022 1:42

Tgt Ion: 45 Resp: 244293

Ion Ratio Lower Upper

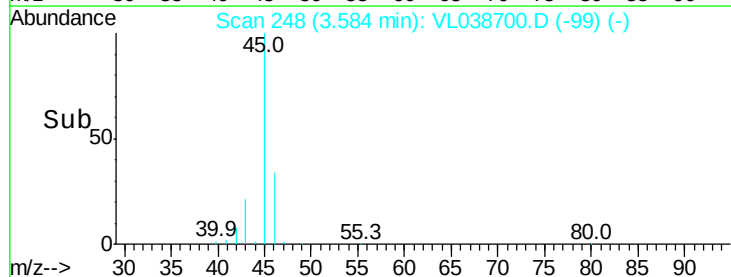
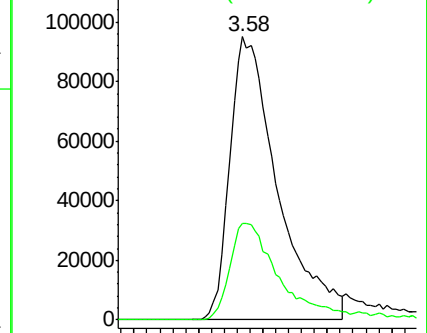
45 100

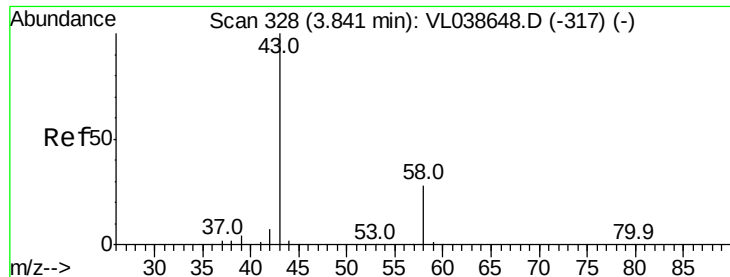
46 37.9 15.1 60.5



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 21.14 ppbv

RT: 3.83

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

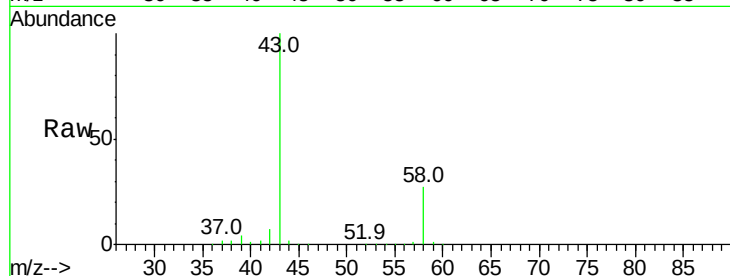
Acq: 23 Mar 2022 1:42

Tgt Ion: 43 Resp: 1452257

Ion Ratio Lower Upper

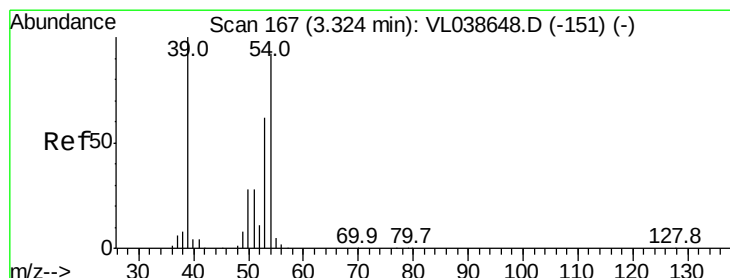
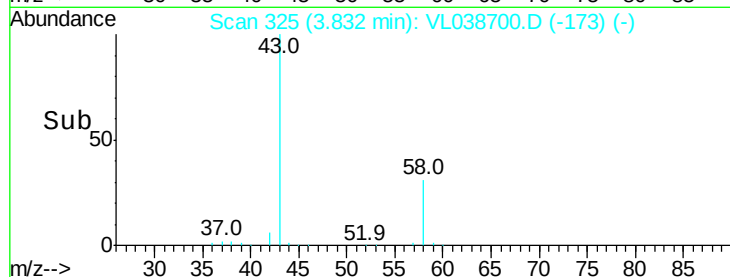
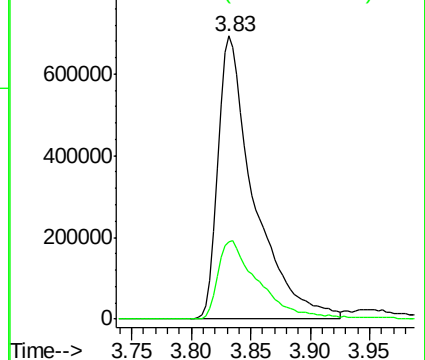
43 100

58 32.5 23.3 34.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 3.51 ppbv

RT: 3.30 min Scan# 160

Delta R.T. -0.02 min

Lab File: VL038700.D

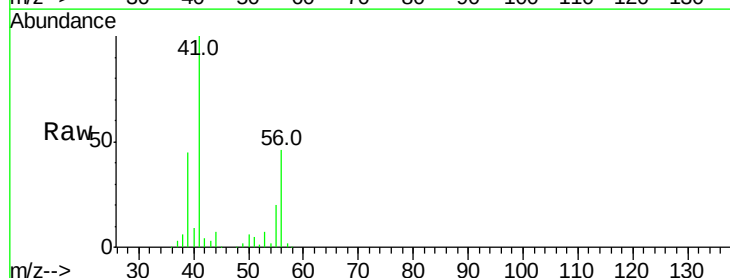
Acq: 23 Mar 2022 1:42

Tgt Ion: 39 Resp: 137026

Ion Ratio Lower Upper

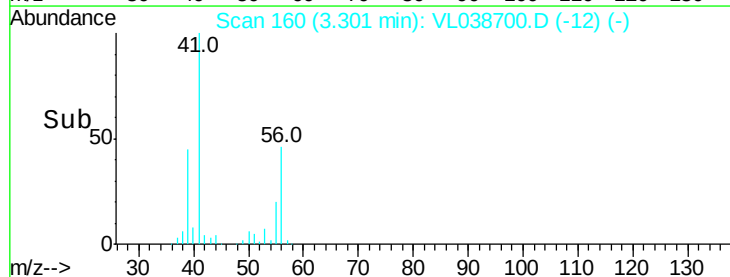
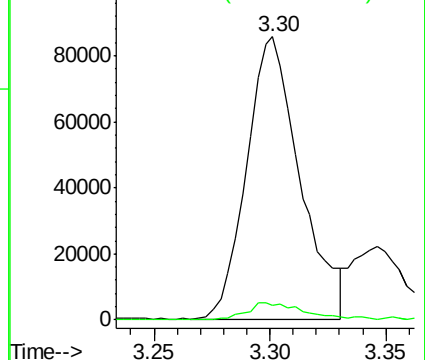
39 100

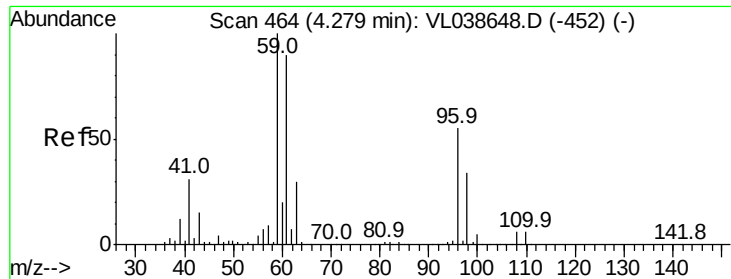
54 7.4 69.1 103.7#



Abundance Ion 39.10 (38.80 to 39.80): VL0

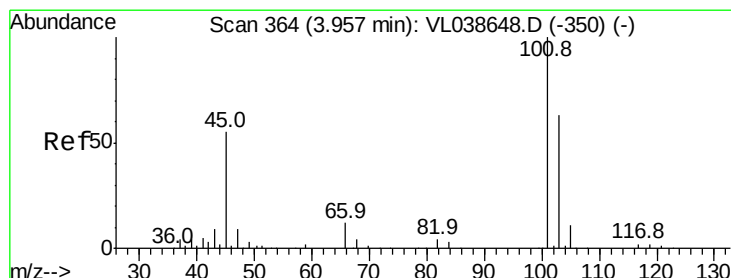
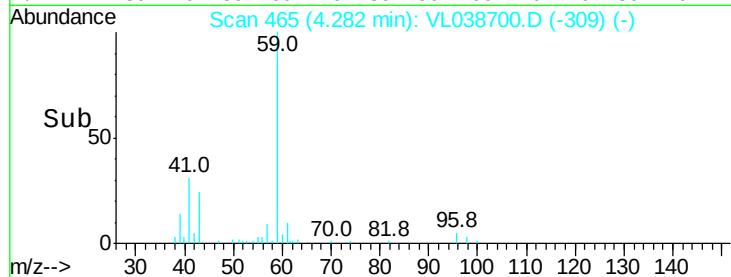
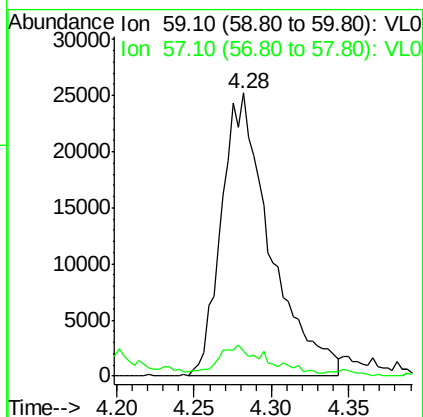
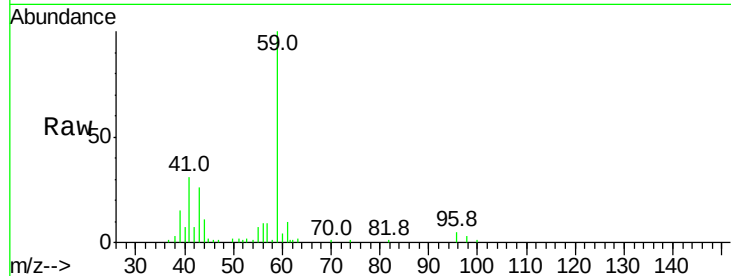
Ion 54.10 (53.80 to 54.80): VL0





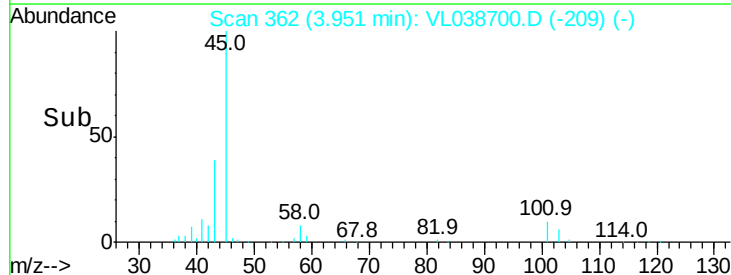
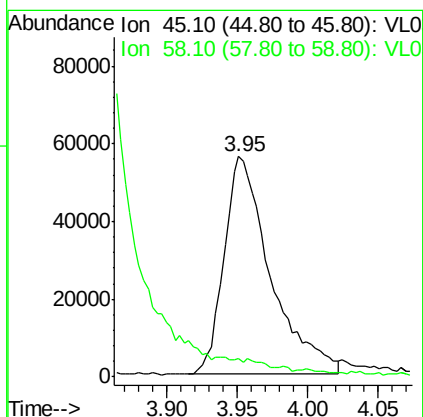
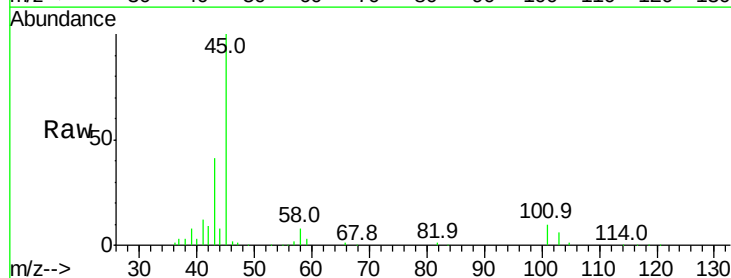
#17
 tert-Butyl alcohol
 Concen: 0.92 ppbv
 RT: 4.28
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 23 Mar 2022 1:42

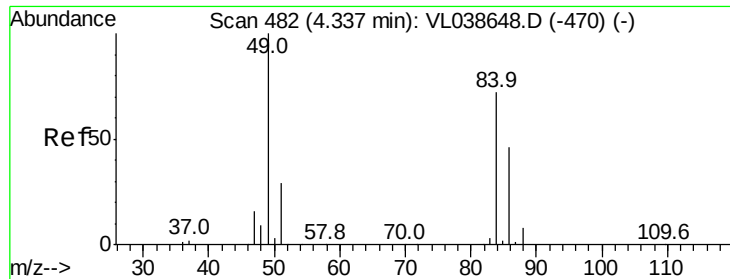
Tgt Ion: 59 Resp: 55309
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#



#19
 Isopropyl Alcohol
 Concen: 3.39 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. -0.01 min
 Lab File: VL038700.D
 Acq: 23 Mar 2022 1:42

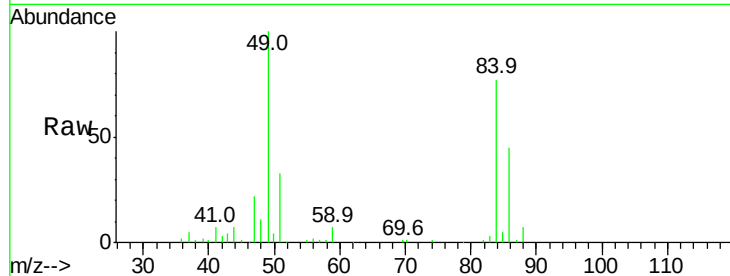
Tgt Ion: 45 Resp: 128934
 Ion Ratio Lower Upper
 45 100
 58 365.7 2.3 3.5#



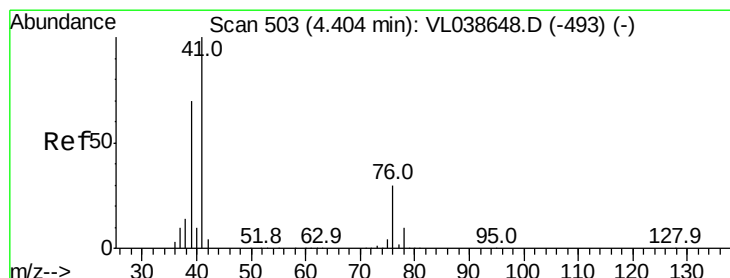
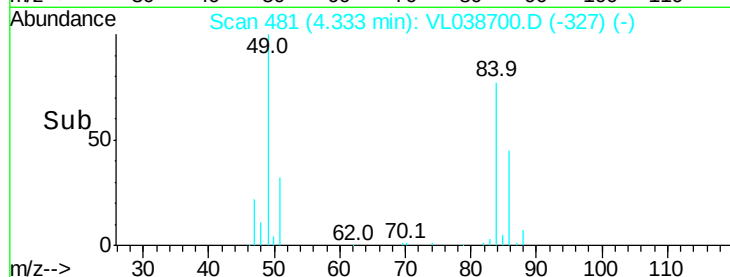
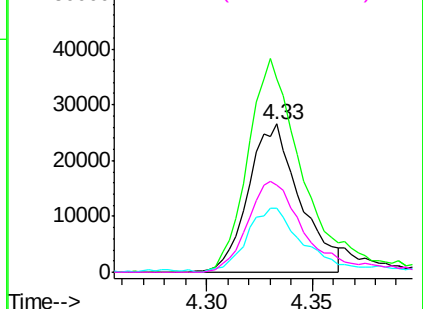


#20
Methylene Chloride
Concen: 1.56 ppbv
RT: 4.33
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 23 Mar 2022 1:42

Tgt Ion:	84	Resp:	45246
Ion	Ratio	Lower	Upper
84	100		
49	128.7	111.2	166.8
51	41.3	32.8	49.2
86	58.5	51.4	77.0

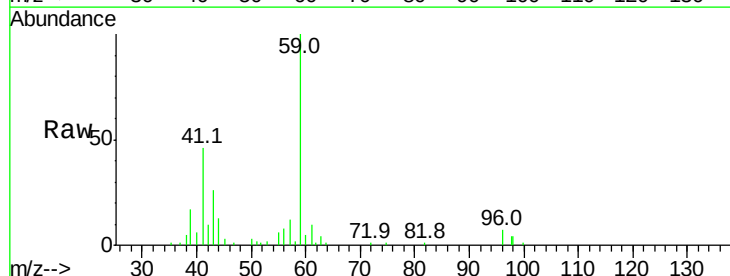


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

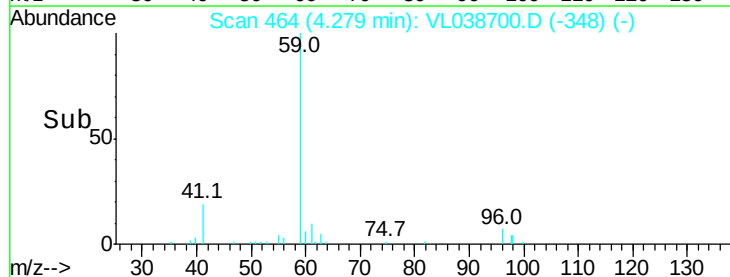
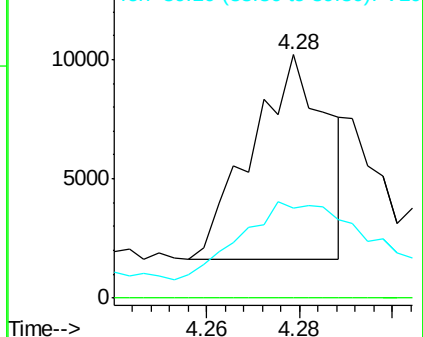


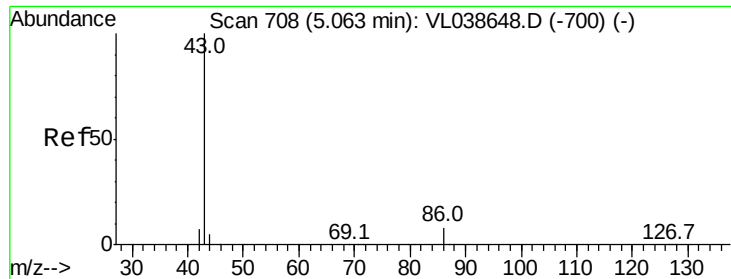
#21
Allyl Chloride
Concen: 0.20 ppbv
RT: 4.28 min Scan# 464
Delta R.T. -0.13 min
Lab File: VL038700.D
Acq: 23 Mar 2022 1:42

Tgt Ion:	41	Resp:	9667
Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.0	37.6#
39	0.0	56.6	85.0#



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





#23

Vinyl Acetate

Concen: 0.28 ppbv

RT: 5.04 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: COP89

Acq: 23 Mar 2022 1:42

Tgt Ion: 43 Resp: 18738

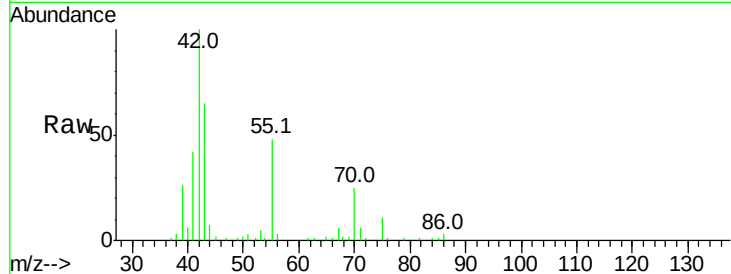
Ion Ratio Lower Upper

43 100

86 4.6 5.6 8.4#

42 157.0 6.8 10.2#

44 1.9 4.2 6.2#

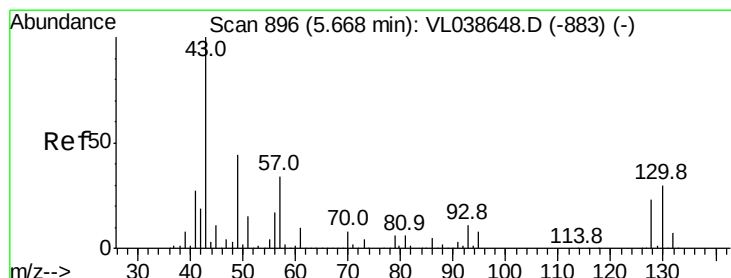
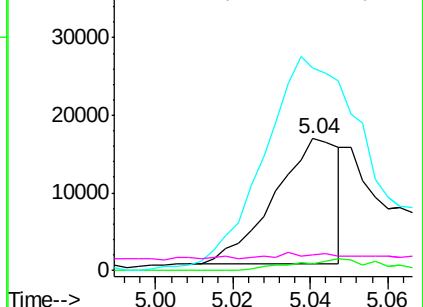
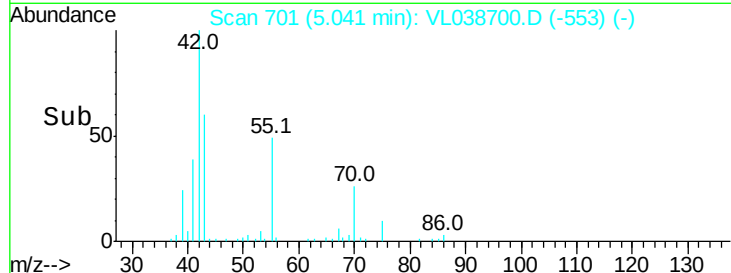


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#25

Ethyl Acetate

Concen: 0.46 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.00 min

Lab File: VL038700.D

Acq: 23 Mar 2022 1:42

Tgt Ion: 43 Resp: 78967

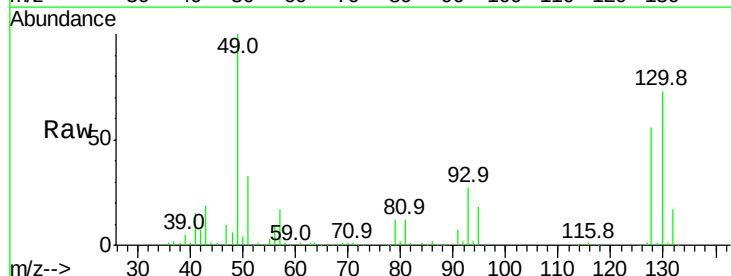
Ion Ratio Lower Upper

43 100

45 8.8 8.2 12.4

61 6.0 8.3 12.5#

70 5.4 5.6 8.4#

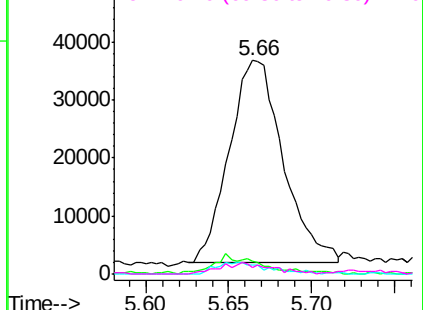
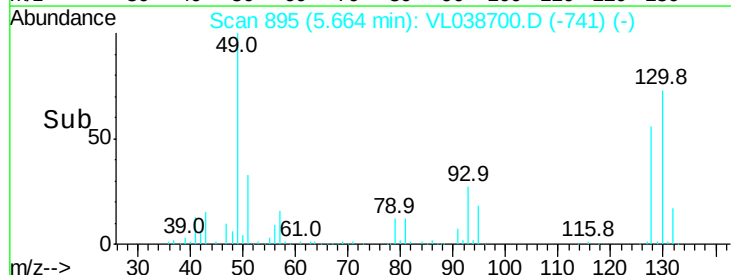


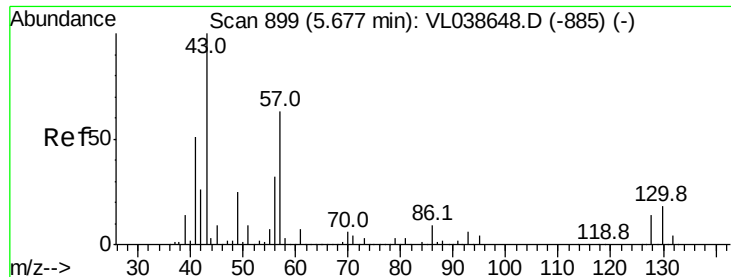
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0





#26

Hexane

Concen: 0.88 ppbv

RT: 5.67 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: COP89

Acq: 23 Mar 2022 1:42

Tgt Ion: 57 Resp: 68151

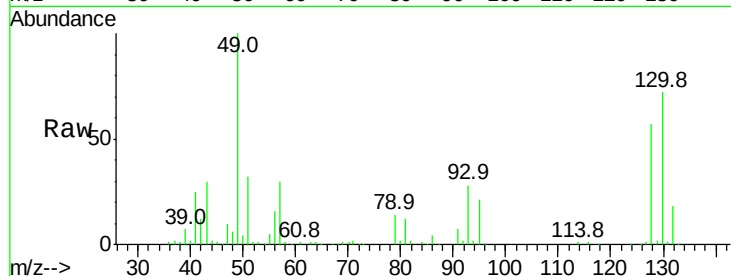
Ion Ratio Lower Upper

57 100

41 101.8 67.0 100.4#

43 135.1 184.2 276.2#

56 61.2 42.6 64.0

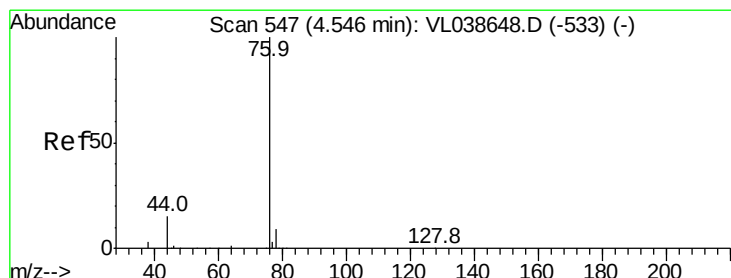
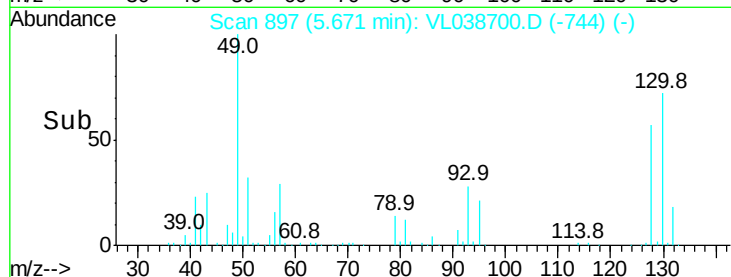
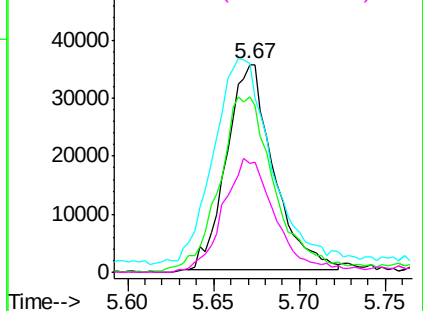


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#27

Carbon Disulfide

Concen: 0.19 ppbv

RT: 4.54 min Scan# 545

Delta R.T. -0.01 min

Lab File: VL038700.D

Acq: 23 Mar 2022 1:42

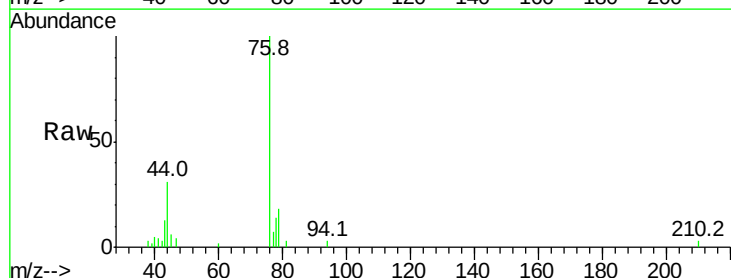
Tgt Ion: 76 Resp: 14110

Ion Ratio Lower Upper

76 100

44 38.9 12.4 18.6#

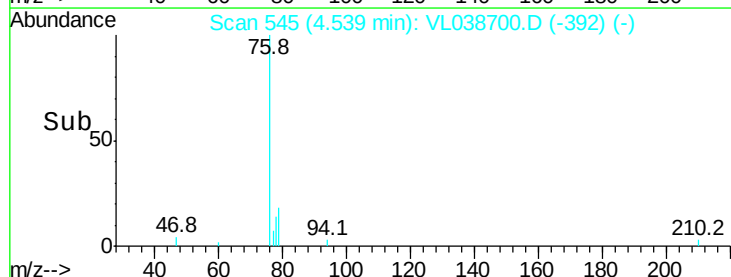
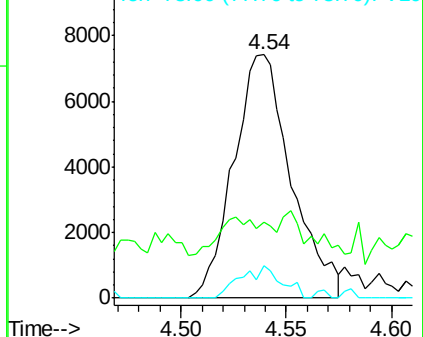
78 10.7 7.8 11.8

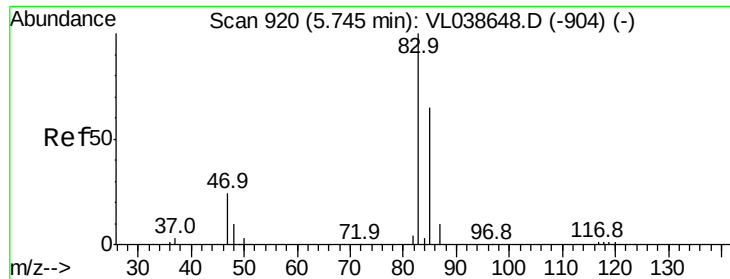


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

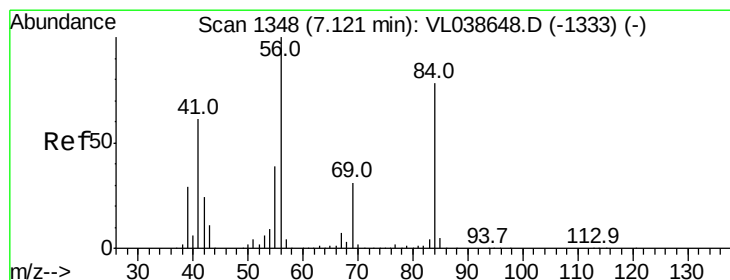
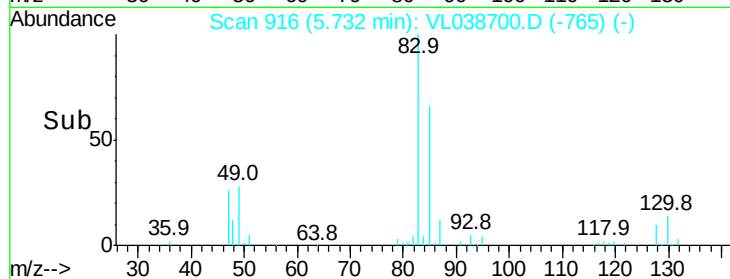
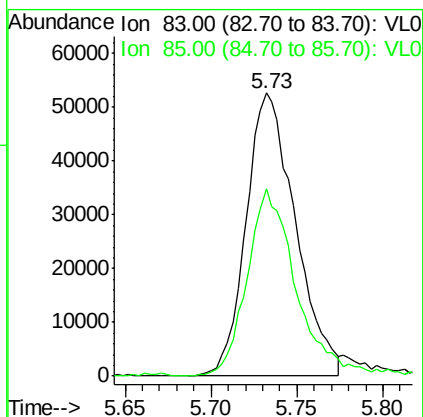
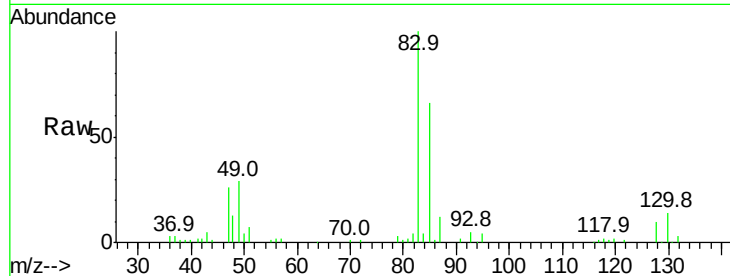
Ion 78.00 (77.70 to 78.70): VL0





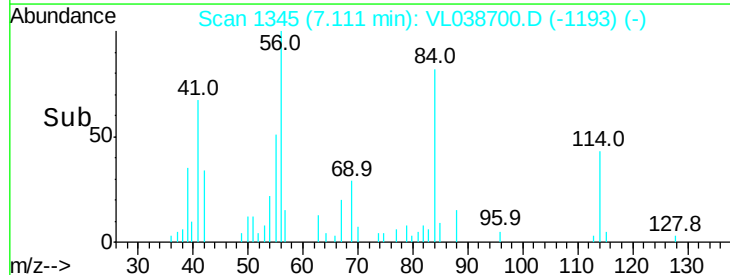
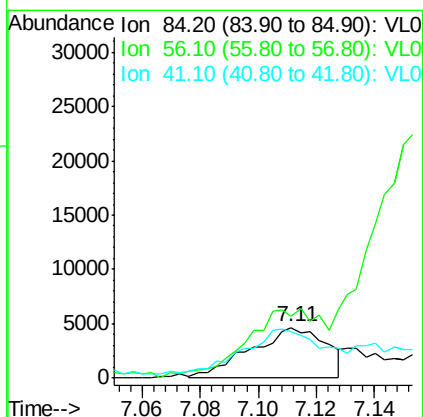
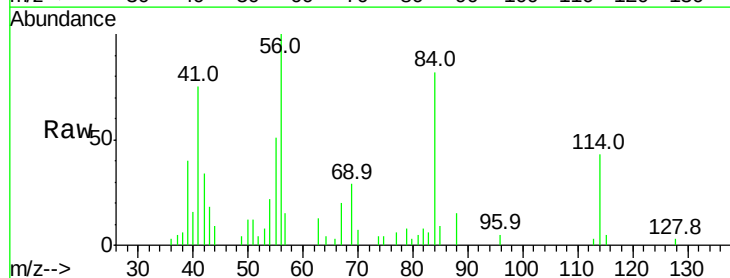
#29
Chloroform
Concen: 0.84 ppbv
RT: 5.73
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
Acq: 23 Mar 2022 1:42

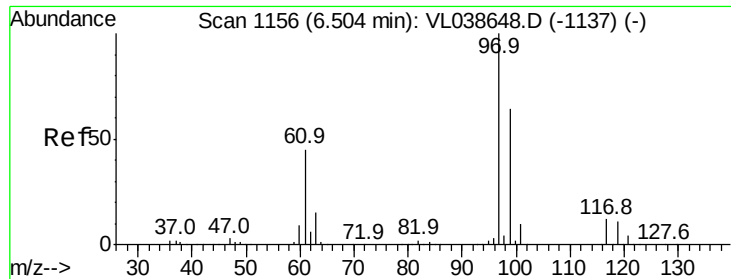
Tgt Ion: 83 Resp: 104699
Ion Ratio Lower Upper
83 100
85 66.4 51.7 77.5



#30
Cyclohexane
Concen: 0.12 ppbv
RT: 7.11 min Scan# 1345
Delta R.T.: -0.01 min
Lab File: VL038700.D
Acq: 23 Mar 2022 1:42

Tgt Ion: 84 Resp: 8385
Ion Ratio Lower Upper
84 100
56 0.0 108.2 162.4#
41 126.2 61.8 92.6#





#32

1,1,1-Trichloroethane

Concen: 0.08 ppbv

RT: 6.49

Instrument: MSVOA_1

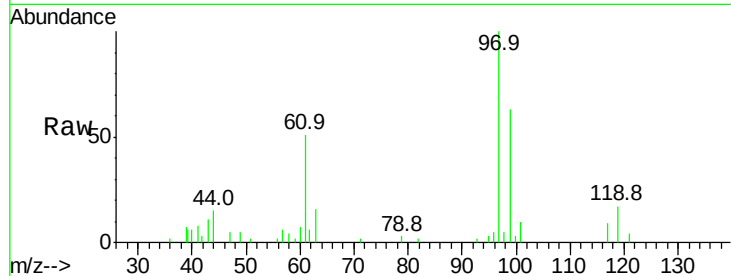
Delta R.T.:

Lab File: ClientSampleId:

Acq: 23 Mar 2022 1:42

Tgt Ion: 97 Resp: 9900

Ion	Ratio	Lower	Upper
97	100		
99	116.8	51.8	77.8#
61	92.5	36.7	55.1#

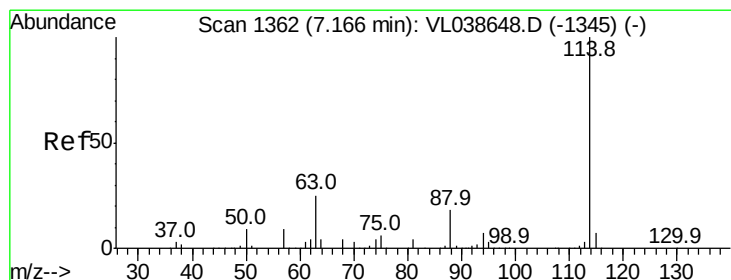
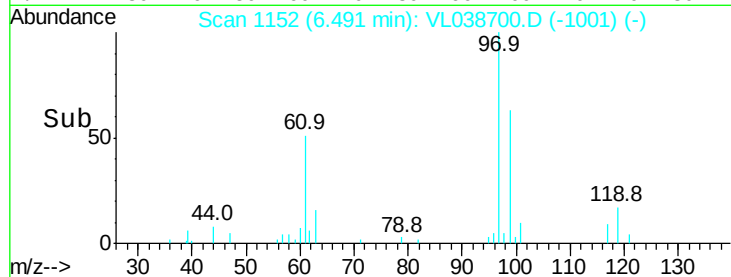
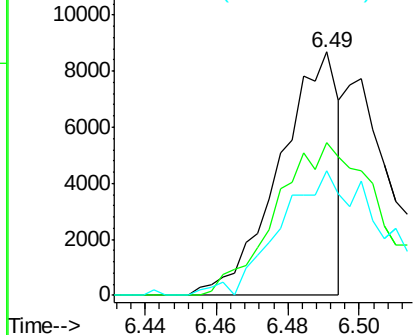


Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.15 min Scan# 1358

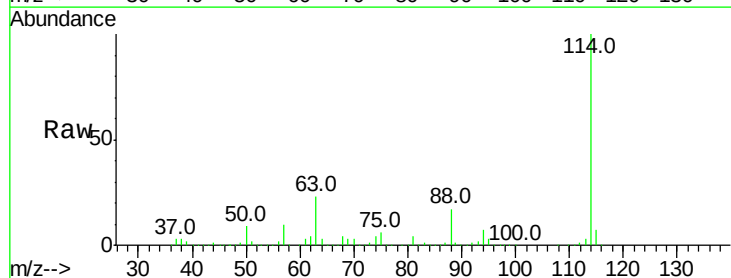
Delta R.T. -0.01 min

Lab File: VL038700.D

Acq: 23 Mar 2022 1:42

Tgt Ion: 114 Resp: 2193823

Ion	Ratio	Lower	Upper
114	100		
63	22.8	19.4	29.0
88	16.6	13.9	20.9

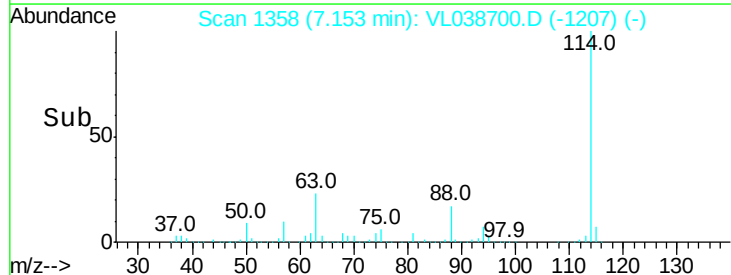
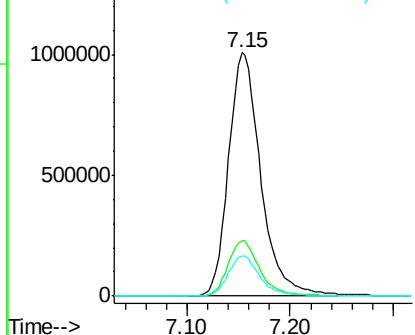


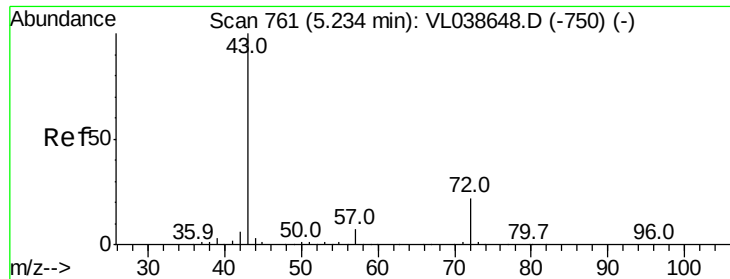
Abundance

Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

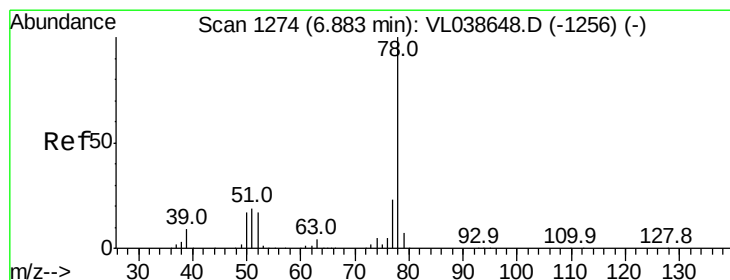
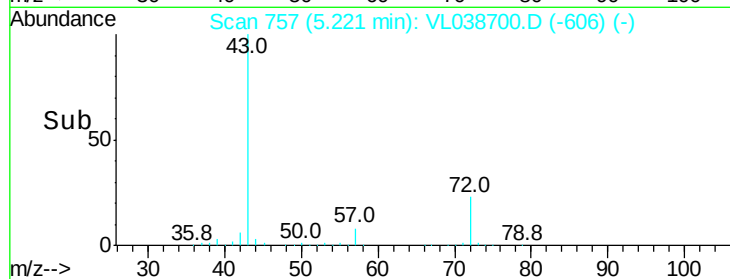
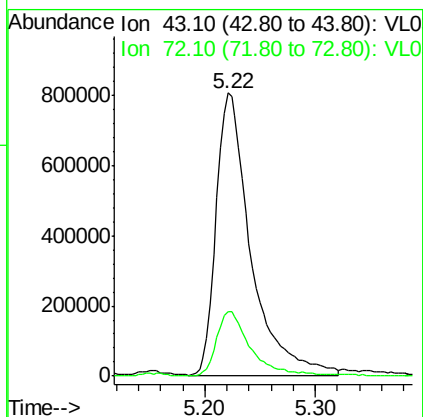
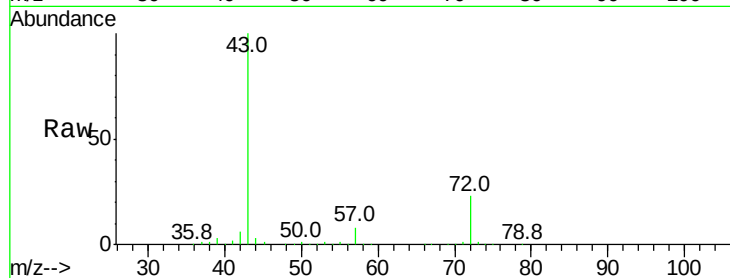
Ion 88.10 (87.80 to 88.80): VL0





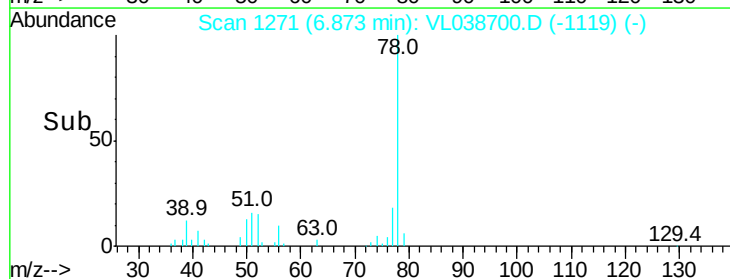
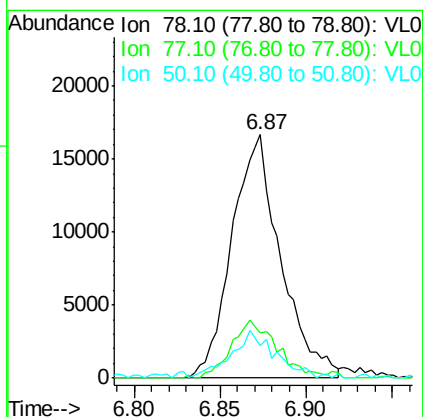
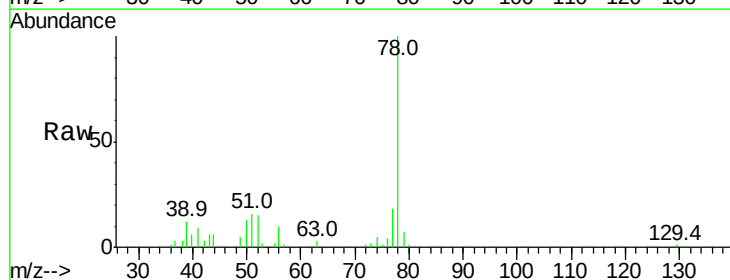
#34
 2-Butanone
 Concen: 20.16 ppbv
 RT: 5.22
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 23 Mar 2022 1:42

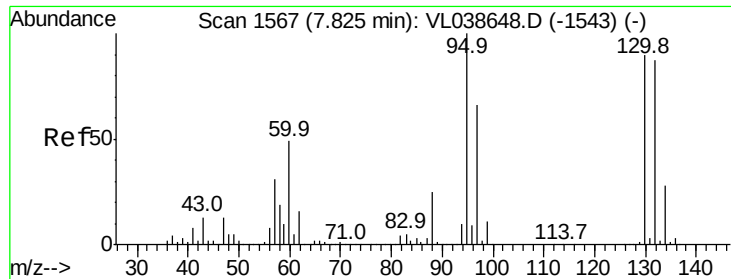
Tgt Ion: 43 Resp: 1750649
 Ion Ratio Lower Upper
 43 100
 72 23.2 17.8 26.8



#36
 Benzene
 Concen: 0.19 ppbv
 RT: 6.87 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: VL038700.D
 Acq: 23 Mar 2022 1:42

Tgt Ion: 78 Resp: 32833
 Ion Ratio Lower Upper
 78 100
 77 17.2 18.1 27.1#
 50 13.3 13.6 20.4#





#38

Trichloroethene

Concen: 0.13 ppbv

RT: 7.82 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Mar 2022 1:42 COP89

Tgt Ion:130 Resp: 9287

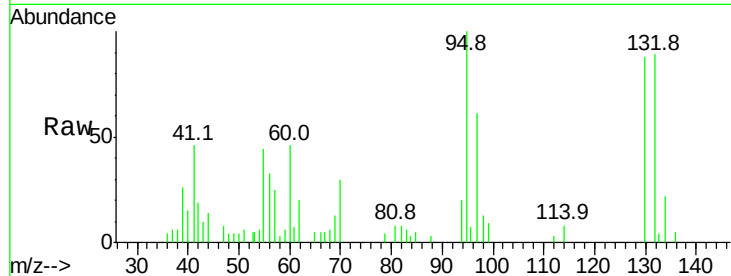
Ion Ratio Lower Upper

130 100

95 103.9 88.9 133.3

132 93.0 77.4 116.0

97 58.4 58.2 87.4

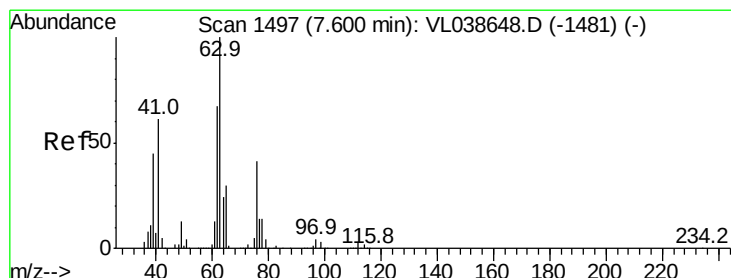
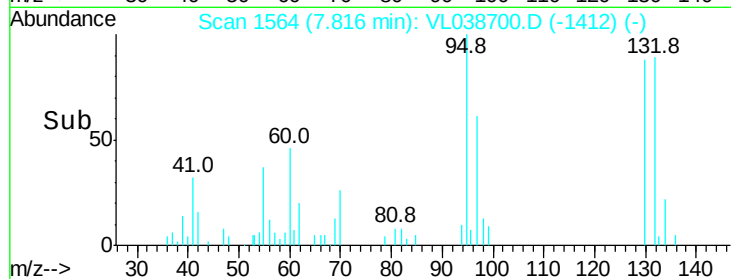
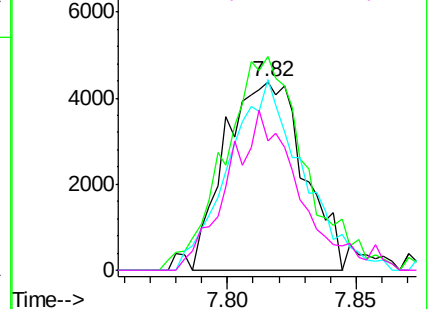


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 7.48 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.45 min

Lab File: VL038700.D

Acq: 23 Mar 2022 1:42

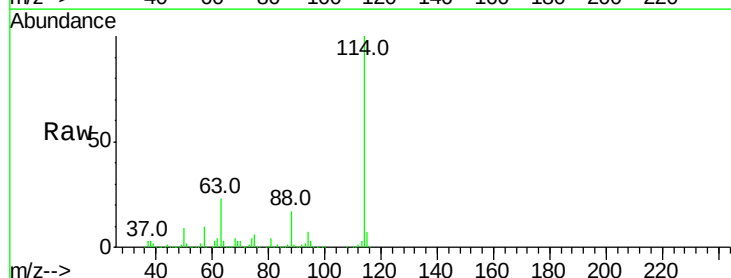
Tgt Ion: 63 Resp: 495126

Ion Ratio Lower Upper

63 100

41 0.0 49.0 73.6#

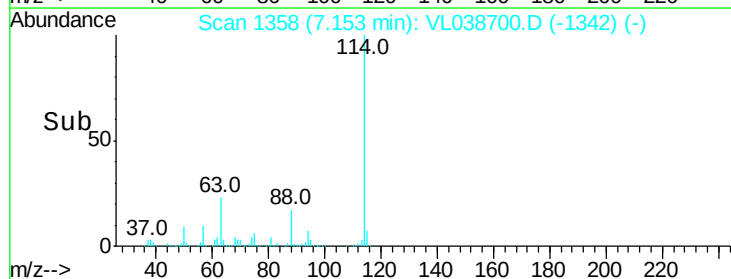
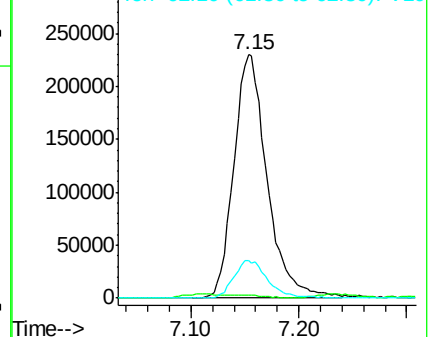
62 15.5 53.9 80.9#

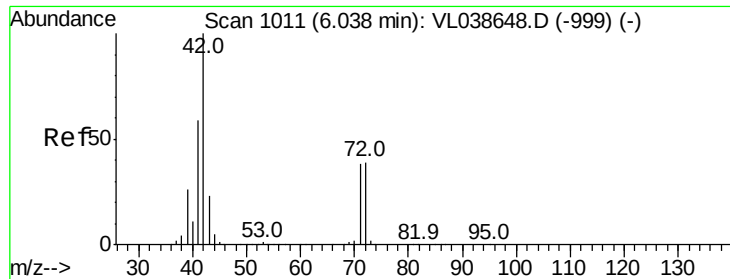


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#41

Tetrahydrofuran

Concen: 0.56 ppbv

RT: 6.04 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: C0P89

Acq: 23 Mar 2022 1:42

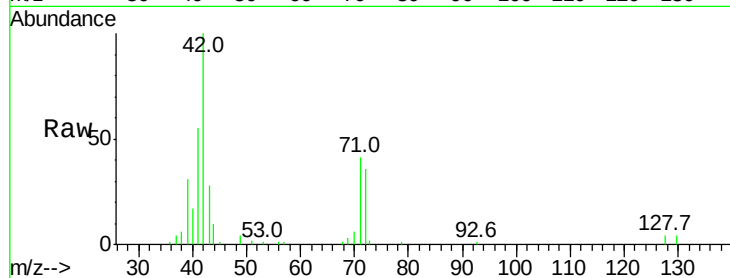
Tgt Ion: 42 Resp: 36255

Ion Ratio Lower Upper

42 100

72 46.7 32.5 48.7

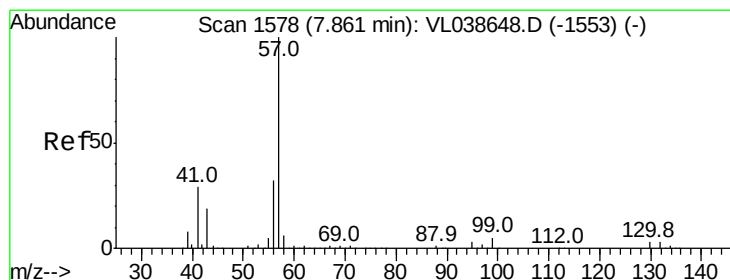
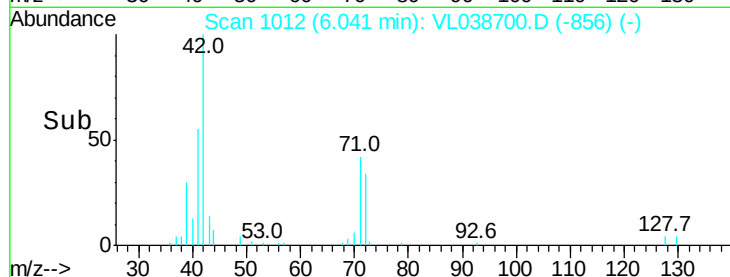
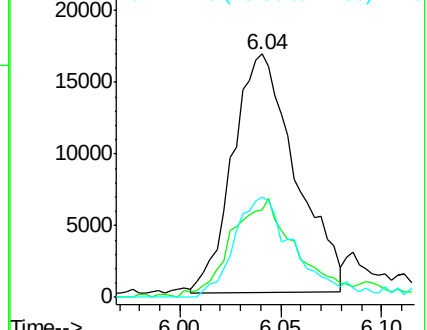
71 42.8 31.4 47.2



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 0.04 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. -0.02 min

Lab File: VL038700.D

Acq: 23 Mar 2022 1:42

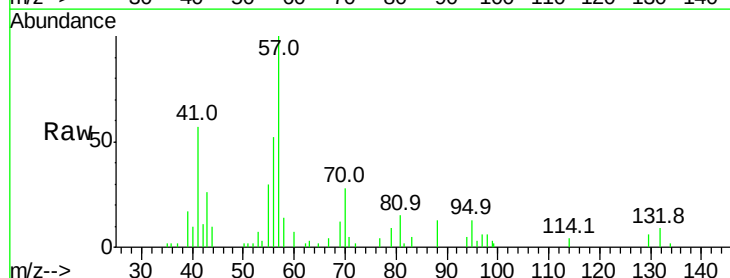
Tgt Ion: 57 Resp: 12137

Ion Ratio Lower Upper

57 100

41 115.4 23.0 34.4#

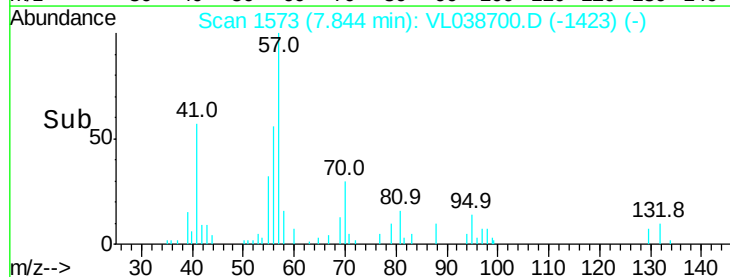
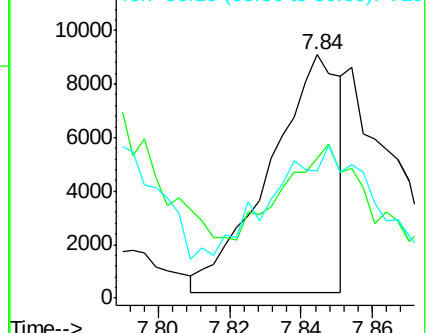
56 135.8 25.3 37.9#

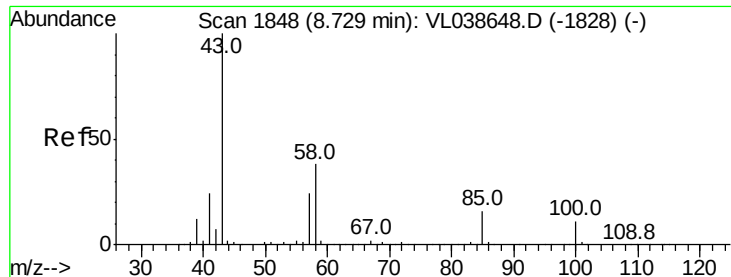


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

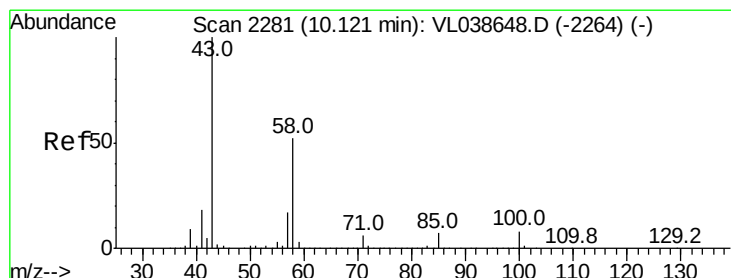
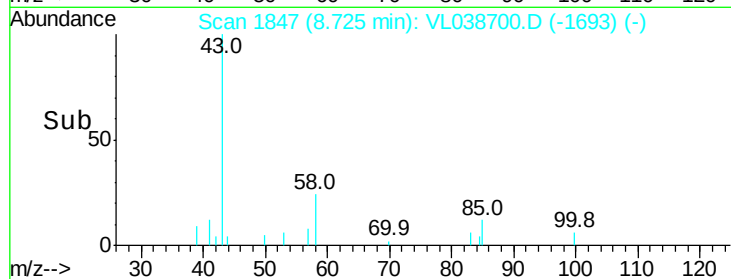
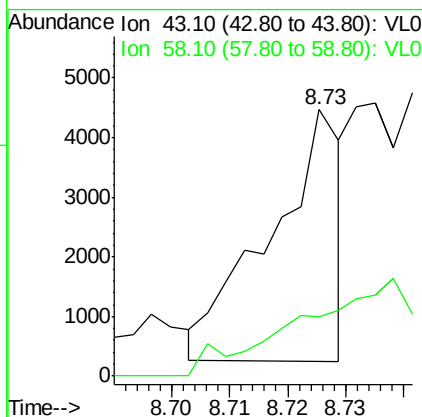
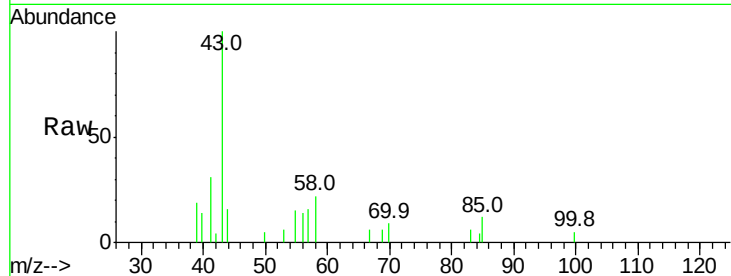
Ion 56.10 (55.80 to 56.80): VL0





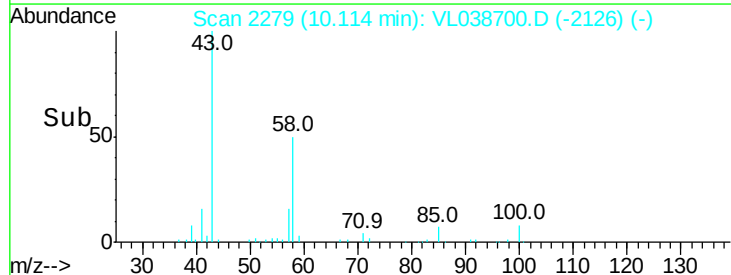
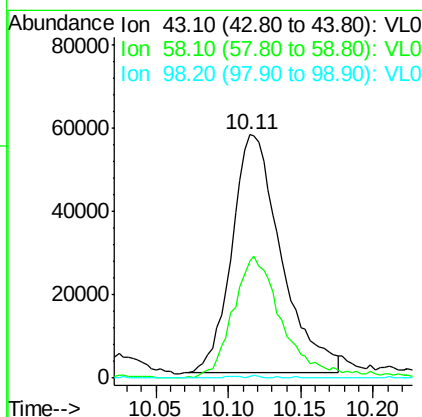
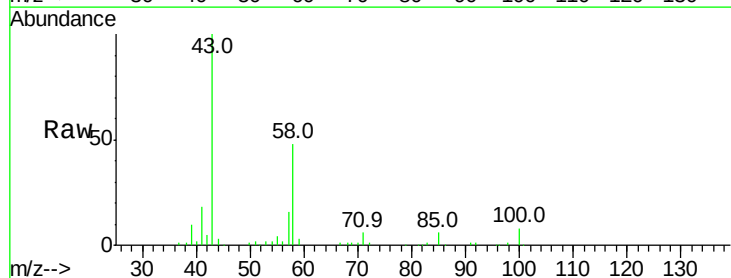
#50
 4-Methyl-2-Pentanone
 Concen: 0.02 ppbv
 RT: 8.73
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 23 Mar 2022 1:42

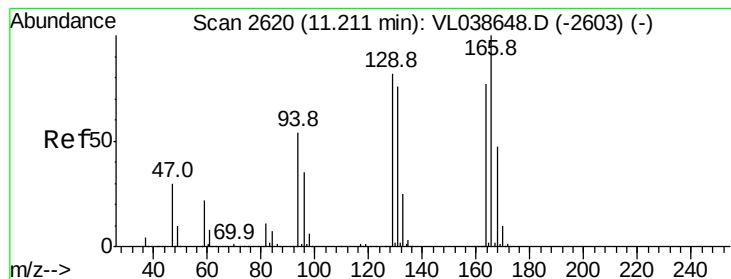
Tgt Ion: 43 Resp: 3609
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.9 44.9#



#51
 2-Hexanone
 Concen: 1.17 ppbv
 RT: 10.11 min Scan# 2279
 Delta R.T. -0.01 min
 Lab File: VL038700.D
 Acq: 23 Mar 2022 1:42

Tgt Ion: 43 Resp: 135911
 Ion Ratio Lower Upper
 43 100
 58 51.1 41.2 61.8
 98 0.7 0.2 0.4#





#52

Tetrachloroethene

Concen: 68.82 ppbv

RT: 11.20

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 23 Mar 2022 1:42

Tgt Ion: 164 Resp: 4263985

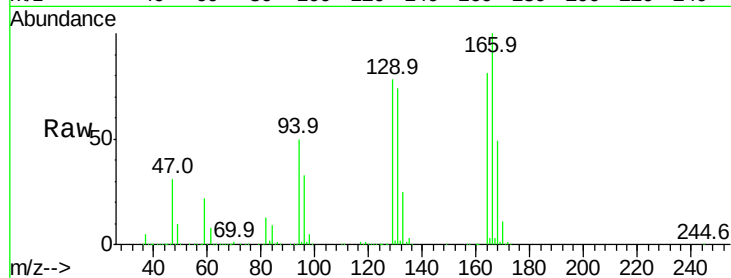
Ion Ratio Lower Upper

164 100

166 124.0 103.3 154.9

129 96.8 85.2 127.8

131 92.0 78.3 117.5



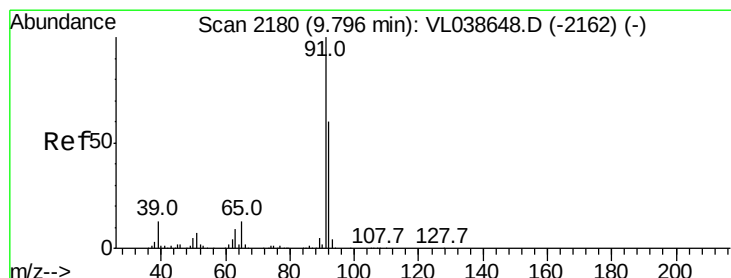
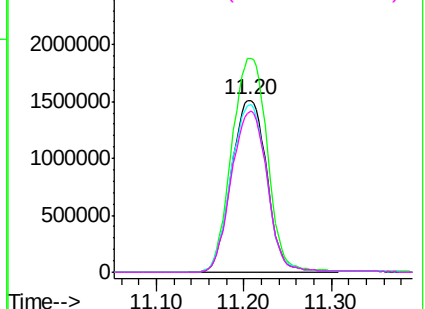
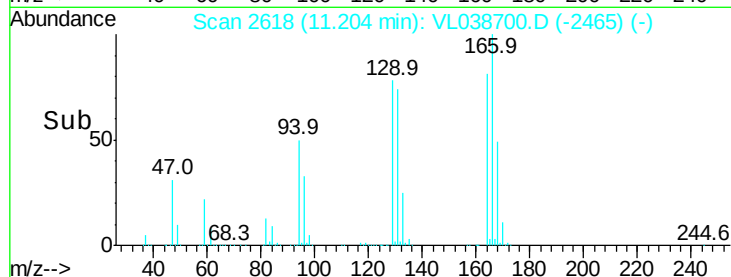
Abundance

Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 3.64 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.01 min

Lab File: VL038700.D

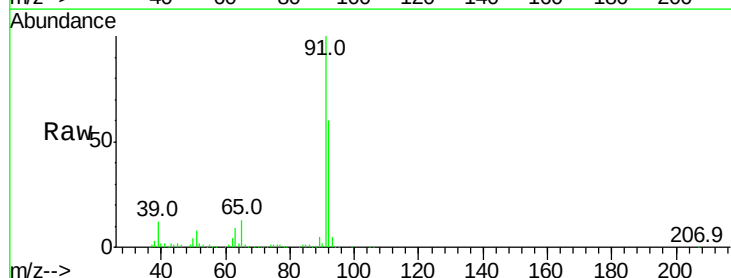
Acq: 23 Mar 2022 1:42

Tgt Ion: 91 Resp: 663122

Ion Ratio Lower Upper

91 100

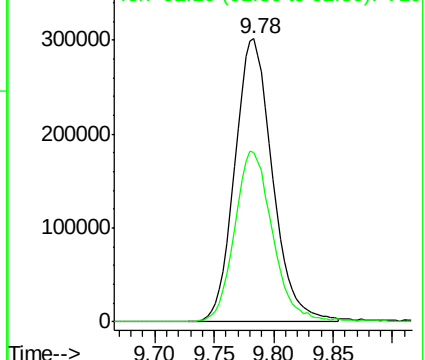
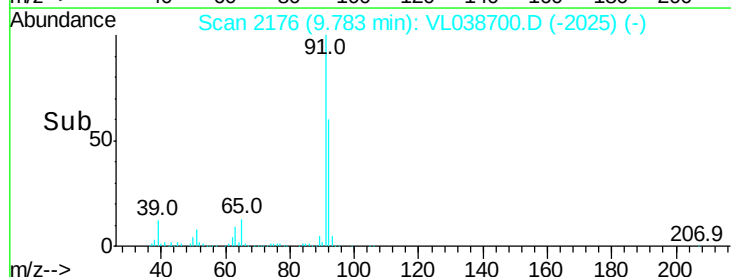
92 61.1 48.7 73.1

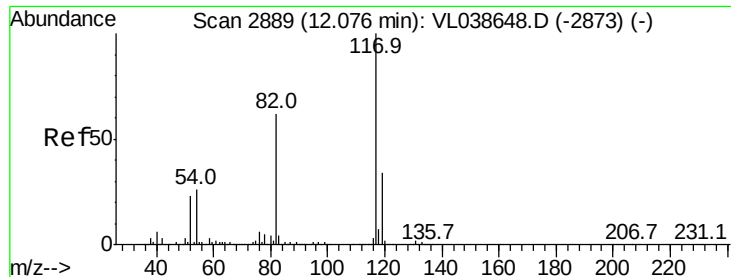


Abundance

Ion 91.10 (90.80 to 91.80): VL0

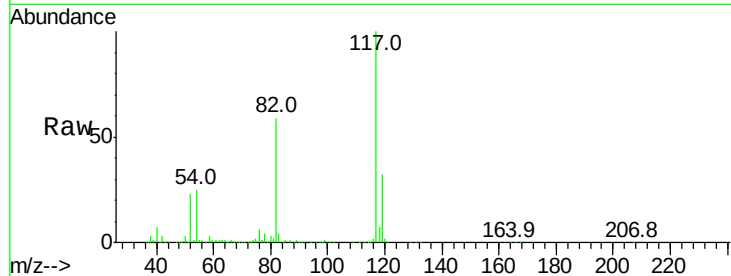
Ion 92.10 (91.80 to 92.80): VL0



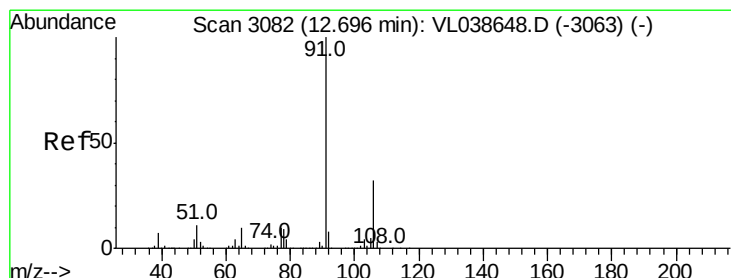
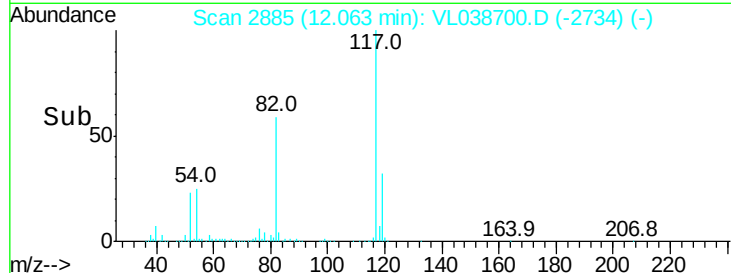
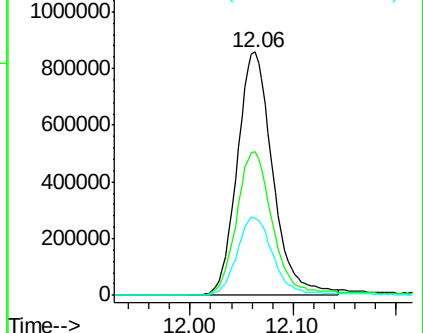


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.06
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
COP89
Acq: 23 Mar 2022 1:42

Tgt Ion: 117 Resp: 2058724
Ion Ratio Lower Upper
117 100
82 62.1 51.6 77.4
119 33.9 26.9 40.3

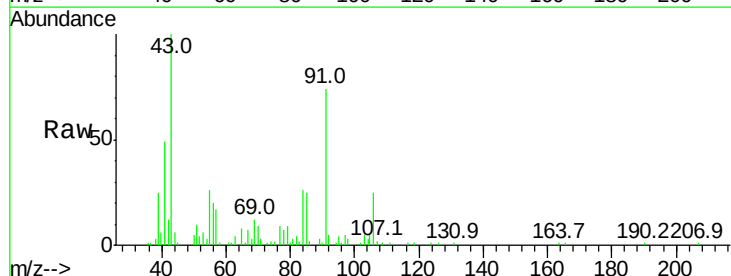


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

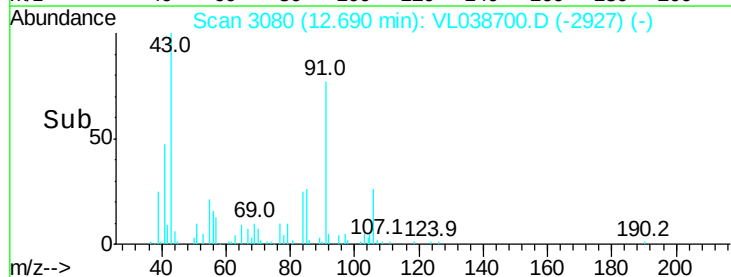
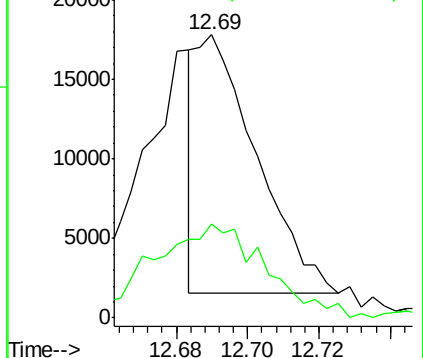


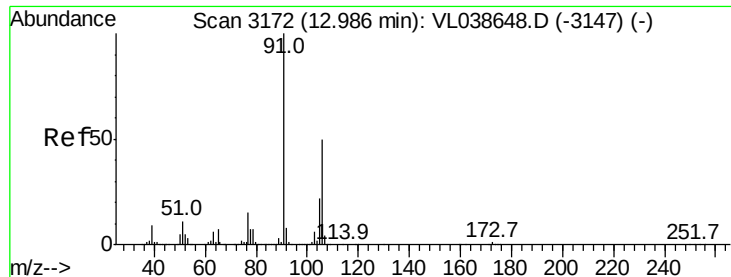
#58
Ethyl Benzene
Concen: 0.08 ppbv
RT: 12.69 min Scan# 3080
Delta R.T. -0.01 min
Lab File: VL038700.D
Acq: 23 Mar 2022 1:42

Tgt Ion: 91 Resp: 18785
Ion Ratio Lower Upper
91 100
106 30.8 25.4 38.0



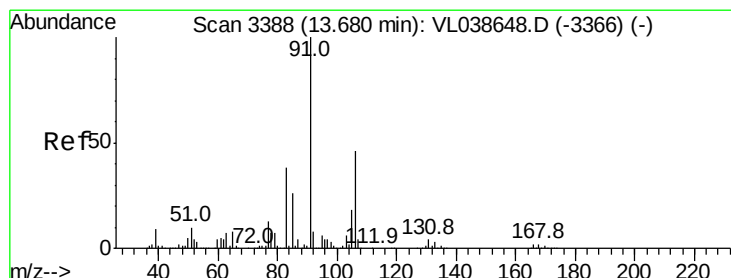
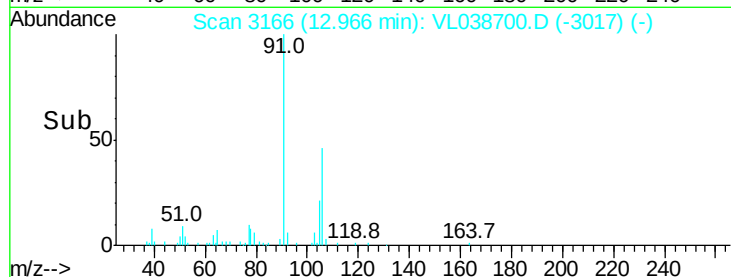
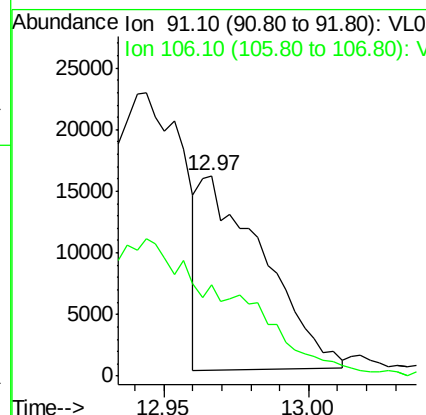
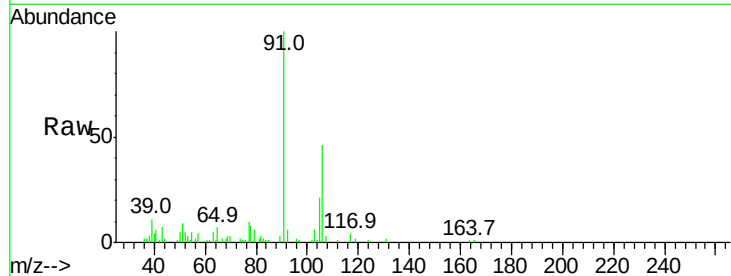
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





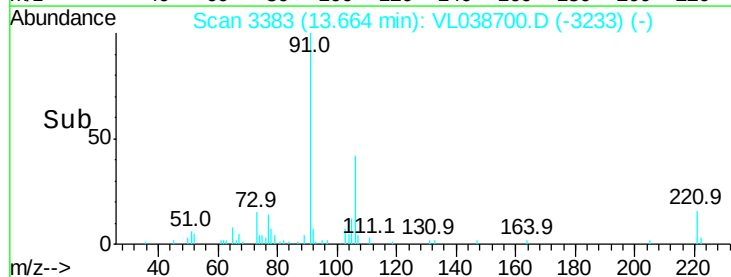
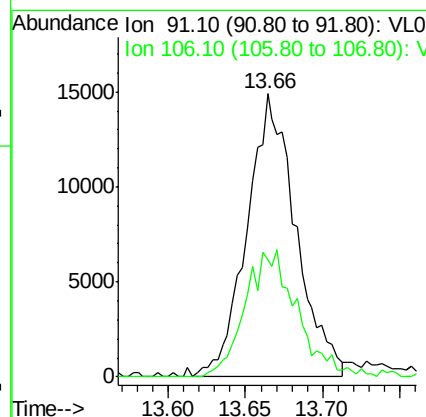
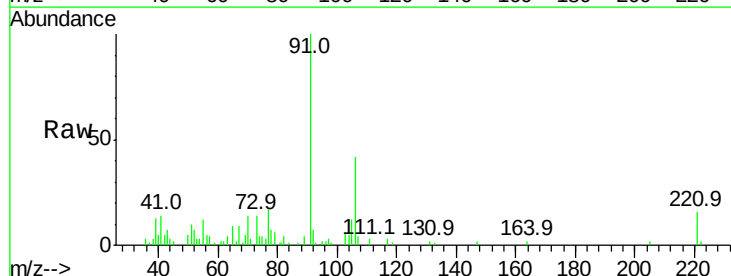
#59
m/p-Xylene
Concen: 0.12 ppbv
RT: 12.97
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
COP89
Acq: 23 Mar 2022 1:42

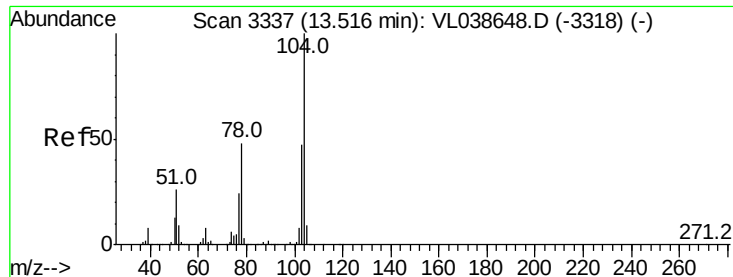
Tgt Ion: 91 Resp: 24219
Ion Ratio Lower Upper
91 100
106 0.0 37.2 55.8#



#60
o-Xylene
Concen: 0.16 ppbv
RT: 13.66 min Scan# 3383
Delta R.T. -0.02 min
Lab File: VL038700.D
Acq: 23 Mar 2022 1:42

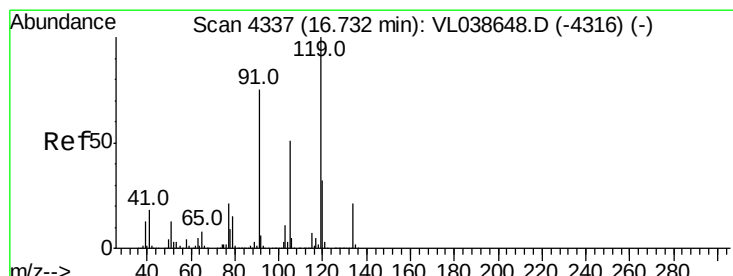
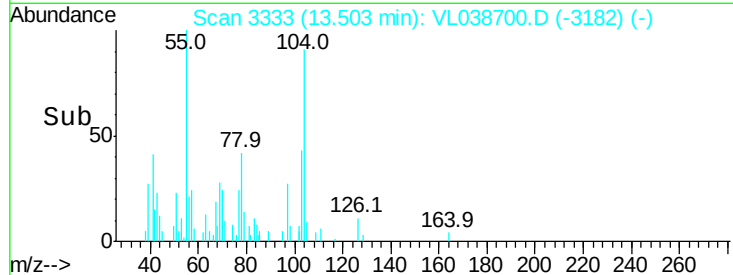
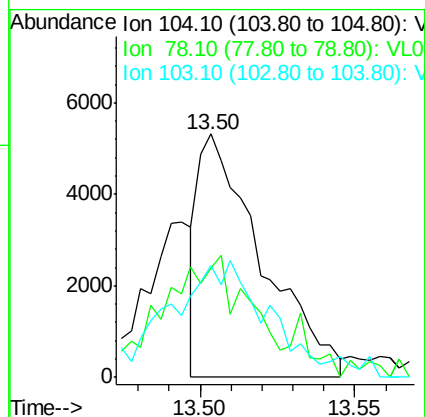
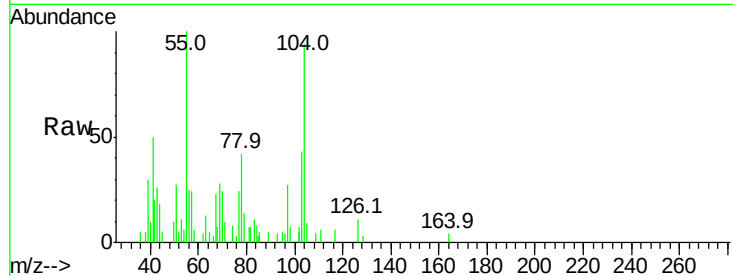
Tgt Ion: 91 Resp: 32792
Ion Ratio Lower Upper
91 100
106 48.1 23.5 70.5





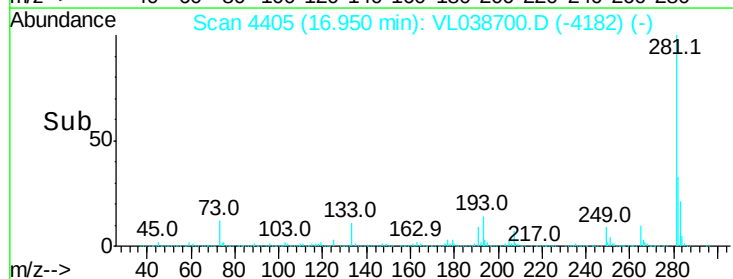
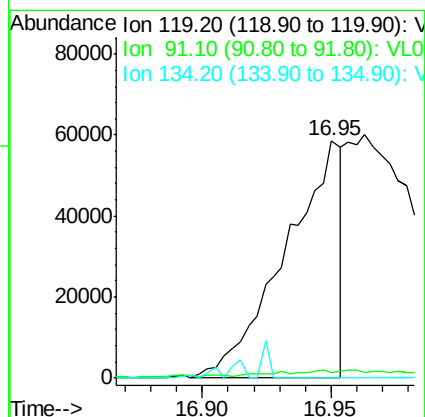
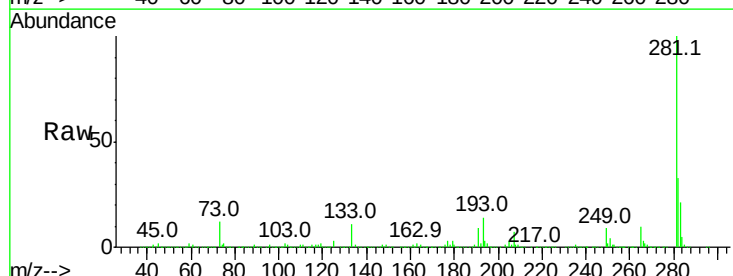
#61
Styrene
Concen: 0.07 ppbv
RT: 13.50
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 23 Mar 2022 1:42

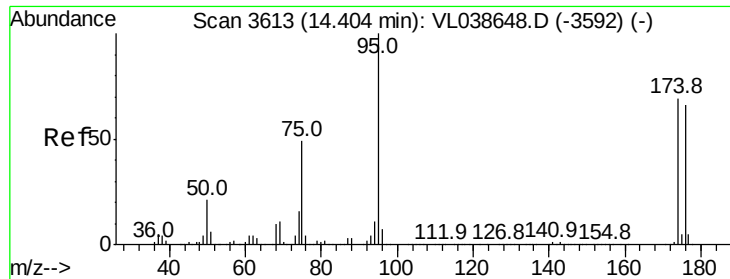
Tgt Ion:104 Resp: 7565
Ion Ratio Lower Upper
104 100
78 79.2 39.0 58.4#
103 76.9 37.8 56.8#



#65
tert-Butylbenzene
Concen: 0.33 ppbv
RT: 16.95 min Scan# 4405
Delta R.T. 0.22 min
Lab File: VL038700.D
Acq: 23 Mar 2022 1:42

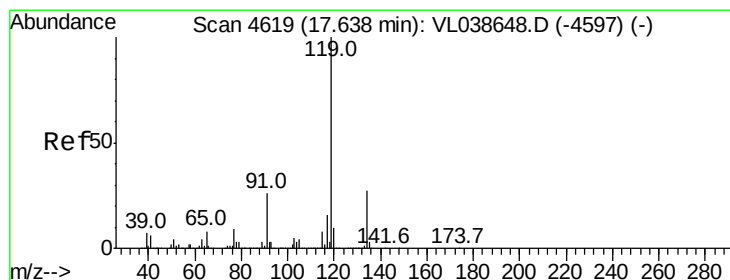
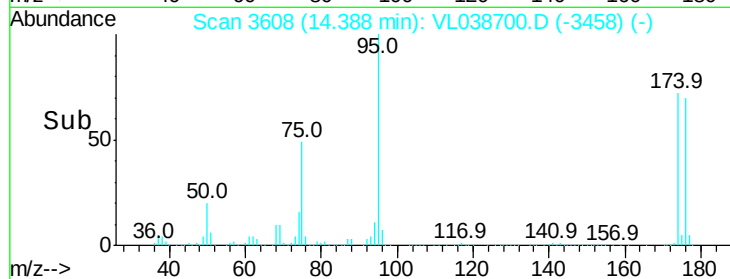
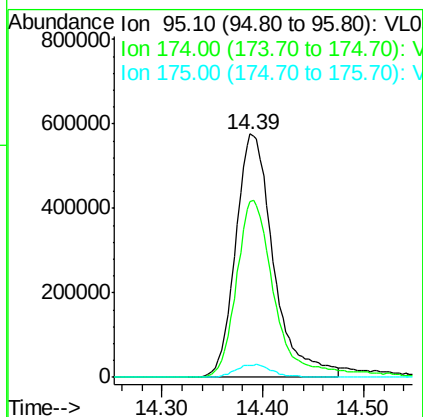
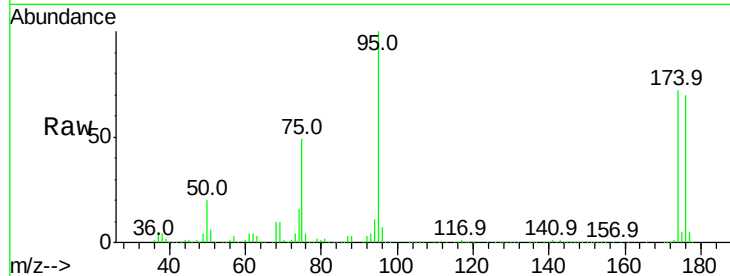
Tgt Ion:119 Resp: 88336
Ion Ratio Lower Upper
119 100
91 7.3 61.2 91.8#
134 0.0 16.3 24.5#





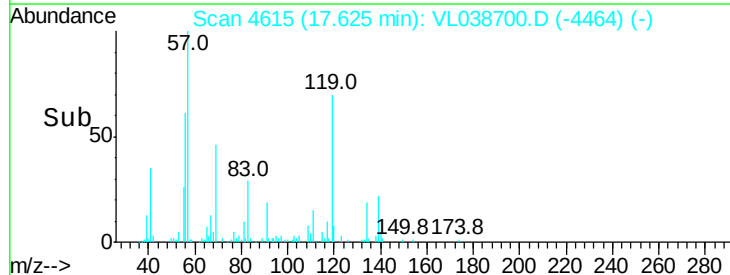
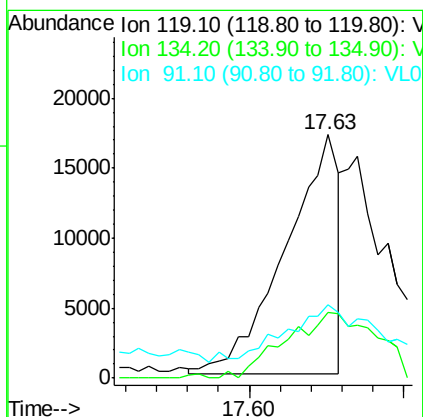
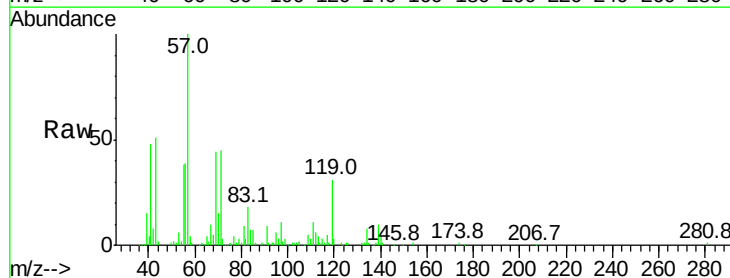
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.52 ppbv
 RT: 14.39
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 23 Mar 2022 1:42

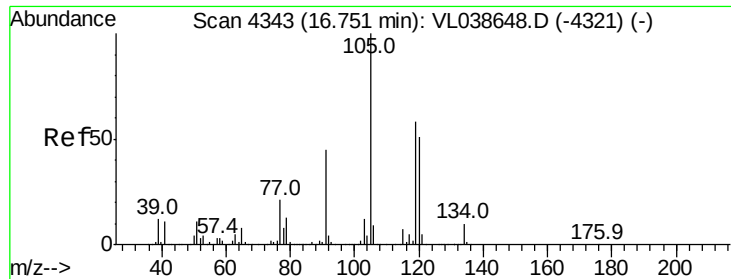
Tgt Ion: 95 Resp: 1501855
 Ion Ratio Lower Upper
 95 100
 174 75.2 56.1 84.1
 175 5.5 4.2 6.2



#69
 p-Isopropyltoluene
 Concen: 0.07 ppbv
 RT: 17.63 min Scan# 4615
 Delta R.T. -0.01 min
 Lab File: VL038700.D
 Acq: 23 Mar 2022 1:42

Tgt Ion: 119 Resp: 20535
 Ion Ratio Lower Upper
 119 100
 134 49.1 21.2 31.8#
 91 81.8 21.4 32.2#





#74

1,2,4-Trimethylbenzene

Concen: 0.07 ppbv

RT: 16.73

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 23 Mar 2022 1:42

Tgt Ion:105 Resp: 16385

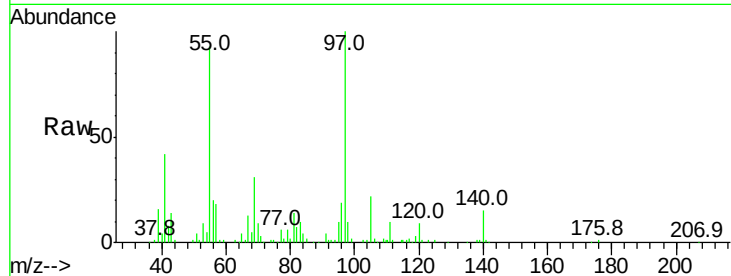
Ion Ratio Lower Upper

105 100

120 42.1 40.5 60.7

91 11.2 35.9 53.9#

77 12.1 16.6 25.0#

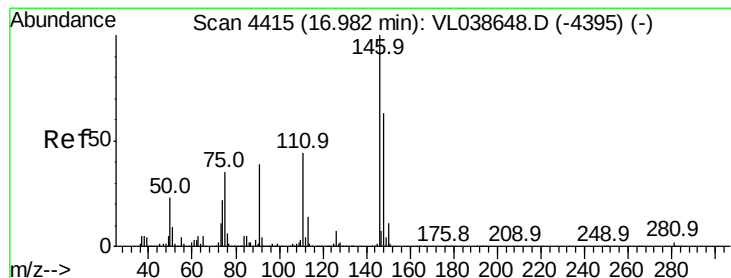
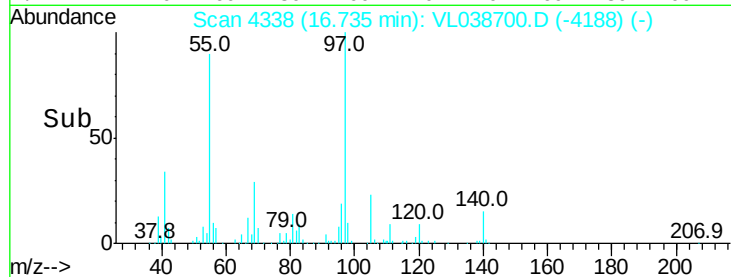
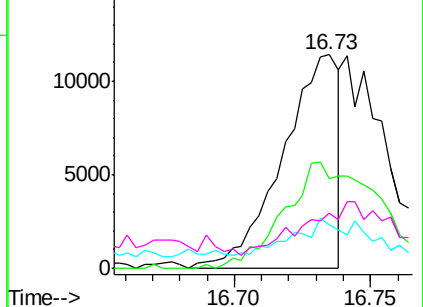


Abundance Ion 105.10 (104.80 to 105.80): V

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



#75

1,3-Dichlorobenzene

Concen: 0.13 ppbv

RT: 16.96 min Scan# 4409

Delta R.T. -0.02 min

Lab File: VL038700.D

Acq: 23 Mar 2022 1:42

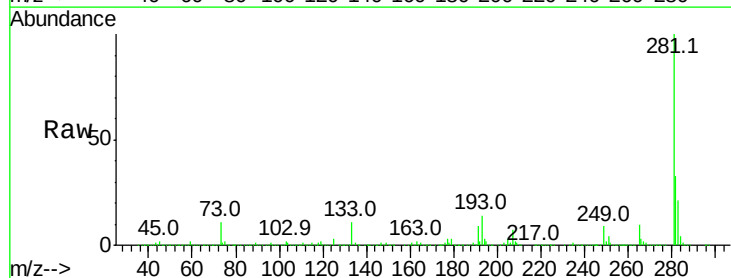
Tgt Ion:146 Resp: 18801

Ion Ratio Lower Upper

146 100

111 519.9 22.2 66.6#

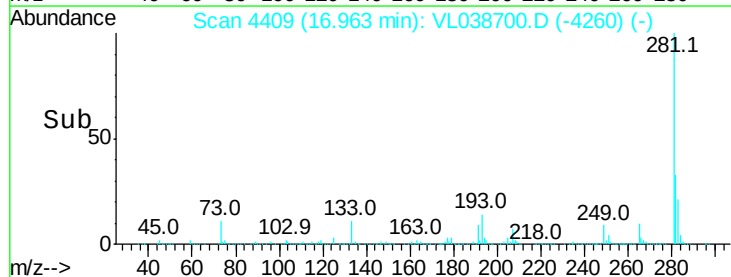
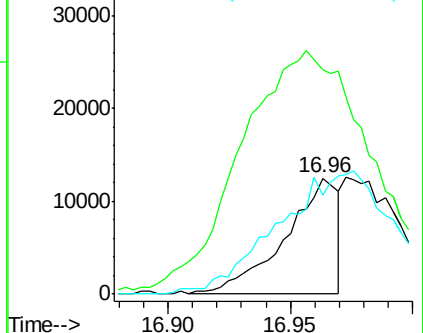
148 0.0 32.5 97.5#

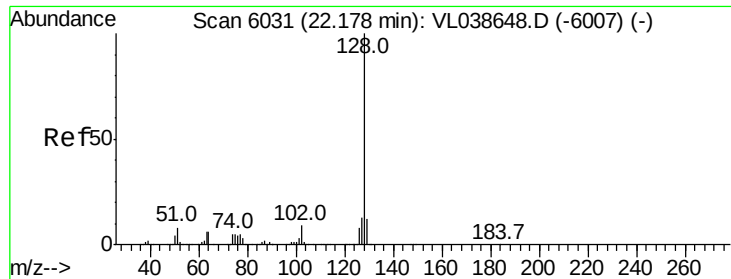


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#79

Naphthalene

Concen: 0.03 ppbv

RT: 22.16 Instrument:

Delta R.T MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Mar 2022 C0P89

Tgt Ion:128 Resp: 5224

Ion Ratio Lower Upper

128 100

127 21.7 10.2 15.4#

129 1.7 9.2 13.8#

