

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032621\
 Data File : VL036514.D
 Acq On : 26 Mar 2021 15:01
 Operator : SY/AP
 Sample : M1760-04
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 27 03:29:10 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1500869	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.21	114	3396049	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.12	117	3183465	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2471645	9.74	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.40%

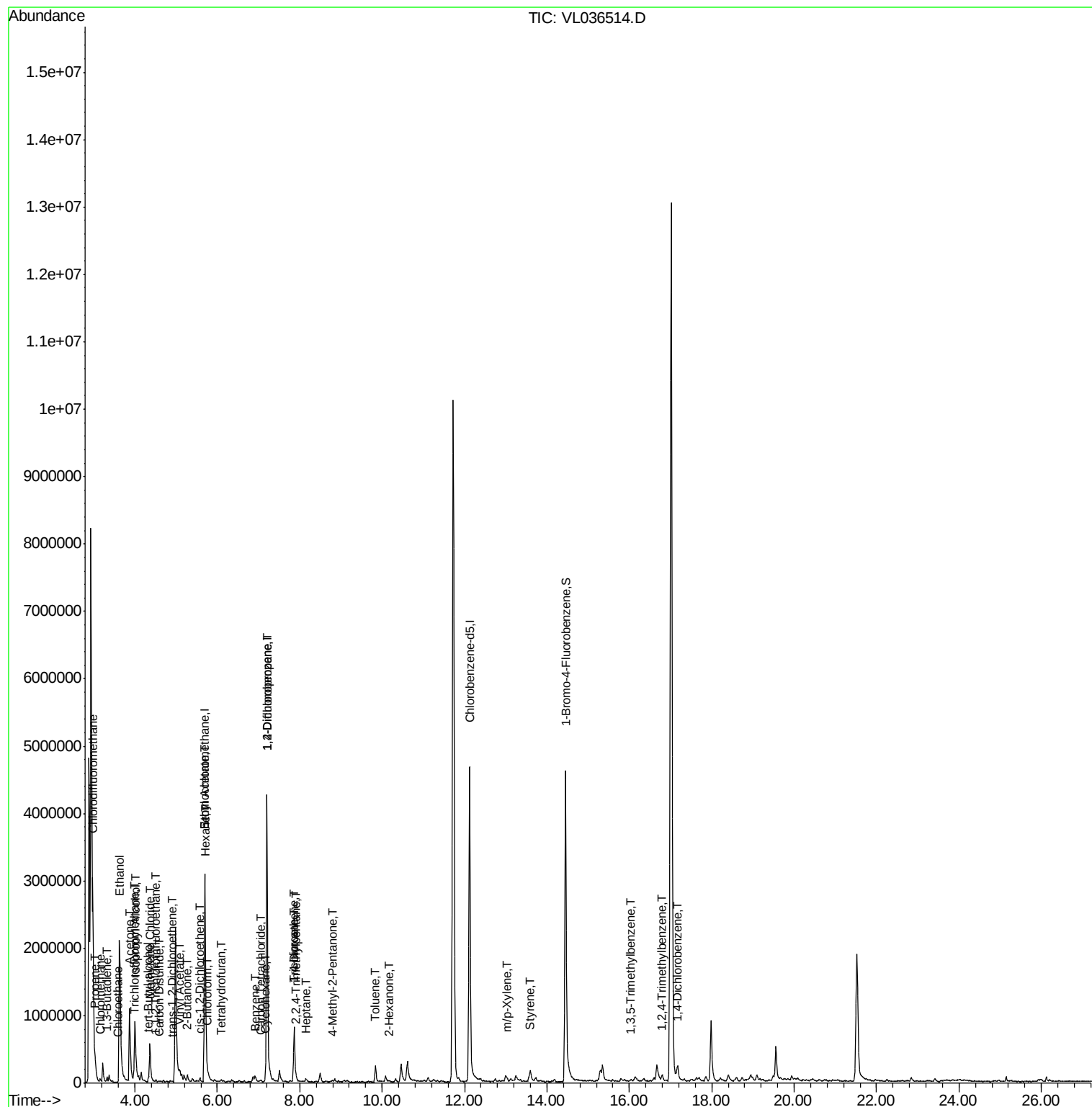
Target Compounds					Ovalue
3) Chlorodifluoromethane	2.98	51	2092407	7.462 ppbv	# 60
4) Chloromethane	3.16	50	34516	0.348 ppbv	100
7) Chloroethane	3.57	64	3001	0.086 ppbv	# 46
9) Propene	3.03	41	37663	0.421 ppbv	99
10) Heptane	8.16	43	8517	0.037 ppbv	# 28
11) Trichlorofluoromethane	3.97	101	54299	0.218 ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.51	101	9603	0.060 ppbv	# 68
13) Ethanol	3.63	45	3218401	302.323 ppbv	94
15) Acetone	3.87	43	1422548	9.630 ppbv	98
16) 1,3-Butadiene	3.32	39	31556	0.307 ppbv	# 23
17) tert-Butyl alcohol	4.32	59	26873	0.209 ppbv	# 72
19) Isopropyl Alcohol	4.00	45	1252894	15.418 ppbv	# 97
20) Methylene Chloride	4.37	84	205718	2.974 ppbv	95
22) trans-1,2-Dichloroethene	4.91	96	1558	0.024 ppbv	# 77
23) Vinyl Acetate	5.09	43	32893	0.130 ppbv	# 92
25) Ethyl Acetate	5.70	43	781710	2.226 ppbv	# 95
26) Hexane	5.71	57	199547	1.224 ppbv	# 25
27) Carbon Disulfide	4.58	76	7430	0.046 ppbv	# 47
29) Chloroform	5.77	83	17722	0.068 ppbv	94
30) Cyclohexane	7.16	84	2775	0.021 ppbv	# 1
31) cis-1,2-Dichloroethene	5.57	61	12196	0.077 ppbv	91
34) 2-Butanone	5.27	43	127838	0.771 ppbv	97
35) Carbon Tetrachloride	7.05	117	7492	0.029 ppbv	# 55
36) Benzene	6.92	78	62256	0.199 ppbv	# 89
38) Trichloroethene	7.87	130	249760	2.049 ppbv	95
39) 1,2-Dichloropropane	7.20	63	528486	4.160 ppbv	# 24
40) 1,4-Dioxane	7.86	88	791	0.027 ppbv	# 1
41) Tetrahydrofuran	6.08	42	1769	0.023 ppbv	# 1
44) 2,2,4-Trimethylpentane	7.91	57	11758	0.021 ppbv	# 1
50) 4-Methyl-2-Pentanone	8.78	43	10368	0.043 ppbv	# 52
51) 2-Hexanone	10.19	43	8651	0.071 ppbv	# 30
53) Toluene	9.84	91	172754	0.518 ppbv	96
59) m/p-Xylene	13.03	91	22902	0.057 ppbv	# 32
61) Styrene	13.57	104	25868	0.132 ppbv	# 36
73) 1,3,5-Trimethylbenzene	16.04	105	9674	0.024 ppbv	# 31
74) 1,2,4-Trimethylbenzene	16.81	105	19292	0.045 ppbv	# 62
76) 1,4-Dichlorobenzene	17.18	146	38319	0.160 ppbv	# 22

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

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
QLast Update : Thu Mar 25 09:42:40 2021
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.02 min

Lab File: VL036514.D

Acq: 26 Mar 2021 15:01

Instrument :

MSVOA_L

ClientSampleId :

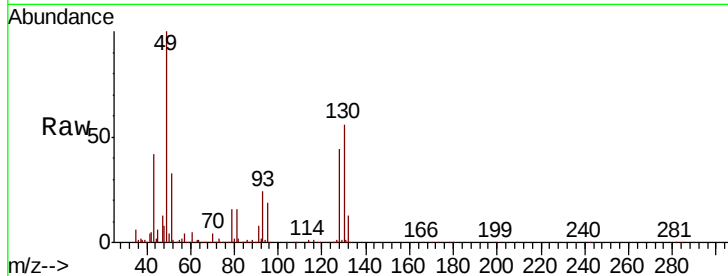
Tot Ion: 49 Resp: 1500869

Ion Ratio Lower Upper

49 100

128 44.3 23.5 70.6

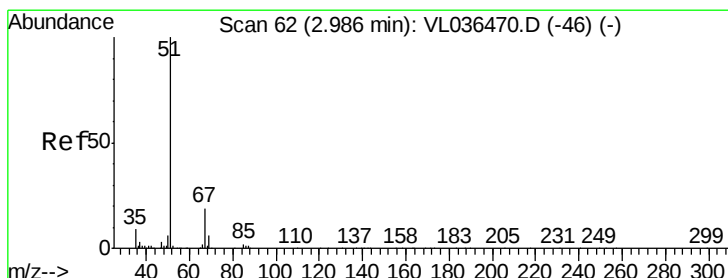
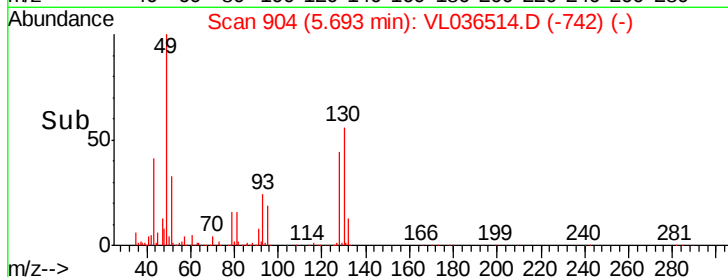
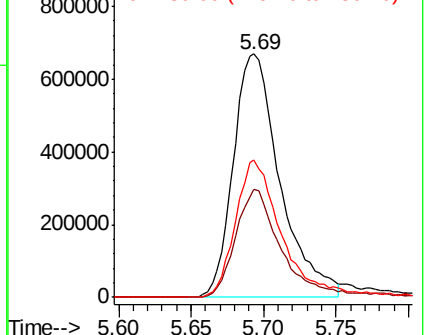
130 57.6 29.1 87.4



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



#3

Chlorodifluoromethane

Concen: 7.462 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.01 min

Lab File: VL036514.D

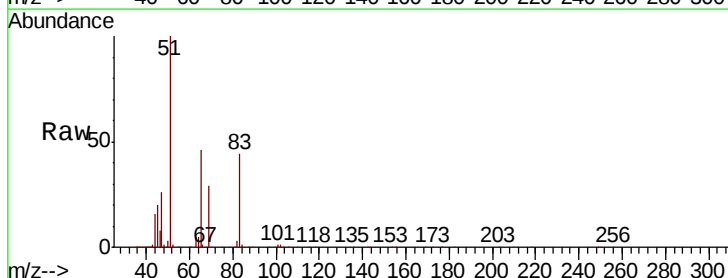
Acq: 26 Mar 2021 15:01

Tgt Ion: 51 Resp: 2092407

Ion Ratio Lower Upper

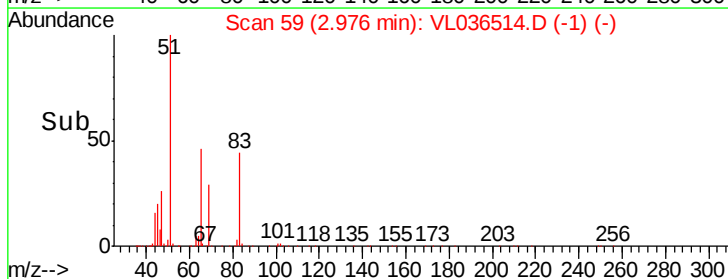
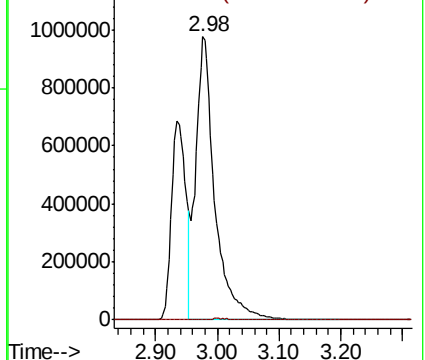
51 100

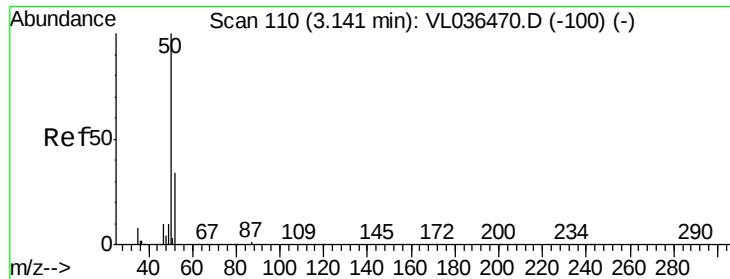
67 0.5 14.7 22.1#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.348 ppbv

RT: 3.16 min Scan# 115

Delta R.T. 0.02 min

Lab File: VL036514.D

Acq: 26 Mar 2021 15:01

Instrument :

MSVOA_L

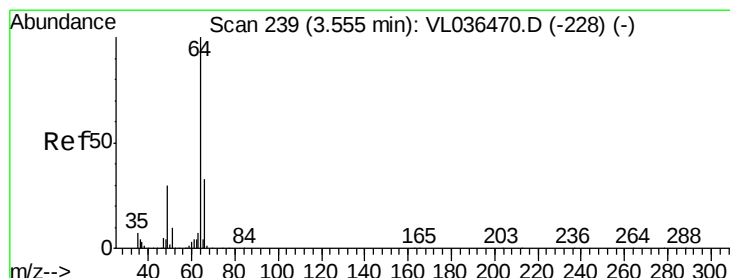
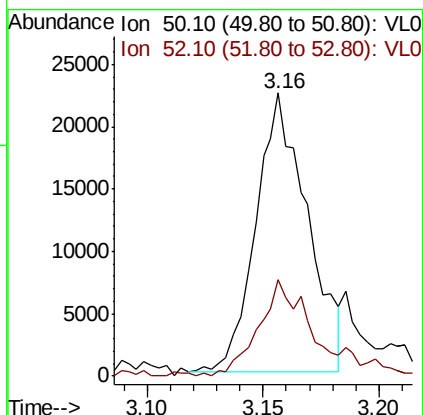
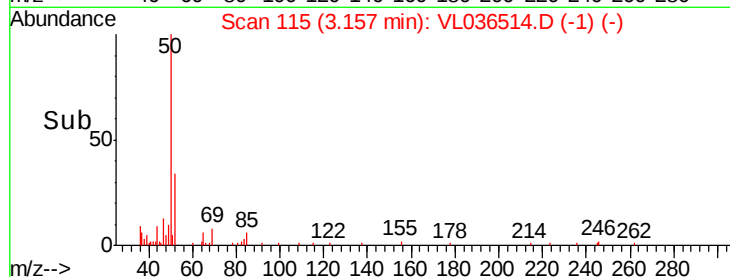
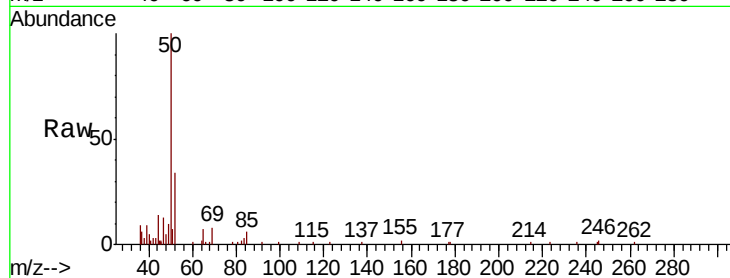
ClientSampleId :

Tot Ion: 50 Resp: 34516

Ion Ratio Lower Upper

50 100

52 33.5 27.0 40.6



#7

Chloroethane

Concen: 0.086 ppbv

RT: 3.57 min Scan# 245

Delta R.T. 0.02 min

Lab File: VL036514.D

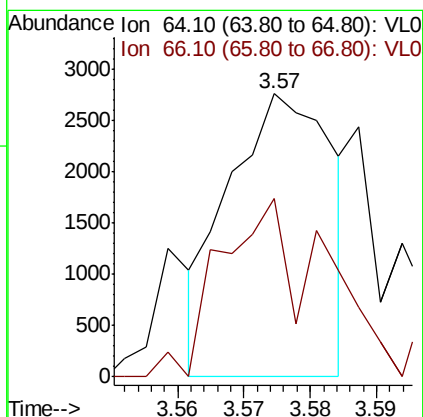
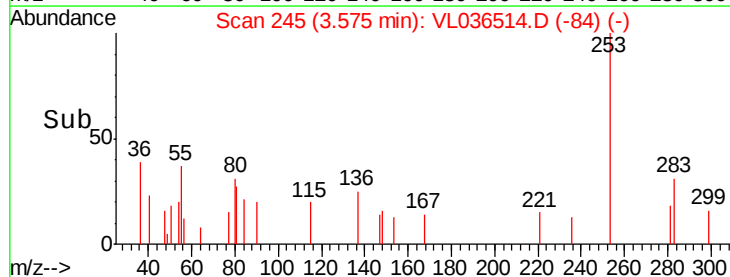
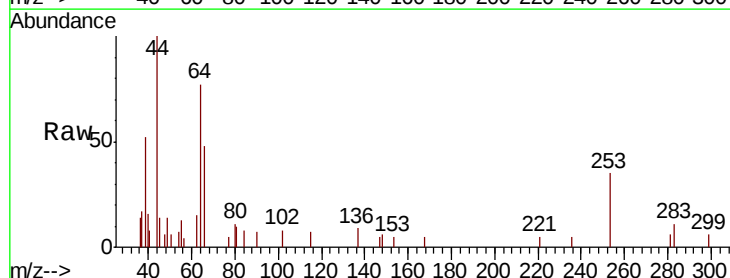
Acq: 26 Mar 2021 15:01

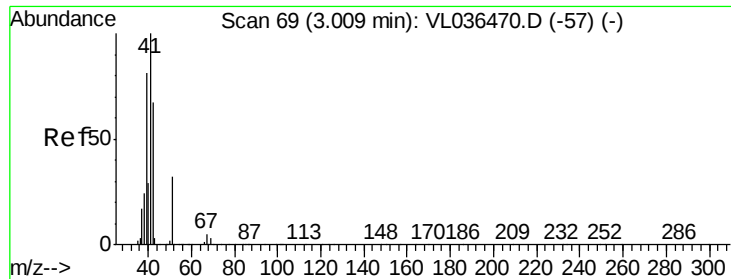
Tgt Ion: 64 Resp: 3001

Ion Ratio Lower Upper

64 100

66 62.9 26.2 39.2#





#9

Propene

Concen: 0.421 ppbv

RT: 3.03 min Scan# 76

Delta R.T. 0.02 min

Lab File: VL036514.D

Acq: 26 Mar 2021 15:01

Instrument :

MSVOA_L

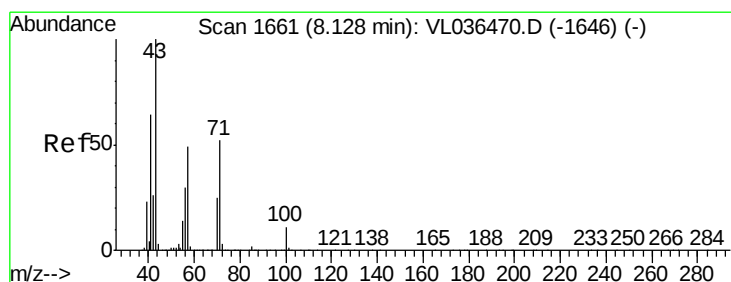
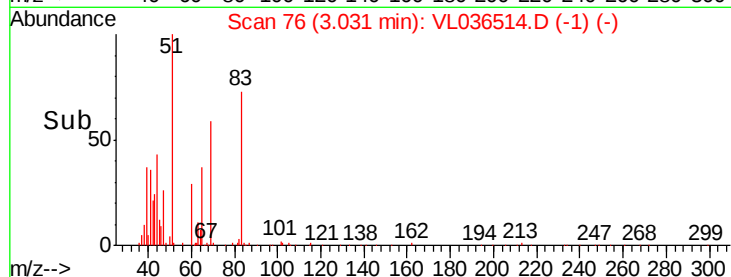
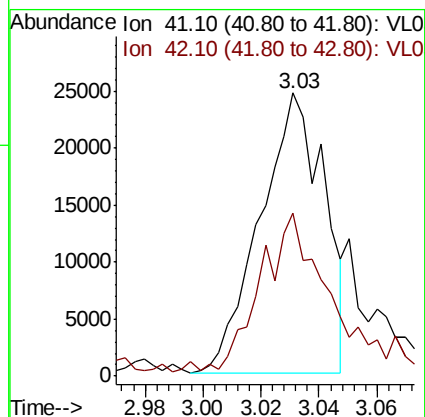
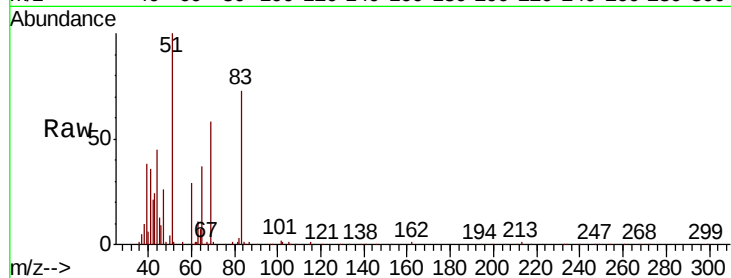
ClientSampleId :

Tot Ion: 41 Resp: 37663

Ion Ratio Lower Upper

41 100

42 71.8 57.0 85.4



#10

Heptane

Concen: 0.037 ppbv

RT: 8.16 min Scan# 1671

Delta R.T. 0.03 min

Lab File: VL036514.D

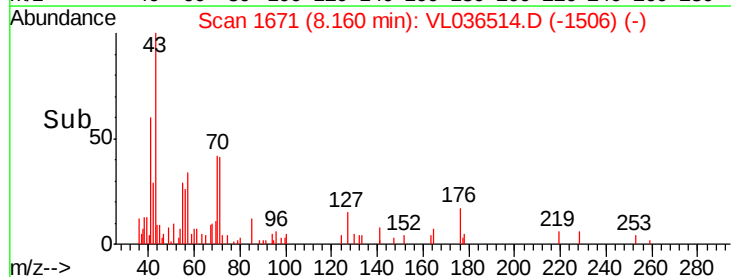
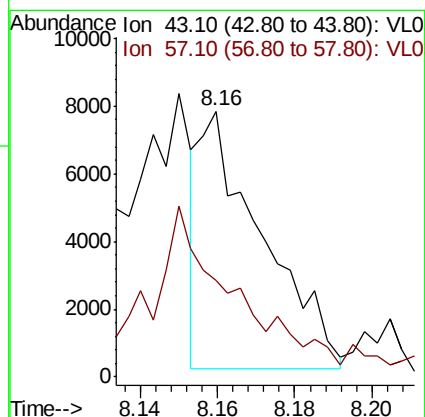
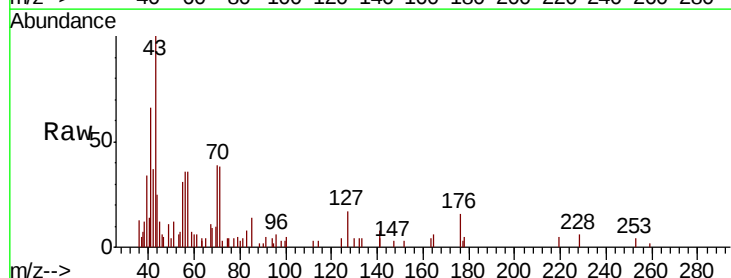
Acq: 26 Mar 2021 15:01

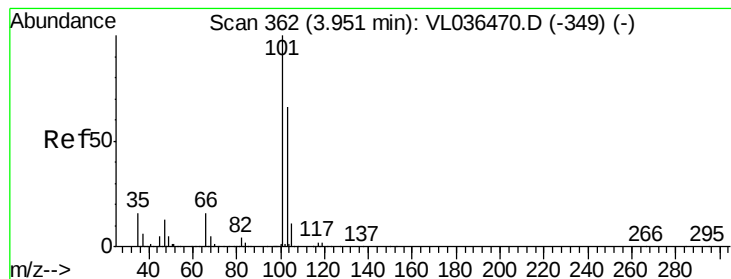
Tgt Ion: 43 Resp: 8517

Ion Ratio Lower Upper

43 100

57 0.0 39.0 58.6#





#11

Trichlorofluoromethane

Concen: 0.218 ppbv

RT: 3.97 min Scan# 368

Delta R.T. 0.02 min

Lab File: VL036514.D

Acq: 26 Mar 2021 15:01

Instrument :

MSVOA_L

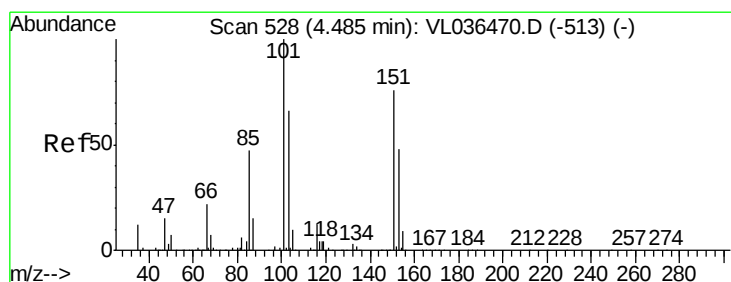
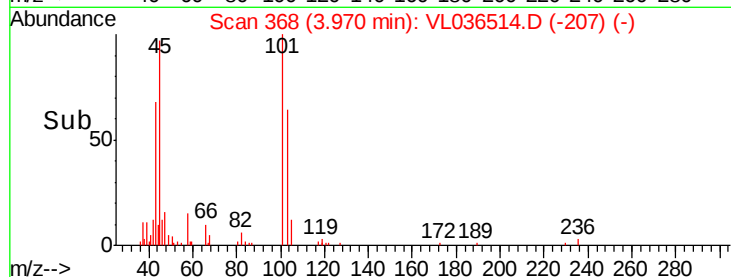
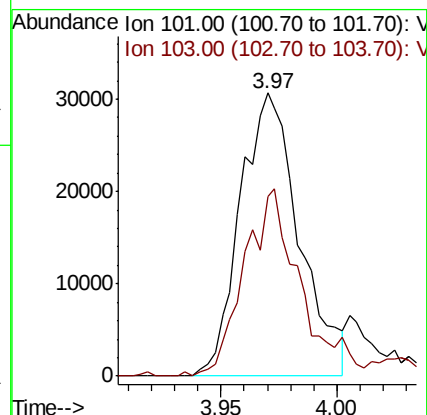
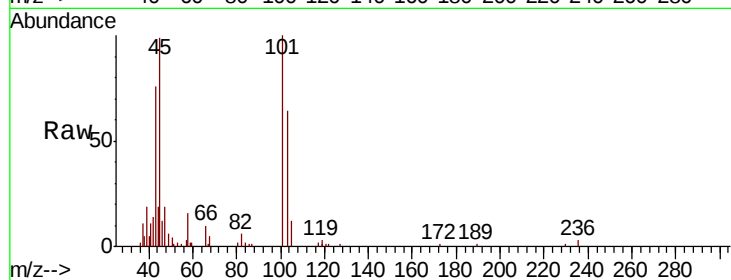
ClientSampleId :

Tot Ion:101 Resp: 54299

Ion Ratio Lower Upper

101 100

103 63.5 52.5 78.7



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.060 ppbv

RT: 4.51 min Scan# 536

Delta R.T. 0.03 min

Lab File: VL036514.D

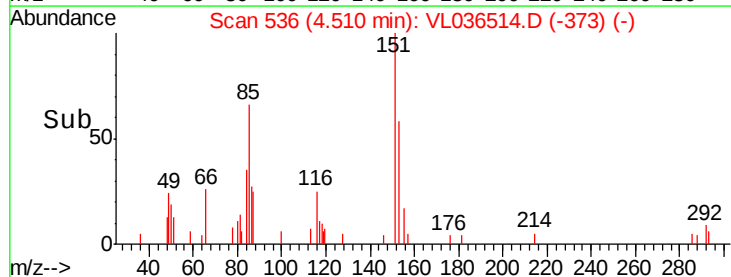
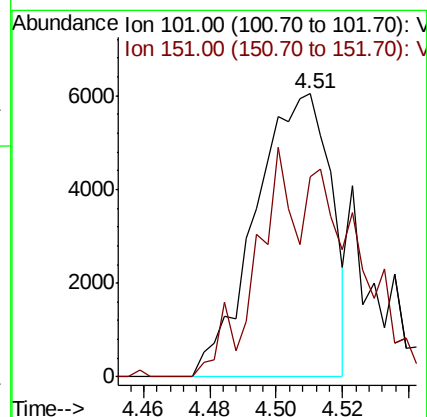
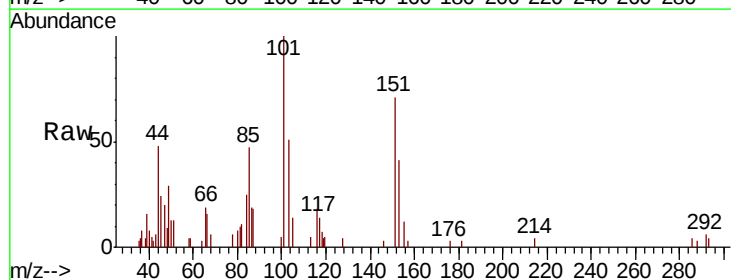
Acq: 26 Mar 2021 15:01

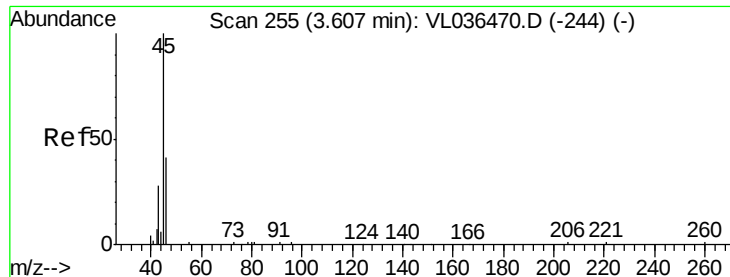
Tgt Ion:101 Resp: 9603

Ion Ratio Lower Upper

101 100

151 103.6 60.9 91.3#





#13

Ethanol

Concen: 302.323 ppbv

RT: 3.63 min Scan# 261

Delta R.T. 0.02 min

Lab File: VL036514.D

Acq: 26 Mar 2021 15:01

Instrument :

MSVOA_L

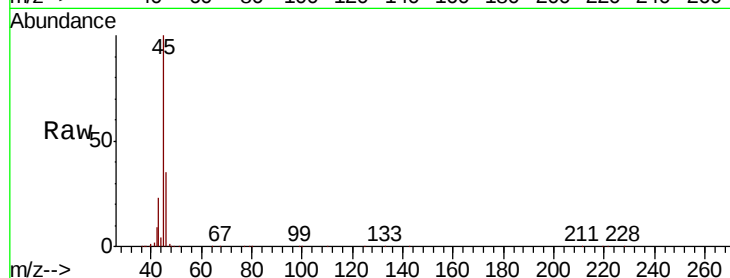
ClientSampleId :

Tot Ion: 45 Resp: 3218401

Ion Ratio Lower Upper

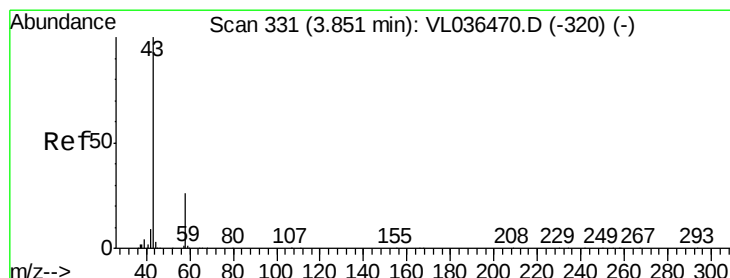
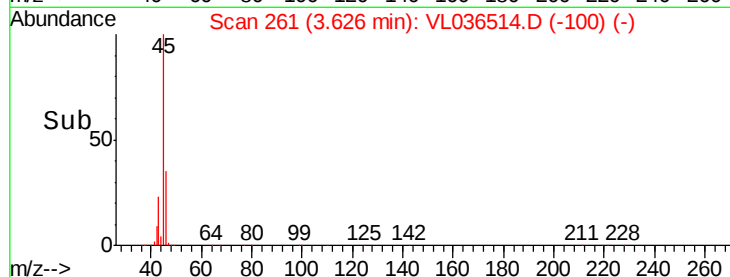
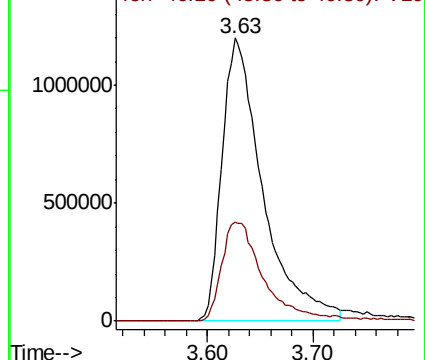
45 100

46 37.4 16.6 66.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#15

Acetone

Concen: 9.630 ppbv

RT: 3.87 min Scan# 337

Delta R.T. 0.02 min

Lab File: VL036514.D

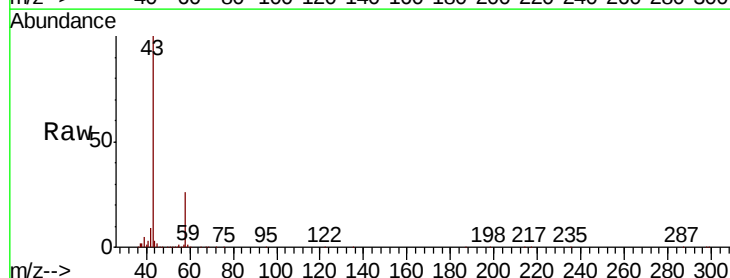
Acq: 26 Mar 2021 15:01

Tgt Ion: 43 Resp: 1422548

Ion Ratio Lower Upper

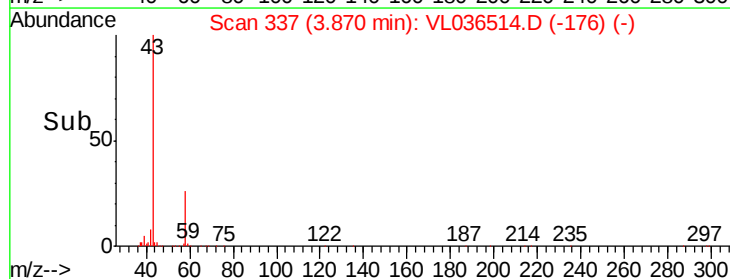
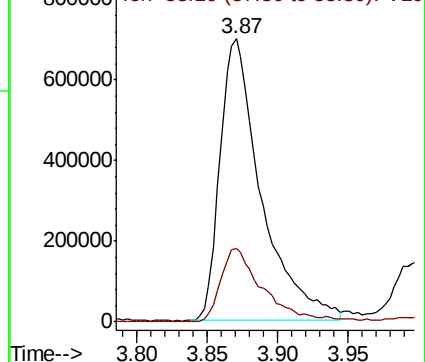
43 100

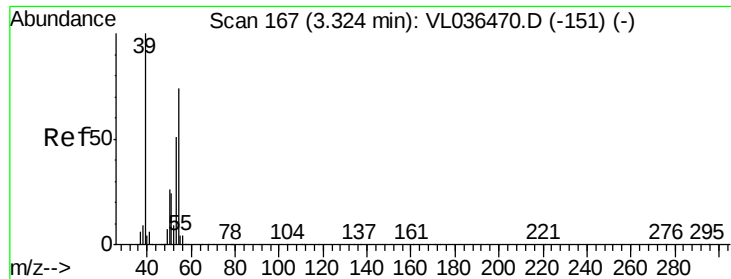
58 27.4 21.2 31.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

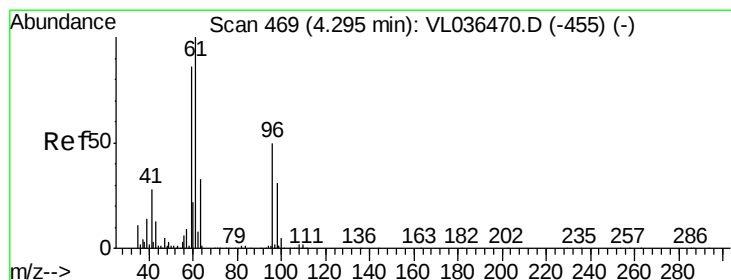
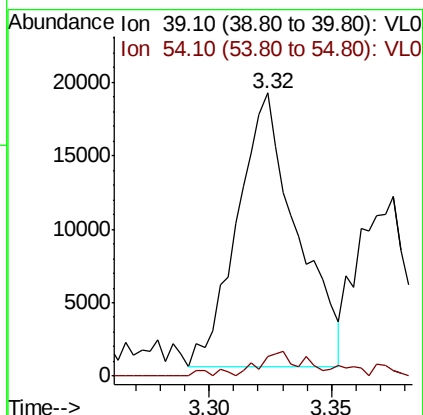
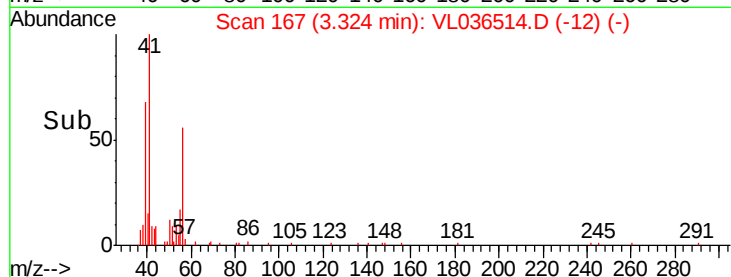
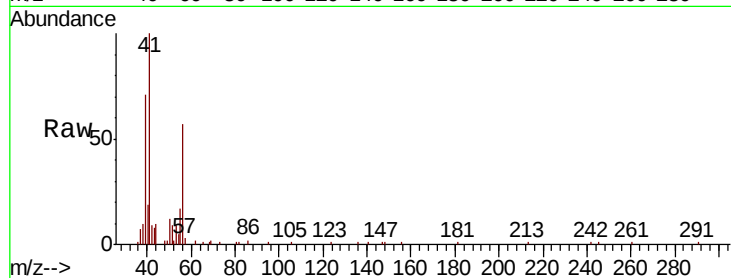




#16
1,3-Butadiene
Concen: 0.307 ppbv
RT: 3.32 min Scan# 167
Delta R.T. -0.00 min
Lab File: VL036514.D
Acq: 26 Mar 2021 15:01

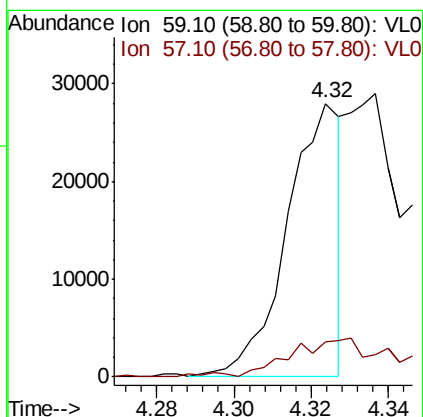
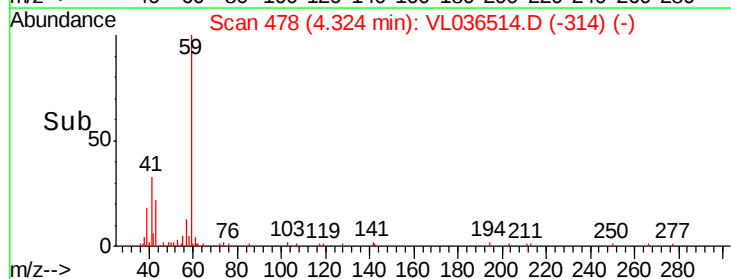
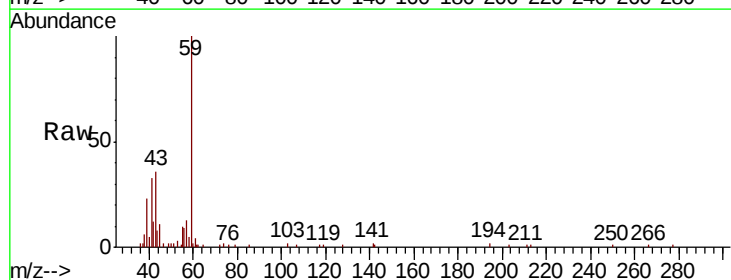
Instrument :
MSVOA_L
ClientSampled :

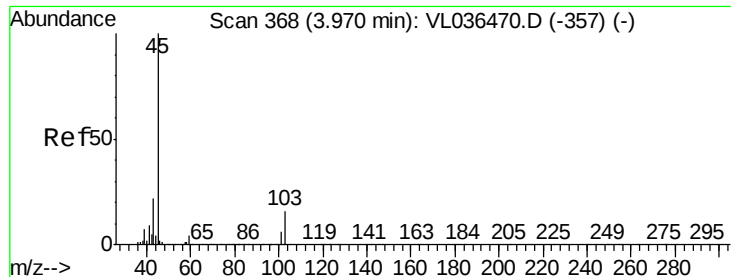
Tot Ion: 39 Resp: 31556
Ion Ratio Lower Upper
39 100
54 9.0 58.8 88.2#



#17
tert-Butyl alcohol
Concen: 0.209 ppbv
RT: 4.32 min Scan# 478
Delta R.T. 0.03 min
Lab File: VL036514.D
Acq: 26 Mar 2021 15:01

Tgt Ion: 59 Resp: 26873
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



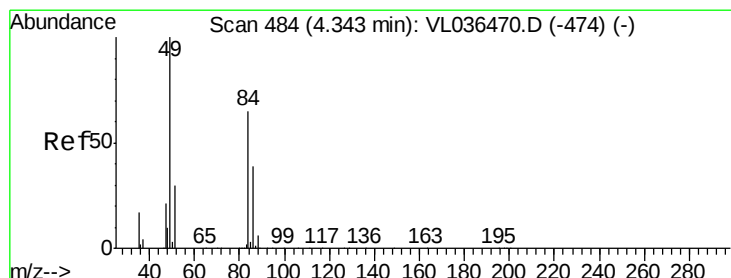
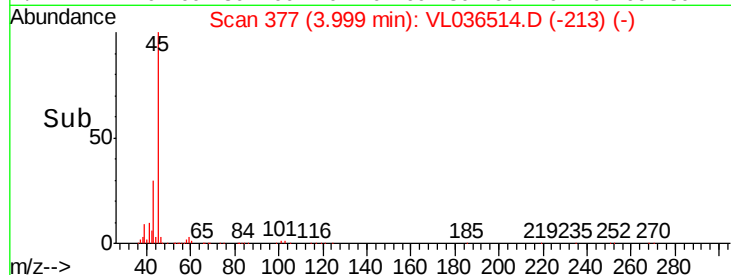
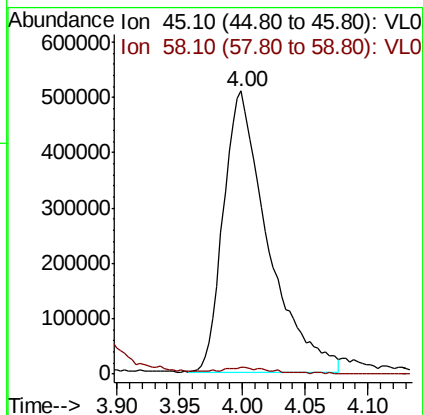
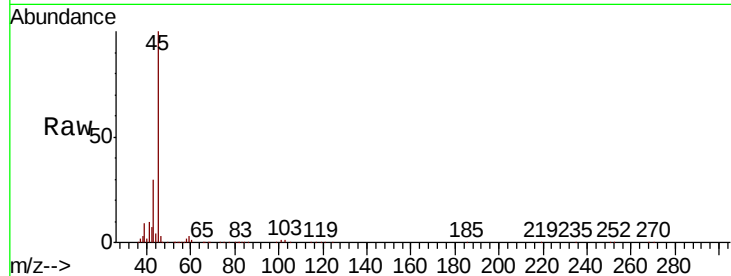


#19

Isopropyl Alcohol
 Concen: 15.418 ppbv
 RT: 4.00 min Scan# 377
 Delta R.T. 0.03 min
 Lab File: VL036514.D
 Acq: 26 Mar 2021 15:01

Instrument :
 MSVOA_L
 ClientSampled :

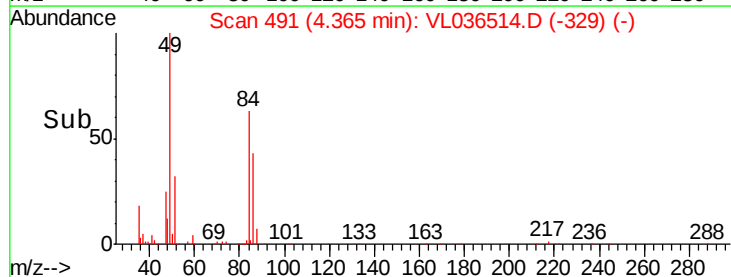
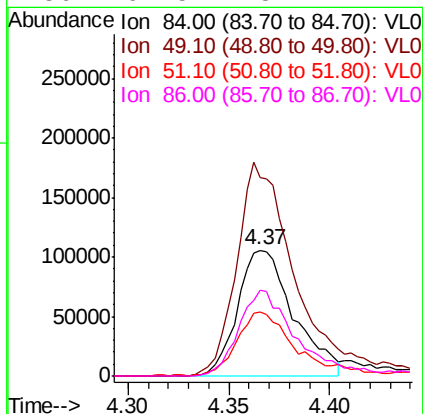
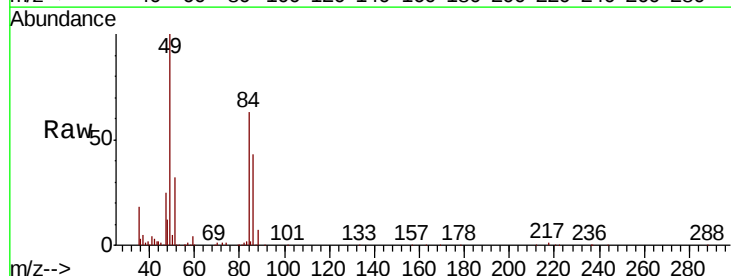
Tot Ion: 45 Resp: 1252894
 Ion Ratio Lower Upper
 45 100
 58 2.5 2.9 4.3#

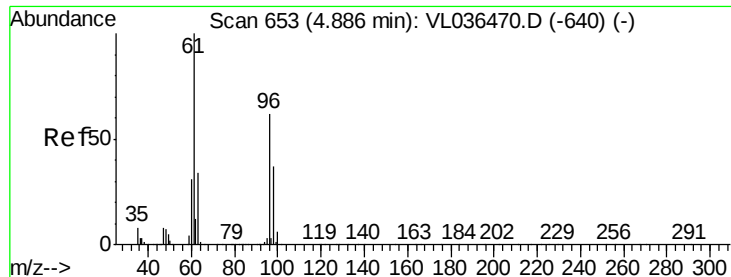


#20

Methylene Chloride
 Concen: 2.974 ppbv
 RT: 4.37 min Scan# 491
 Delta R.T. 0.02 min
 Lab File: VL036514.D
 Acq: 26 Mar 2021 15:01

Tgt Ion: 84 Resp: 205718
 Ion Ratio Lower Upper
 84 100
 49 157.7 122.9 184.3
 51 50.3 36.9 55.3
 86 67.5 48.2 72.4





#22

trans-1,2-Dichloroethene

Concen: 0.024 ppbv

RT: 4.91 min Scan# 659

Delta R.T. 0.02 min

Lab File: VL036514.D

Acq: 26 Mar 2021 15:01

Instrument :

MSVOA_L

ClientSampleId :

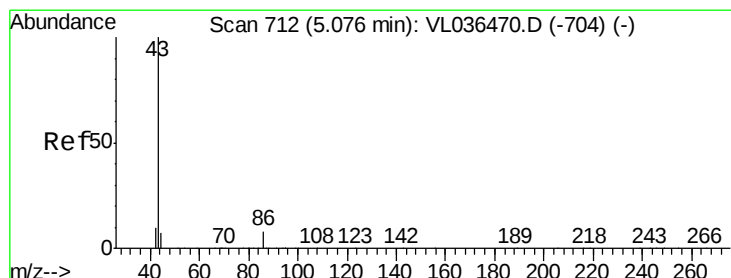
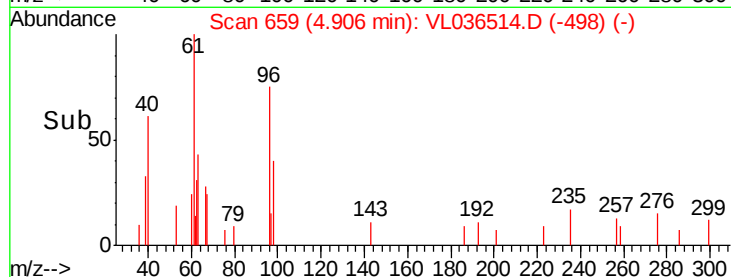
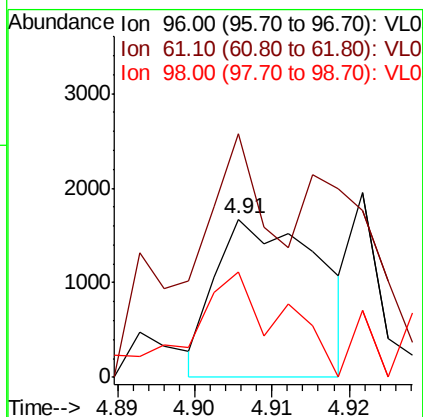
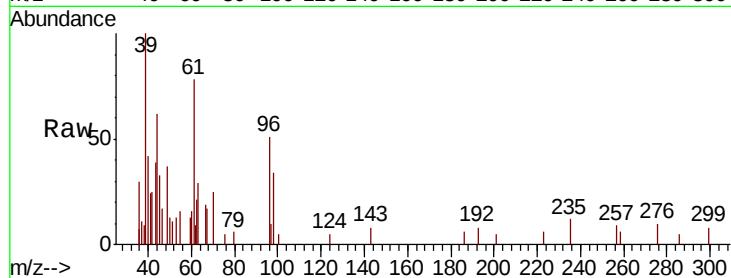
Tot Ion: 96 Resp: 1558

Ion Ratio Lower Upper

96 100

61 132.9 129.4 194.0

98 80.1 48.2 72.4#



#23

Vinyl Acetate

Concen: 0.130 ppbv

RT: 5.09 min Scan# 717

Delta R.T. 0.02 min

Lab File: VL036514.D

Acq: 26 Mar 2021 15:01

Tgt Ion: 43 Resp: 32893

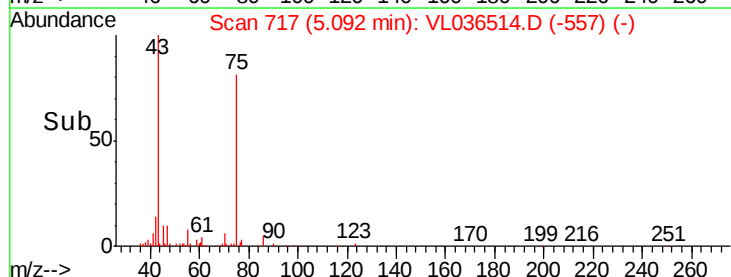
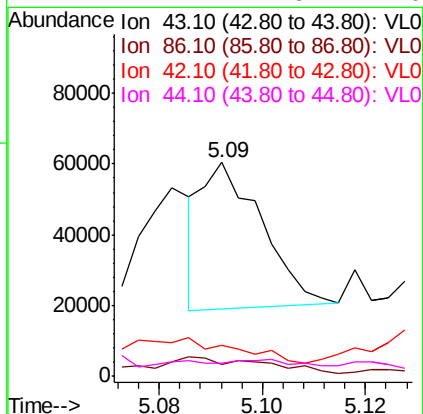
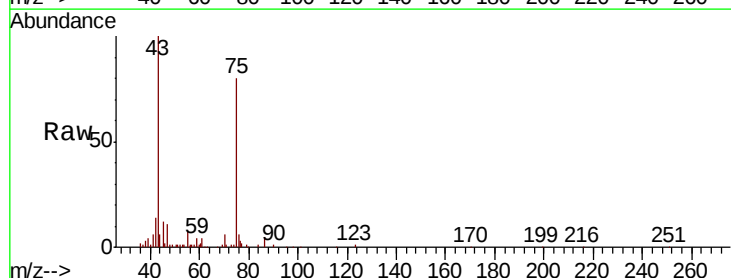
Ion Ratio Lower Upper

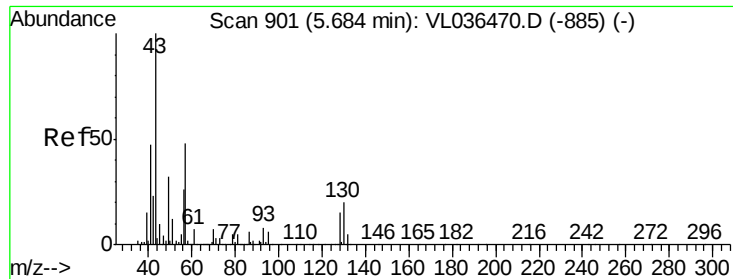
43 100

86 5.8 5.4 8.0

42 7.0 8.5 12.7#

44 2.2 4.6 7.0#

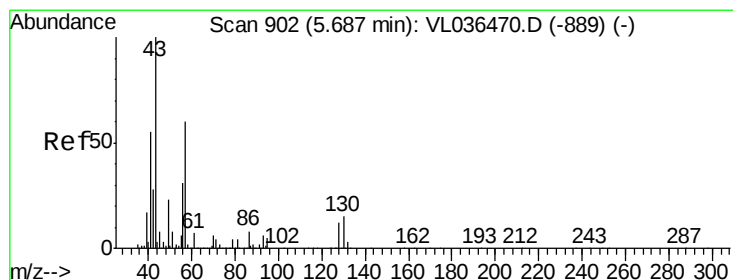
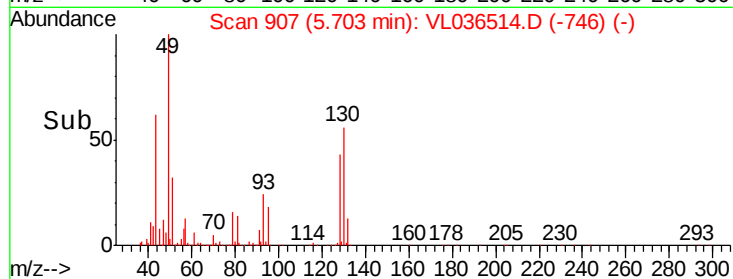
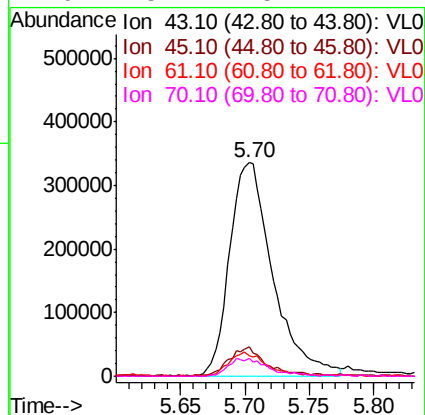
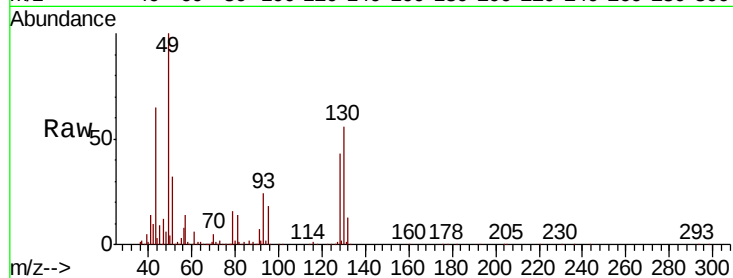




#25
Ethyl Acetate
Concen: 2.226 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.02 min
Lab File: VL036514.D
Acq: 26 Mar 2021 15:01

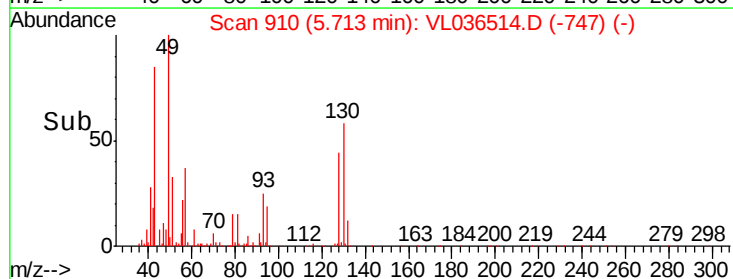
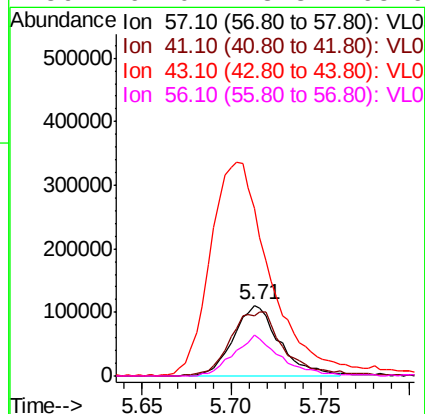
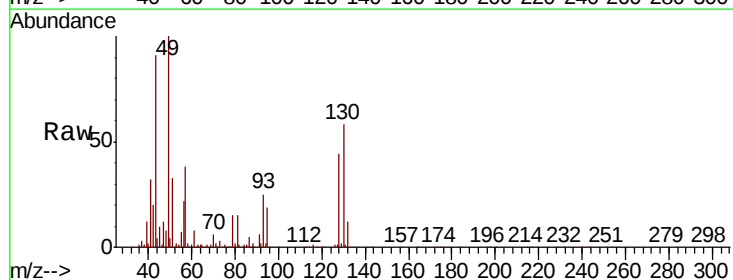
Instrument :
MSVOA_L
ClientSampleId :

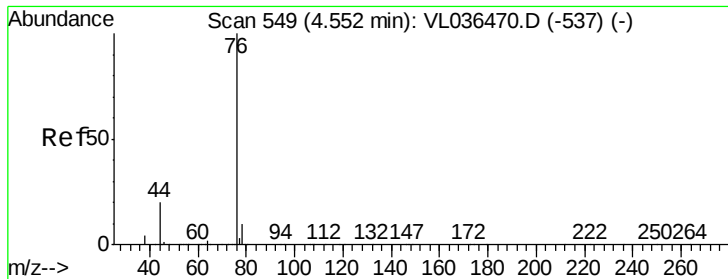
Tot Ion:	43	Resp:	781710
Ion	Ratio	Lower	Upper
43	100		
45	12.3	7.9	11.9#
61	10.7	7.4	11.2
70	8.1	5.1	7.7#



#26
Hexane
Concen: 1.224 ppbv
RT: 5.71 min Scan# 910
Delta R.T. 0.03 min
Lab File: VL036514.D
Acq: 26 Mar 2021 15:01

Tgt Ion:	57	Resp:	199547
Ion	Ratio	Lower	Upper
57	100		
41	107.9	77.2	115.8
43	409.2	173.8	260.6#
56	61.0	43.8	65.6





#27

Carbon Disulfide

Concen: 0.046 ppbv

RT: 4.58 min Scan# 557

Delta R.T. 0.03 min

Lab File: VL036514.D

Acq: 26 Mar 2021 15:01

Instrument :
MSVOA_L
ClientSampled :

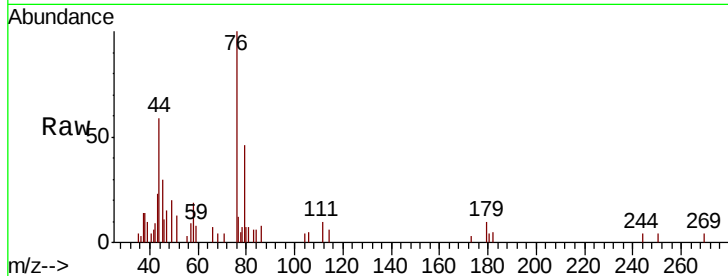
Tot Ion: 76 Resp: 7430

Ion Ratio Lower Upper

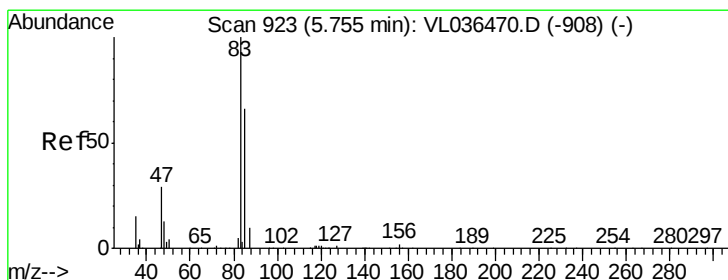
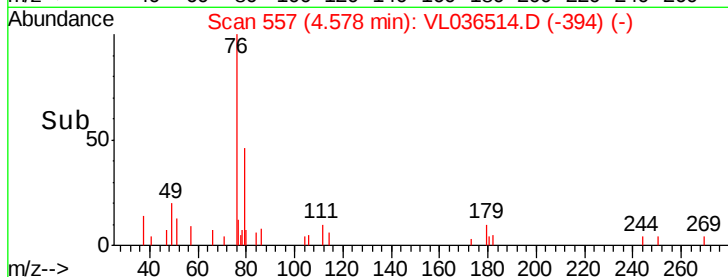
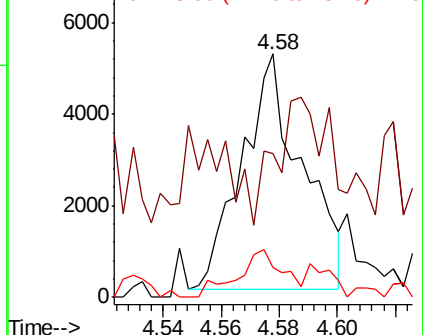
76 100

44 51.5 17.5 26.3#

78 24.0 8.6 13.0#



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: 0.068 ppbv

RT: 5.77 min Scan# 929

Delta R.T. 0.02 min

Lab File: VL036514.D

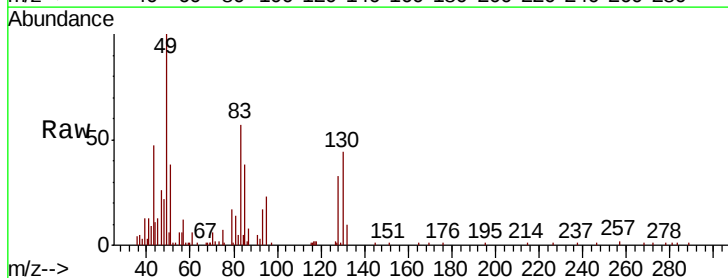
Acq: 26 Mar 2021 15:01

Tgt Ion: 83 Resp: 17722

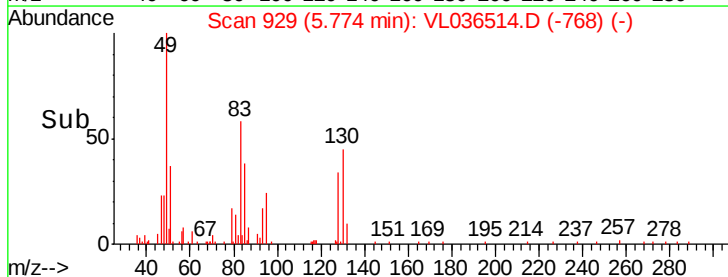
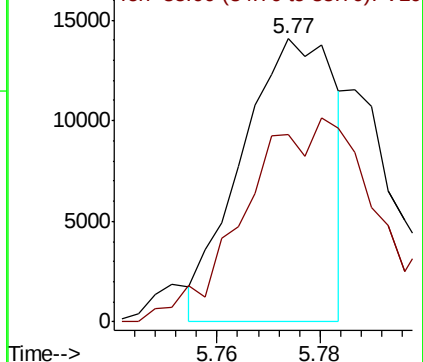
Ion Ratio Lower Upper

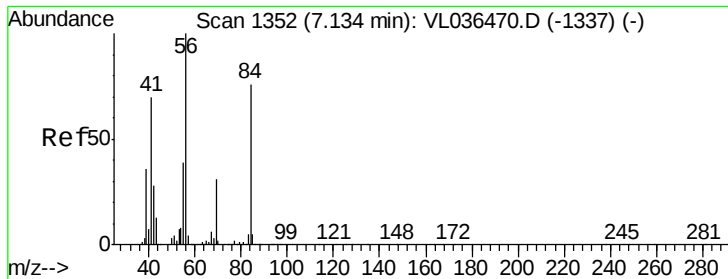
83 100

85 60.9 52.6 78.8



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0

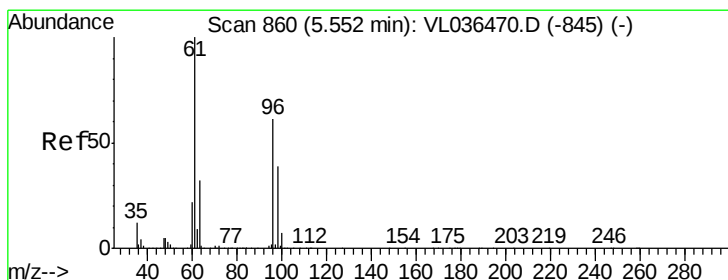
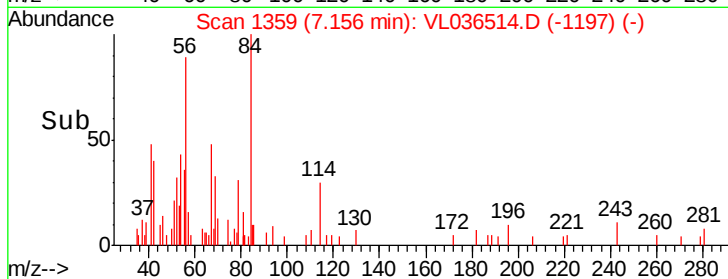
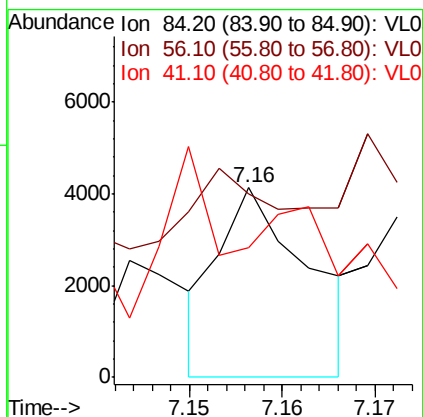
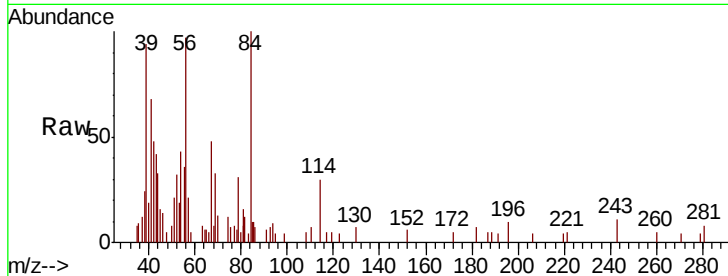




#30
Cvclohexane
Concen: 0.021 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. 0.02 min
Lab File: VL036514.D
Acq: 26 Mar 2021 15:01

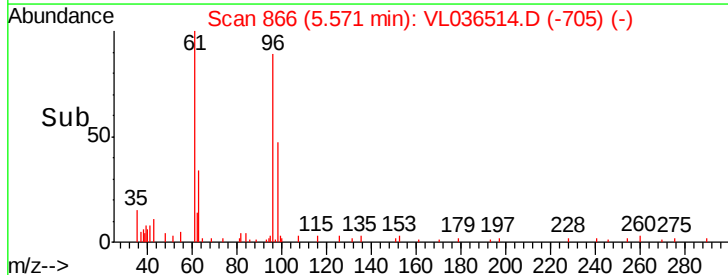
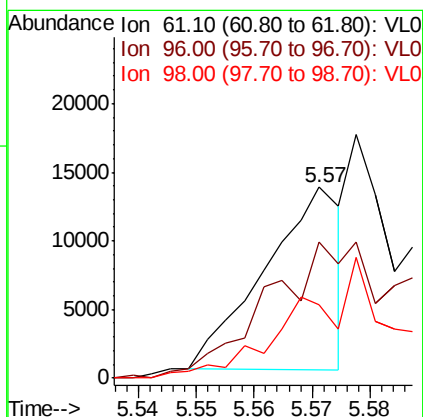
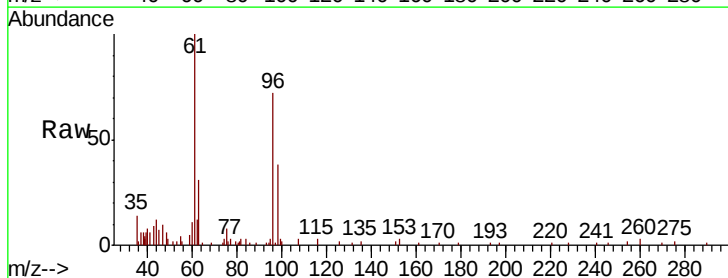
Instrument :
MSVOA_L
ClientSampleId :

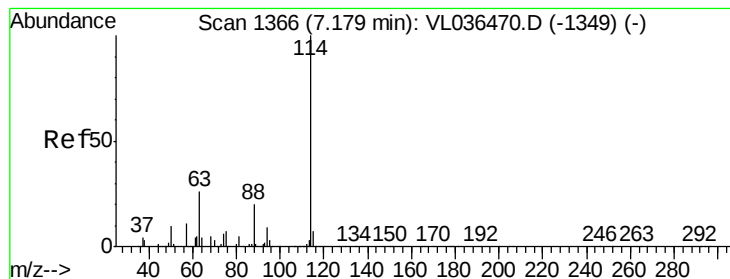
Tot Ion: 84 Resp: 2775
Ion Ratio Lower Upper
84 100
56 0.0 114.6 171.8#
41 324.3 75.3 112.9#



#31
cis-1,2-Dichloroethene
Concen: 0.077 ppbv
RT: 5.57 min Scan# 866
Delta R.T. 0.02 min
Lab File: VL036514.D
Acq: 26 Mar 2021 15:01

Tgt Ion: 61 Resp: 12196
Ion Ratio Lower Upper
61 100
96 69.7 48.7 73.1
98 36.5 31.4 47.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.21 min Scan# 1375

Delta R.T. 0.03 min

Lab File: VL036514.D

Acq: 26 Mar 2021 15:01

Instrument :

MSVOA_L

ClientSampleId :

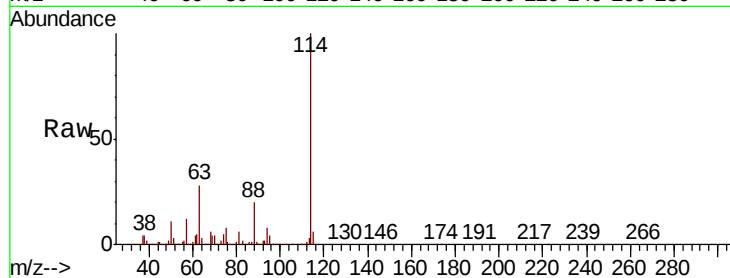
Tot Ion:114 Resp: 3396049

Ion Ratio Lower Upper

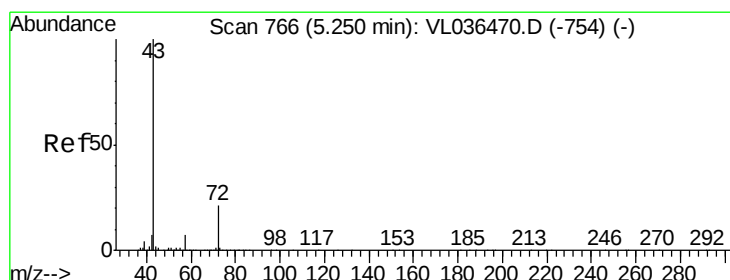
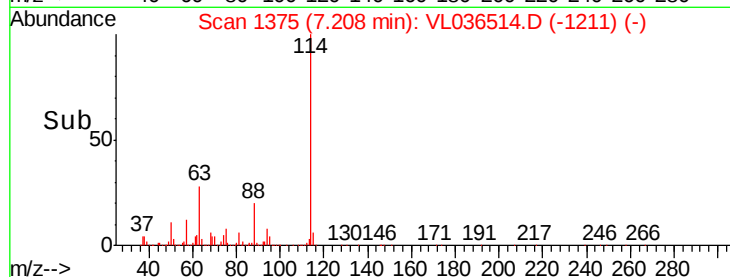
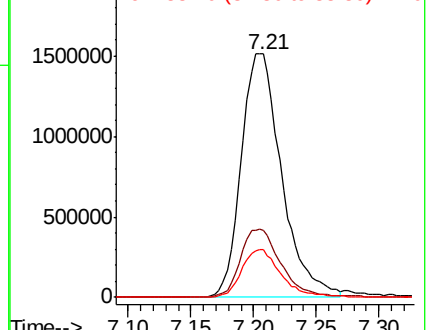
114 100

63 28.5 22.4 33.6

88 19.5 15.4 23.0



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: 0.771 ppbv

RT: 5.27 min Scan# 773

Delta R.T. 0.02 min

Lab File: VL036514.D

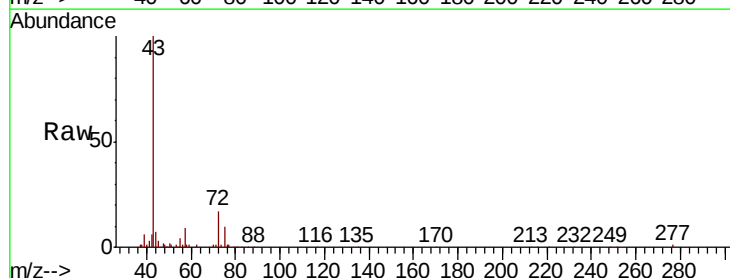
Acq: 26 Mar 2021 15:01

Tgt Ion: 43 Resp: 127838

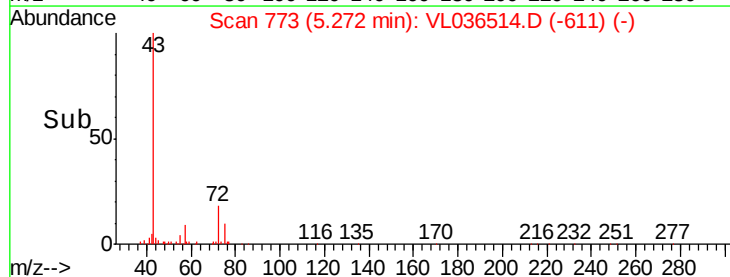
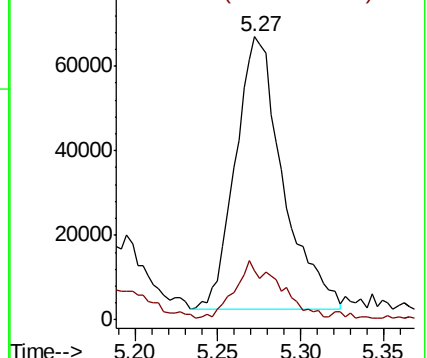
Ion Ratio Lower Upper

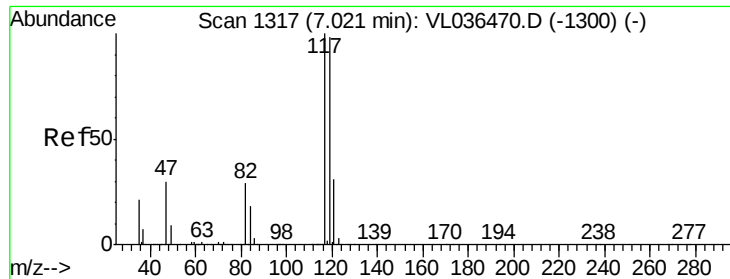
43 100

72 22.6 17.0 25.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.029 ppbv

RT: 7.05 min Scan# 1325

Delta R.T. 0.03 min

Lab File: VL036514.D

Acq: 26 Mar 2021 15:01

Instrument :

MSVOA_L

ClientSampled :

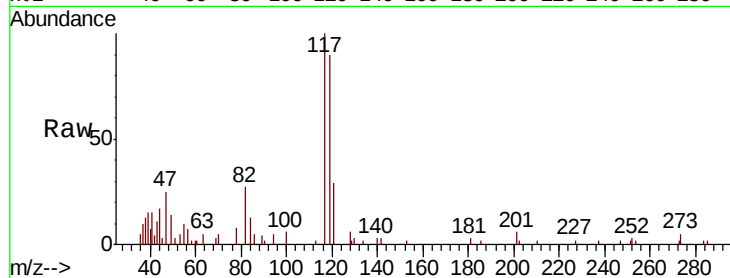
Tot Ion:117 Resp: 7492

Ion Ratio Lower Upper

117 100

119 45.9 78.2 117.2#

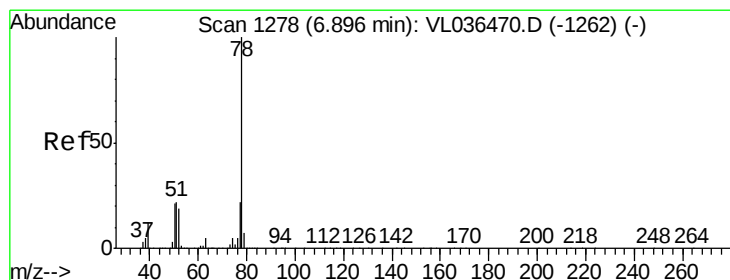
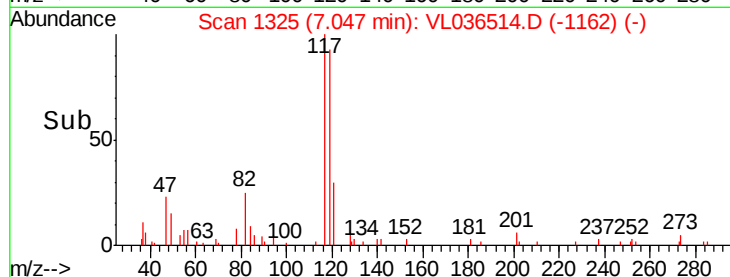
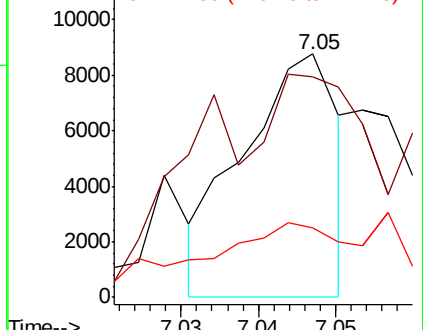
121 19.0 24.5 36.7#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.199 ppbv

RT: 6.92 min Scan# 1284

Delta R.T. 0.02 min

Lab File: VL036514.D

Acq: 26 Mar 2021 15:01

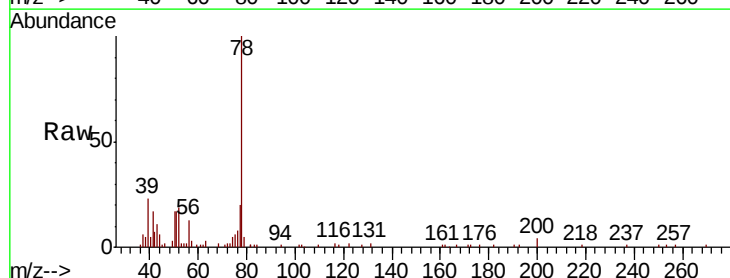
Tgt Ion: 78 Resp: 62256

Ion Ratio Lower Upper

78 100

77 18.6 18.0 27.0

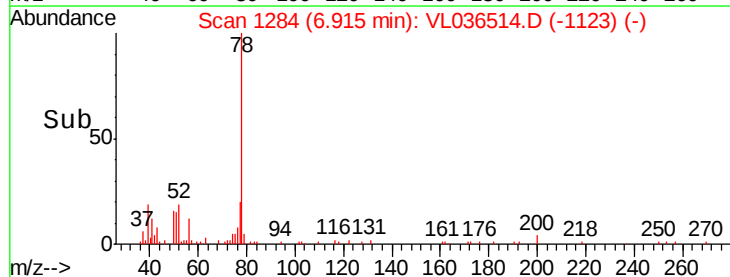
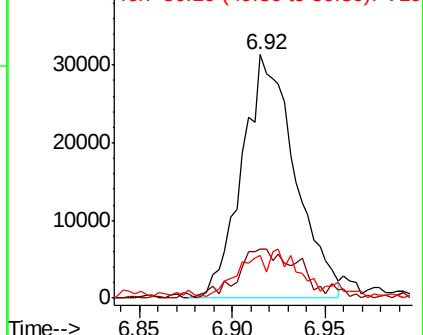
50 14.2 16.5 24.7#

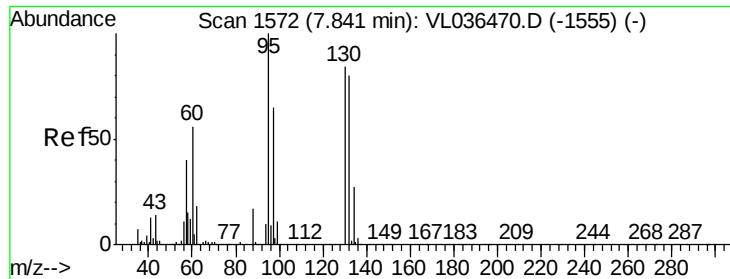


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#38

Trichloroethene

Concen: 2.049 ppbv

RT: 7.87 min Scan# 1580

Delta R.T. 0.03 min

Lab File: VL036514.D

Acq: 26 Mar 2021 15:01

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:130 Resp: 249760

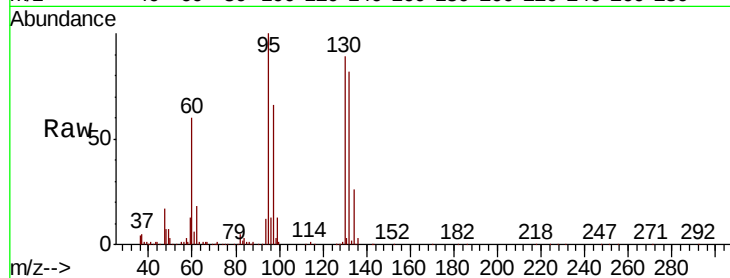
Ion Ratio Lower Upper

130 100

95 111.8 95.7 143.5

132 91.1 76.2 114.4

97 73.5 61.8 92.6

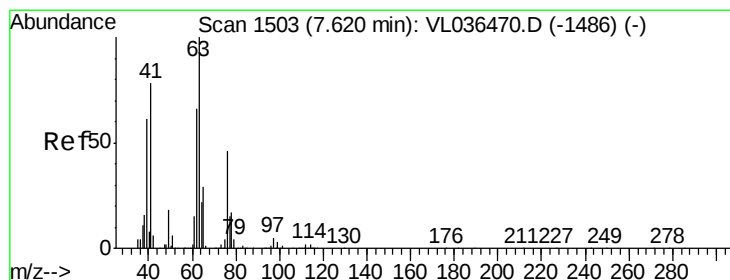
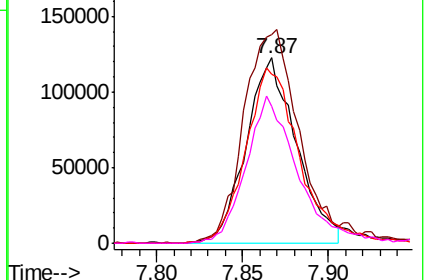
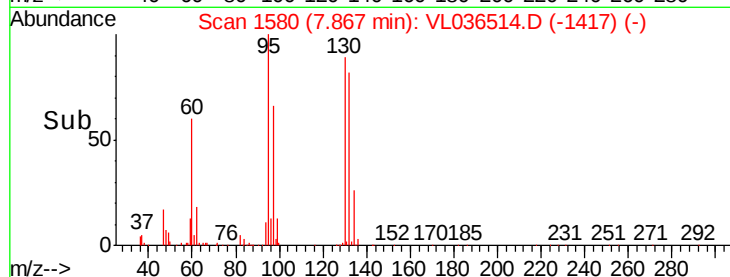


Abundance Ion 130.00 (129.70 to 130.70): V

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: 4.160 ppbv

RT: 7.20 min Scan# 1374

Delta R.T. -0.41 min

Lab File: VL036514.D

Acq: 26 Mar 2021 15:01

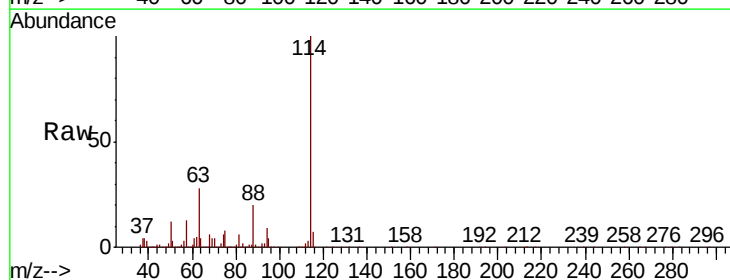
Tgt Ion: 63 Resp: 528486

Ion Ratio Lower Upper

63 100

41 0.3 62.4 93.6#

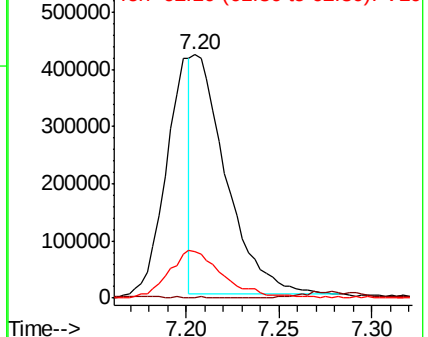
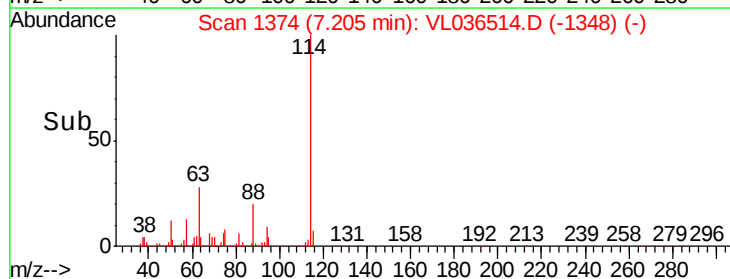
62 18.7 52.8 79.2#

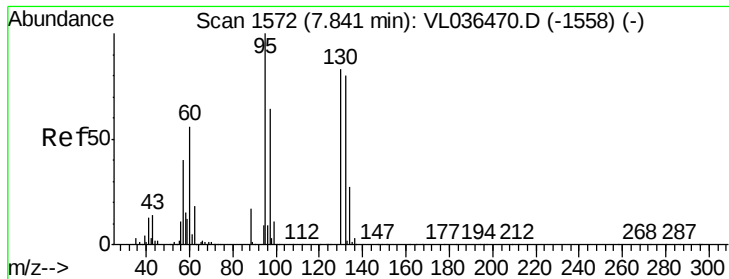


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#40

1,4-Dioxane

Concen: 0.027 ppbv

RT: 7.86 min Scan# 1579

Delta R.T. 0.02 min

Lab File: VL036514.D

Acq: 26 Mar 2021 15:01

Instrument :

MSVOA_L

ClientSampled :

Tot Ion: 88 Resp: 791

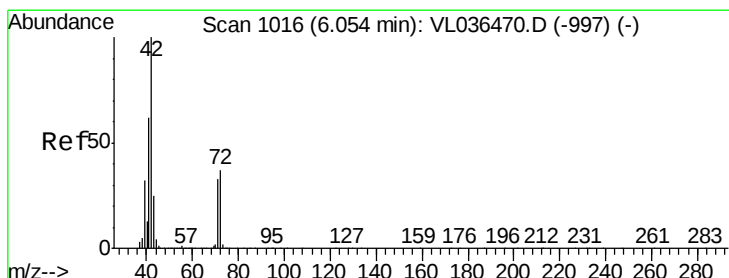
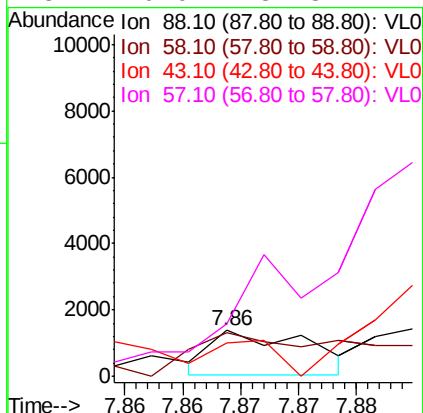
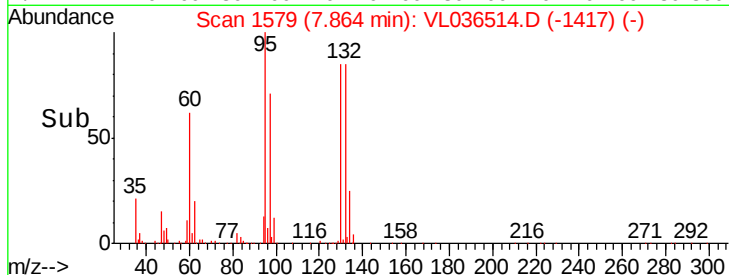
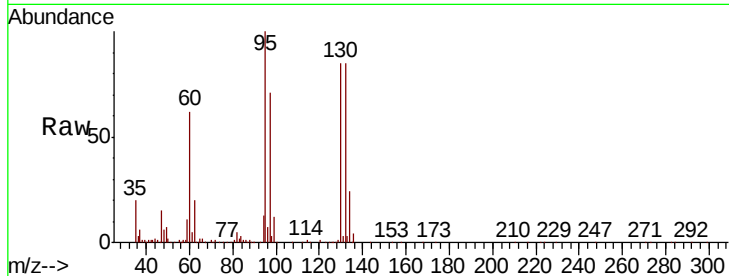
Ion Ratio Lower Upper

88 100

58 0.0 134.1 201.1#

43 0.0 346.6 520.0#

57 0.0 1481.8 2222.8#



#41

Tetrahydrofuran

Concen: 0.023 ppbv

RT: 6.08 min Scan# 1025

Delta R.T. 0.03 min

Lab File: VL036514.D

Acq: 26 Mar 2021 15:01

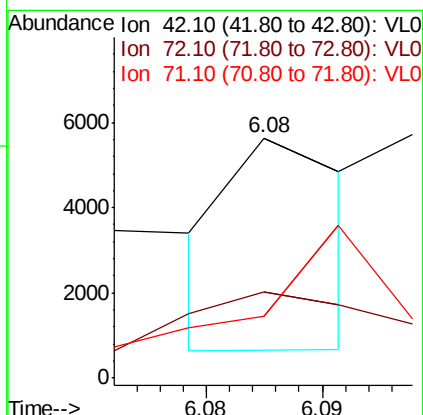
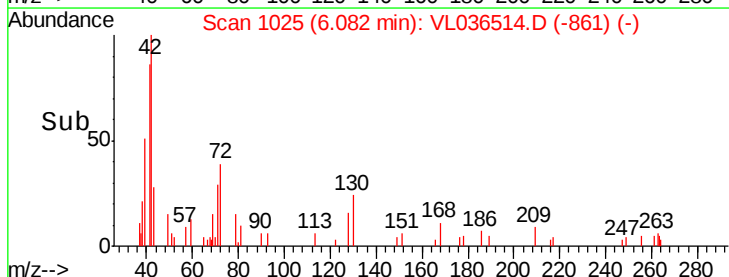
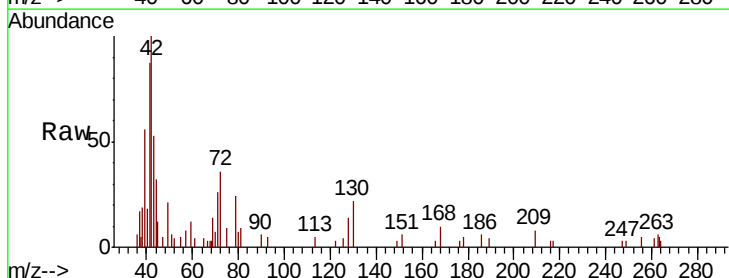
Tgt Ion: 42 Resp: 1769

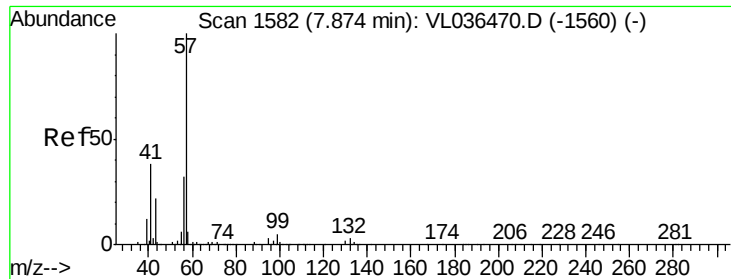
Ion Ratio Lower Upper

42 100

72 182.0 27.6 41.4#

71 292.1 27.0 40.4#





#44

2,2,4-Trimethylpentane

Concen: 0.021 ppbv

RT: 7.91 min Scan# 1592

Delta R.T. 0.03 min

Lab File: VL036514.D

Acq: 26 Mar 2021 15:01

Instrument :

MSVOA_L

ClientSampleId :

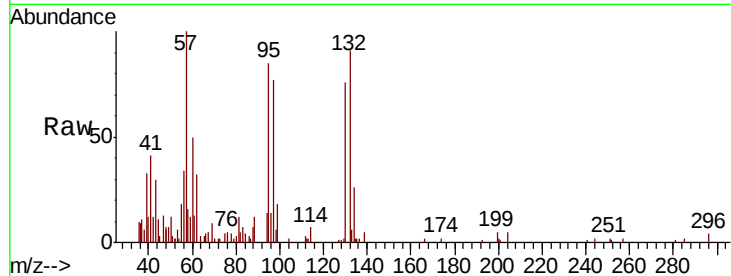
Tot Ion: 57 Resp: 11758

Ion Ratio Lower Upper

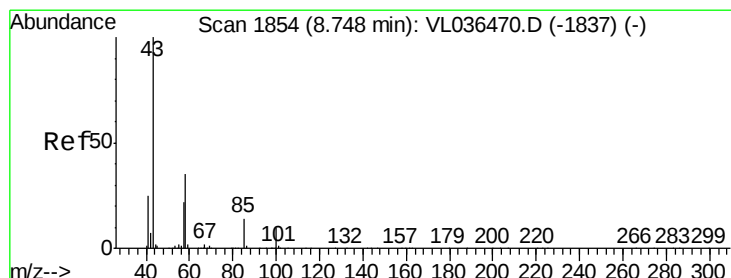
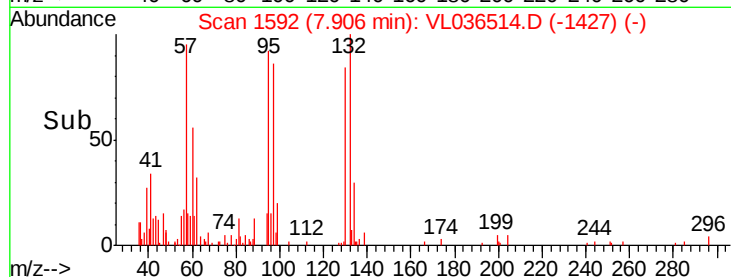
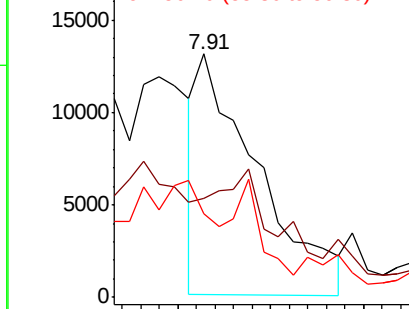
57 100

41 0.0 28.8 43.2#

56 143.1 26.1 39.1#



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: 0.043 ppbv

RT: 8.78 min Scan# 1865

Delta R.T. 0.04 min

Lab File: VL036514.D

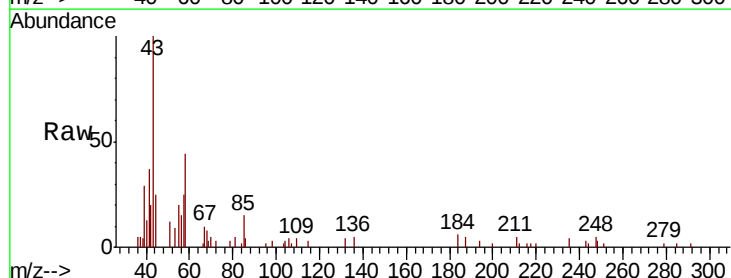
Acq: 26 Mar 2021 15:01

Tgt Ion: 43 Resp: 10368

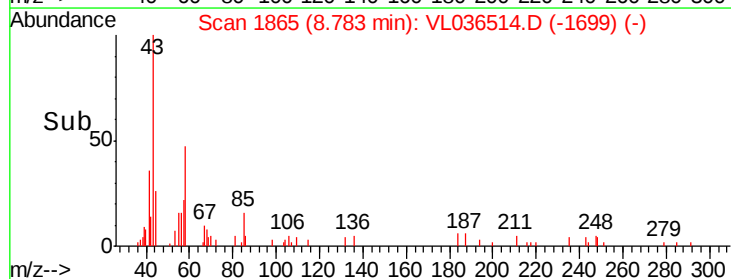
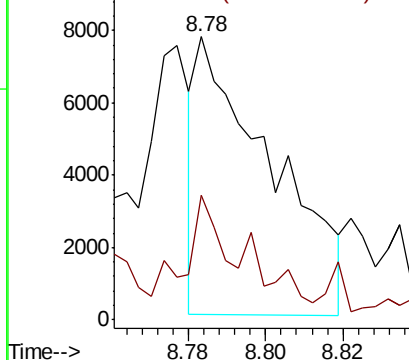
Ion Ratio Lower Upper

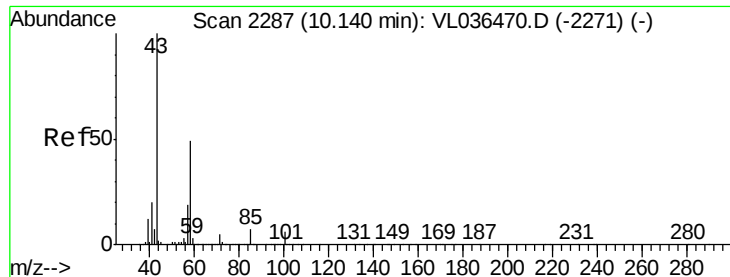
43 100

58 63.3 28.2 42.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0

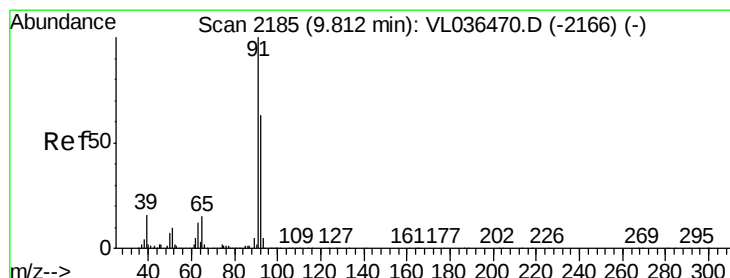
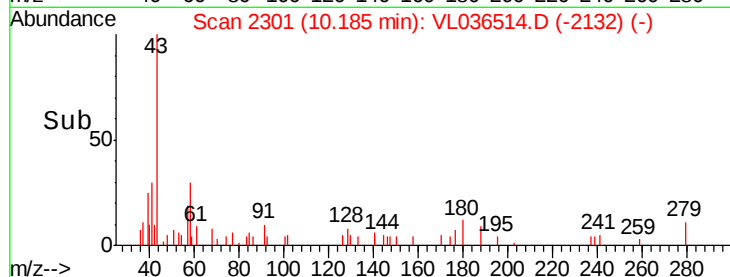
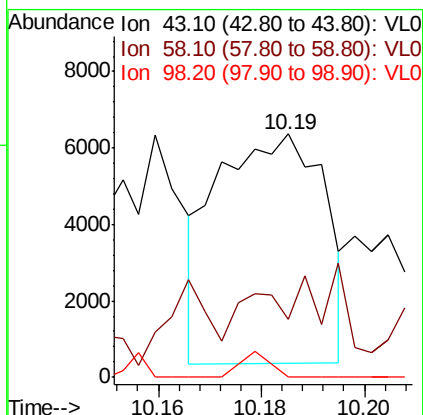
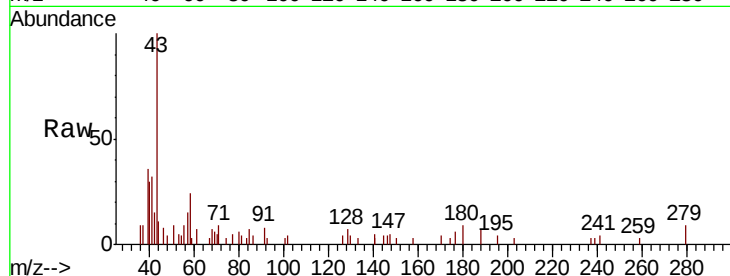




#51
2-Hexanone
Concen: 0.071 ppbv
RT: 10.19 min Scan# 2301
Delta R.T. 0.04 min
Lab File: VL036514.D
Acq: 26 Mar 2021 15:01

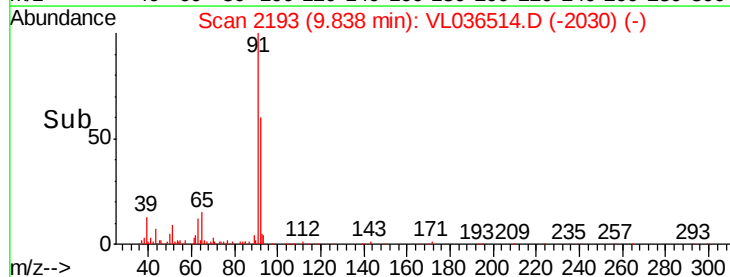
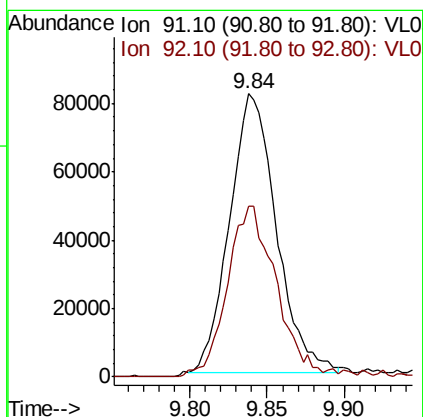
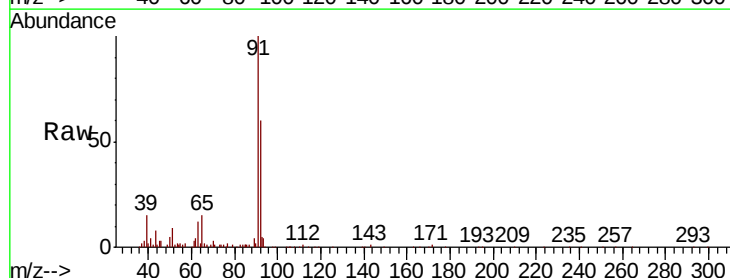
Instrument :
MSVOA_L
ClientSampleId :

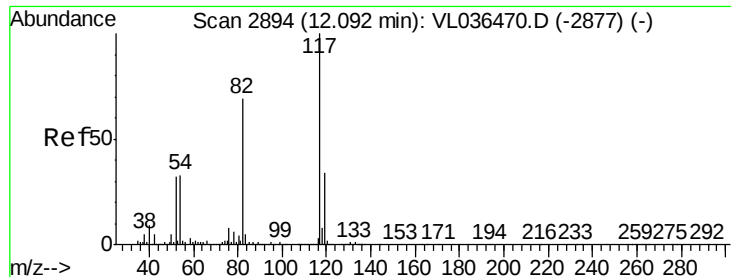
Tot Ion: 43 Resp: 8651
Ion Ratio Lower Upper
43 100
58 0.0 37.7 56.5#
98 3.0 0.2 0.2#



#53
Toluene
Concen: 0.518 ppbv
RT: 9.84 min Scan# 2193
Delta R.T. 0.03 min
Lab File: VL036514.D
Acq: 26 Mar 2021 15:01

Tgt Ion: 91 Resp: 172754
Ion Ratio Lower Upper
91 100
92 64.3 48.8 73.2

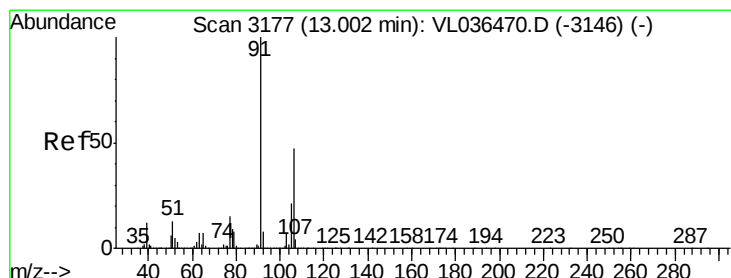
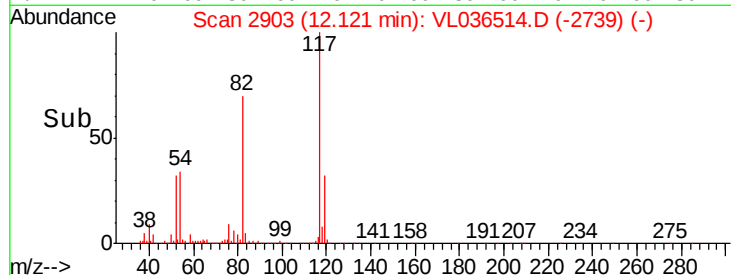
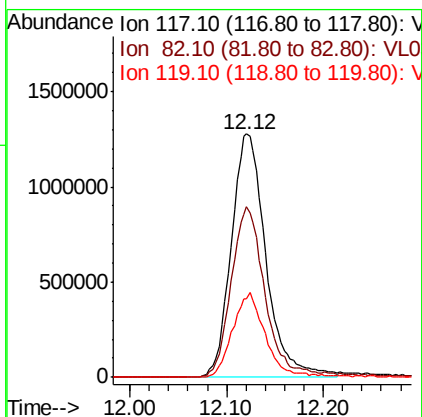
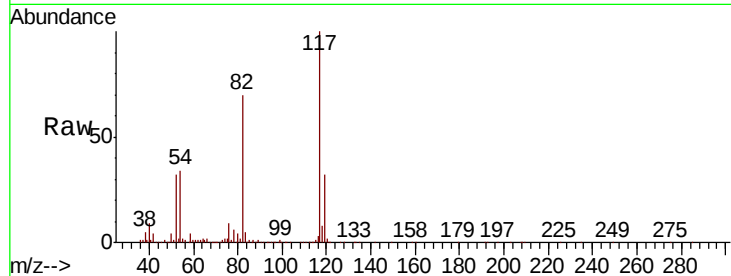




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. 0.03 min
Lab File: VL036514.D
Acq: 26 Mar 2021 15:01

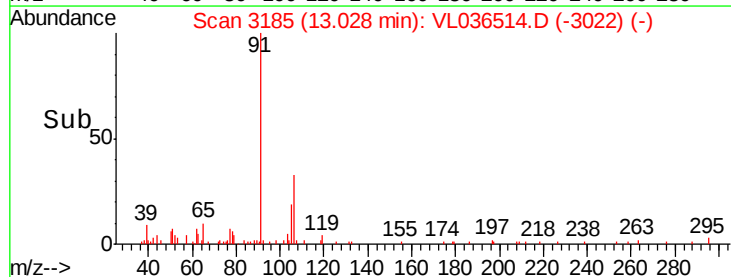
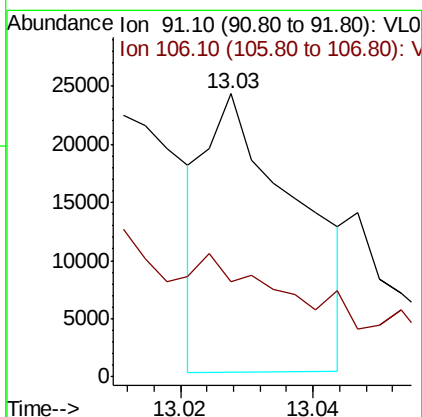
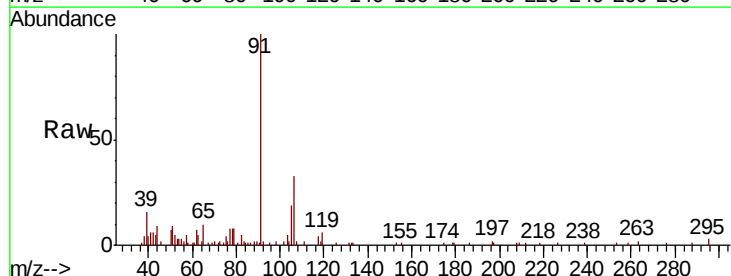
Instrument :
MSVOA_L
ClientSampleId :

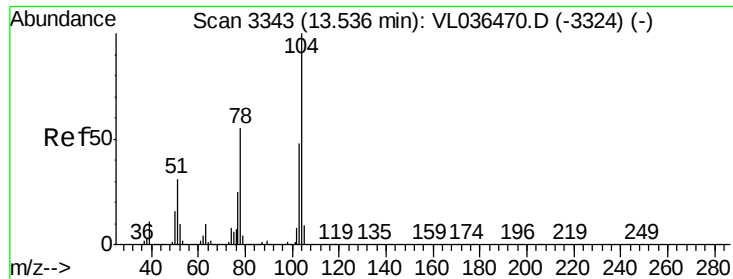
Tot Ion:117 Resp: 3183465
Ion Ratio Lower Upper
117 100
82 71.2 57.4 86.0
119 33.6 47.4 71.0#



#59
m/p-Xylene
Concen: 0.057 ppbv
RT: 13.03 min Scan# 3185
Delta R.T. 0.03 min
Lab File: VL036514.D
Acq: 26 Mar 2021 15:01

Tgt Ion: 91 Resp: 22902
Ion Ratio Lower Upper
91 100
106 0.0 35.3 52.9#

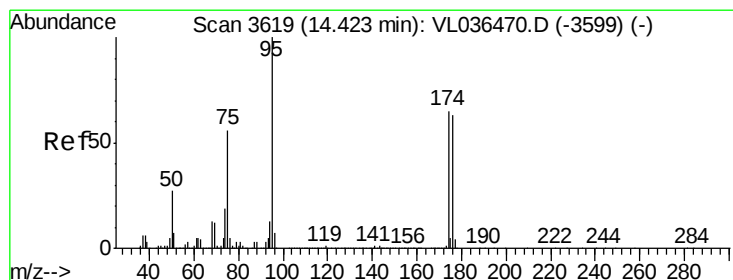
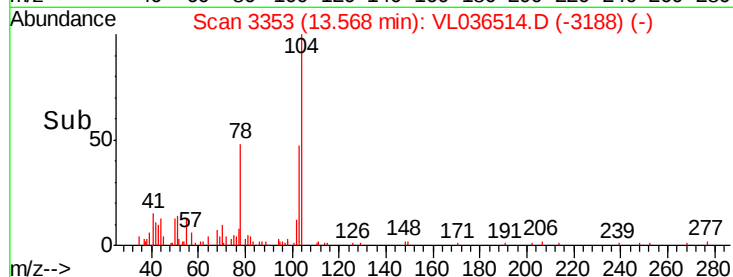
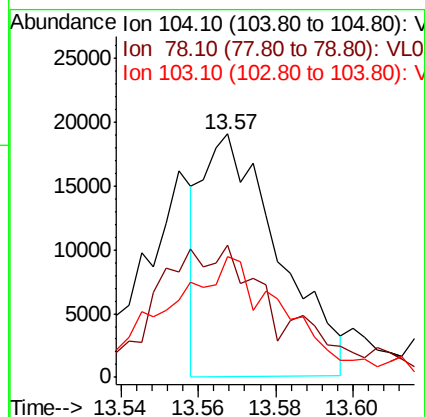
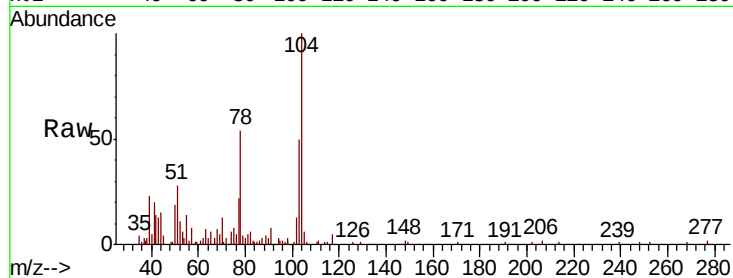




#61
Stvrene
Concen: 0.132 ppbv
RT: 13.57 min Scan# 3353
Delta R.T. 0.03 min
Lab File: VL036514.D
Acq: 26 Mar 2021 15:01

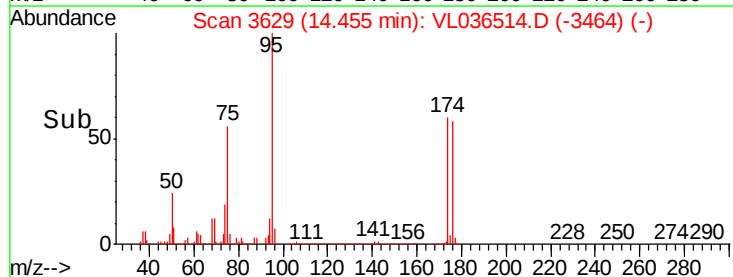
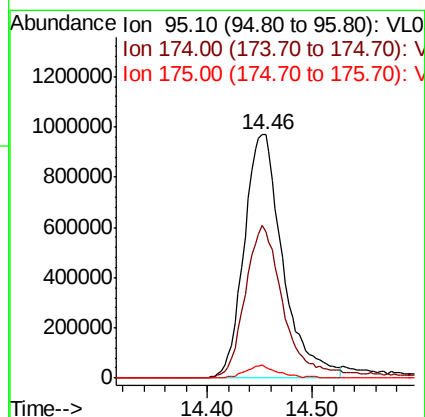
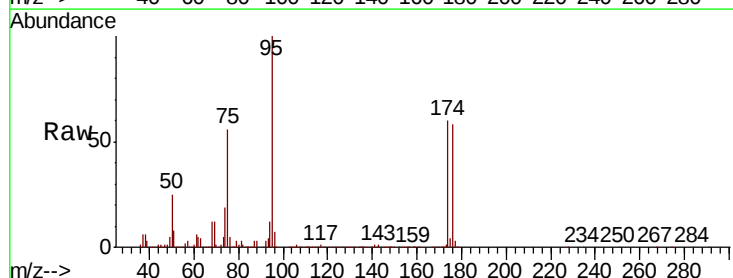
Instrument :
MSVOA_L
ClientSampleId :

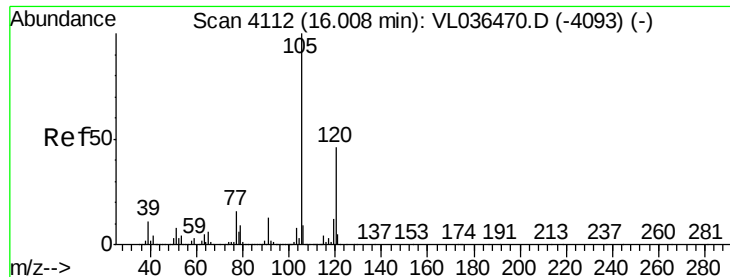
Tot Ion:104 Resp: 25868
Ion Ratio Lower Upper
104 100
78 107.2 43.8 65.8#
103 84.3 38.3 57.5#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.741 ppbv
RT: 14.46 min Scan# 3629
Delta R.T. 0.03 min
Lab File: VL036514.D
Acq: 26 Mar 2021 15:01

Tgt Ion: 95 Resp: 2471645
Ion Ratio Lower Upper
95 100
174 65.0 51.0 76.6
175 4.7 3.9 5.9





#73

1,3,5-Trimethylbenzene

Concen: 0.024 ppbv

RT: 16.04 min Scan# 4121

Delta R.T. 0.03 min

Lab File: VL036514.D

Acq: 26 Mar 2021 15:01

Instrument :

MSVOA_L

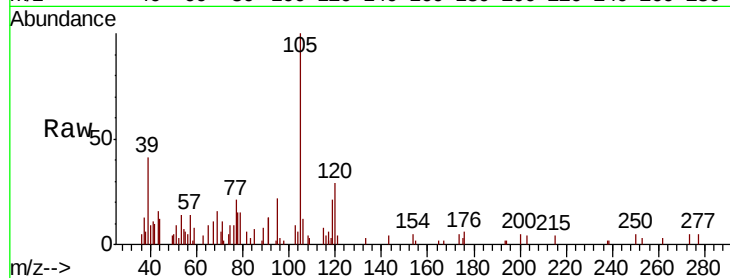
ClientSampleId :

Tot Ion:105 Resp: 9674

Ion Ratio Lower Upper

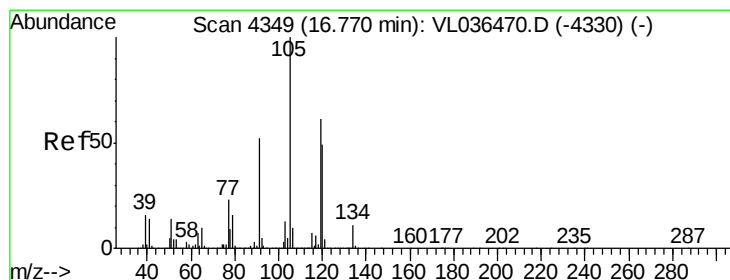
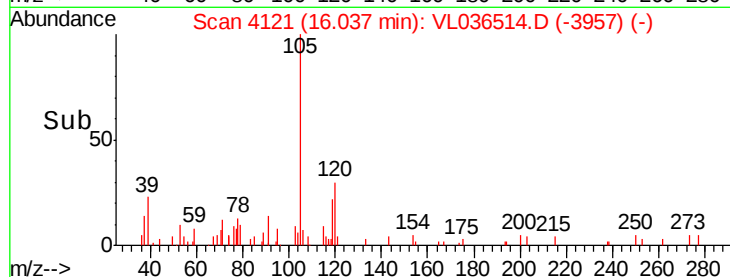
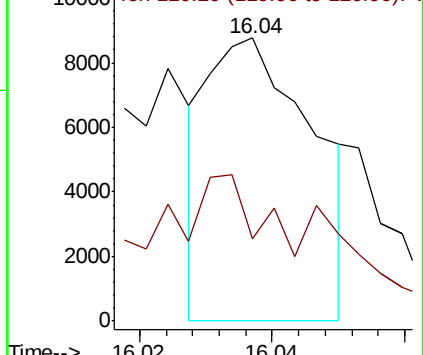
105 100

120 0.0 36.6 54.8#



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: 0.045 ppbv

RT: 16.81 min Scan# 4361

Delta R.T. 0.04 min

Lab File: VL036514.D

Acq: 26 Mar 2021 15:01

Tgt Ion:105 Resp: 19292

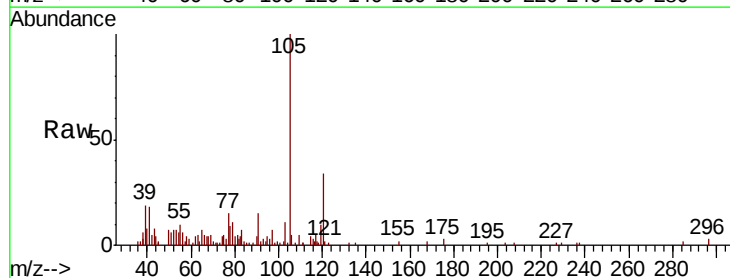
Ion Ratio Lower Upper

105 100

120 34.4 39.2 58.8#

91 12.4 42.6 64.0#

77 10.7 18.6 28.0#

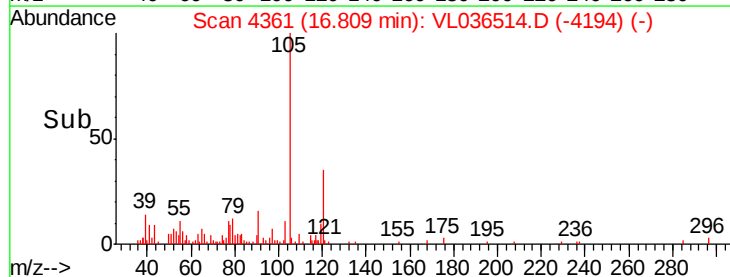
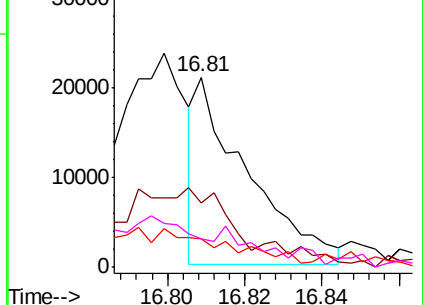


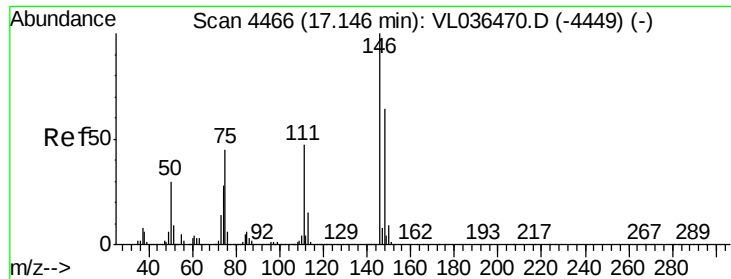
Abundance Ion 105.10 (104.80 to 105.80): V

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





#76

1,4-Dichlorobenzene

Concen: 0.160 ppbv

RT: 17.18 min Scan# 4477

Delta R.T. 0.04 min

Lab File: VL036514.D

Acq: 26 Mar 2021 15:01

Instrument :

MSVOA_L

ClientSampleId :

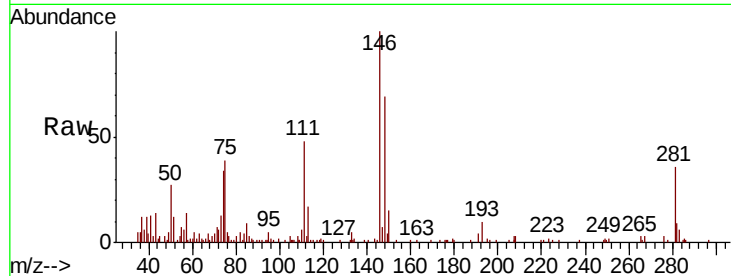
Tot Ion:146 Resp: 38319

Ion Ratio Lower Upper

146 100

111 0.0 24.3 72.8#

148 0.0 33.0 98.9#



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

