

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060221\
 Data File : VL037122.D
 Acq On : 3 Jun 2021 4:52
 Operator : SY/AP
 Sample : M2548-18
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

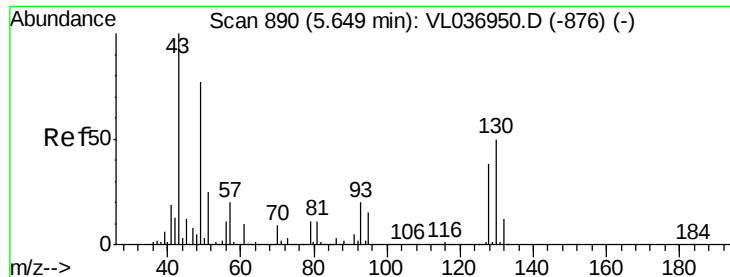
Quant Time: Jun 03 07:41:07 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1341957	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3941332	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3541758	10.00	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2610463	9.81	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	74992	0.329	ppbv	97
3) Chlorodifluoromethane	2.98	51	111286	0.453	ppbv #	84
4) Chloromethane	3.13	50	19185	0.229	ppbv	100
9) Propene	3.01	41	95097	1.080	ppbv #	76
10) Heptane	8.12	43	11651	0.053	ppbv #	26
11) Trichlorofluoromethane	3.94	101	58407	0.277	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	6194	0.041	ppbv #	14
13) Ethanol	3.60	45	1475034	125.578	ppbv	96
15) Acetone	3.84	43	2423050	17.628	ppbv	95
16) 1,3-Butadiene	3.32	39	5644	0.066	ppbv #	20
17) tert-Butyl alcohol	4.30	59	94864	0.753	ppbv	98
19) Isopropyl Alcohol	3.97	45	324723	4.395	ppbv #	1
20) Methylene Chloride	4.34	84	1604440	21.776	ppbv	97
21) Allyl Chloride	4.34	41	58175	0.561	ppbv #	27
23) Vinyl Acetate	5.05	43	46027	0.211	ppbv #	13
25) Ethyl Acetate	5.68	43	561175	1.699	ppbv #	78
26) Hexane	5.68	57	825284	4.891	ppbv #	46
27) Carbon Disulfide	4.54	76	9554	0.056	ppbv #	1
29) Chloroform	5.74	83	31179	0.131	ppbv	90
30) Cyclohexane	7.13	84	21030	0.147	ppbv #	23
32) 1,1,1-Trichloroethane	6.50	97	16762	0.065	ppbv #	30
34) 2-Butanone	5.24	43	213701	1.489	ppbv	94
36) Benzene	6.88	78	88508	0.261	ppbv	95
39) 1,2-Dichloropropane	7.17	63	943937	7.218	ppbv #	25
41) Tetrahydrofuran	6.05	42	5330	0.065	ppbv #	1
44) 2,2,4-Trimethylpentane	7.86	57	56763	0.097	ppbv #	64
50) 4-Methyl-2-Pentanone	8.75	43	34220	0.144	ppbv #	24
53) Toluene	9.80	91	771284	1.909	ppbv	99
58) Ethyl Benzene	12.70	91	64544	0.129	ppbv	91
59) m/p-Xylene	12.99	91	27431	0.066	ppbv #	30
60) o-Xylene	13.68	91	69189	0.176	ppbv	100
61) Styrene	13.52	104	23259	0.105	ppbv #	44
66) Benzyl Chloride	16.98	91	1415	0.050	ppbv #	66
72) 4-Ethyltoluene	15.83	105	14276	0.031	ppbv #	58
74) 1,2,4-Trimethylbenzene	16.75	105	68716	0.151	ppbv #	69
80) Naphthalene,2-methyl-	24.97	142	3939	0.051	ppbv #	72

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.01 min

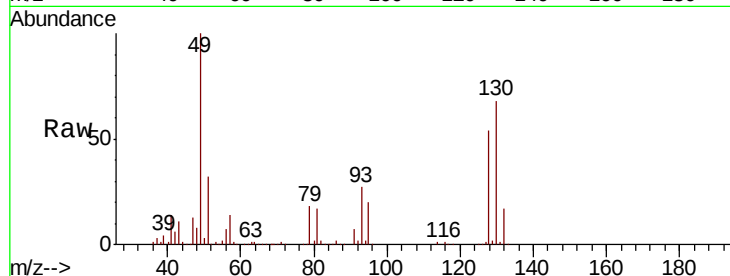
Lab File: VL037122.D

Acq: 3 Jun 2021 4:52

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1341957

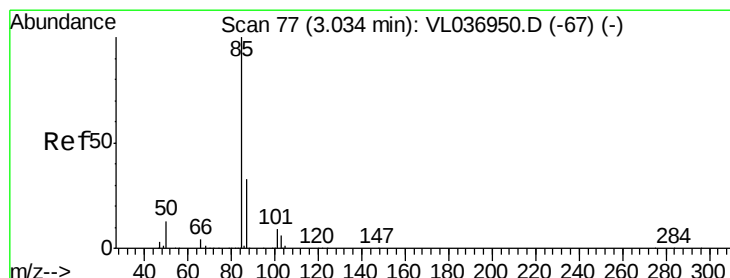
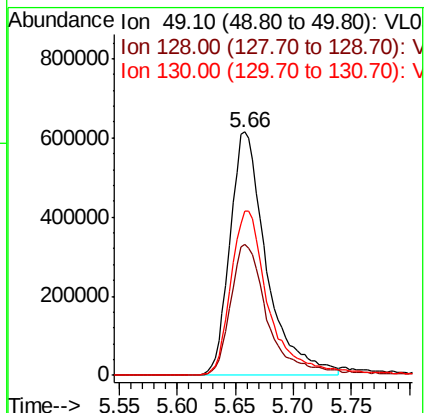
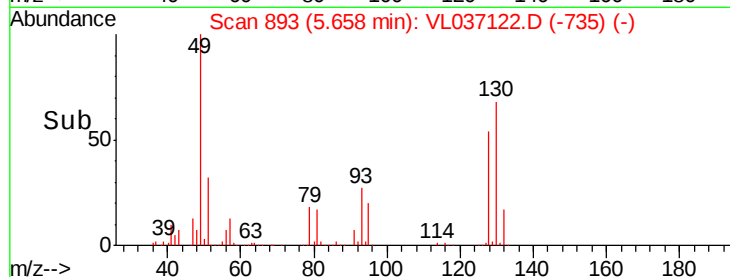
Ion	Ratio	Lower	Upper
49	100		
128	56.4	26.9	80.7
130	71.3	33.8	101.4



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



#2

Dichlorodifluoromethane

Concen: 0.329 ppbv

RT: 3.04 min Scan# 79

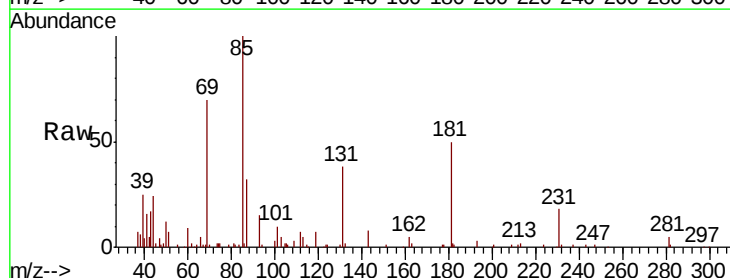
Delta R.T. 0.01 min

Lab File: VL037122.D

Acq: 3 Jun 2021 4:52

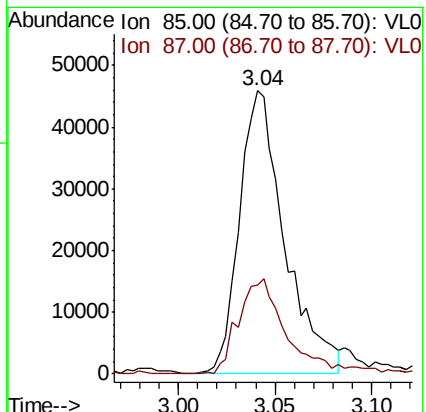
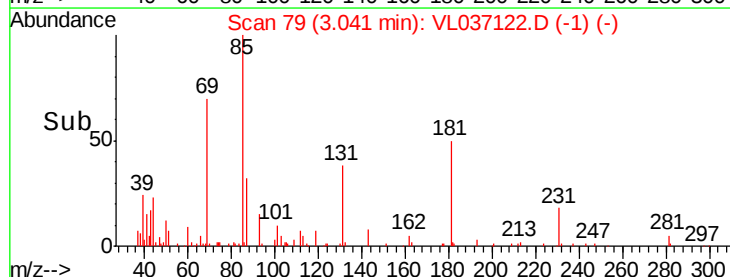
Tgt Ion: 85 Resp: 74992

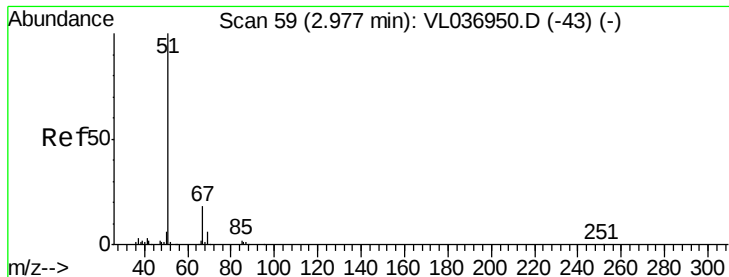
Ion	Ratio	Lower	Upper
85	100		
87	31.6	26.6	39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.453 ppbv

RT: 2.98 min Scan# 60

Delta R.T. 0.00 min

Lab File: VL037122.D

Acq: 3 Jun 2021 4:52

Instrument :

MSVOA_L

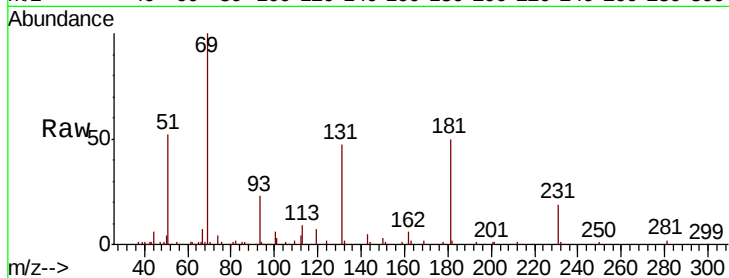
ClientSampleId :

Tot Ion: 51 Resp: 111286

Ion Ratio Lower Upper

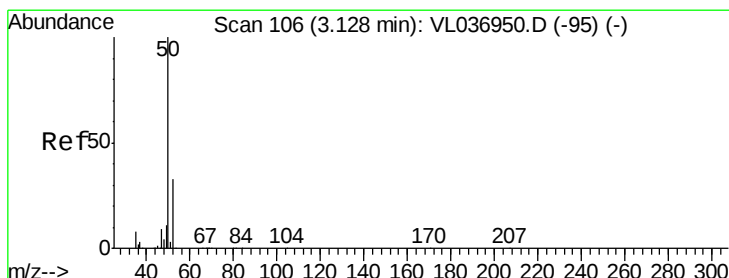
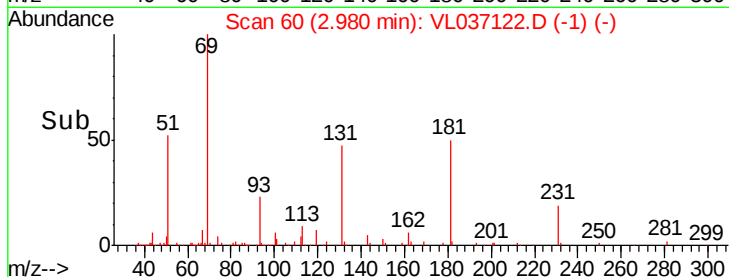
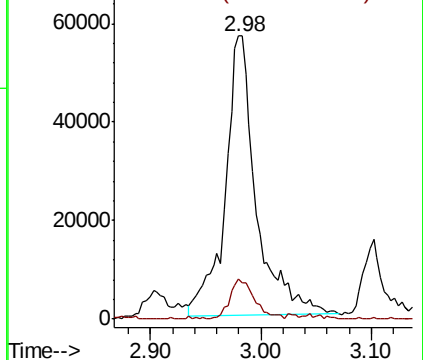
51 100

67 11.3 14.6 21.8#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.229 ppbv

RT: 3.13 min Scan# 108

Delta R.T. 0.01 min

Lab File: VL037122.D

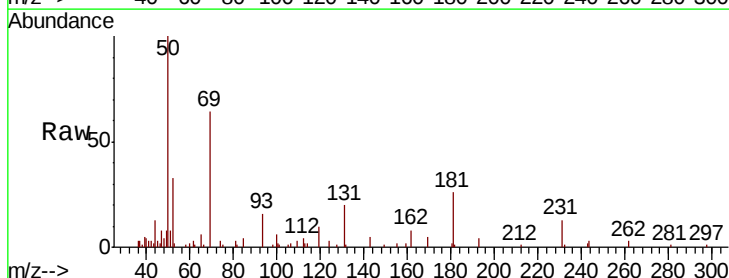
Acq: 3 Jun 2021 4:52

Tgt Ion: 50 Resp: 19185

Ion Ratio Lower Upper

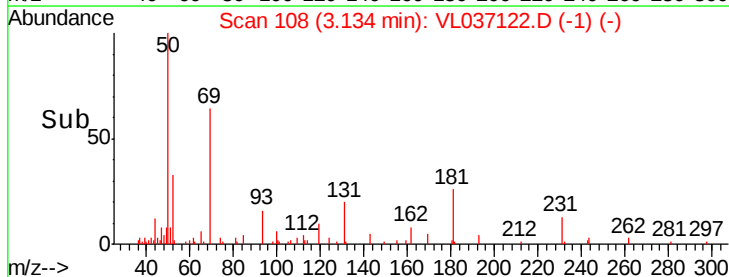
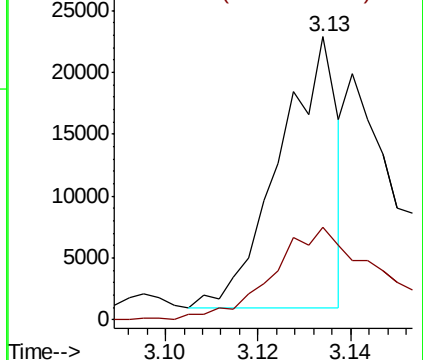
50 100

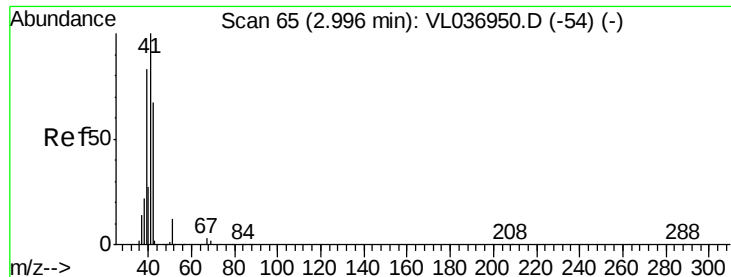
52 32.4 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 1.080 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VL037122.D

Acq: 3 Jun 2021 4:52

Instrument :

MSVOA_L

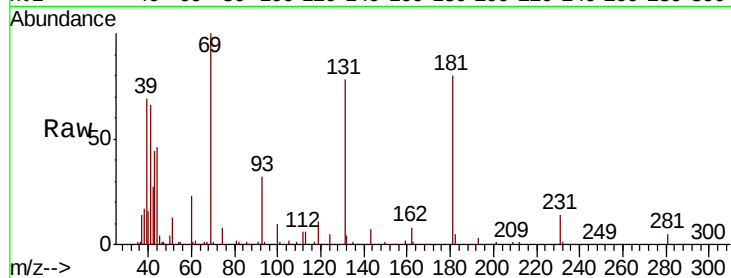
ClientSampleId :

Tot Ion: 41 Resp: 95097

Ion Ratio Lower Upper

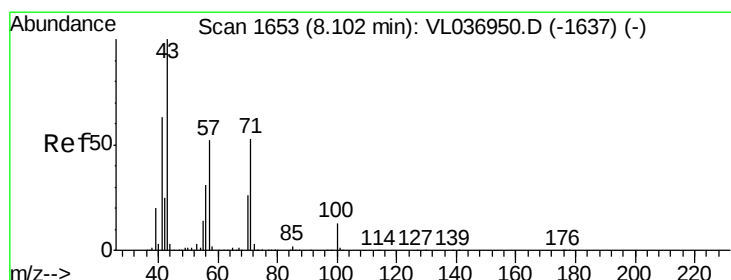
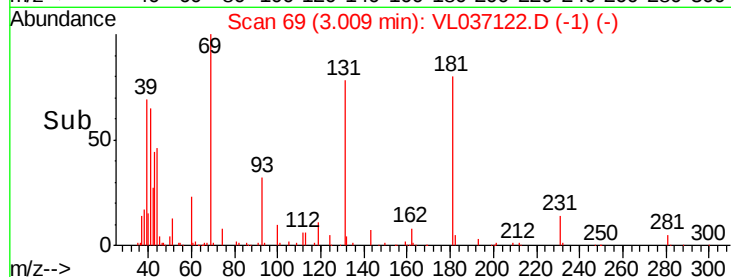
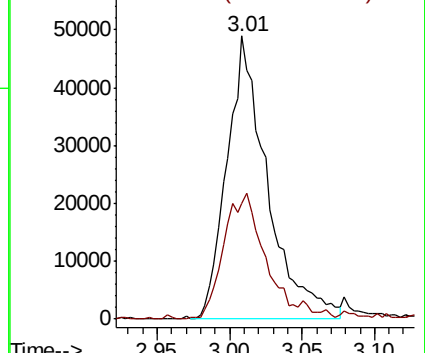
41 100

42 48.0 53.9 80.9#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.053 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. 0.02 min

Lab File: VL037122.D

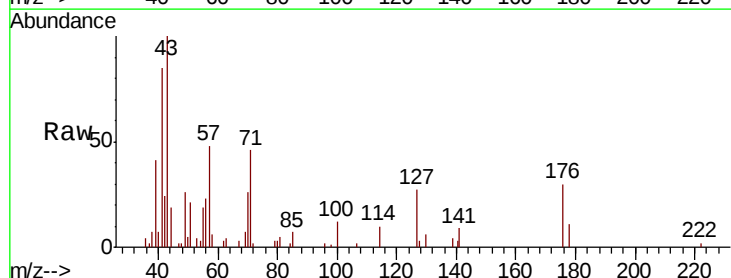
Acq: 3 Jun 2021 4:52

Tgt Ion: 43 Resp: 11651

Ion Ratio Lower Upper

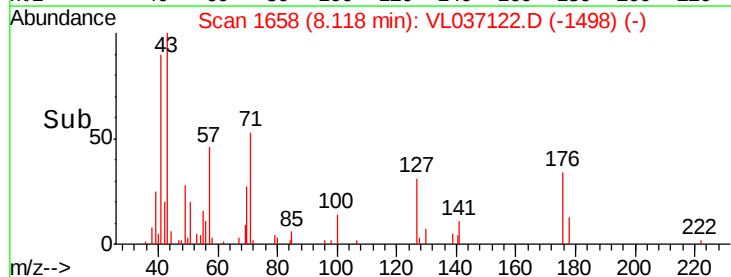
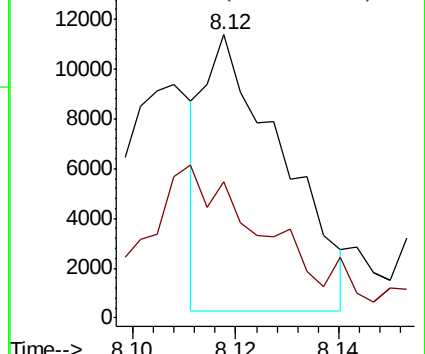
43 100

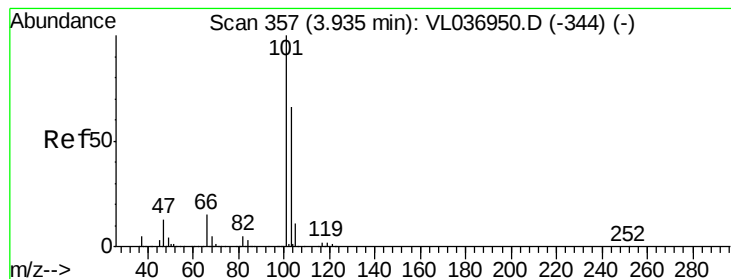
57 0.0 41.0 61.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 0.277 ppbv

RT: 3.94 min Scan# 360

Delta R.T. 0.01 min

Lab File: VL037122.D

Acq: 3 Jun 2021 4:52

Instrument :

MSVOA_L

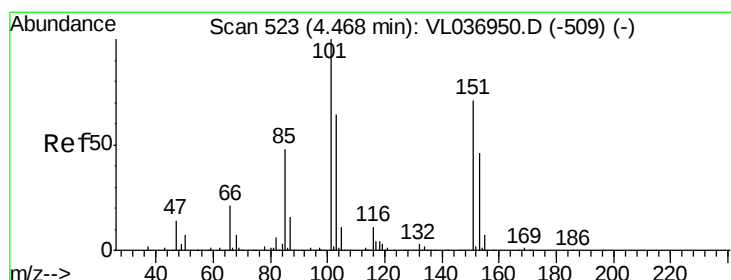
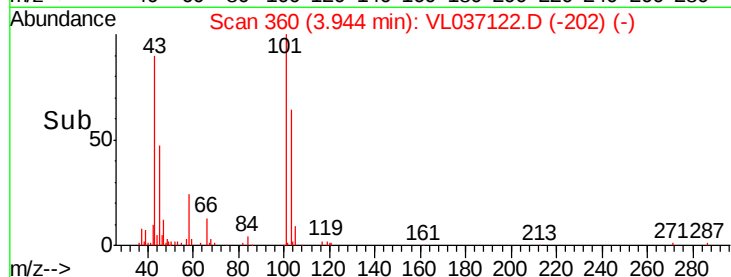
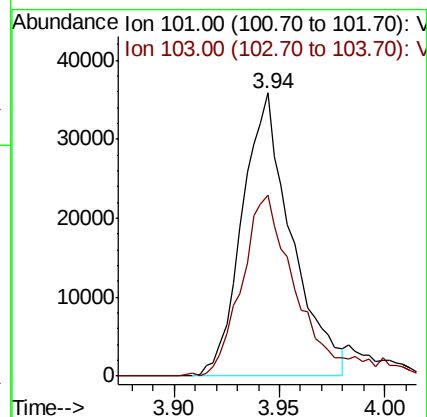
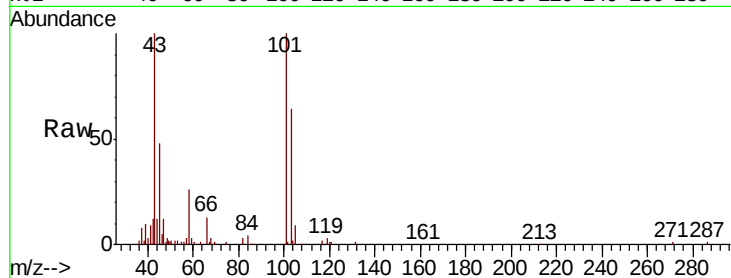
ClientSampleId :

Tot Ion:101 Resp: 58407

Ion Ratio Lower Upper

101 100

103 63.2 52.6 79.0



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.041 ppbv

RT: 4.47 min Scan# 525

Delta R.T. 0.01 min

Lab File: VL037122.D

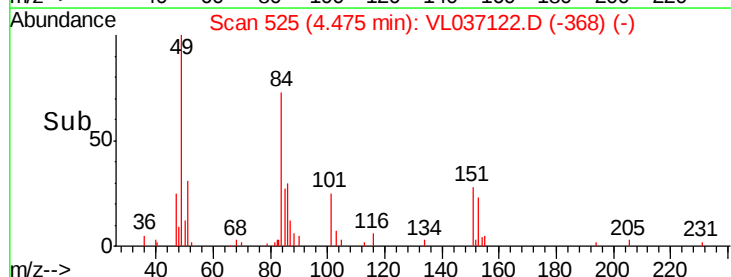
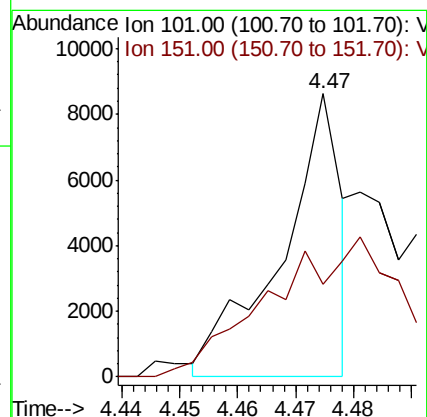
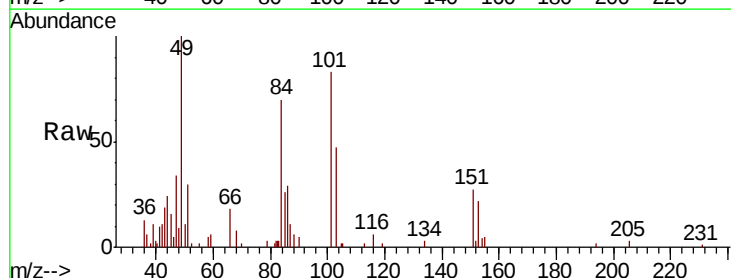
Acq: 3 Jun 2021 4:52

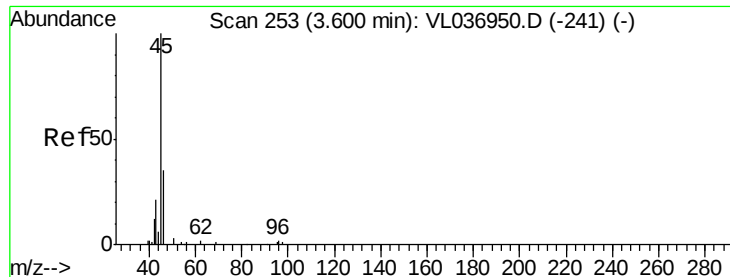
Tgt Ion:101 Resp: 6194

Ion Ratio Lower Upper

101 100

151 0.0 57.7 86.5#

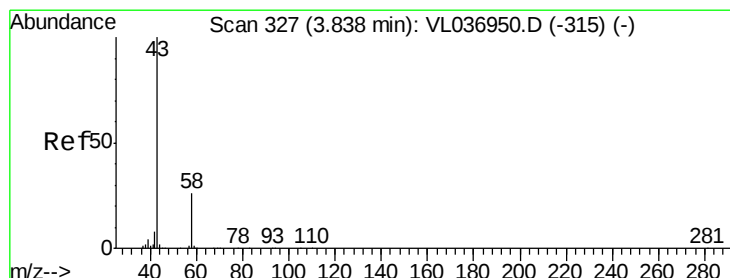
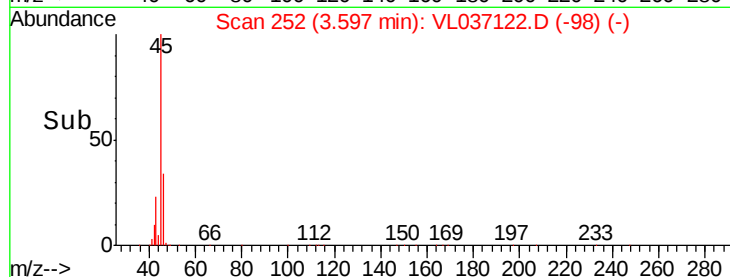
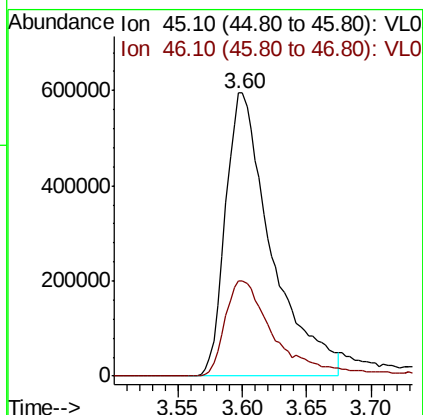
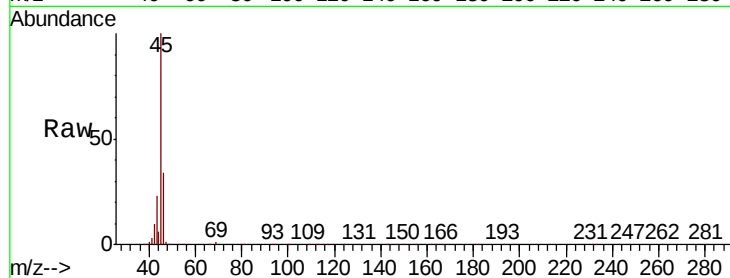




#13
Ethanol
Concen: 125.578 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.00 min
Lab File: VL037122.D
Acq: 3 Jun 2021 4:52

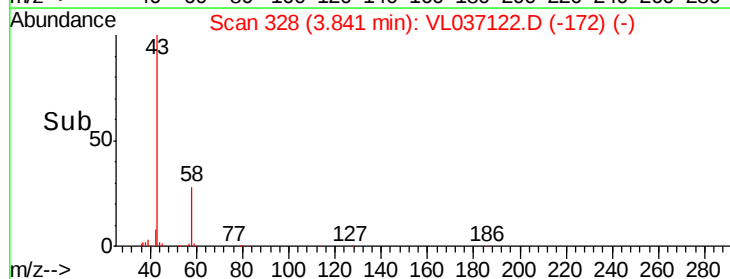
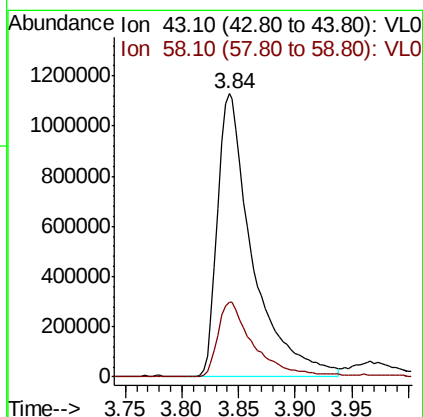
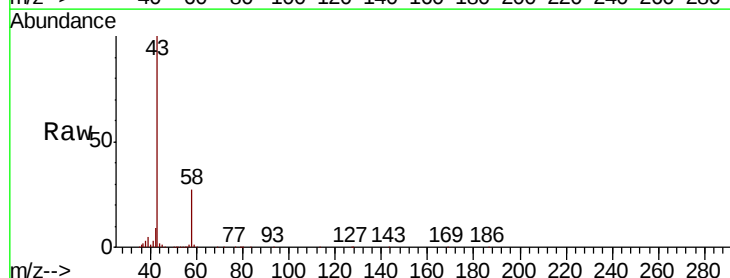
Instrument :
MSVOA_L
ClientSampleId :

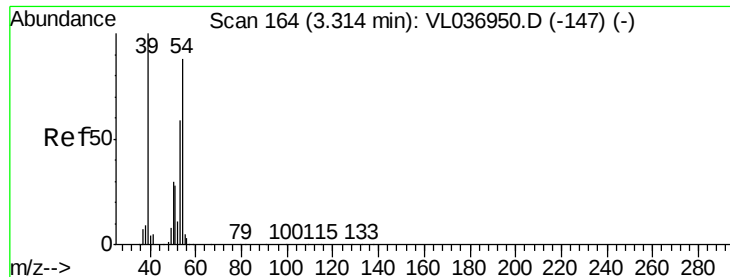
Tot Ion: 45 Resp: 1475034
Ion Ratio Lower Upper
45 100
46 38.0 16.3 65.3



#15
Acetone
Concen: 17.628 ppbv
RT: 3.84 min Scan# 328
Delta R.T. 0.00 min
Lab File: VL037122.D
Acq: 3 Jun 2021 4:52

Tgt Ion: 43 Resp: 2423050
Ion Ratio Lower Upper
43 100
58 27.5 24.0 36.0

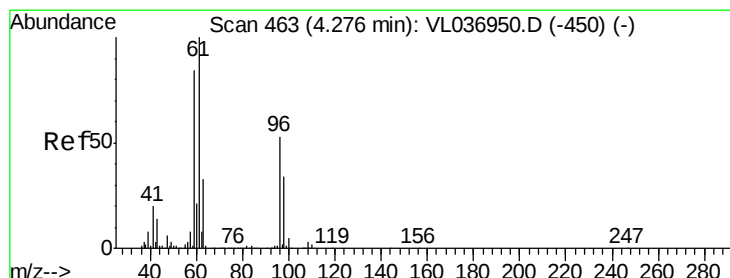
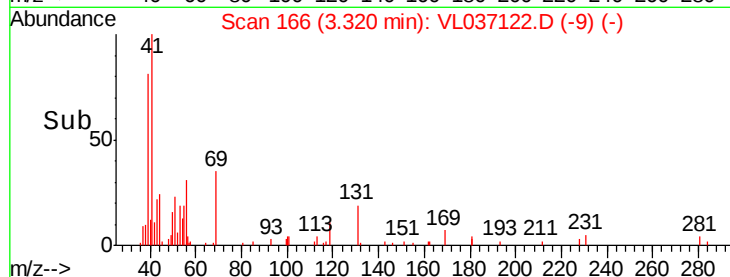
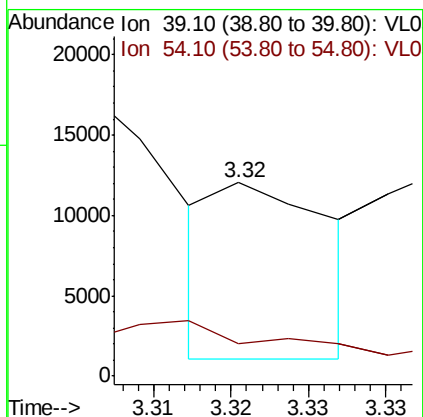
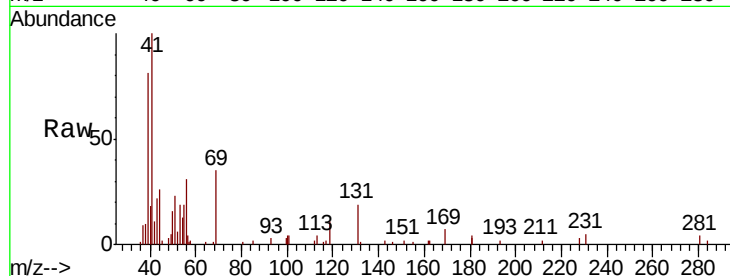




#16
1,3-Butadiene
Concen: 0.066 ppbv
RT: 3.32 min Scan# 166
Delta R.T. 0.01 min
Lab File: VL037122.D
Acq: 3 Jun 2021 4:52

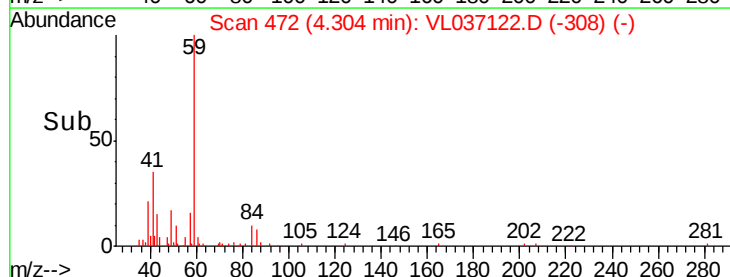
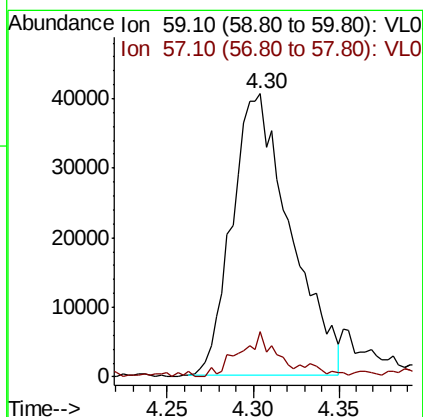
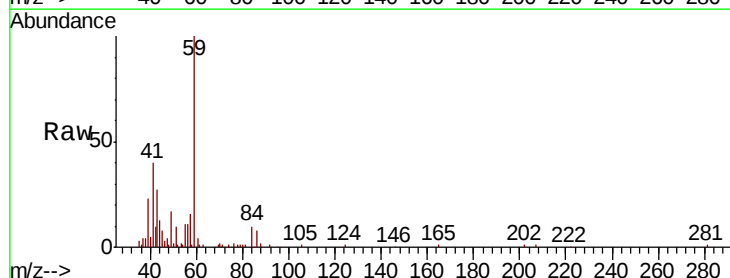
Instrument :
MSVOA_L
ClientSampleId :

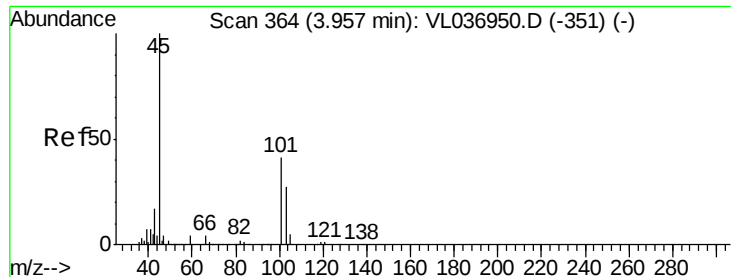
Tot Ion: 39 Resp: 5644
Ion Ratio Lower Upper
39 100
54 148.9 63.2 94.8#



#17
tert-Butyl alcohol
Concen: 0.753 ppbv
RT: 4.30 min Scan# 472
Delta R.T. 0.03 min
Lab File: VL037122.D
Acq: 3 Jun 2021 4:52

Tgt Ion: 59 Resp: 94864
Ion Ratio Lower Upper
59 100
57 9.7 8.3 12.5

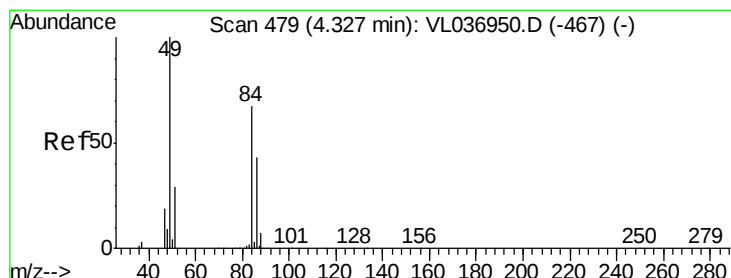
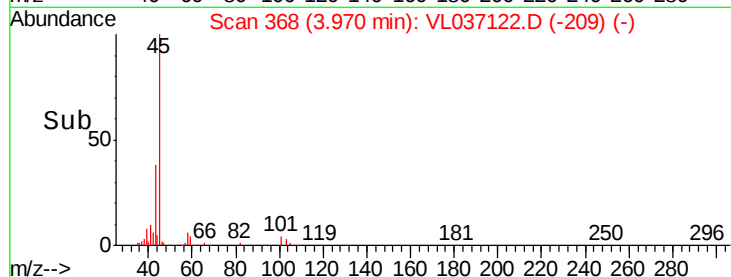
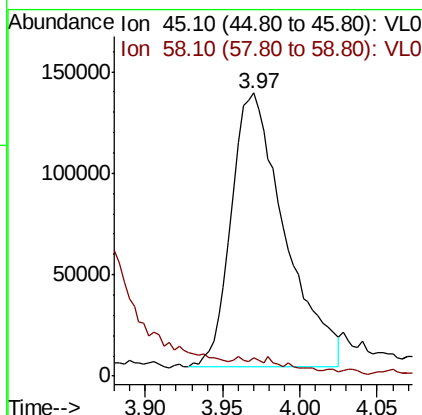
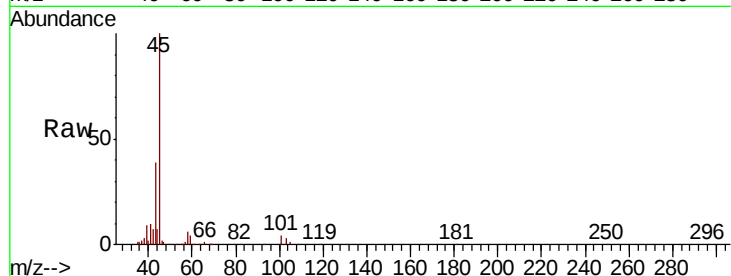




#19
Isopropyl Alcohol
Concen: 4.395 ppbv
RT: 3.97 min Scan# 368
Delta R.T. 0.01 min
Lab File: VL037122.D
Acq: 3 Jun 2021 4:52

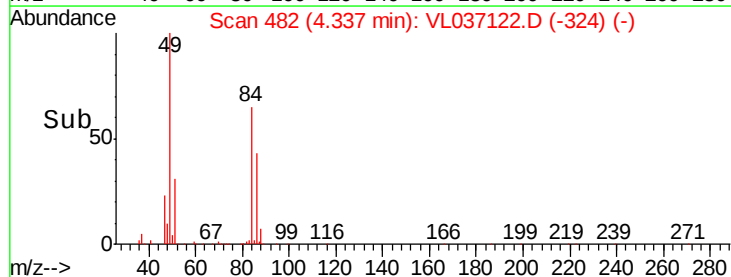
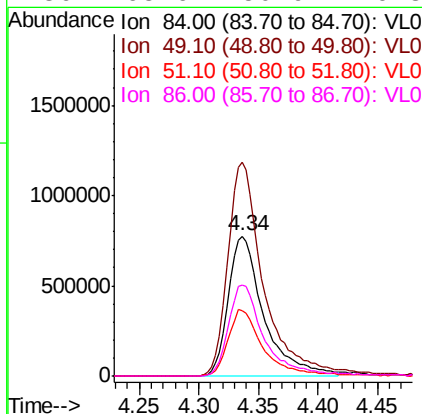
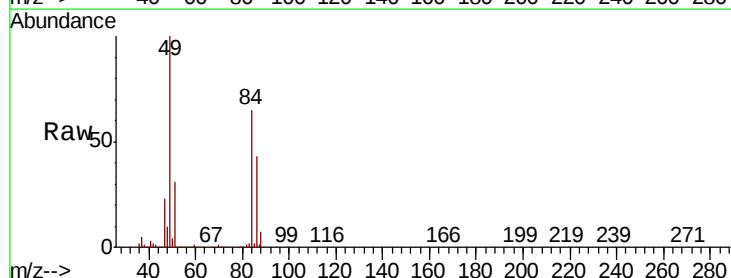
Instrument :
MSVOA_L
ClientSampled :

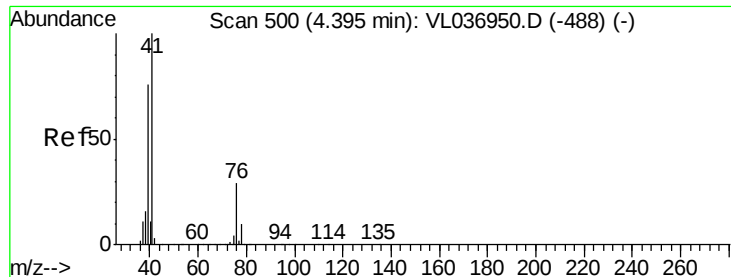
Tot Ion: 45 Resp: 324723
Ion Ratio Lower Upper
45 100
58 213.9 37.2 55.8#



#20
Methylene Chloride
Concen: 21.776 ppbv
RT: 4.34 min Scan# 482
Delta R.T. 0.01 min
Lab File: VL037122.D
Acq: 3 Jun 2021 4:52

Tgt Ion: 84 Resp: 1604440
Ion Ratio Lower Upper
84 100
49 153.0 119.8 179.6
51 46.7 35.1 52.7
86 65.6 50.9 76.3





#21

Allvl Chloride

Concen: 0.561 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.06 min

Lab File: VL037122.D

Acq: 3 Jun 2021 4:52

Instrument :

MSVOA_L

ClientSampled :

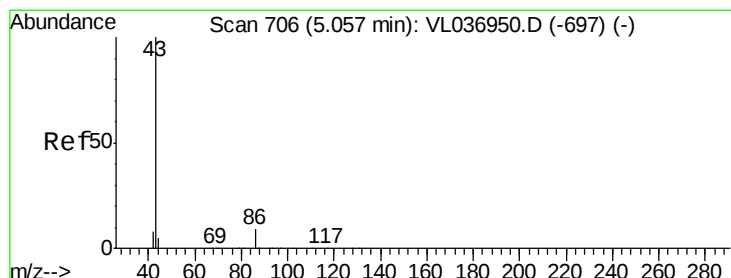
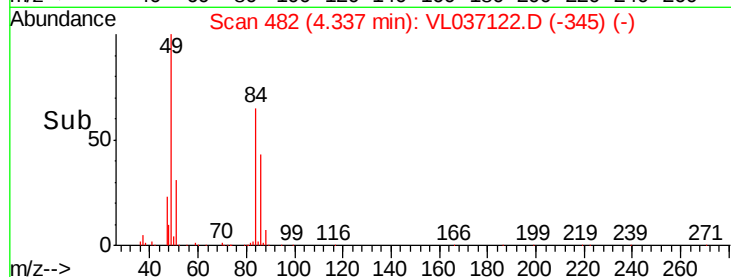
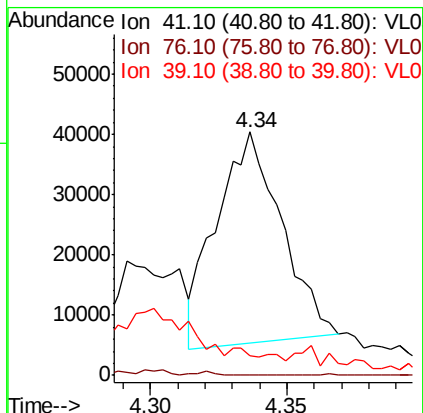
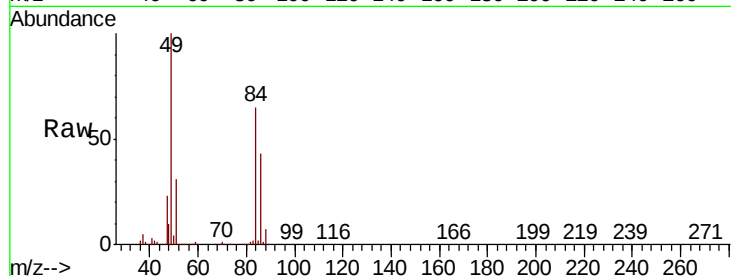
Tot Ion: 41 Resp: 58175

Ion Ratio Lower Upper

41 100

76 0.0 24.9 37.3#

39 10.1 63.7 95.5#



#23

Vinyl Acetate

Concen: 0.211 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.00 min

Lab File: VL037122.D

Acq: 3 Jun 2021 4:52

Tgt Ion: 43 Resp: 46027

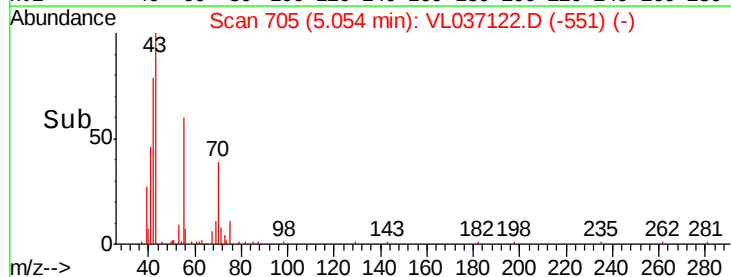
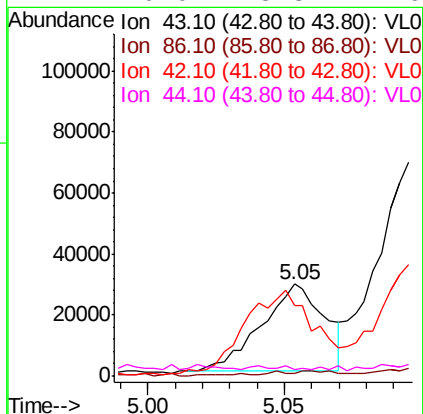
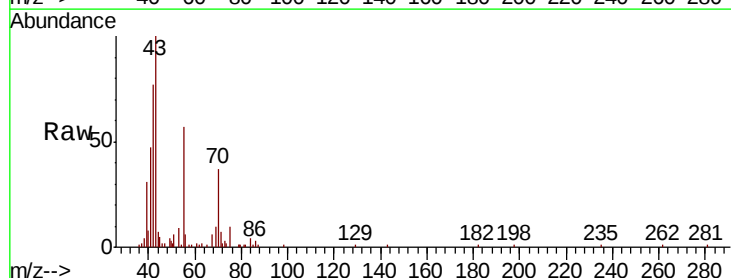
Ion Ratio Lower Upper

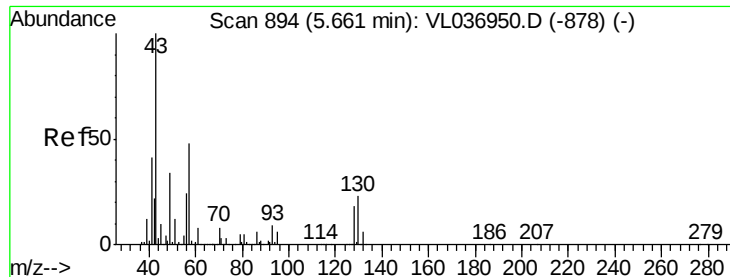
43 100

86 3.1 5.8 8.8#

42 74.3 7.4 11.2#

44 0.0 3.3 4.9#

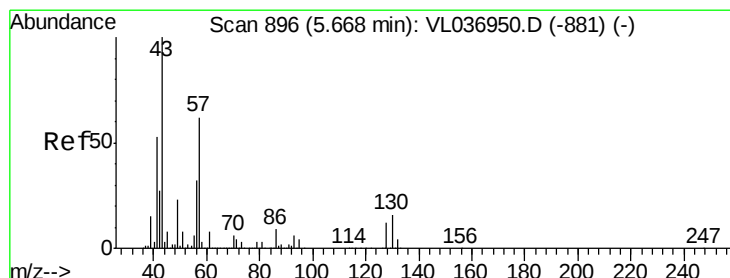
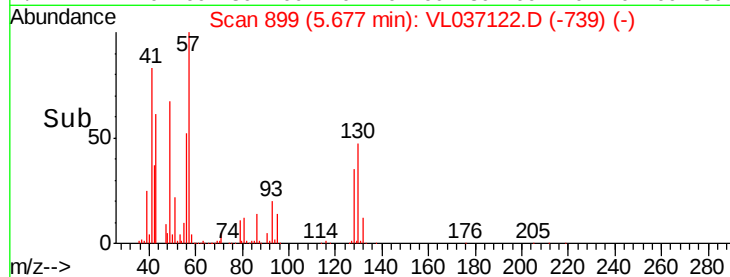
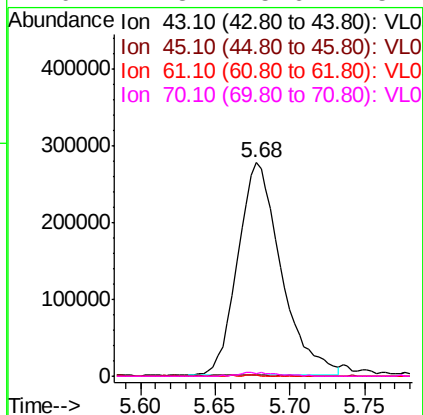
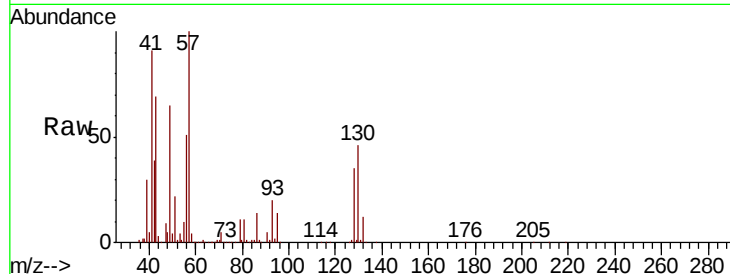




#25
Ethyl Acetate
Concen: 1.699 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.02 min
Lab File: VL037122.D
Acq: 3 Jun 2021 4:52

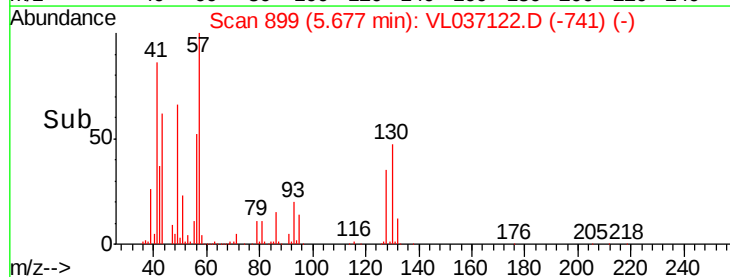
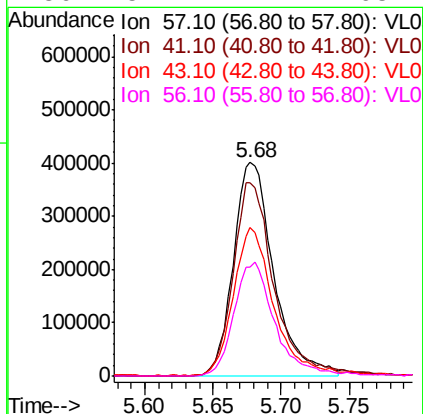
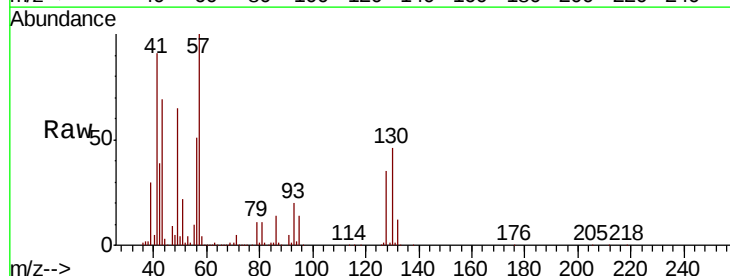
Instrument :
MSVOA_L
ClientSampleId :

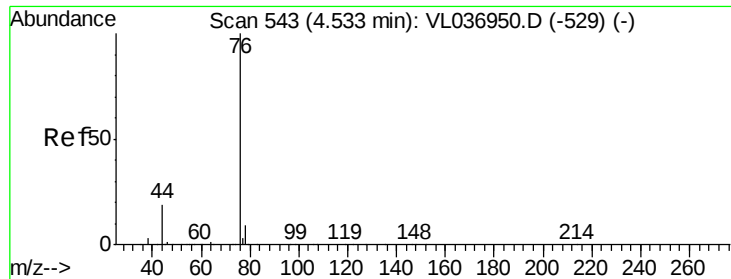
Tot Ion:	43	Resp:	561175
Ion	Ratio	Lower	Upper
43	100		
45	1.0	7.8	11.8#
61	0.4	7.8	11.8#
70	1.8	5.6	8.4#



#26
Hexane
Concen: 4.891 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL037122.D
Acq: 3 Jun 2021 4:52

Tgt Ion:	57	Resp:	825284
Ion	Ratio	Lower	Upper
57	100		
41	93.4	70.5	105.7
43	71.6	165.8	248.8#
56	54.7	42.2	63.4

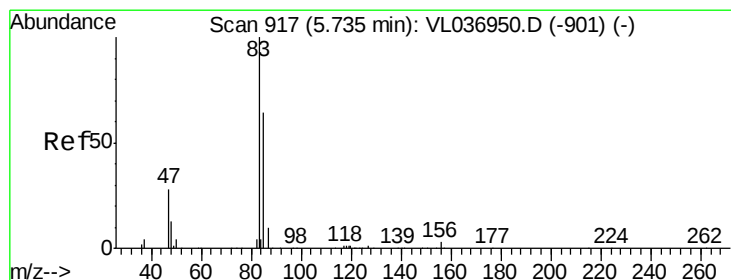
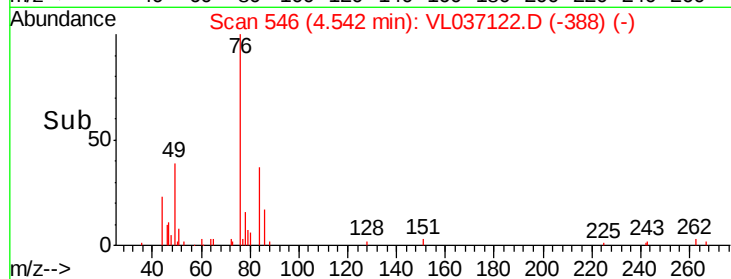
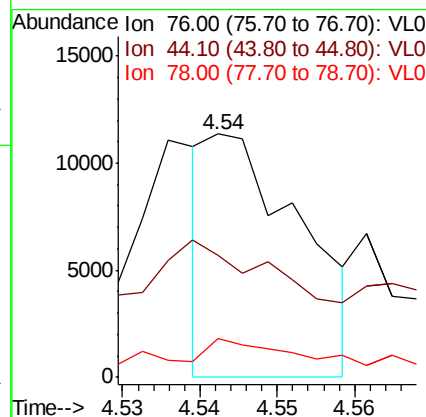
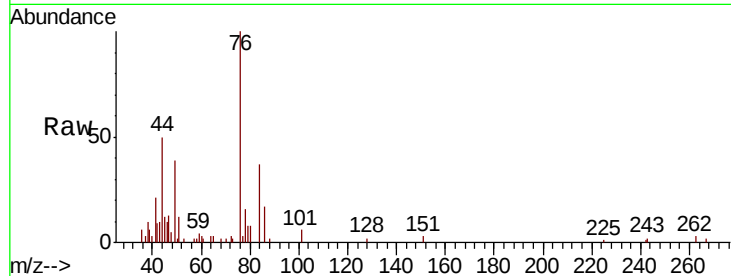




#27
Carbon Disulfide
Concen: 0.056 ppbv
RT: 4.54 min Scan# 546
Delta R.T. 0.01 min
Lab File: VL037122.D
Acq: 3 Jun 2021 4:52

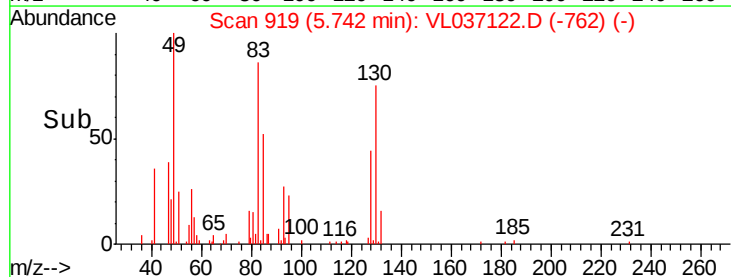
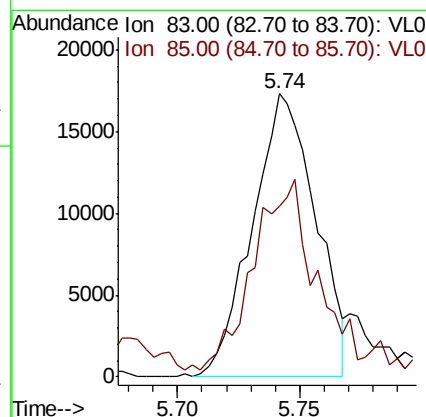
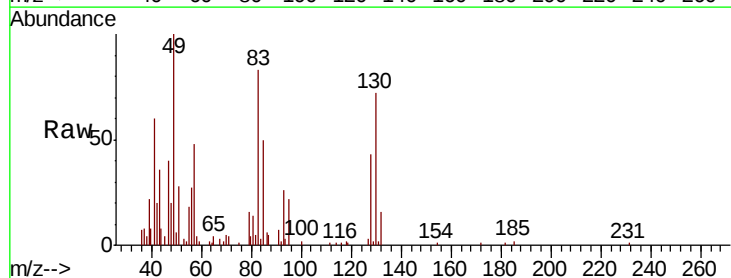
Instrument :
MSVOA_L
ClientSampled :

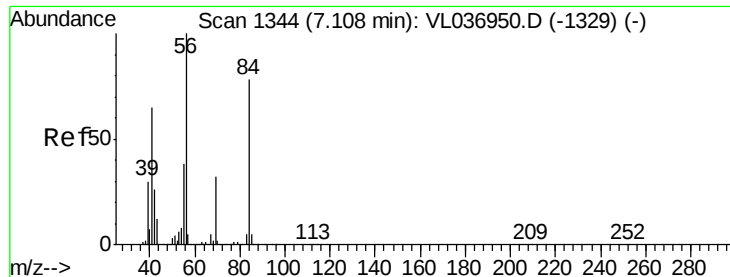
Tot Ion: 76 Resp: 9554
Ion Ratio Lower Upper
76 100
44 151.6 15.5 23.3#
78 33.2 7.8 11.6#



#29
Chloroform
Concen: 0.131 ppbv
RT: 5.74 min Scan# 919
Delta R.T. 0.01 min
Lab File: VL037122.D
Acq: 3 Jun 2021 4:52

Tgt Ion: 83 Resp: 31179
Ion Ratio Lower Upper
83 100
85 56.2 51.1 76.7

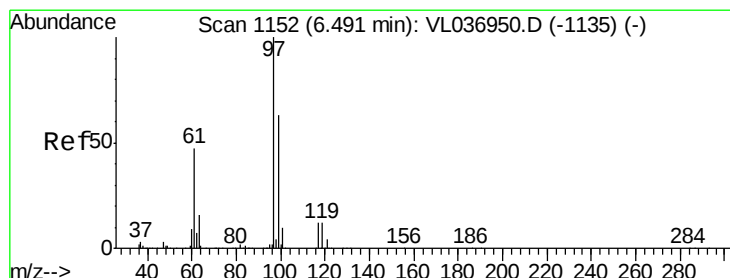
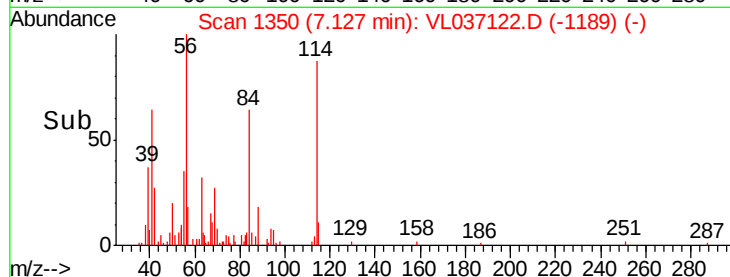
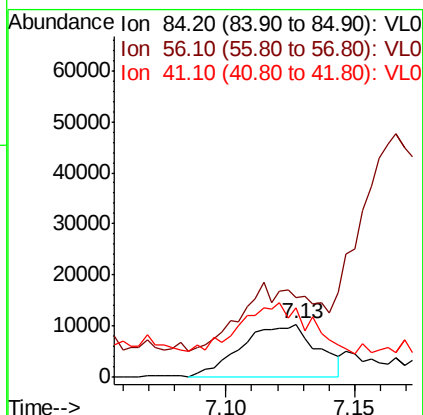
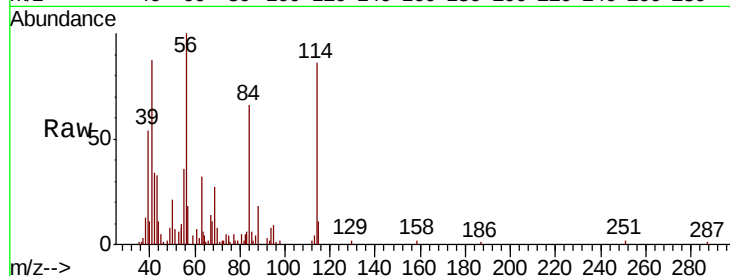




#30
Cvclohexane
Concen: 0.147 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. 0.02 min
Lab File: VL037122.D
Acq: 3 Jun 2021 4:52

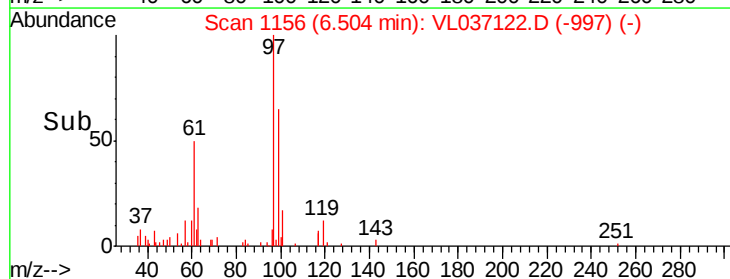
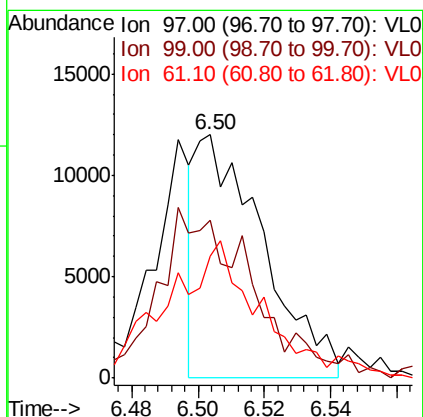
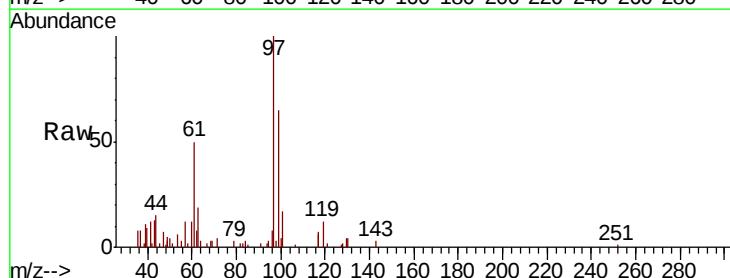
Instrument :
MSVOA_L
ClientSampled :

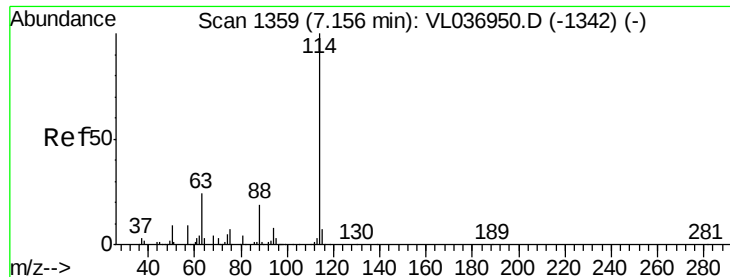
Tot Ion: 84 Resp: 21030
Ion Ratio Lower Upper
84 100
56 0.0 107.9 161.9#
41 96.7 65.5 98.3



#32
1,1,1-Trichloroethane
Concen: 0.065 ppbv
RT: 6.50 min Scan# 1156
Delta R.T. 0.01 min
Lab File: VL037122.D
Acq: 3 Jun 2021 4:52

Tgt Ion: 97 Resp: 16762
Ion Ratio Lower Upper
97 100
99 0.0 51.9 77.9#
61 82.2 37.6 56.4#

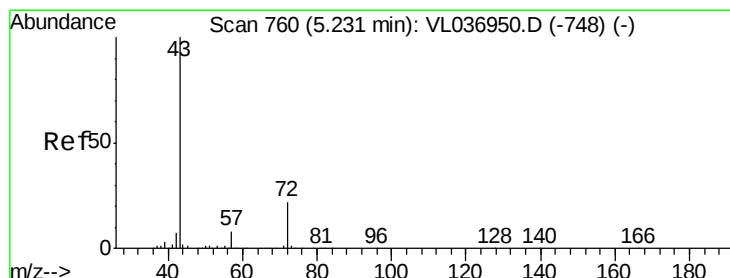
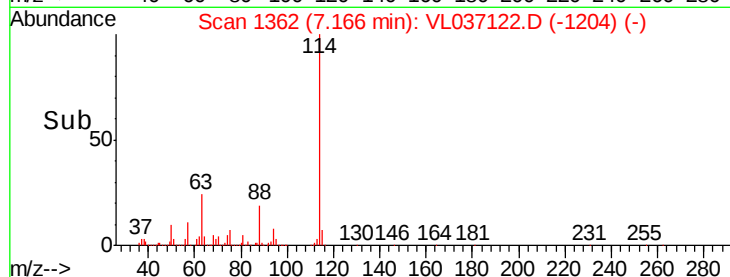
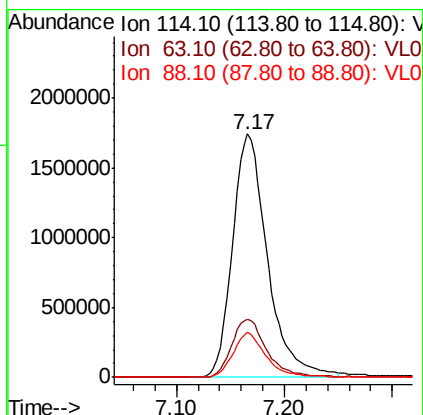
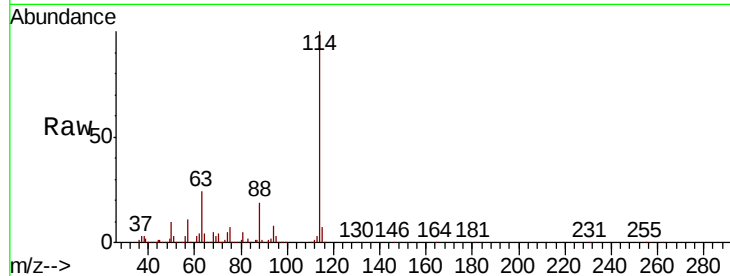




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. 0.01 min
 Lab File: VL037122.D
 Acq: 3 Jun 2021 4:52

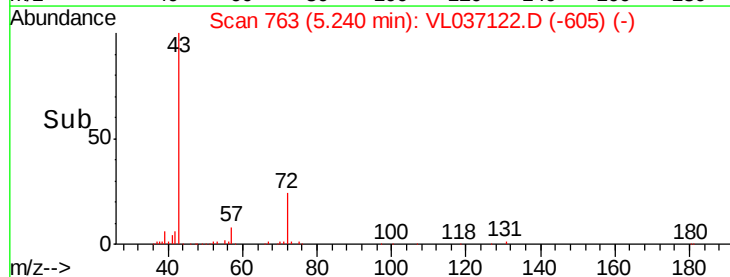
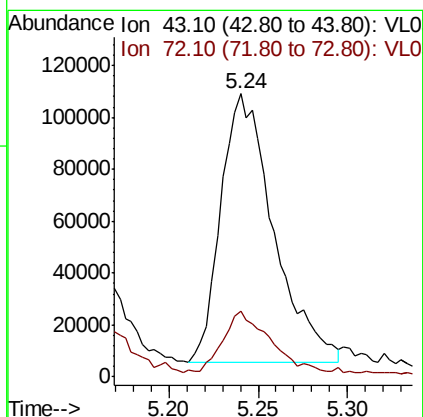
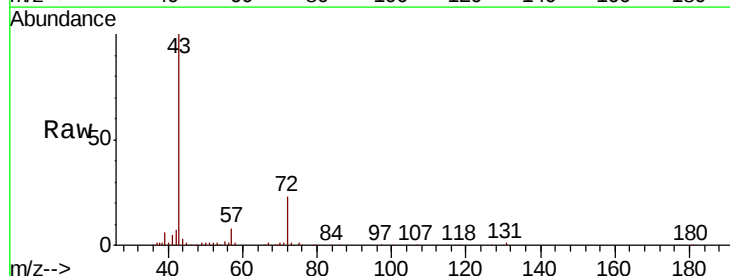
Instrument :
 MSVOA_L
 ClientSampleId :

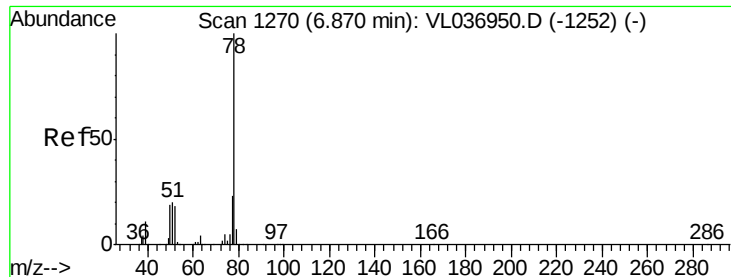
Tot Ion:114 Resp: 3941332
 Ion Ratio Lower Upper
 114 100
 63 24.3 19.6 29.4
 88 18.0 14.6 21.8



#34
 2-Butanone
 Concen: 1.489 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VL037122.D
 Acq: 3 Jun 2021 4:52

Tgt Ion: 43 Resp: 213701
 Ion Ratio Lower Upper
 43 100
 72 26.6 19.0 28.4

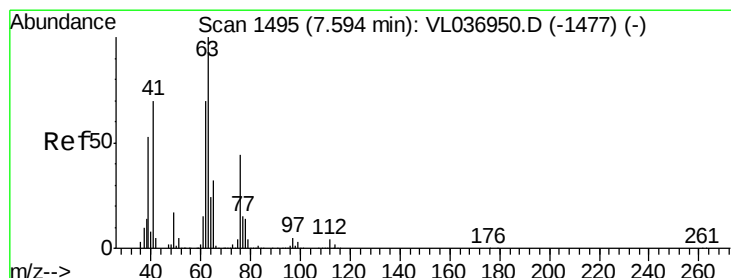
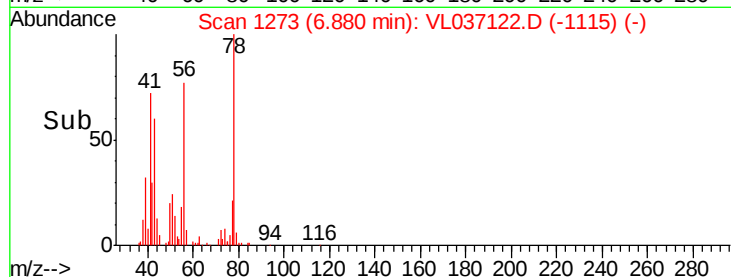
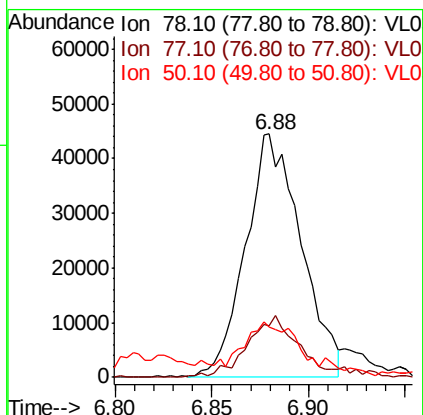
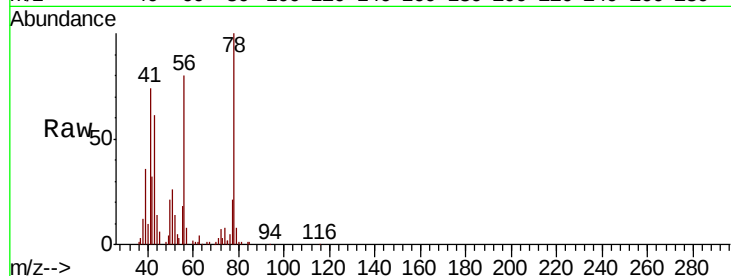




#36
Benzene
Concen: 0.261 ppbv
RT: 6.88 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VL037122.D
Acq: 3 Jun 2021 4:52

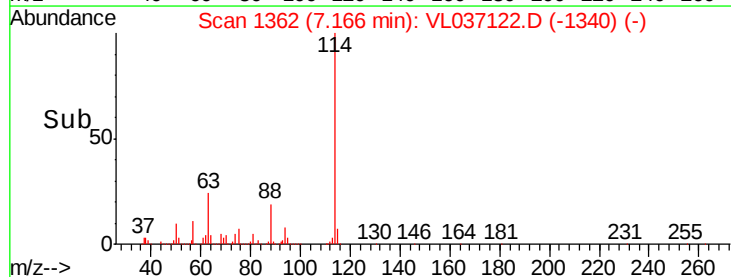
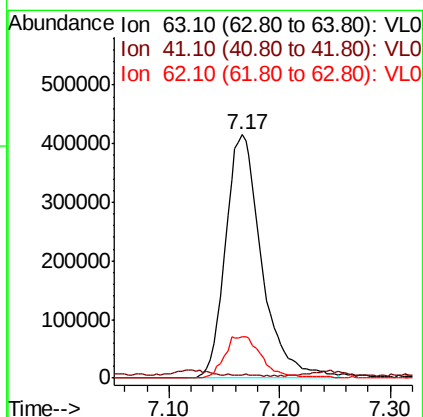
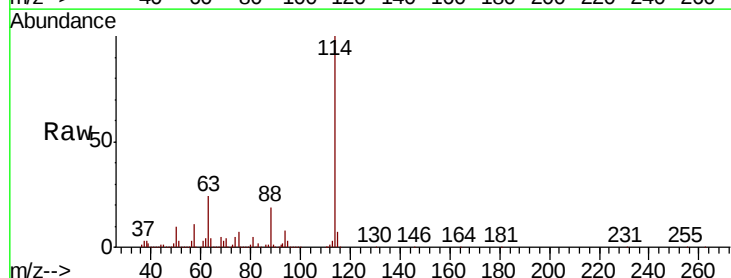
Instrument :
MSVOA_L
ClientSampleId :

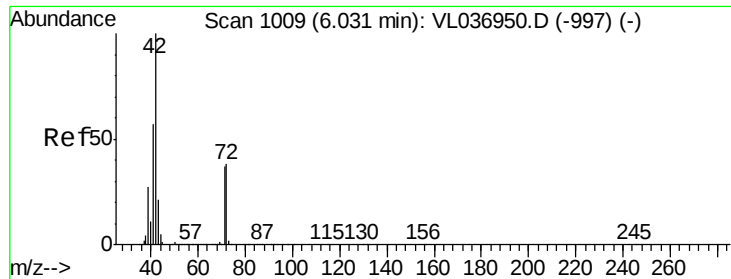
Tot Ion: 78 Resp: 88508
Ion Ratio Lower Upper
78 100
77 20.4 18.6 28.0
50 16.7 15.0 22.4



#39
1,2-Dichloropropane
Concen: 7.218 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.43 min
Lab File: VL037122.D
Acq: 3 Jun 2021 4:52

Tgt Ion: 63 Resp: 943937
Ion Ratio Lower Upper
63 100
41 0.0 55.7 83.5#
62 17.1 56.2 84.4#

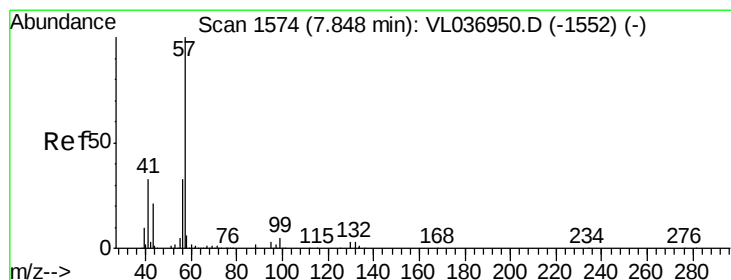
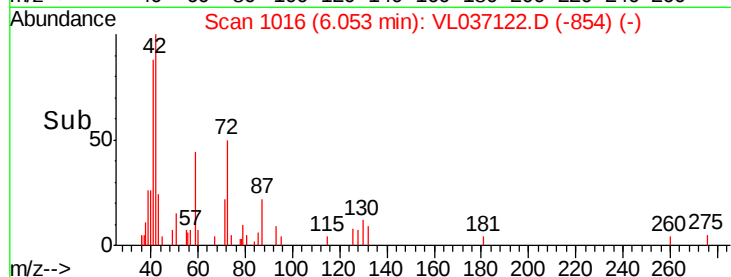
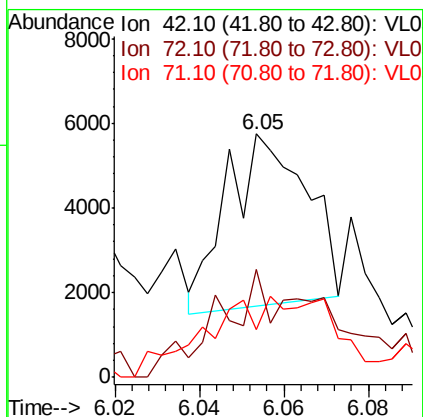
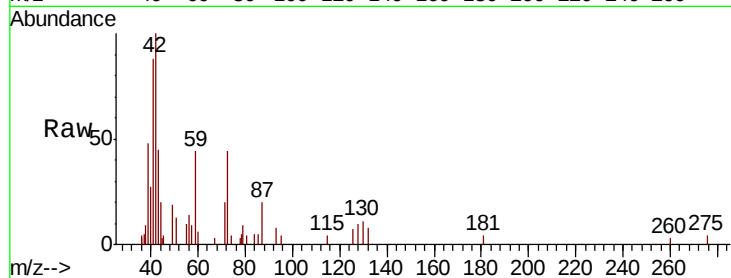




#41
Tetrahydrofuran
Concen: 0.065 ppbv
RT: 6.05 min Scan# 1016
Delta R.T. 0.02 min
Lab File: VL037122.D
Acq: 3 Jun 2021 4:52

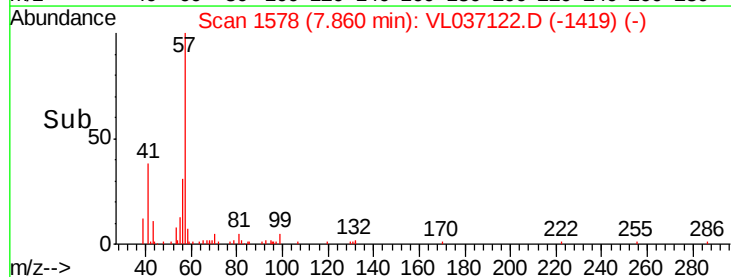
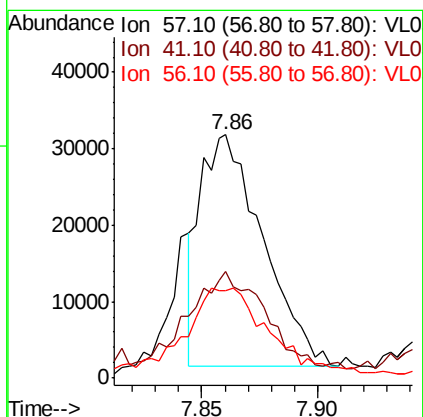
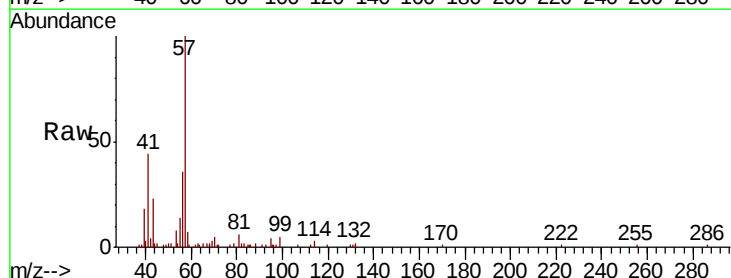
Instrument :
MSVOA_L
ClientSampleId :

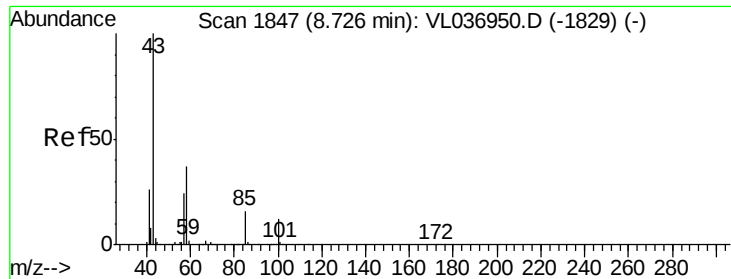
Tot Ion	Ratio	Lower	Upper
42	100		
72	112.7	31.4	47.2#
71	99.5	30.4	45.6#



#44
2,2,4-Trimethylpentane
Concen: 0.097 ppbv
RT: 7.86 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VL037122.D
Acq: 3 Jun 2021 4:52

Tgt Ion	Ratio	Lower	Upper
57	100		
41	54.3	27.0	40.4#
56	52.2	25.4	38.2#

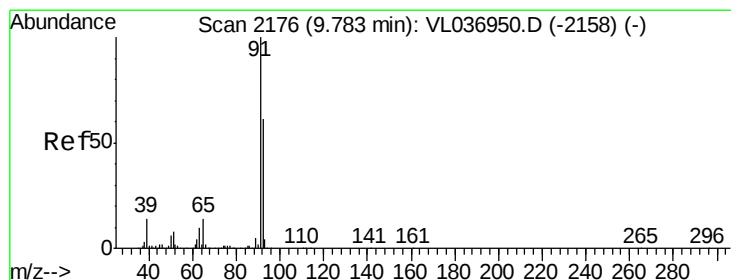
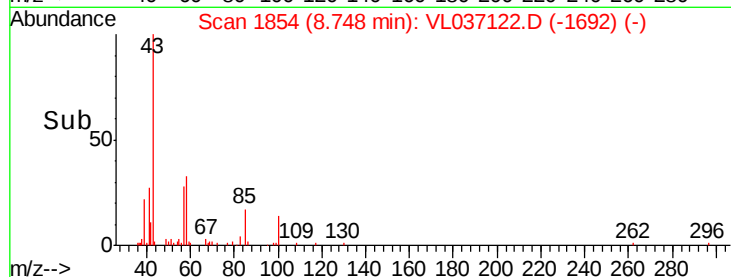
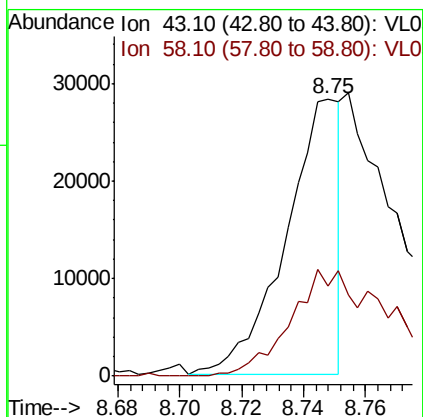
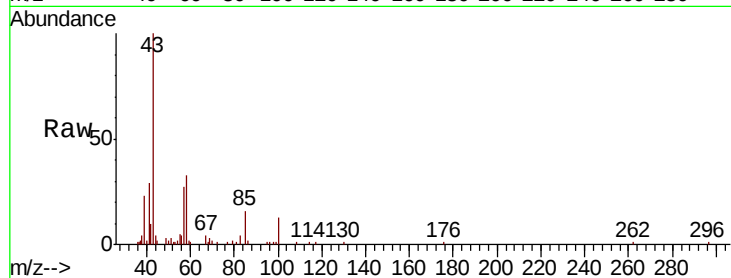




#50
4-Methyl-2-Pentanone
Concen: 0.144 ppbv
RT: 8.75 min Scan# 1854
Delta R.T. 0.02 min
Lab File: VL037122.D
Acq: 3 Jun 2021 4:52

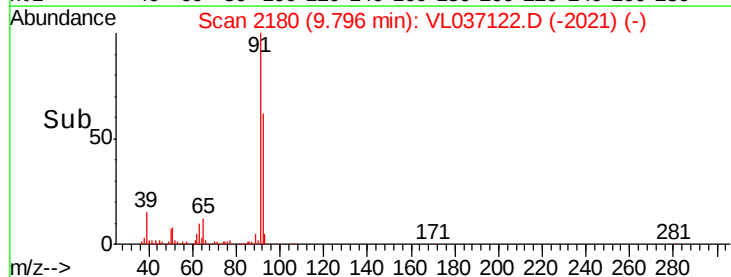
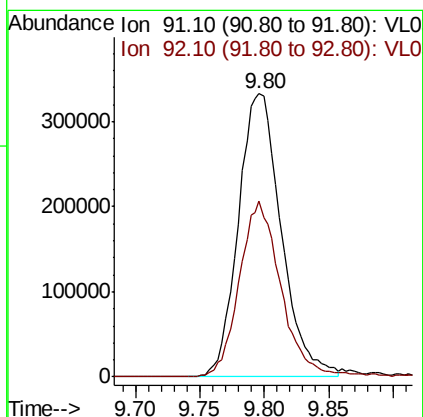
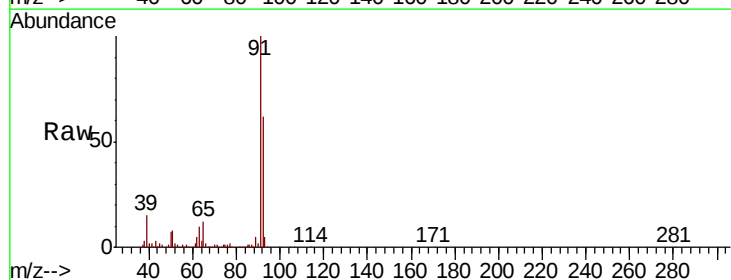
Instrument :
MSVOA_L
ClientSampleId :

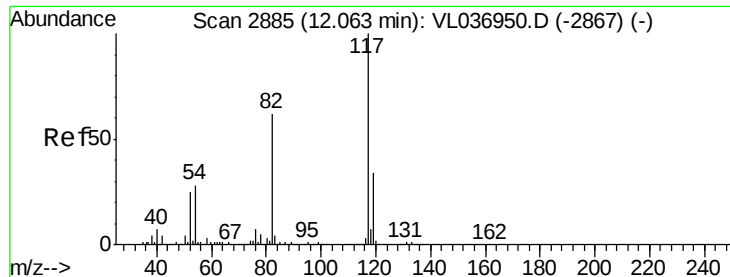
Tot Ion: 43 Resp: 34220
Ion Ratio Lower Upper
43 100
58 82.0 29.4 44.2#



#53
Toluene
Concen: 1.909 ppbv
RT: 9.80 min Scan# 2180
Delta R.T. 0.01 min
Lab File: VL037122.D
Acq: 3 Jun 2021 4:52

Tgt Ion: 91 Resp: 771284
Ion Ratio Lower Upper
91 100
92 60.9 49.5 74.3

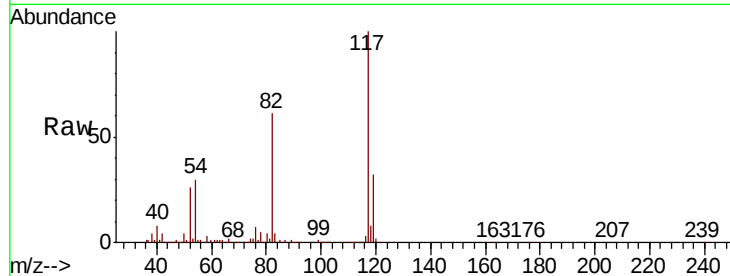




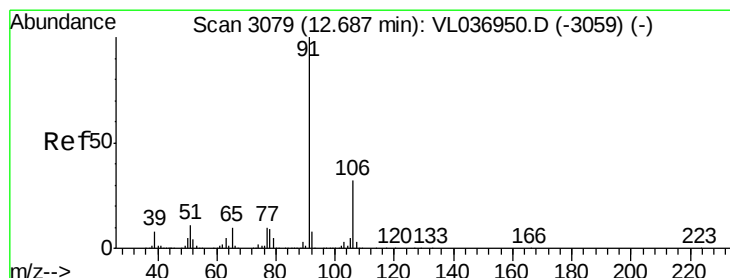
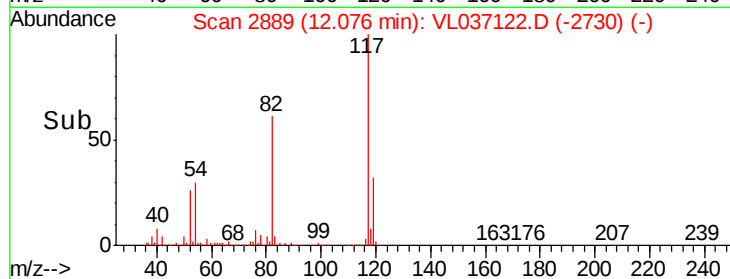
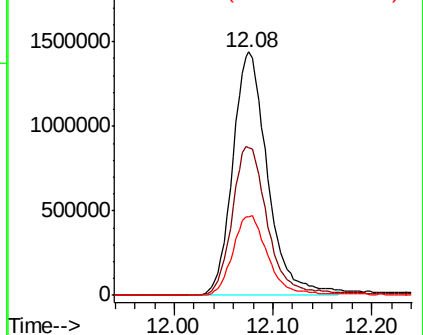
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2889
Delta R.T. 0.01 min
Lab File: VL037122.D
Acq: 3 Jun 2021 4:52

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 3541758
Ion Ratio Lower Upper
117 100
82 64.0 52.6 79.0
119 33.9 46.6 70.0#

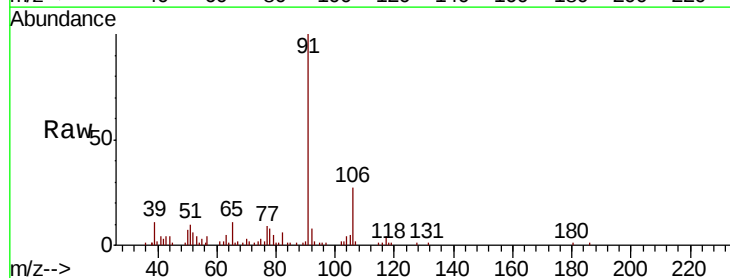


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

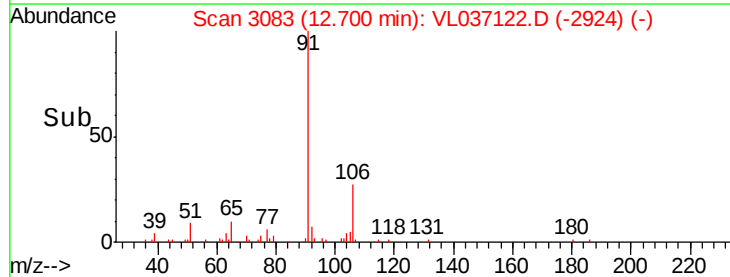
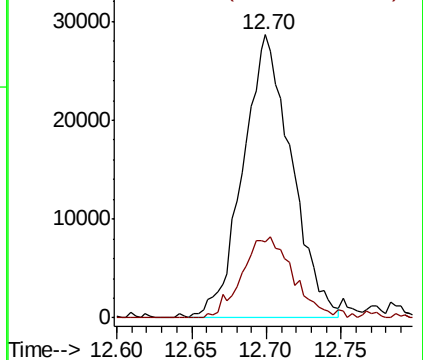


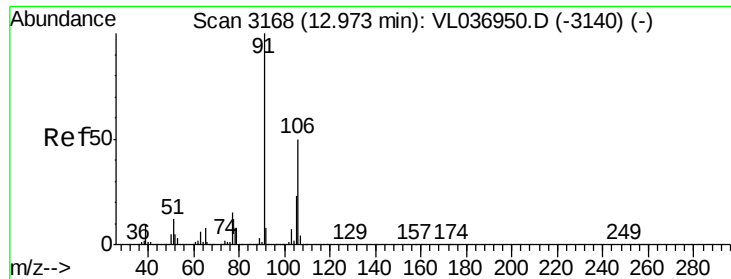
#58
Ethyl Benzene
Concen: 0.129 ppbv
RT: 12.70 min Scan# 3083
Delta R.T. 0.01 min
Lab File: VL037122.D
Acq: 3 Jun 2021 4:52

Tgt Ion: 91 Resp: 64544
Ion Ratio Lower Upper
91 100
106 27.0 25.6 38.4



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

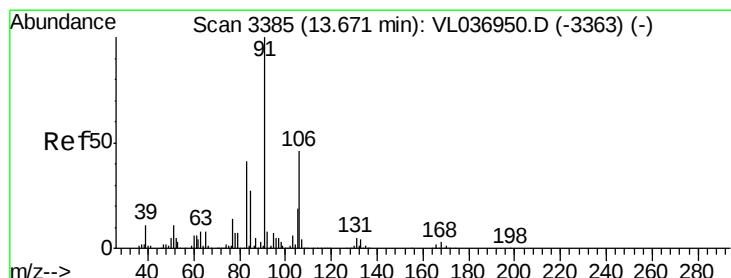
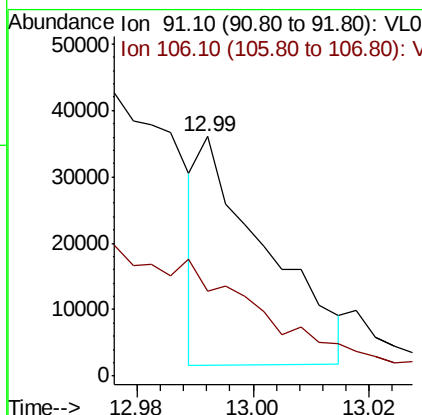
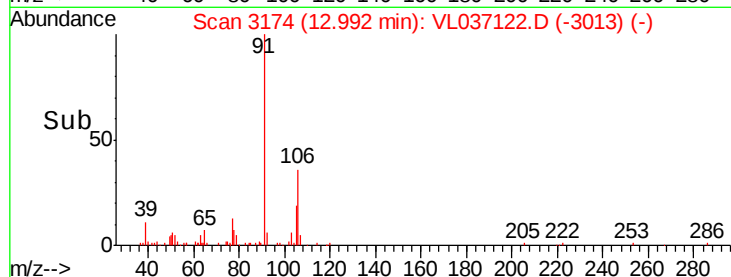
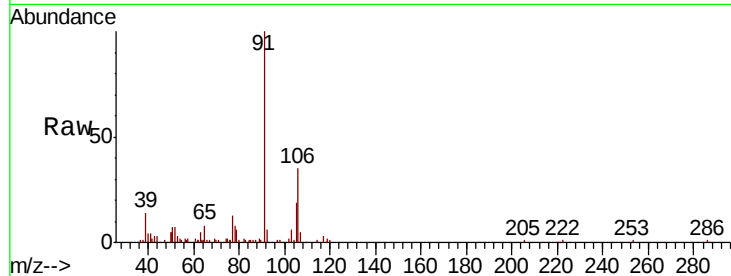




#59
m/p-Xylene
Concen: 0.066 ppbv
RT: 12.99 min Scan# 3174
Delta R.T. 0.02 min
Lab File: VL037122.D
Acq: 3 Jun 2021 4:52

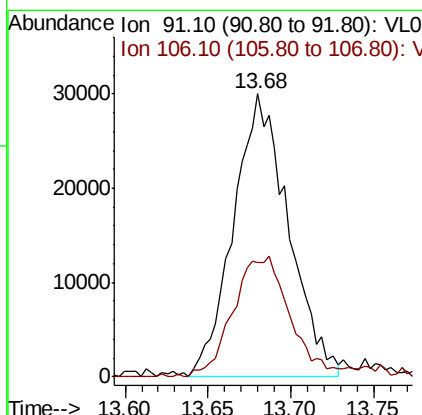
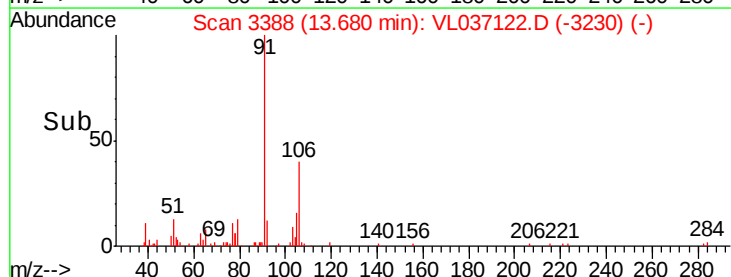
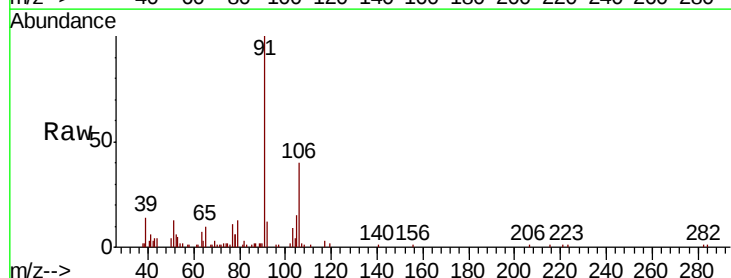
Instrument :
MSVOA_L
ClientSampled :

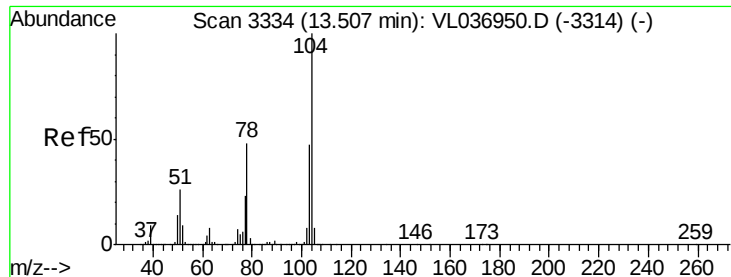
Tot Ion: 91 Resp: 27431
Ion Ratio Lower Upper
91 100
106 0.0 37.4 56.2#



#60
o-Xylene
Concen: 0.176 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. 0.01 min
Lab File: VL037122.D
Acq: 3 Jun 2021 4:52

Tgt Ion: 91 Resp: 69189
Ion Ratio Lower Upper
91 100
106 46.8 23.4 70.3





#61

Stvrene

Concen: 0.105 ppbv

RT: 13.52 min Scan# 3338

Delta R.T. 0.01 min

Lab File: VL037122.D

Acq: 3 Jun 2021 4:52

Instrument :

MSVOA_L

ClientSampled :

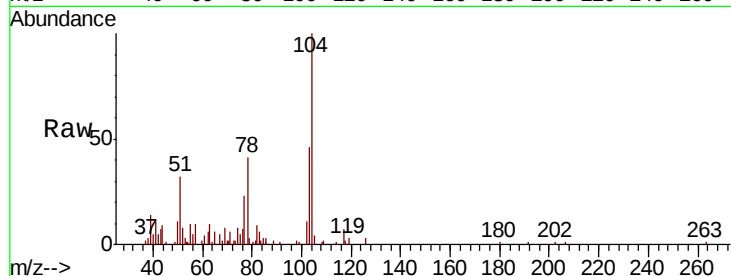
Tot Ion:104 Resp: 23259

Ion Ratio Lower Upper

104 100

78 87.7 39.0 58.6#

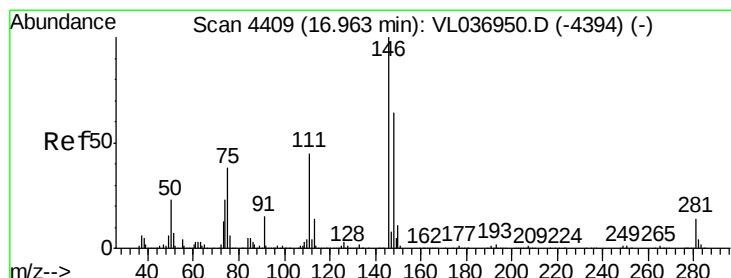
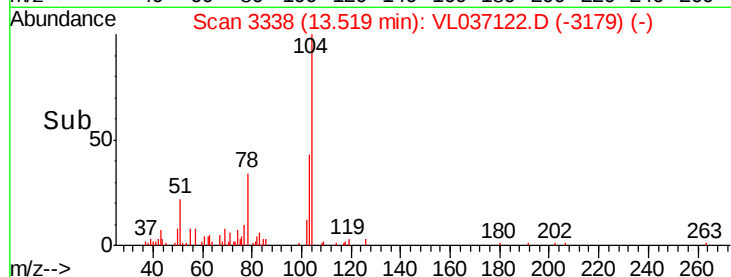
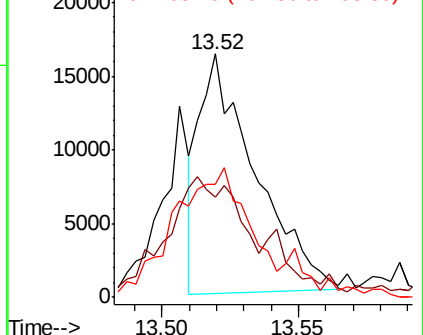
103 84.0 38.0 57.0#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#66

Benzyl Chloride

Concen: 0.050 ppbv

RT: 16.98 min Scan# 4415

Delta R.T. 0.02 min

Lab File: VL037122.D

Acq: 3 Jun 2021 4:52

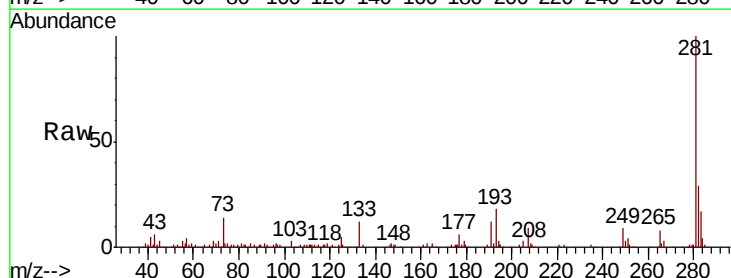
Tgt Ion: 91 Resp: 1415

Ion Ratio Lower Upper

91 100

126 0.0 16.5 24.7#

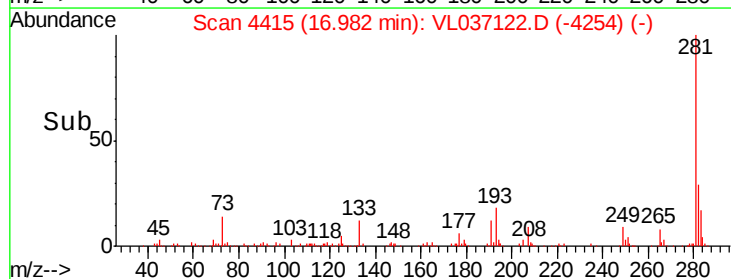
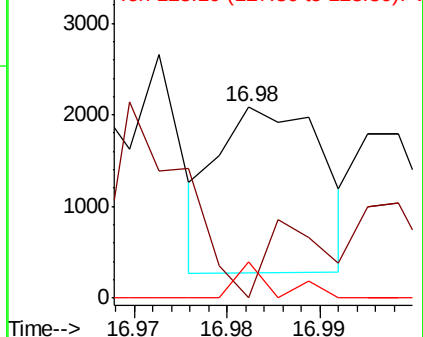
128 7.9 5.5 8.3

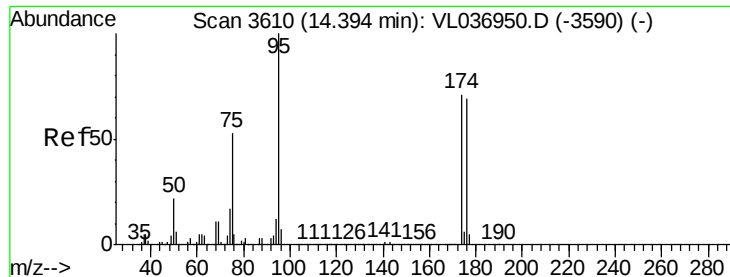


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.811 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. 0.01 min

Lab File: VL037122.D

Acq: 3 Jun 2021 4:52

Instrument :

MSVOA_L

ClientSampleId :

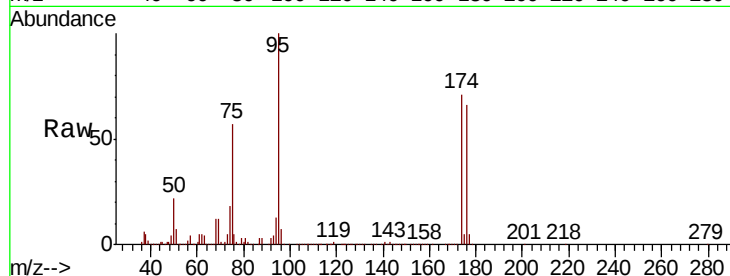
Tot Ion: 95 Resp: 2610463

Ion Ratio Lower Upper

95 100

174 75.0 58.4 87.6

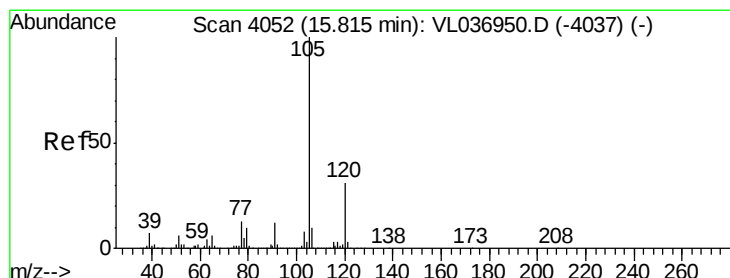
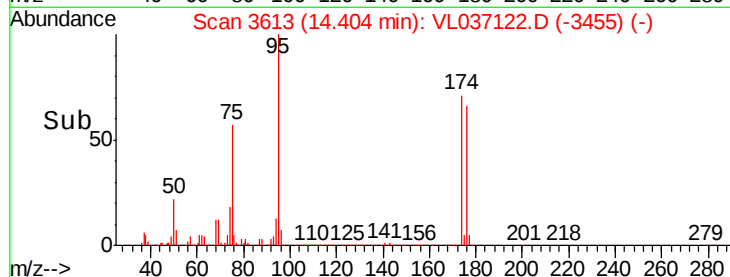
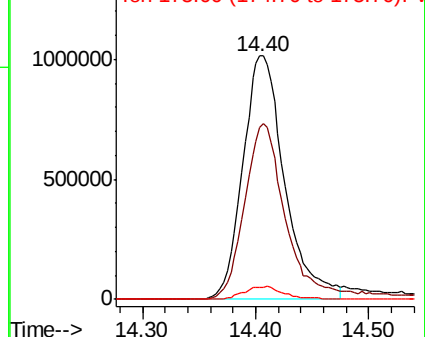
175 5.3 4.4 6.6



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



#72

4-Ethyltoluene

Concen: 0.031 ppbv

RT: 15.83 min Scan# 4057

Delta R.T. 0.02 min

Lab File: VL037122.D

Acq: 3 Jun 2021 4:52

Tgt Ion: 105 Resp: 14276

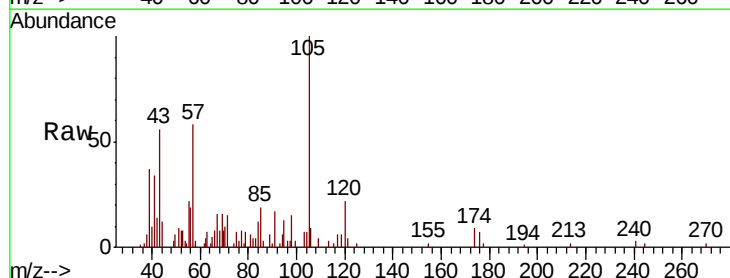
Ion Ratio Lower Upper

105 100

120 55.8 24.6 37.0#

91 29.5 9.8 14.6#

77 0.0 10.4 15.6#

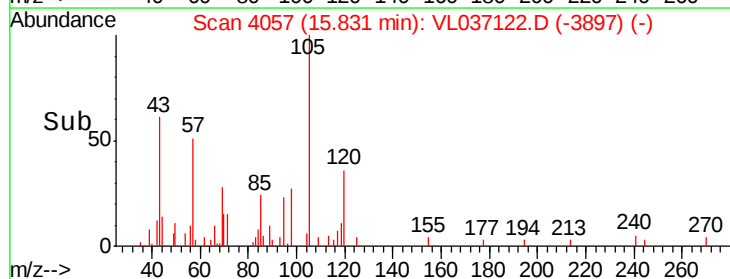
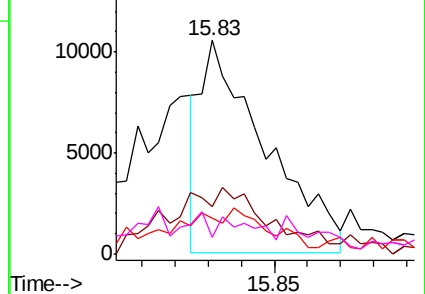


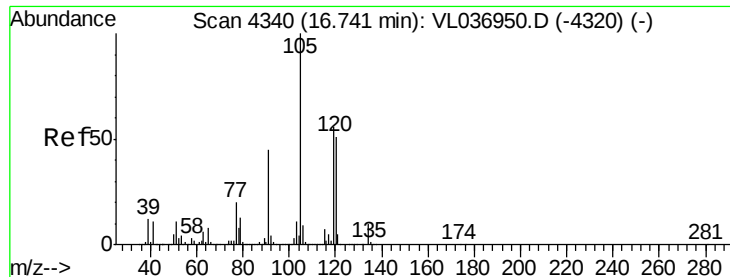
Abundance Ion 105.10 (104.80 to 105.80): V

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





#74

1,2,4-Trimethylbenzene

Concen: 0.151 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. 0.01 min

Lab File: VL037122.D

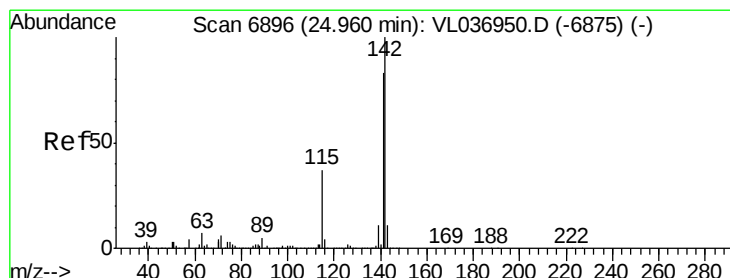
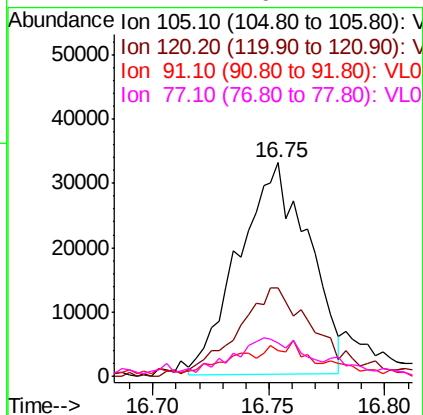
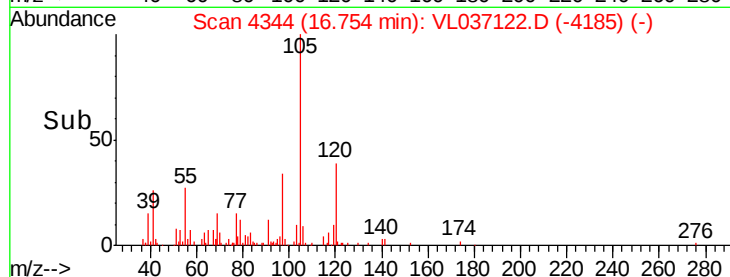
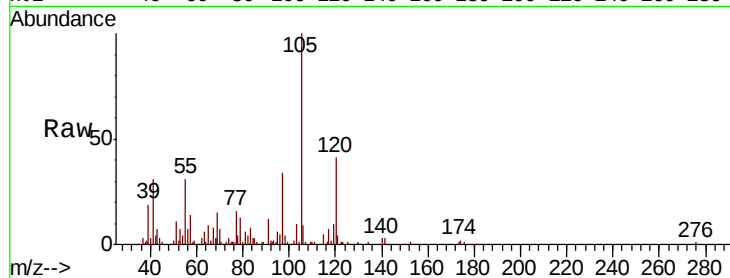
Acq: 3 Jun 2021 4:52

Instrument :

MSVOA_L

ClientSampled :

Tot Ion:	105	Resp:	68716
Ion	Ratio	Lower	Upper
105	100		
120	40.4	40.6	61.0#
91	9.8	37.4	56.0#
77	12.7	16.2	24.4#



#80

Naphthalene, 2-methyl-

Concen: 0.051 ppbv

RT: 24.97 min Scan# 6899

Delta R.T. 0.01 min

Lab File: VL037122.D

Acq: 3 Jun 2021 4:52

Tgt Ion:	142	Resp:	3939
Ion	Ratio	Lower	Upper
142	100		
141	66.0	69.3	103.9#
115	60.3	29.1	43.7#

