

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051821\
 Data File : VL036971.D
 Acq On : 18 May 2021 16:24
 Operator : SY/AP
 Sample : M2430-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Quant Time: May 19 03:13:55 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

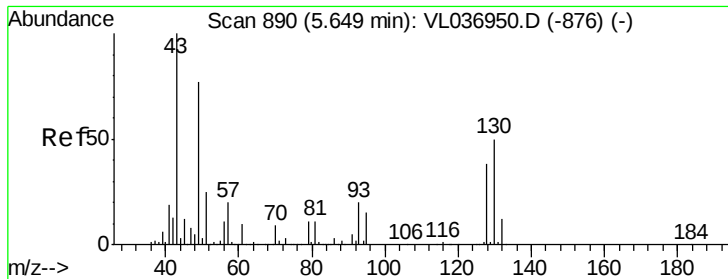
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1343051	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3703330	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3425699	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2557561	9.94	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.95	51	1673844	6.803	ppbv #	75
4) Chloromethane	3.13	50	87096	1.040	ppbv	90
7) Chloroethane	3.54	64	1139	0.038	ppbv #	86
9) Propene	3.19	41	1506424	17.098	ppbv	91
10) Heptane	8.10	43	25058	0.114	ppbv #	64
11) Trichlorofluoromethane	3.93	101	43663	0.207	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	5873	0.039	ppbv #	35
13) Ethanol	3.63	45	24278361	2065.276	ppbv	94
15) Acetone	3.83	43	2025444	14.724	ppbv	94
16) 1,3-Butadiene	3.34	39	193142	2.260	ppbv #	17
17) tert-Butyl alcohol	3.99	59	342652	2.719	ppbv	98
19) Isopropyl Alcohol	3.99	45	8516997	115.176	ppbv #	32
20) Methylene Chloride	4.33	84	717728	9.733	ppbv	94
21) Allyl Chloride	4.65	41	38489	0.371	ppbv #	34
23) Vinyl Acetate	5.05	43	228762	1.048	ppbv #	84
25) Ethyl Acetate	5.66	43	1016324	3.075	ppbv	96
26) Hexane	5.66	57	617856	3.659	ppbv	83
27) Carbon Disulfide	4.53	76	10915	0.064	ppbv #	68
29) Chloroform	5.73	83	127074	0.533	ppbv	96
31) cis-1,2-Dichloroethene	5.53	61	21836	0.144	ppbv	93
34) 2-Butanone	5.23	43	185948	1.379	ppbv	93
35) Carbon Tetrachloride	7.00	117	8176	0.033	ppbv	92
36) Benzene	6.87	78	105768	0.332	ppbv	98
37) 1,2-Dichloroethane	6.29	62	24396	0.154	ppbv	99
38) Trichloroethene	7.82	130	128788	0.944	ppbv	96
39) 1,2-Dichloropropane	7.15	63	878515	7.149	ppbv #	25
40) 1,4-Dioxane	7.82	88	1490	0.051	ppbv #	100
41) Tetrahydrofuran	6.04	42	14518	0.189	ppbv #	72
44) 2,2,4-Trimethylpentane	7.85	57	37133	0.068	ppbv #	42
50) 4-Methyl-2-Pentanone	8.73	43	9247	0.042	ppbv #	1
52) Tetrachloroethene	11.20	164	253539	1.999	ppbv	96
53) Toluene	9.79	91	261876	0.690	ppbv	99
58) Ethyl Benzene	12.94	91	24645	0.051	ppbv	91
60) o-Xylene	13.68	91	18330	0.048	ppbv #	35
61) Styrene	13.50	104	17659	0.082	ppbv #	65
69) p-Isopropyltoluene	17.64	119	23031	0.040	ppbv #	1

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

Lab File: VL036971.D

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IA1

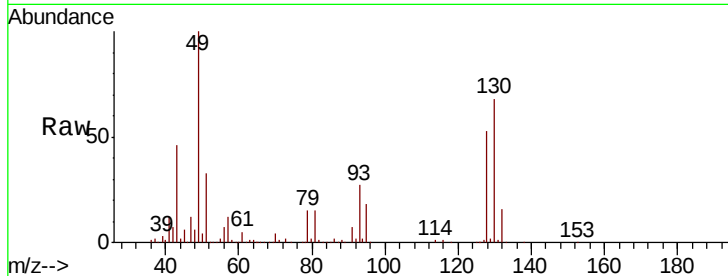
Tot Ion: 49 Resp: 1343051

Ion Ratio Lower Upper

49 100

128 52.2 26.9 80.7

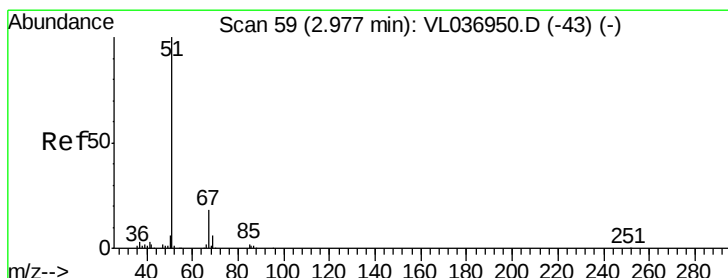
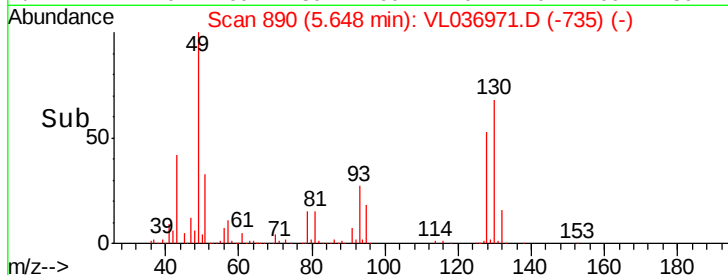
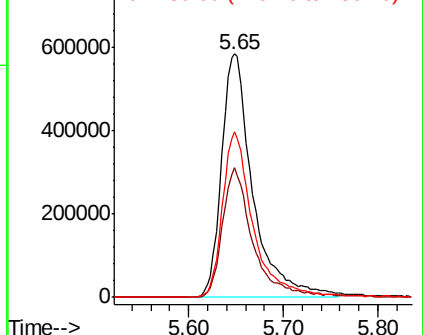
130 66.8 33.8 101.4



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



#3

Chlorodifluoromethane

Concen: 6.803 ppbv

RT: 2.95 min Scan# 51

Delta R.T. -0.03 min

Lab File: VL036971.D

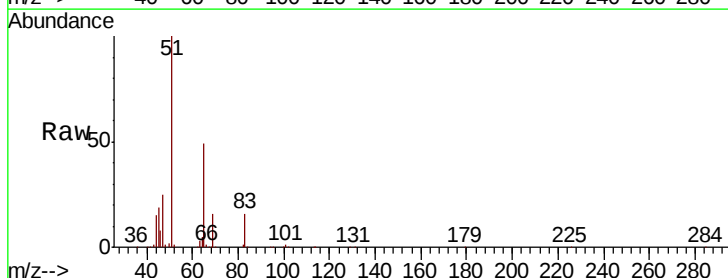
Acq: 18 May 2021 16:24

Tgt Ion: 51 Resp: 1673844

Ion Ratio Lower Upper

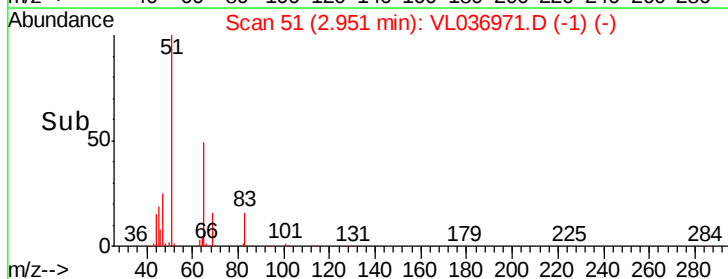
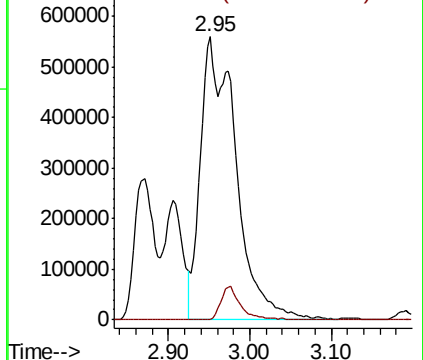
51 100

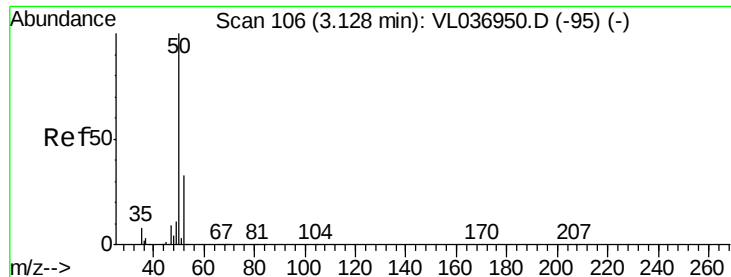
67 7.1 14.6 21.8#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 1.040 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.00 min

Lab File: VL036971.D

Acq: 18 May 2021 16:24

Instrument :

MSVOA_L

ClientSampleId :

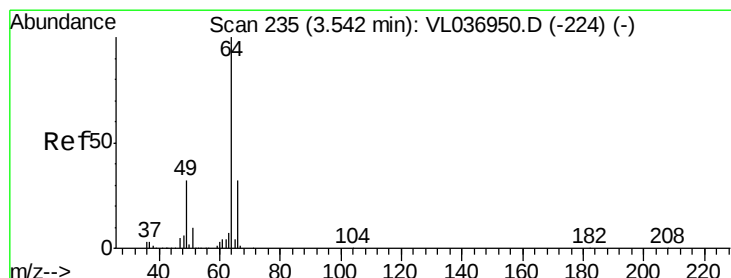
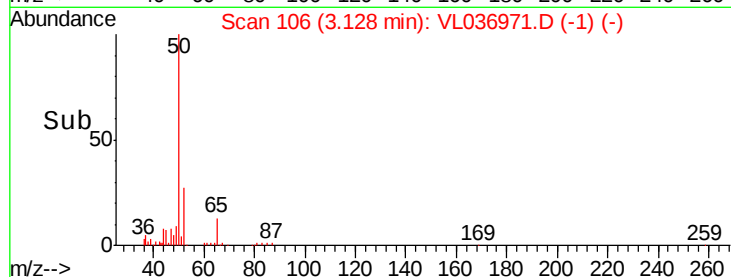
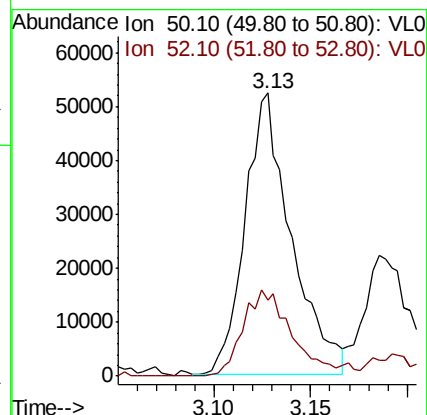
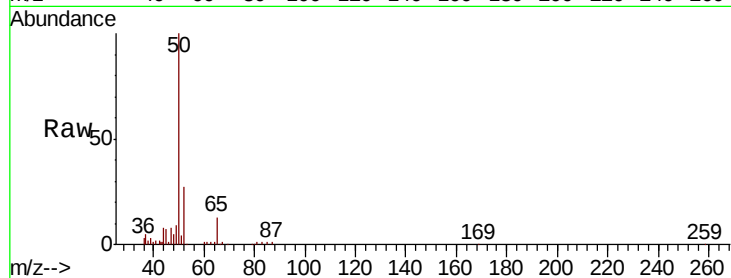
IA1

Tot Ion: 50 Resp: 87096

Ion Ratio Lower Upper

50 100

52 27.0 26.1 39.1



#7

Chloroethane

Concen: 0.038 ppbv

RT: 3.54 min Scan# 235

Delta R.T. -0.00 min

Lab File: VL036971.D

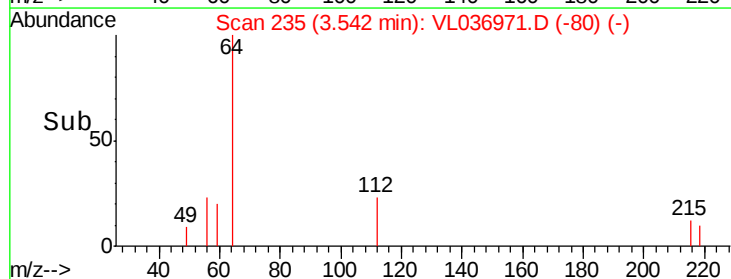
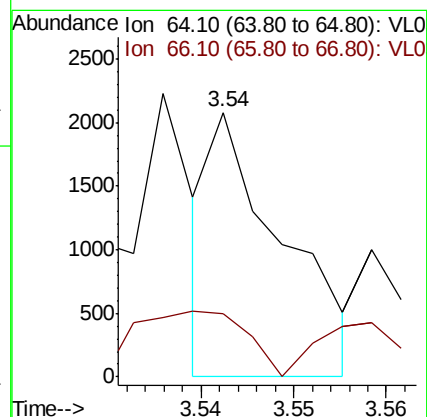
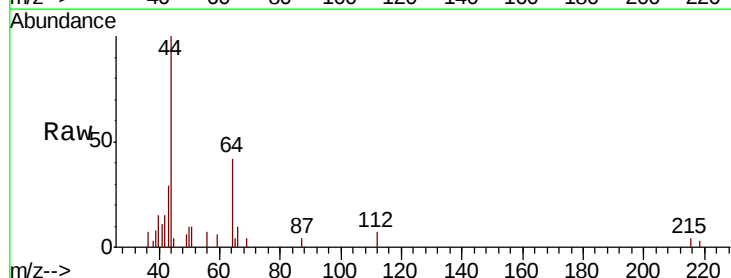
Acq: 18 May 2021 16:24

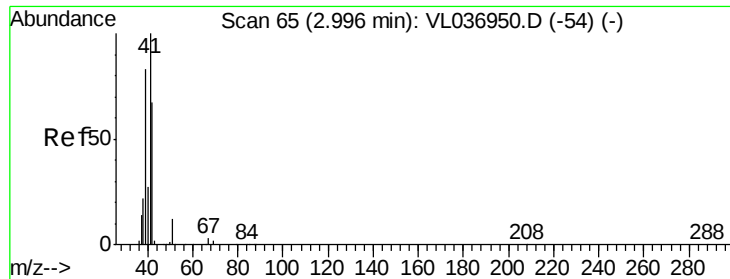
Tgt Ion: 64 Resp: 1139

Ion Ratio Lower Upper

64 100

66 23.8 25.4 38.2#





#9

Propene

Concen: 17.098 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.19 min

Lab File: VL036971.D

Acq: 18 May 2021 16:24

Instrument :

MSVOA_L

ClientSampleId :

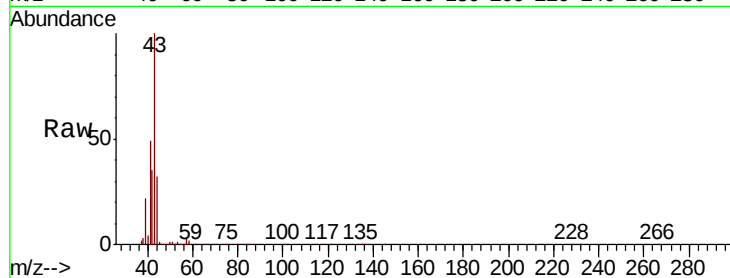
IA1

Tot Ion: 41 Resp: 1506424

Ion Ratio Lower Upper

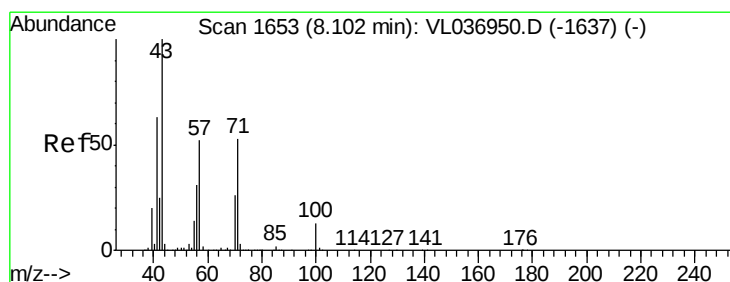
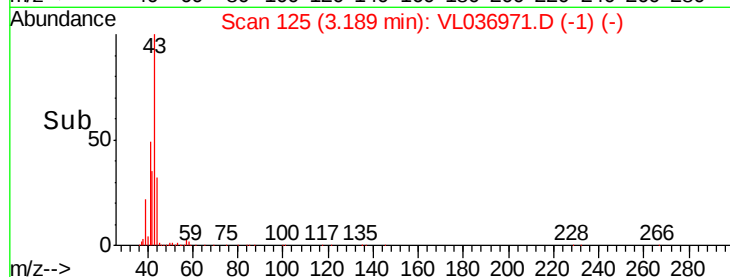
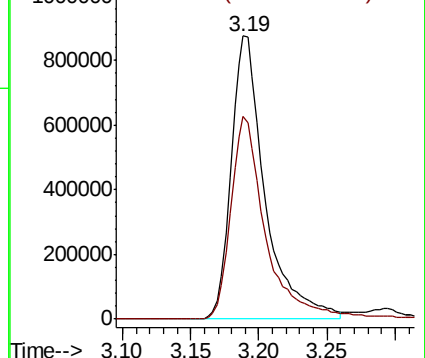
41 100

42 74.4 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: 0.114 ppbv

RT: 8.10 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VL036971.D

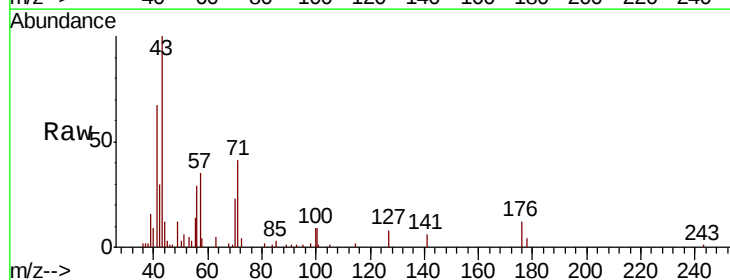
Acq: 18 May 2021 16:24

Tgt Ion: 43 Resp: 25058

Ion Ratio Lower Upper

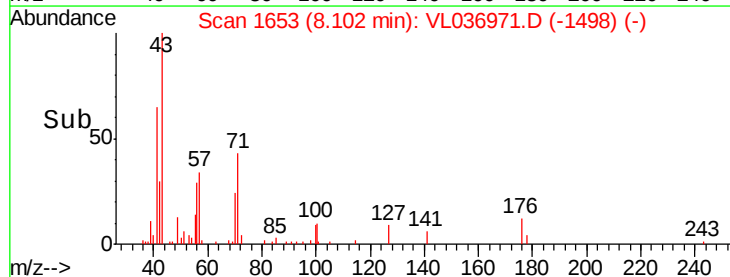
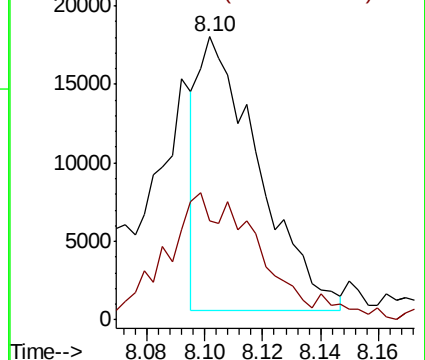
43 100

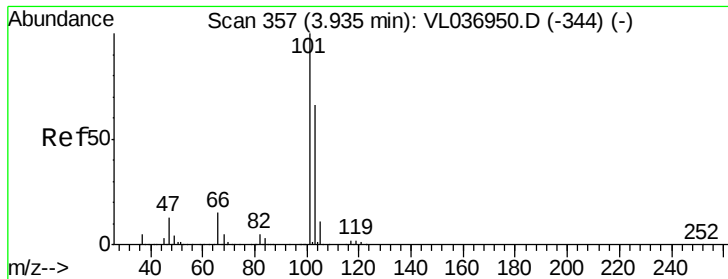
57 76.5 41.0 61.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

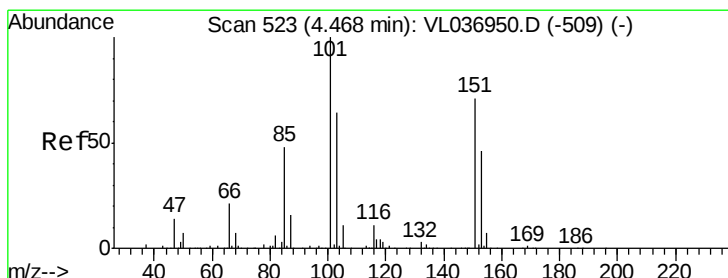
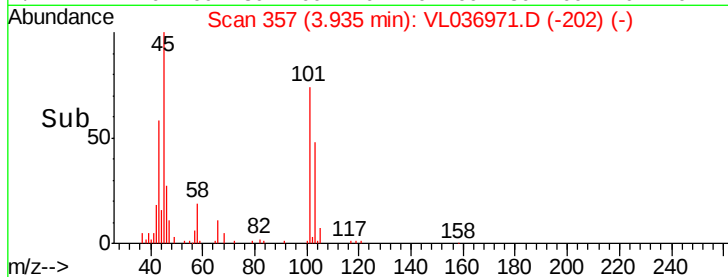
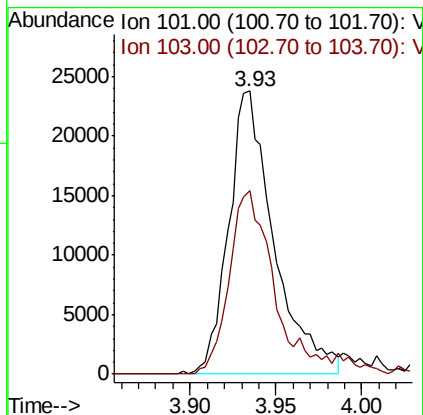
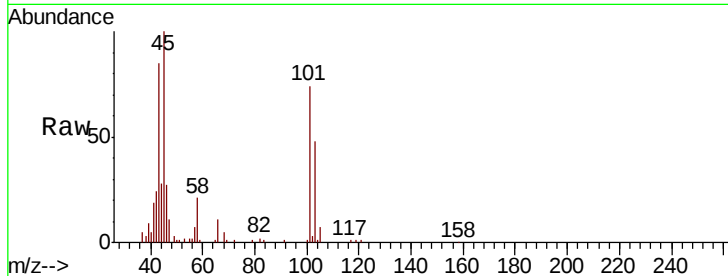




#11
 Trichlorofluoromethane
 Concen: 0.207 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VL036971.D
 Acq: 18 May 2021 16:24

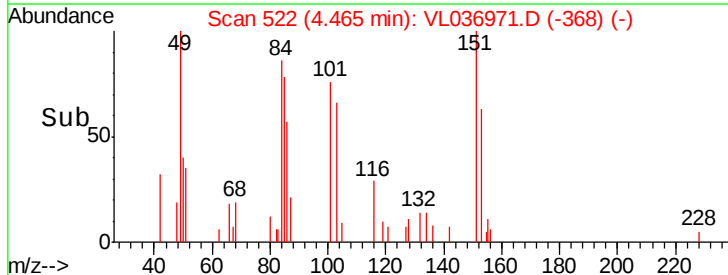
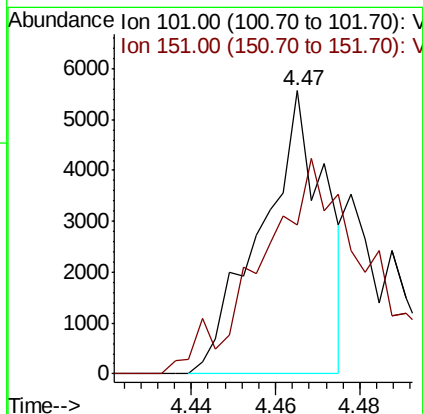
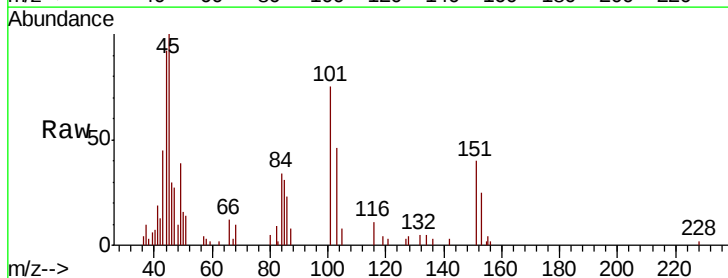
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

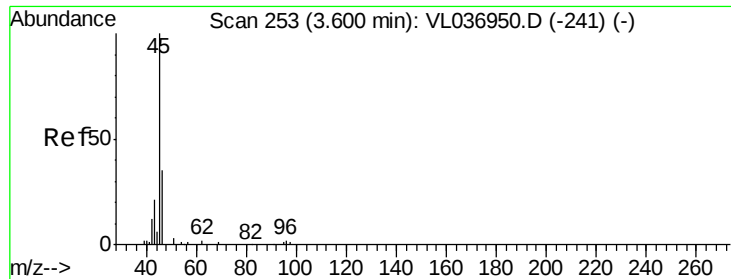
Tot Ion:101 Resp: 43663
 Ion Ratio Lower Upper
 101 100
 103 64.8 52.6 79.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.039 ppbv
 RT: 4.47 min Scan# 522
 Delta R.T. -0.00 min
 Lab File: VL036971.D
 Acq: 18 May 2021 16:24

Tgt Ion:101 Resp: 5873
 Ion Ratio Lower Upper
 101 100
 151 126.5 57.7 86.5#

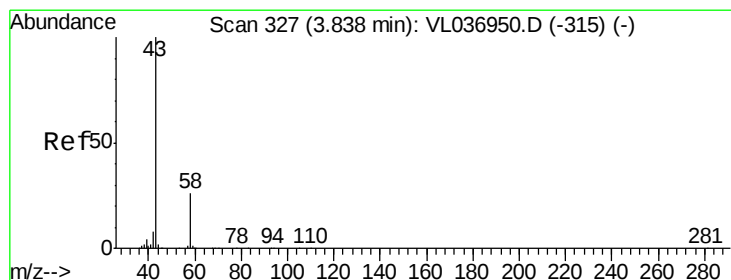
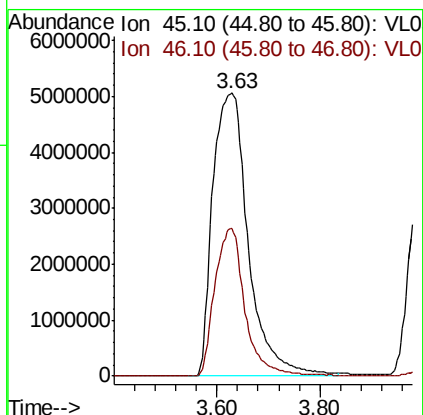
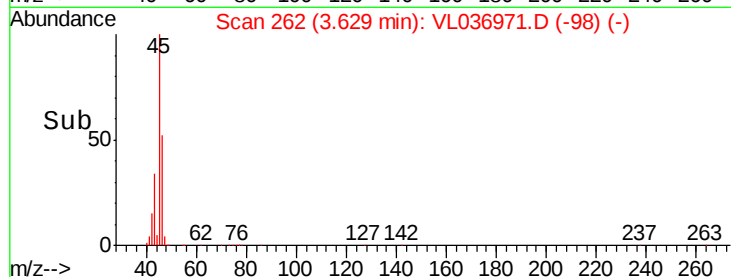
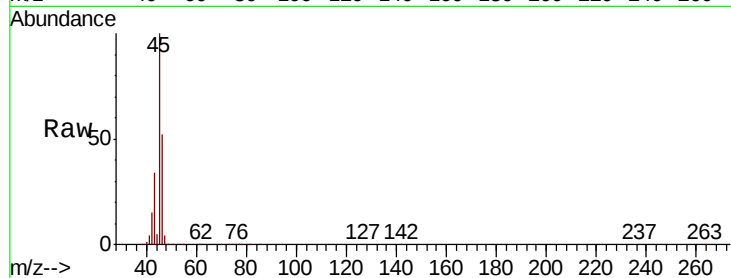




#13
 Ethanol
 Concen: 2065.276 ppbv
 RT: 3.63 min Scan# 262
 Delta R.T. 0.03 min
 Lab File: VL036971.D
 Acq: 18 May 2021 16:24

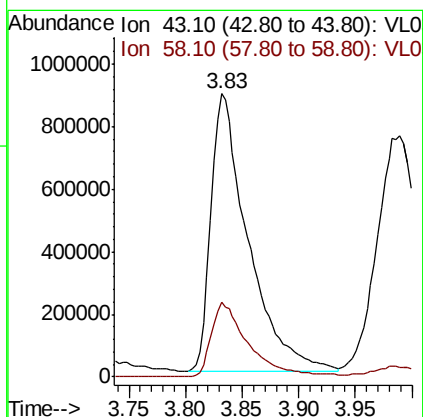
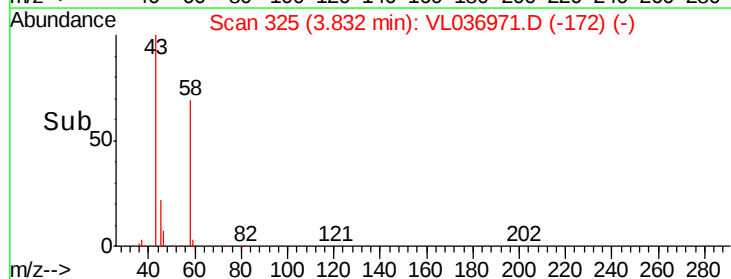
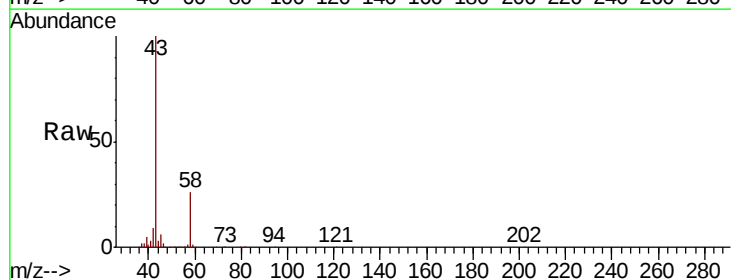
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

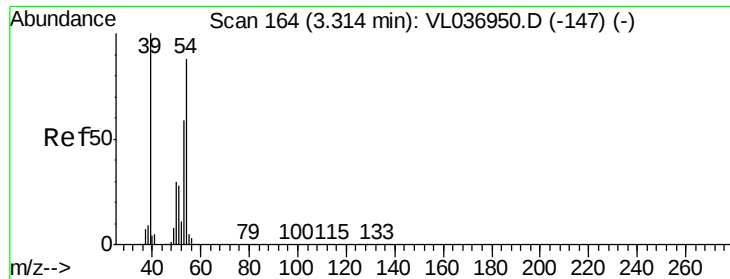
Tot Ion: 45 Resp: 24278361
 Ion Ratio Lower Upper
 45 100
 46 44.5 16.3 65.3



#15
 Acetone
 Concen: 14.724 ppbv
 RT: 3.83 min Scan# 325
 Delta R.T. -0.01 min
 Lab File: VL036971.D
 Acq: 18 May 2021 16:24

Tgt Ion: 43 Resp: 2025444
 Ion Ratio Lower Upper
 43 100
 58 26.9 24.0 36.0

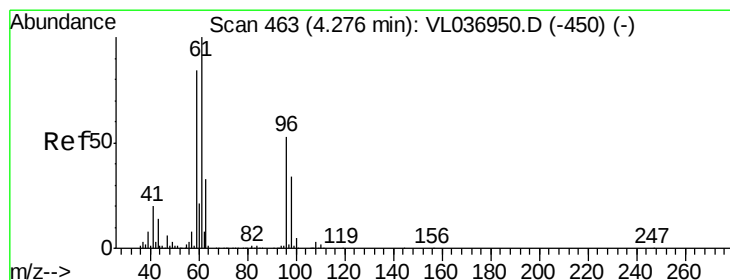
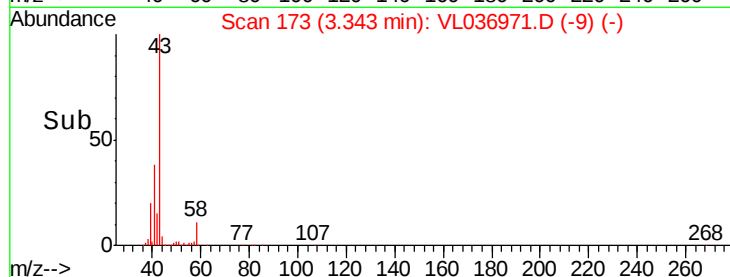
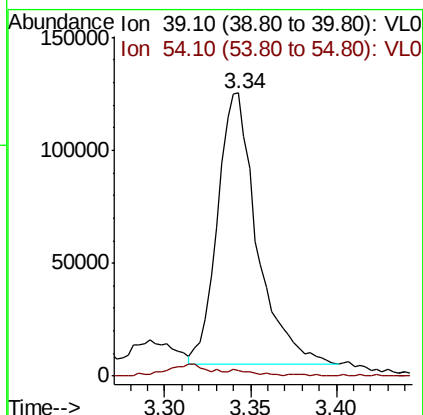
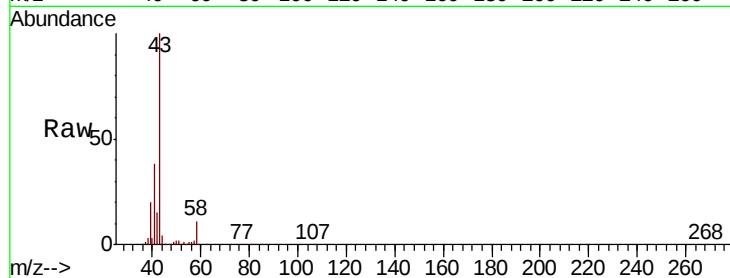




#16
 1,3-Butadiene
 Concen: 2.260 ppbv
 RT: 3.34 min Scan# 173
 Delta R.T. 0.03 min
 Lab File: VL036971.D
 Acq: 18 May 2021 16:24

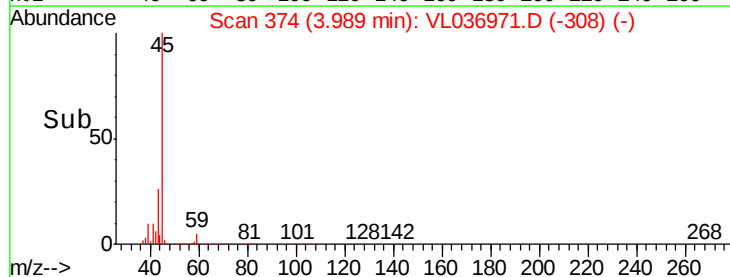
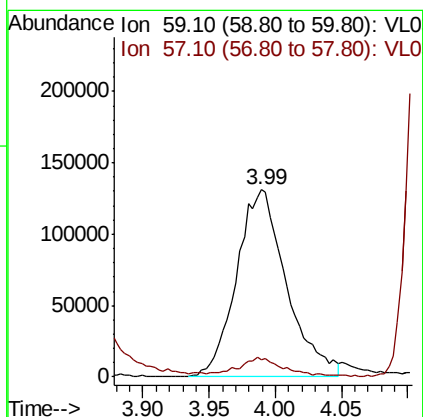
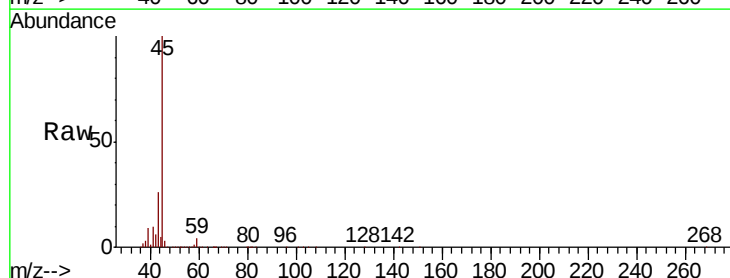
Instrument :
 MSVOA_L
 ClientSampleID :
 IA1

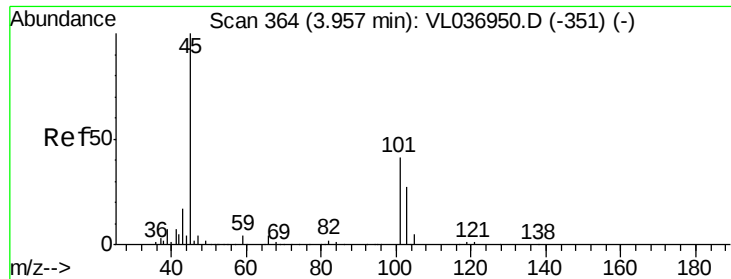
Tot Ion: 39 Resp: 193142
 Ion Ratio Lower Upper
 39 100
 54 6.6 63.2 94.8#



#17
 tert-Butyl alcohol
 Concen: 2.719 ppbv
 RT: 3.99 min Scan# 374
 Delta R.T. -0.29 min
 Lab File: VL036971.D
 Acq: 18 May 2021 16:24

Tgt Ion: 59 Resp: 342652
 Ion Ratio Lower Upper
 59 100
 57 9.7 8.3 12.5





#19

Isopropyl Alcohol

Concen: 115.176 ppbv

RT: 3.99 min Scan# 373

Delta R.T. 0.03 min

Lab File: VL036971.D

Acq: 18 May 2021 16:24

Instrument :

MSVOA_L

ClientSampleId :

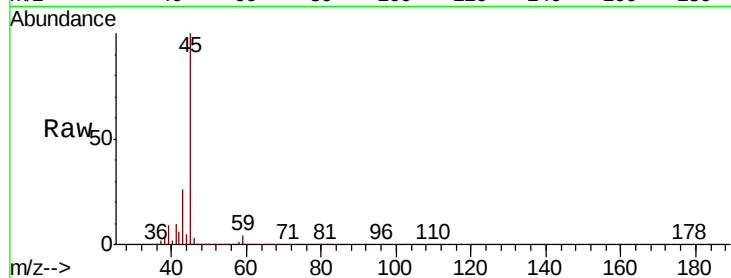
IA1

Tot Ion: 45 Resp: 8516997

Ion Ratio Lower Upper

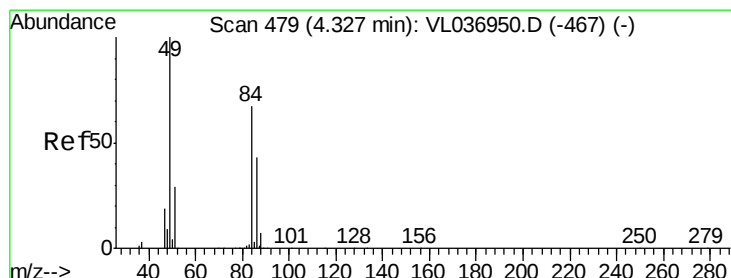
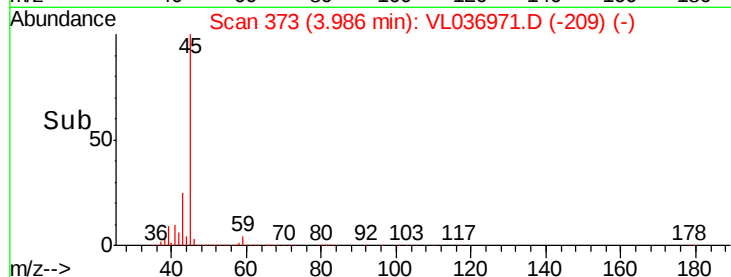
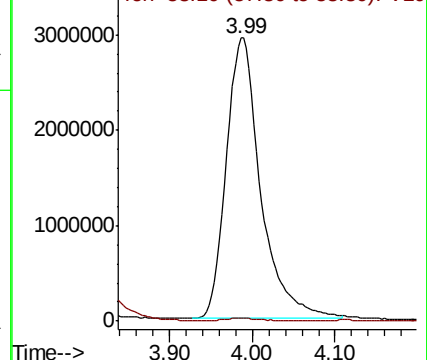
45 100

58 1.3 37.2 55.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 9.733 ppbv

RT: 4.33 min Scan# 479

Delta R.T. -0.00 min

Lab File: VL036971.D

Acq: 18 May 2021 16:24

Tgt Ion: 84 Resp: 717728

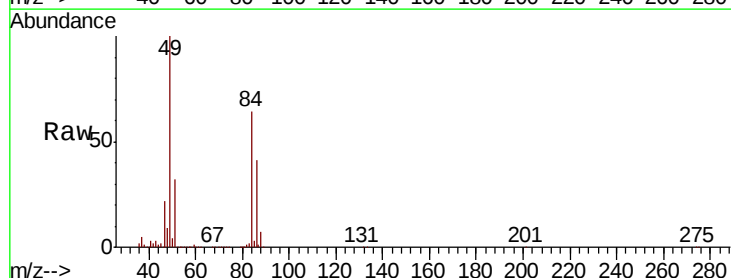
Ion Ratio Lower Upper

84 100

49 157.1 119.8 179.6

51 50.0 35.1 52.7

86 65.2 50.9 76.3

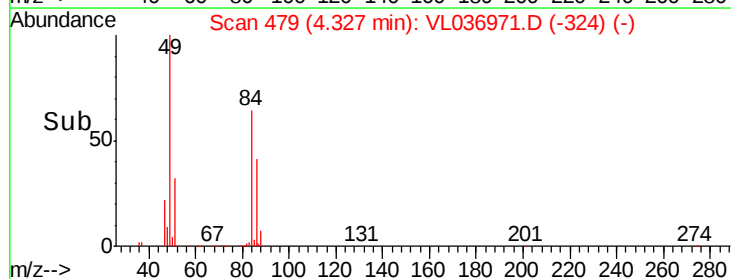
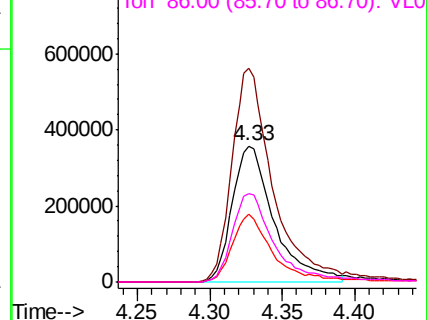


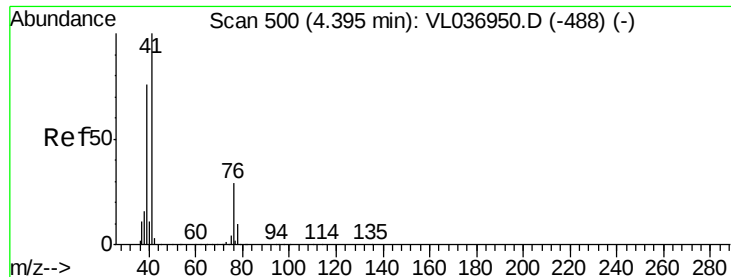
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

Allvl Chloride

Concen: 0.371 ppbv

RT: 4.65 min Scan# 580

Delta R.T. 0.26 min

Lab File: VL036971.D

Acq: 18 May 2021 16:24

Instrument :

MSVOA_L

ClientSampleId :

IA1

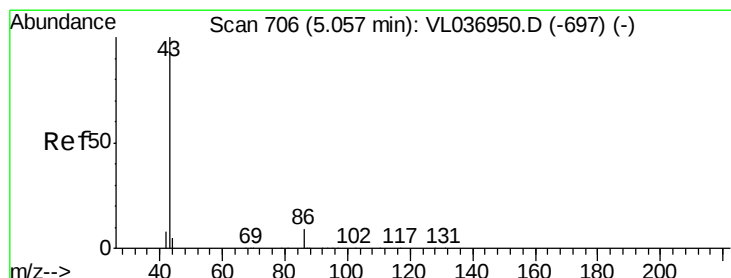
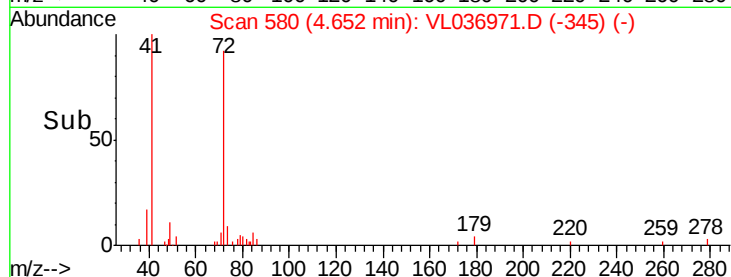
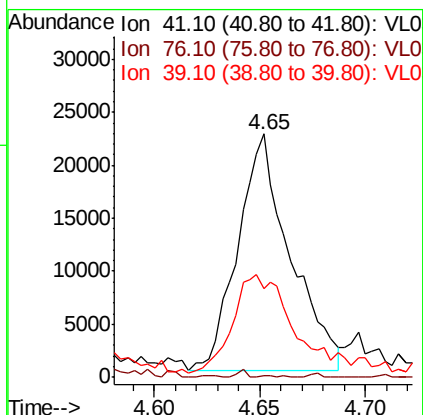
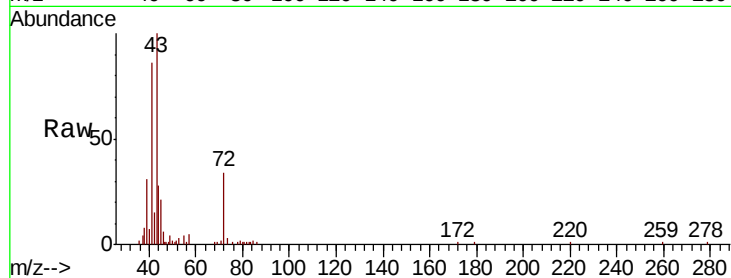
Tot Ion: 41 Resp: 38489

Ion Ratio Lower Upper

41 100

76 33.9 24.9 37.3

39 0.0 63.7 95.5#



#23

Vinyl Acetate

Concen: 1.048 ppbv

RT: 5.05 min Scan# 703

Delta R.T. -0.01 min

Lab File: VL036971.D

Acq: 18 May 2021 16:24

Tgt Ion: 43 Resp: 228762

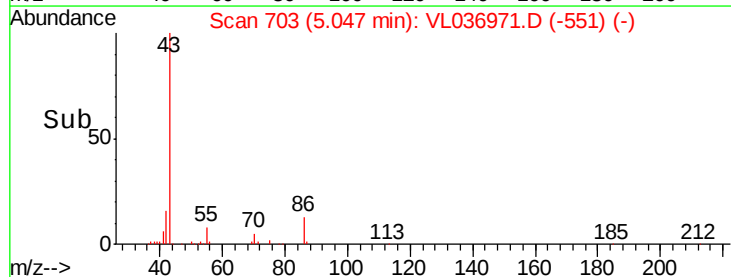
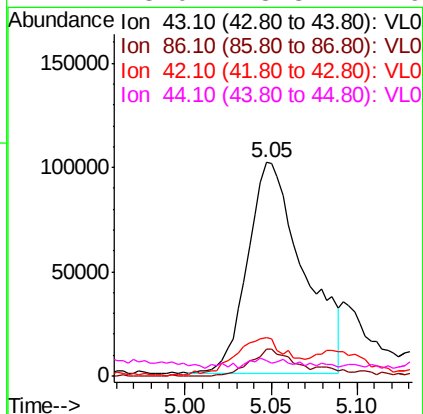
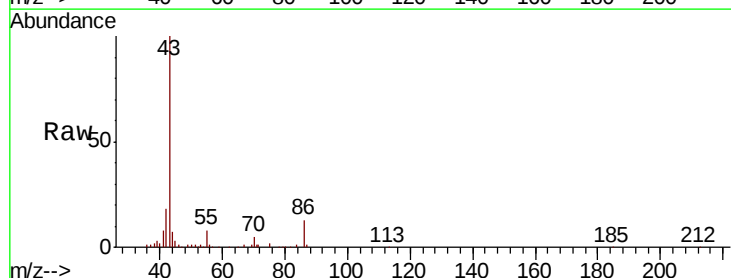
Ion Ratio Lower Upper

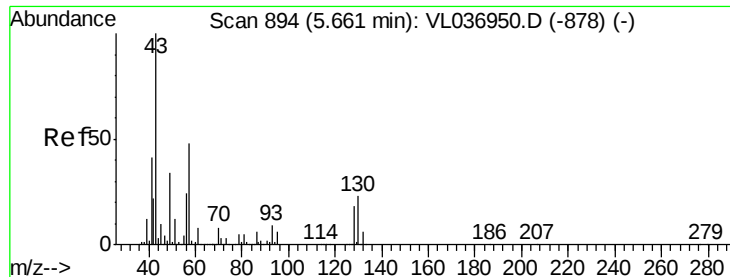
43 100

86 12.7 5.8 8.8#

42 17.7 7.4 11.2#

44 3.0 3.3 4.9#





#25

Ethyl Acetate

Concen: 3.075 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

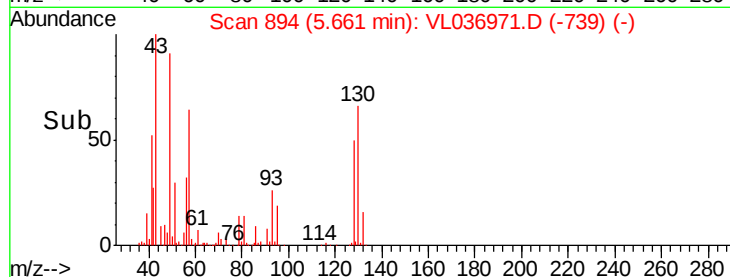
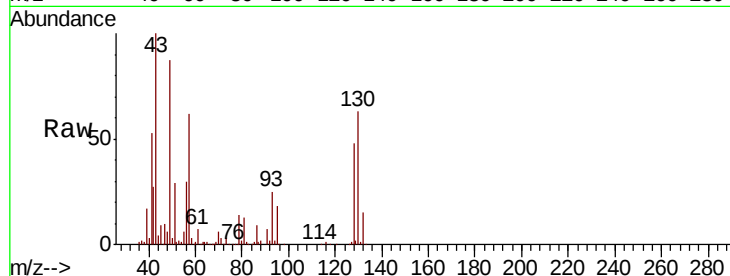
Lab File: VL036971.D

Acq: 18 May 2021 16:24

Instrument :
MSVOA_L
ClientSampled :
IA1

Tot Ion: 43 Resp: 1016324

Ion	Ratio	Lower	Upper
43	100		
45	8.5	7.8	11.8
61	8.0	7.8	11.8
70	6.3	5.6	8.4

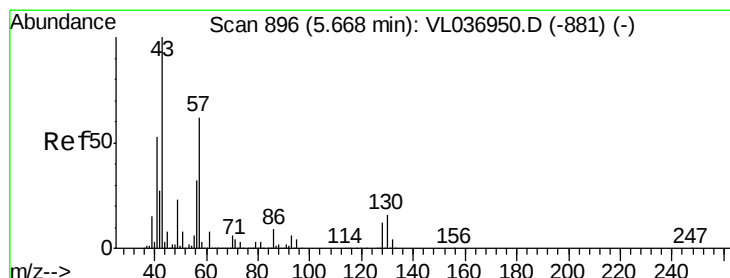


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 3.659 ppbv

RT: 5.66 min Scan# 895

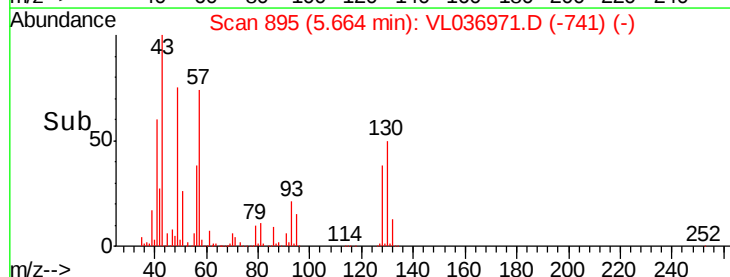
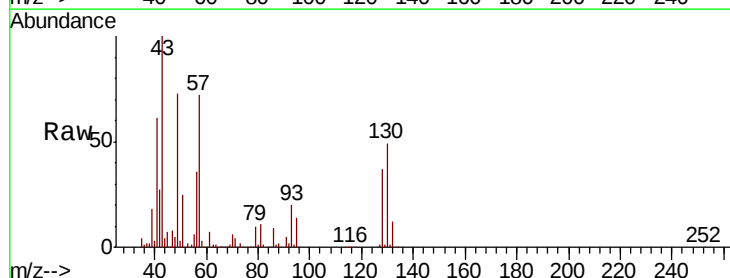
Delta R.T. -0.00 min

Lab File: VL036971.D

Acq: 18 May 2021 16:24

Tgt Ion: 57 Resp: 617856

Ion	Ratio	Lower	Upper
57	100		
41	90.0	70.5	105.7
43	166.0	165.8	248.8
56	53.5	42.2	63.4

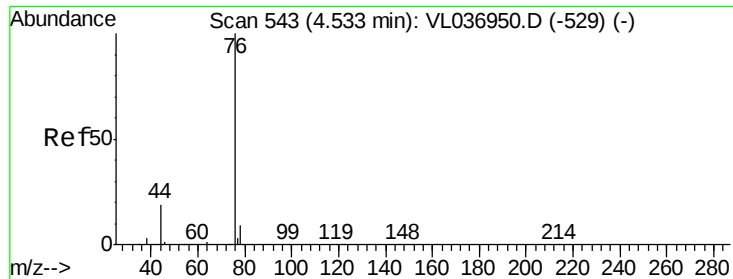


Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 0.064 ppbv

RT: 4.53 min Scan# 543

Delta R.T. -0.00 min

Lab File: VL036971.D

Acq: 18 May 2021 16:24

Instrument :

MSVOA_L

ClientSampleId :

IA1

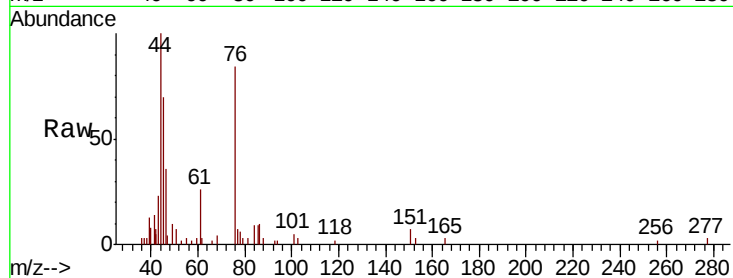
Tot Ion: 76 Resp: 10915

Ion Ratio Lower Upper

76 100

44 0.0 15.5 23.3#

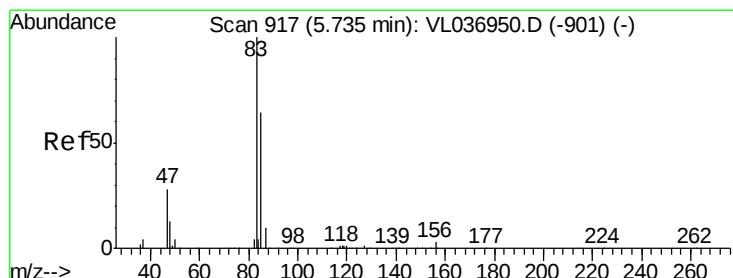
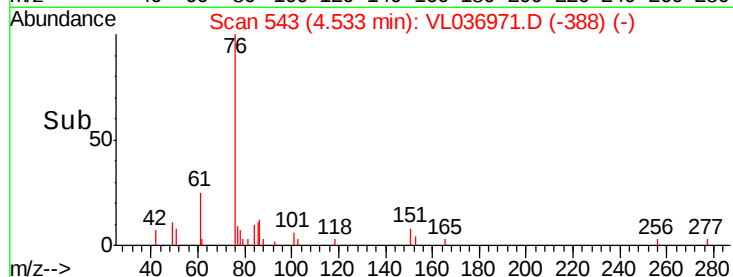
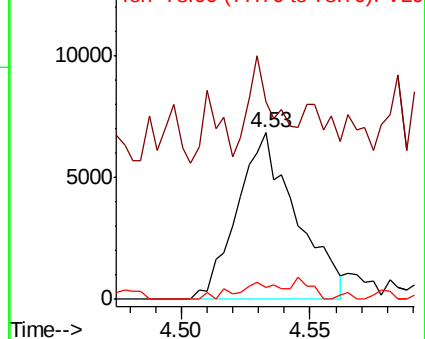
78 13.9 7.8 11.6#



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: 0.533 ppbv

RT: 5.73 min Scan# 916

Delta R.T. -0.00 min

Lab File: VL036971.D

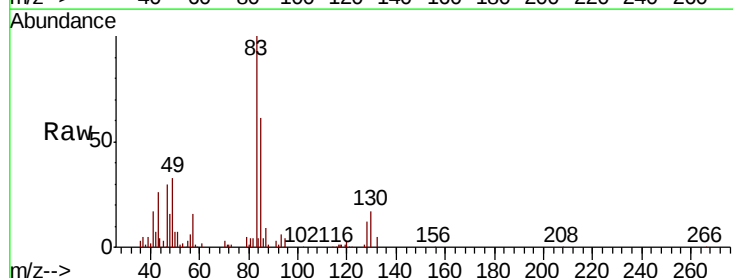
Acq: 18 May 2021 16:24

Tgt Ion: 83 Resp: 127074

Ion Ratio Lower Upper

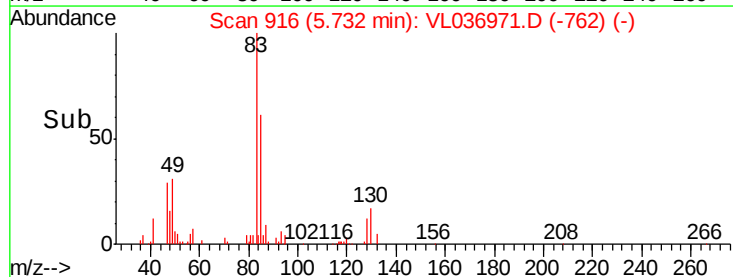
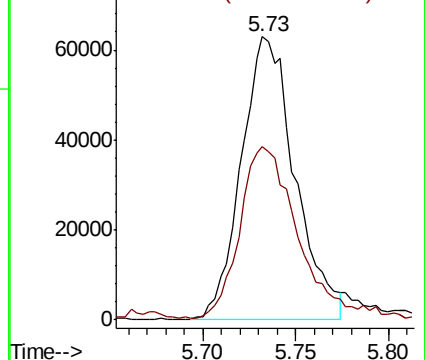
83 100

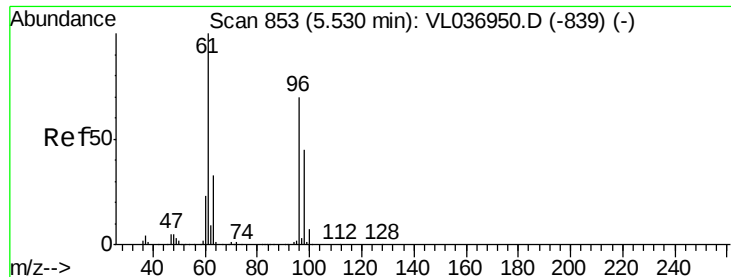
85 60.9 51.1 76.7



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



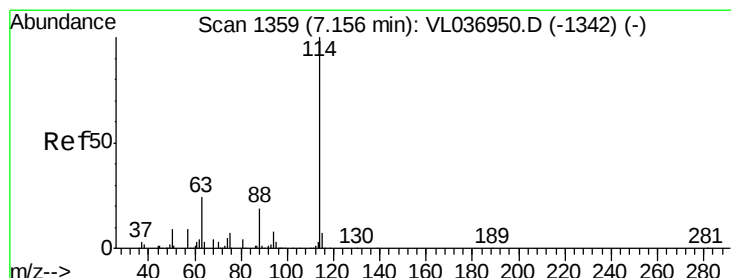
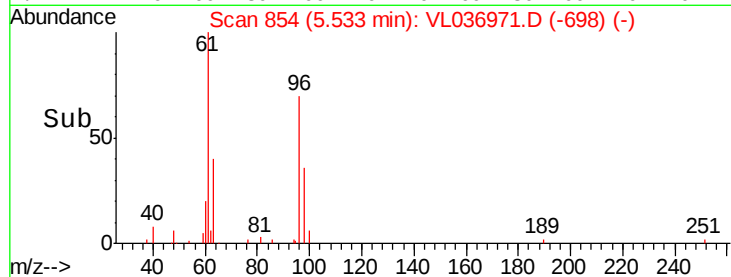
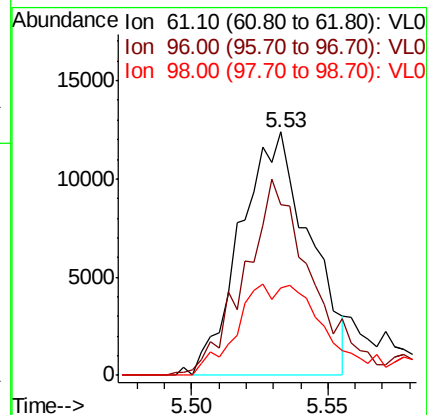
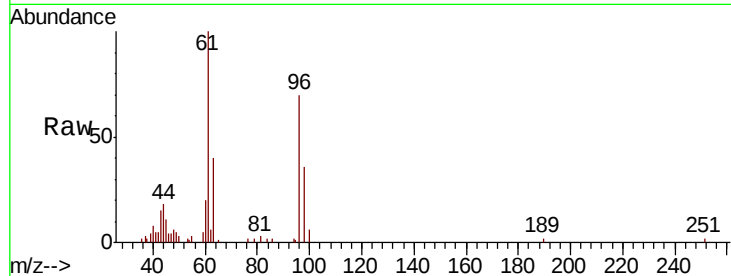


#31

cis-1,2-Dichloroethene
 Concen: 0.144 ppbv
 RT: 5.53 min Scan# 854
 Delta R.T. 0.00 min
 Lab File: VL036971.D
 Acq: 18 May 2021 16:24

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

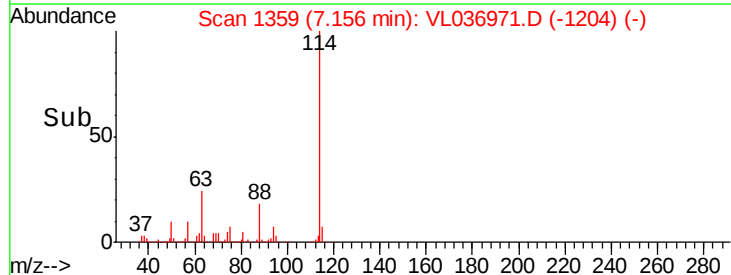
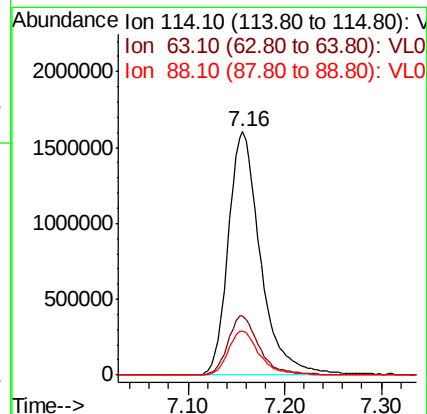
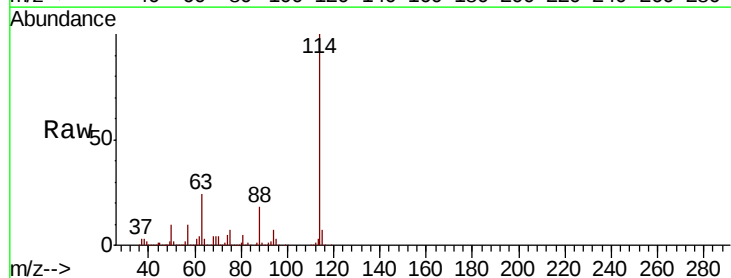
Tot Ion:	61	Resp:	21836
Ion	Ratio	Lower	Upper
61	100		
96	67.5	55.9	83.9
98	35.9	35.6	53.4

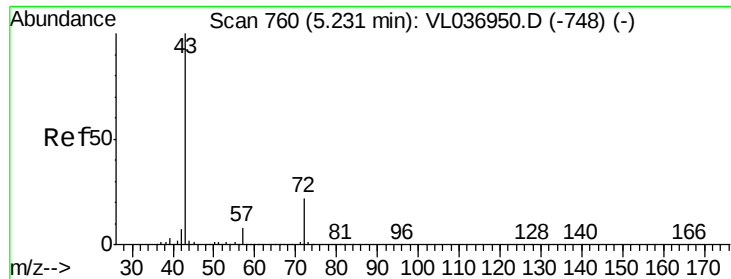


#33

1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VL036971.D
 Acq: 18 May 2021 16:24

Tgt Ion:	114	Resp:	3703330
Ion	Ratio	Lower	Upper
114	100		
63	23.9	19.6	29.4
88	17.9	14.6	21.8

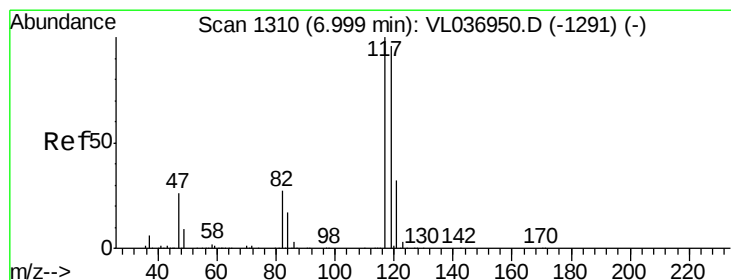
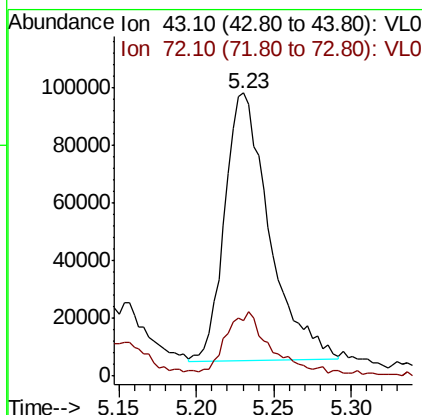
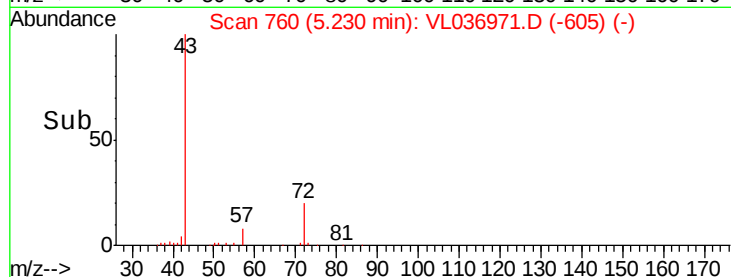
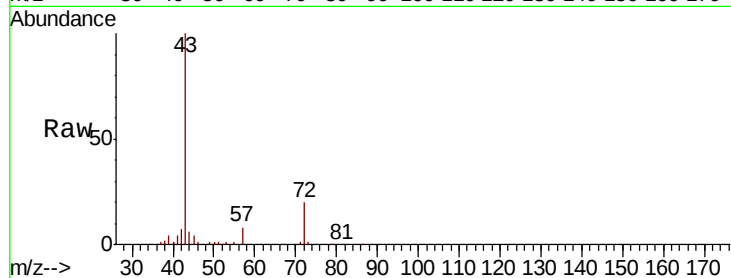




#34
2-Butanone
Concen: 1.379 ppbv
RT: 5.23 min Scan# 760
Delta R.T. -0.00 min
Lab File: VL036971.D
Acq: 18 May 2021 16:24

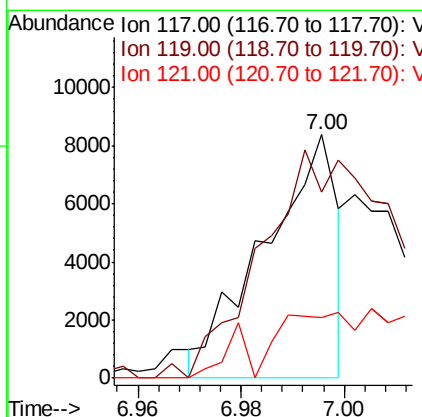
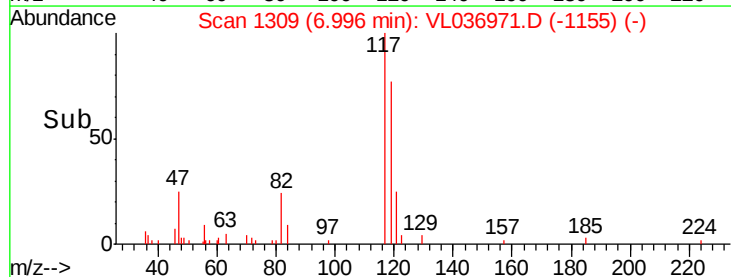
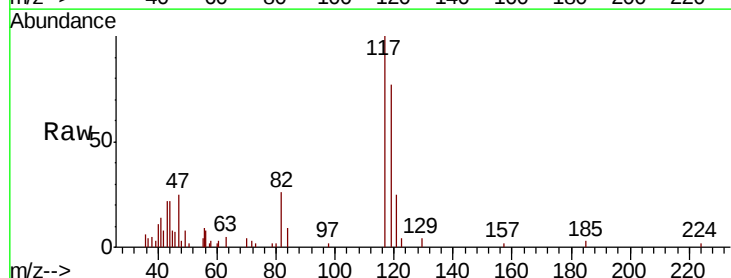
Instrument :
MSVOA_L
ClientSampleId :
IA1

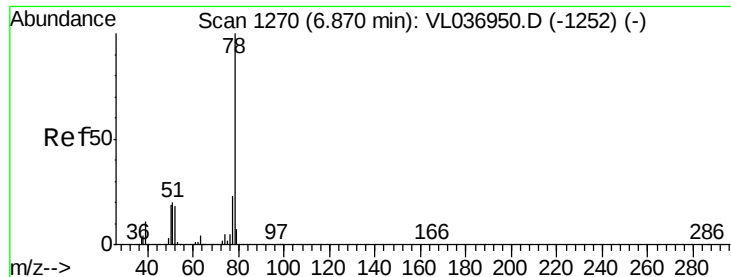
Tot Ion: 43 Resp: 185948
Ion Ratio Lower Upper
43 100
72 27.1 19.0 28.4



#35
Carbon Tetrachloride
Concen: 0.033 ppbv
RT: 7.00 min Scan# 1309
Delta R.T. -0.00 min
Lab File: VL036971.D
Acq: 18 May 2021 16:24

Tgt Ion: 117 Resp: 8176
Ion Ratio Lower Upper
117 100
119 87.1 76.6 114.8
121 28.4 25.8 38.6

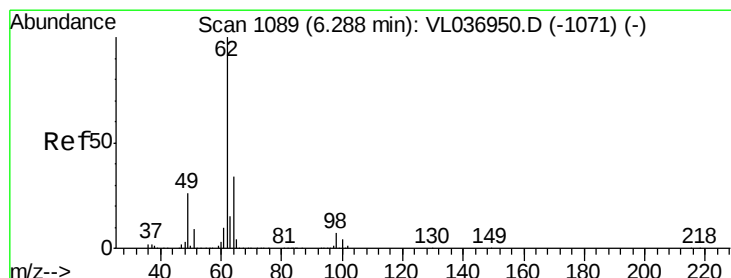
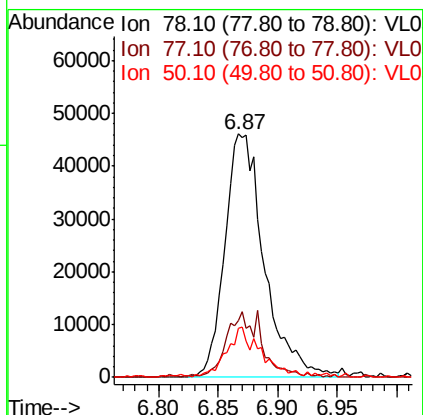
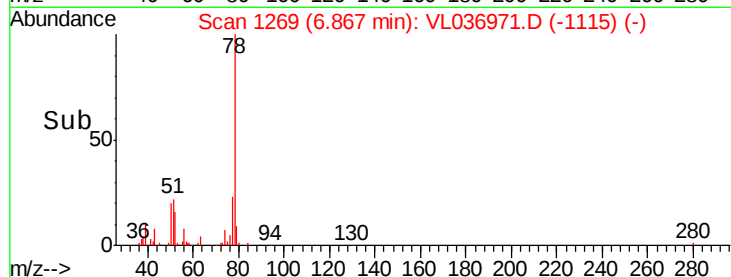
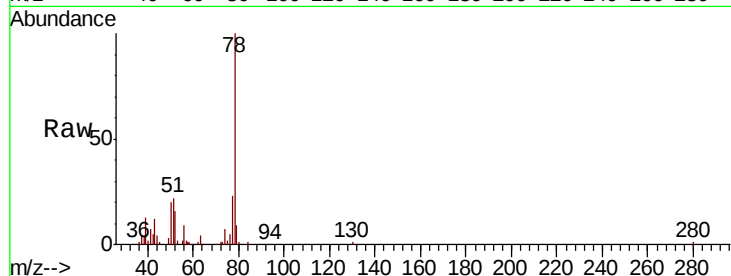




#36
Benzene
Concen: 0.332 ppbv
RT: 6.87 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VL036971.D
Acq: 18 May 2021 16:24

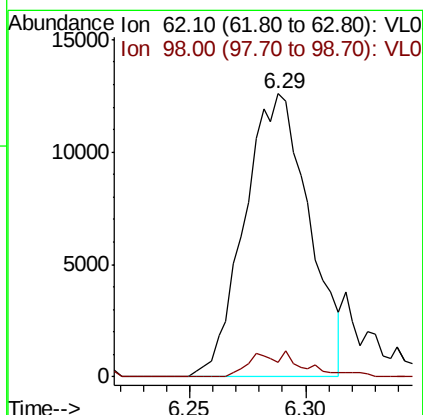
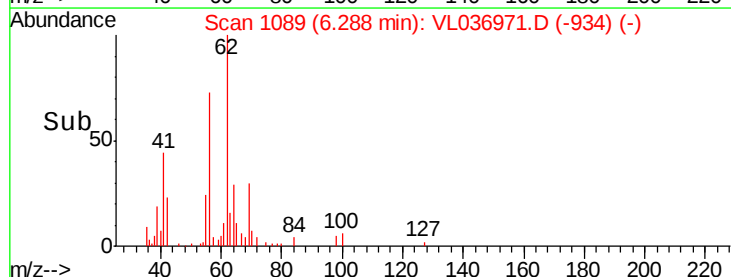
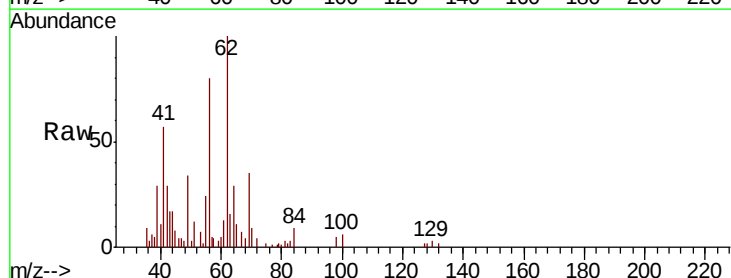
Instrument :
MSVOA_L
ClientSampleId :
IA1

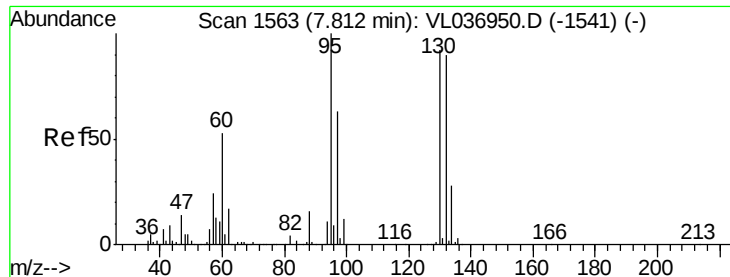
Tot Ion: 78 Resp: 105768
Ion Ratio Lower Upper
78 100
77 22.9 18.6 28.0
50 20.2 15.0 22.4



#37
1,2-Dichloroethane
Concen: 0.154 ppbv
RT: 6.29 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VL036971.D
Acq: 18 May 2021 16:24

Tgt Ion: 62 Resp: 24396
Ion Ratio Lower Upper
62 100
98 7.1 5.5 8.3





#38

Trichloroethene

Concen: 0.944 ppbv

RT: 7.82 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VL036971.D

Acq: 18 May 2021 16:24

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tot Ion:130 Resp: 128788

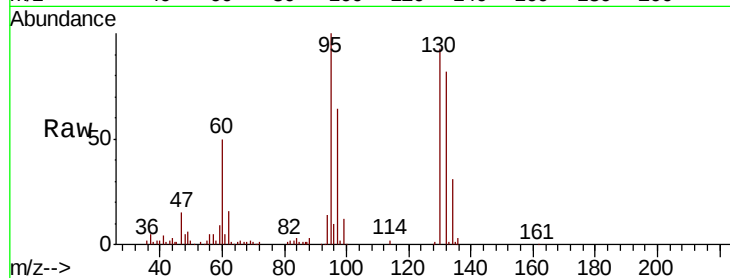
Ion Ratio Lower Upper

130 100

95 107.1 86.9 130.3

132 88.5 78.4 117.6

97 69.6 55.0 82.6

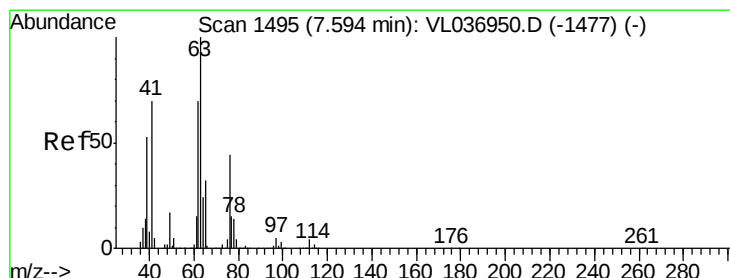
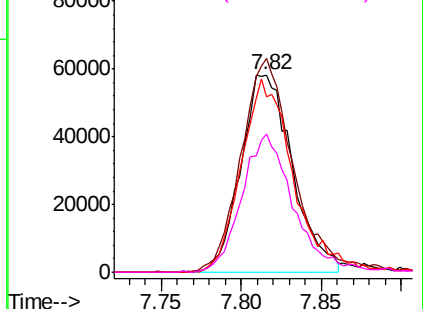
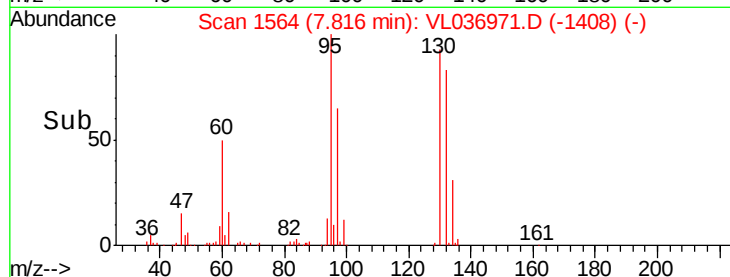


Abundance Ion 130.00 (129.70 to 130.70): V

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: 7.149 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.44 min

Lab File: VL036971.D

Acq: 18 May 2021 16:24

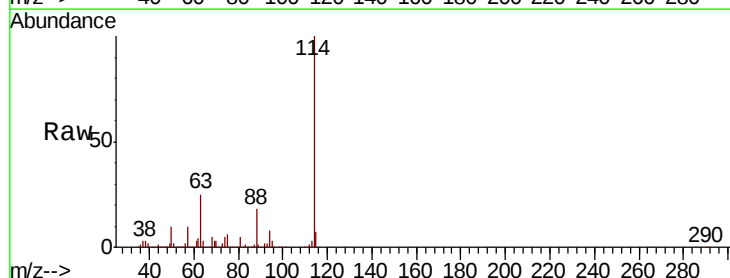
Tgt Ion: 63 Resp: 878515

Ion Ratio Lower Upper

63 100

41 0.0 55.7 83.5#

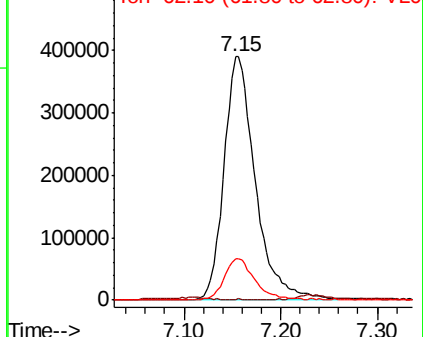
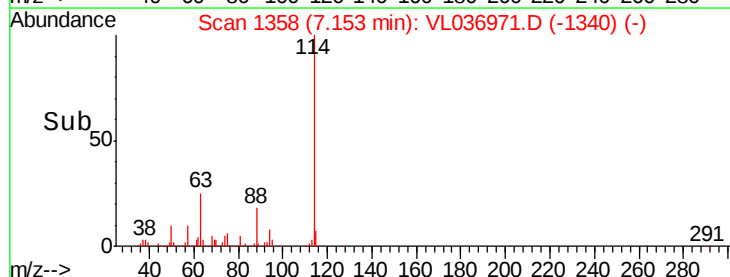
62 16.8 56.2 84.4#

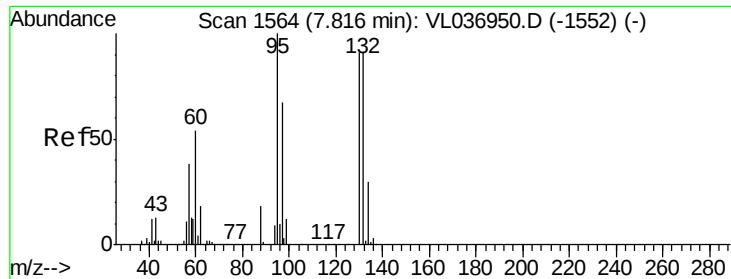


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

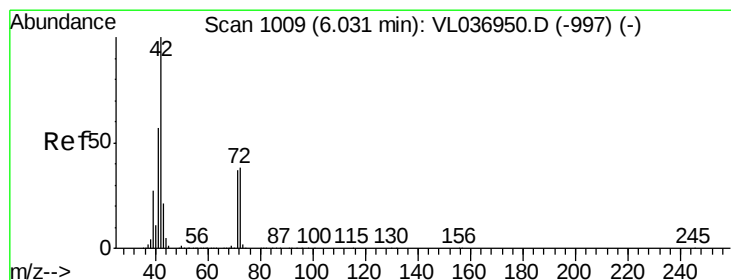
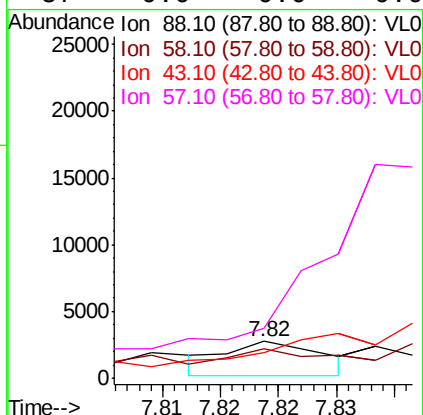
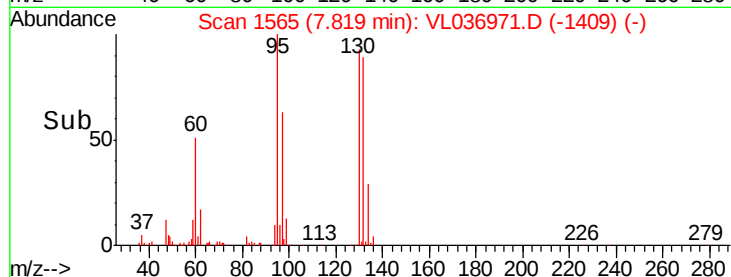
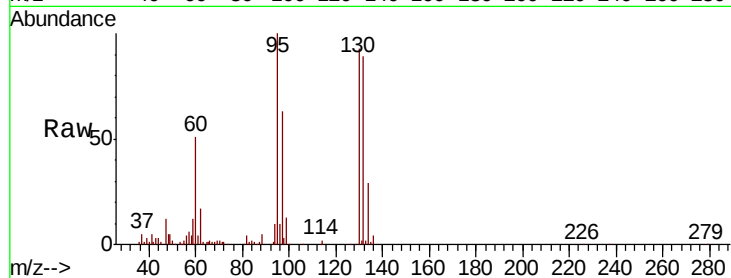




#40
1,4-Dioxane
Concen: 0.051 ppbv
RT: 7.82 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VL036971.D
Acq: 18 May 2021 16:24

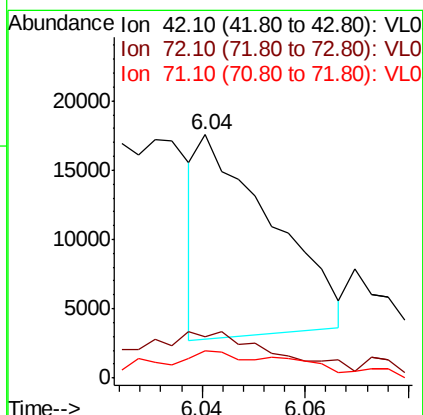
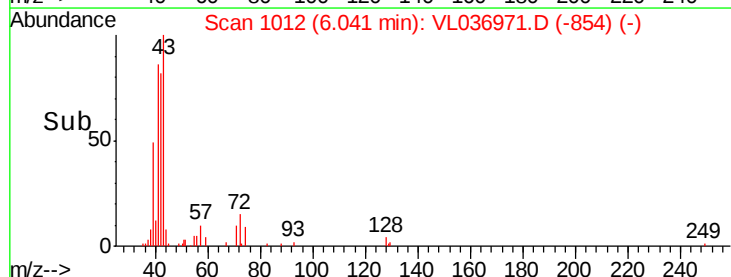
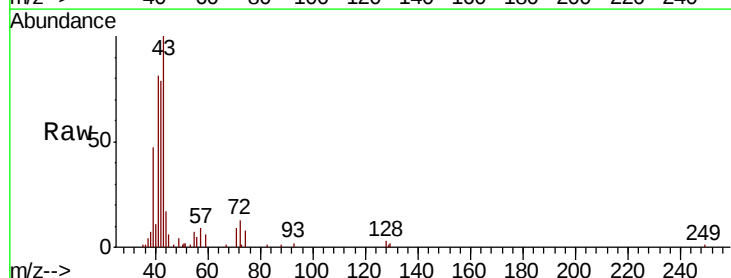
Instrument :
MSVOA_L
ClientSampleId :
IA1

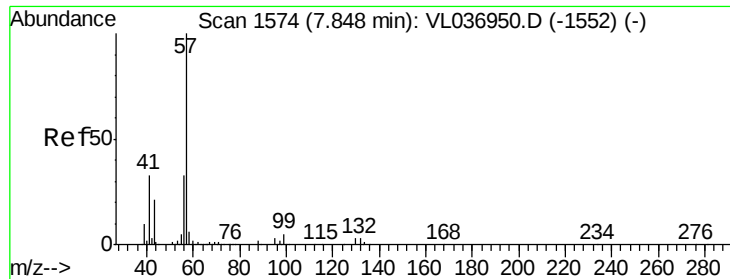
Tot Ion:	88	Resp:	1490
Ion	Ratio	Lower	Upper
88	100		
58	0.0	0.0	0.0
43	0.0	0.0	0.0
57	0.0	0.0	0.0



#41
Tetrahydrofuran
Concen: 0.189 ppbv
RT: 6.04 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VL036971.D
Acq: 18 May 2021 16:24

Tgt Ion:	42	Resp:	14518
Ion	Ratio	Lower	Upper
42	100		
72	64.3	31.4	47.2#
71	29.4	30.4	45.6#

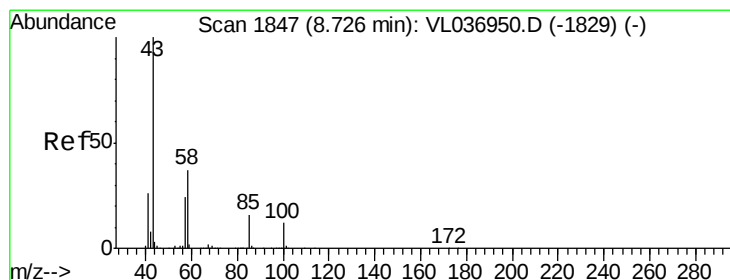
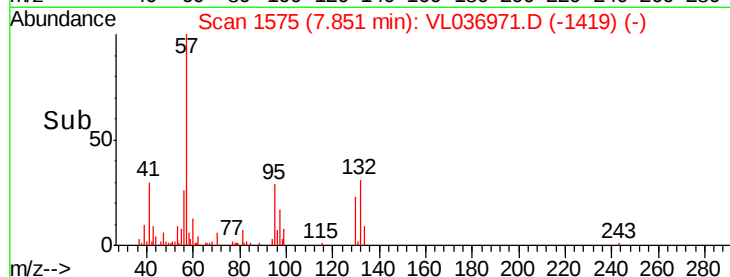
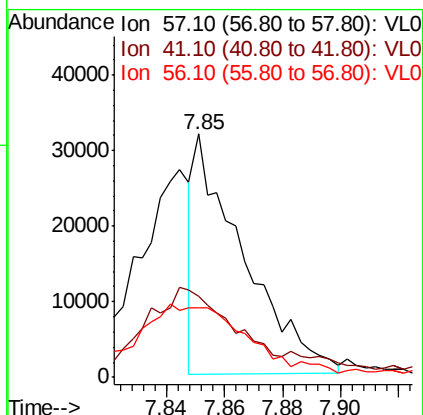
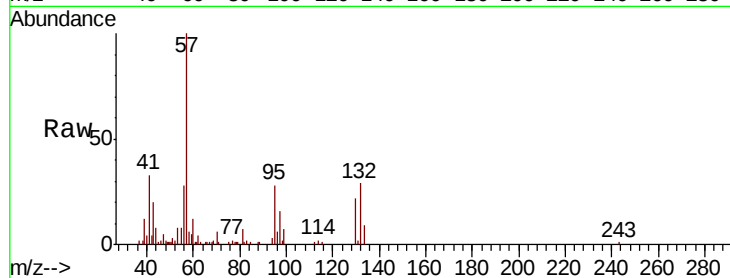




#44
 2,2,4-Trimethylpentane
 Concen: 0.068 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VL036971.D
 Acq: 18 May 2021 16:24

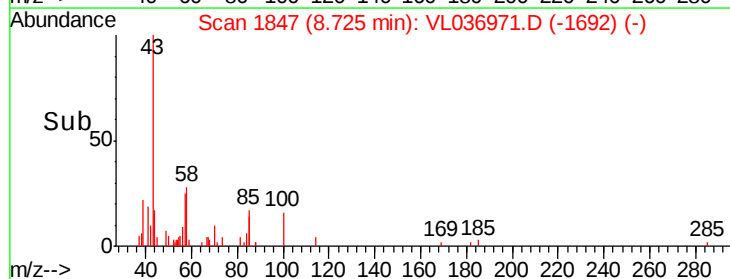
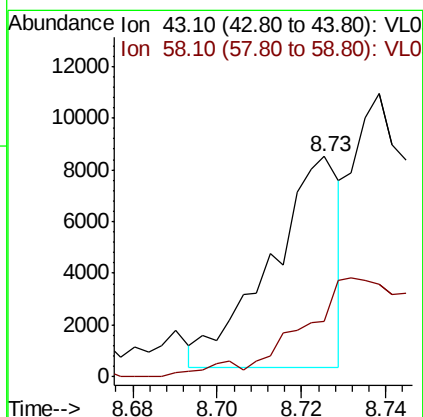
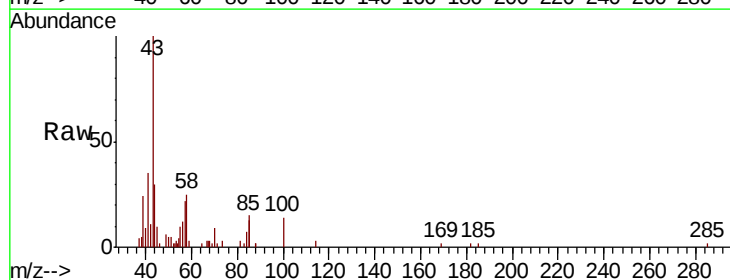
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

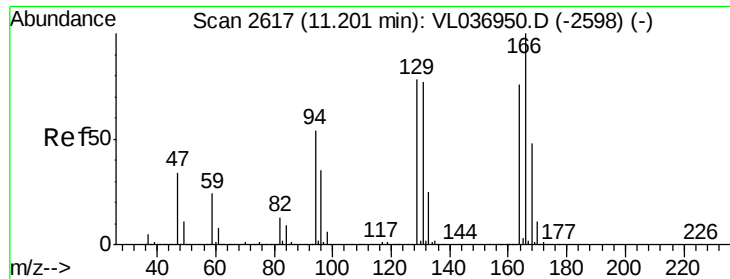
Tot Ion: 57 Resp: 37133
 Ion Ratio Lower Upper
 57 100
 41 0.0 27.0 40.4#
 56 0.0 25.4 38.2#



#50
 4-Methyl-2-Pentanone
 Concen: 0.042 ppbv
 RT: 8.73 min Scan# 1847
 Delta R.T. -0.00 min
 Lab File: VL036971.D
 Acq: 18 May 2021 16:24

Tgt Ion: 43 Resp: 9247
 Ion Ratio Lower Upper
 43 100
 58 123.9 29.4 44.2#





#52

Tetrachloroethene

Concen: 1.999 ppbv

RT: 11.20 min Scan# 2617

Delta R.T. -0.00 min

Lab File: VL036971.D

Acq: 18 May 2021 16:24

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tot Ion:164 Resp: 253539

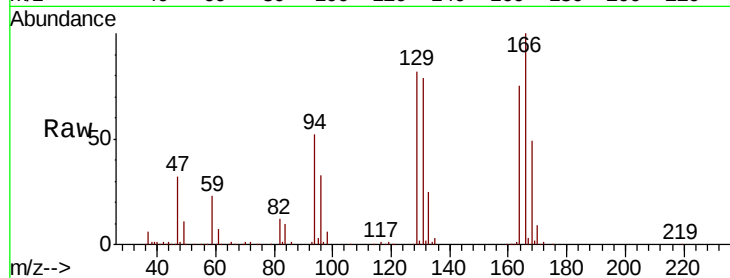
Ion Ratio Lower Upper

164 100

166 133.2 105.5 158.3

129 109.4 81.8 122.8

131 105.1 81.2 121.8

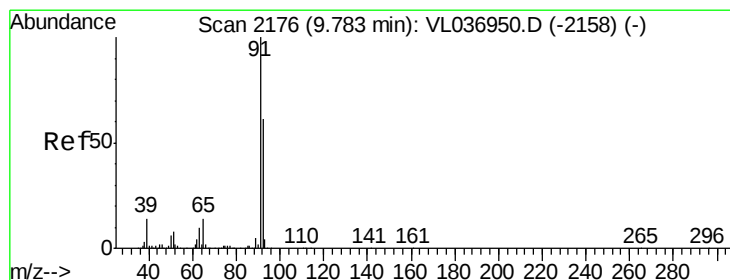
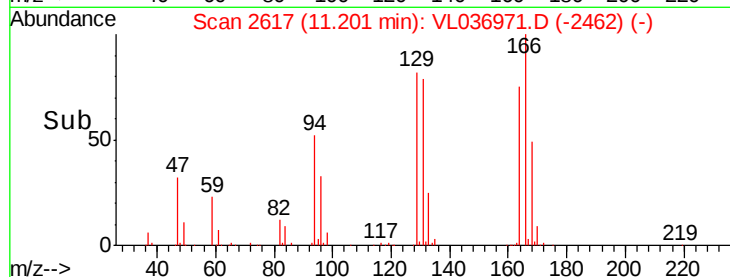
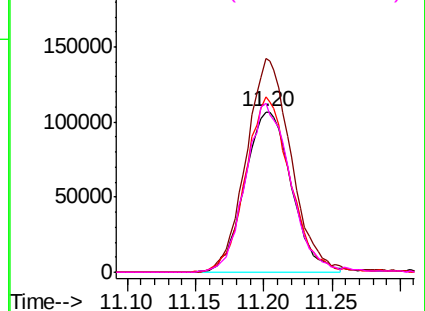


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.690 ppbv

RT: 9.79 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VL036971.D

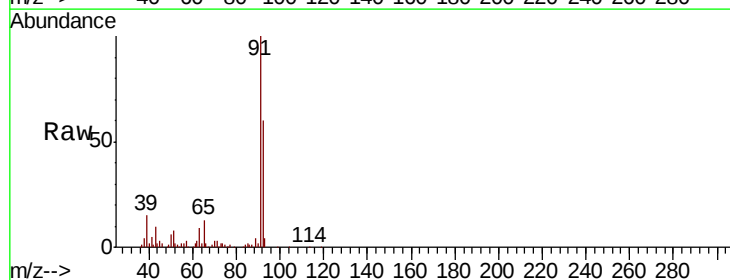
Acq: 18 May 2021 16:24

Tgt Ion: 91 Resp: 261876

Ion Ratio Lower Upper

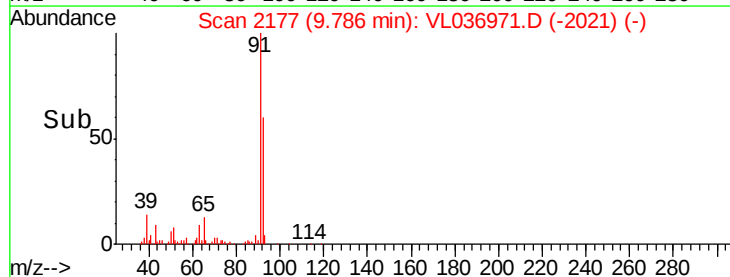
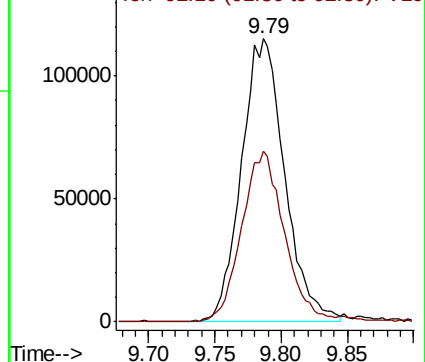
91 100

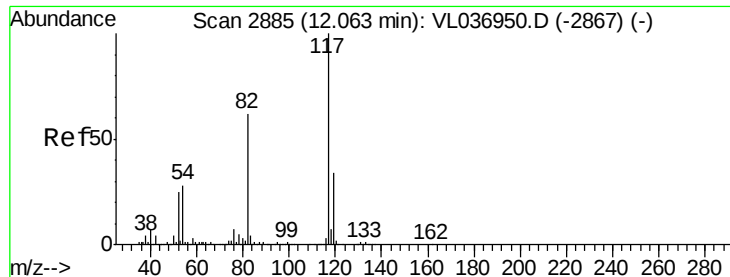
92 60.9 49.5 74.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

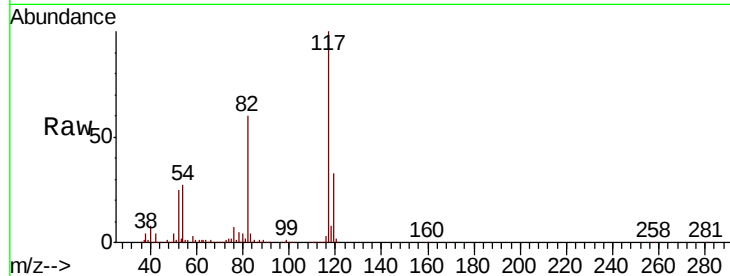




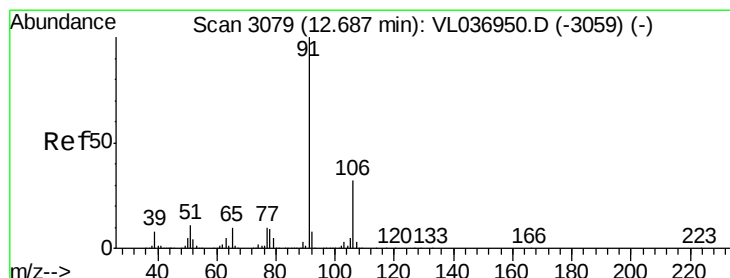
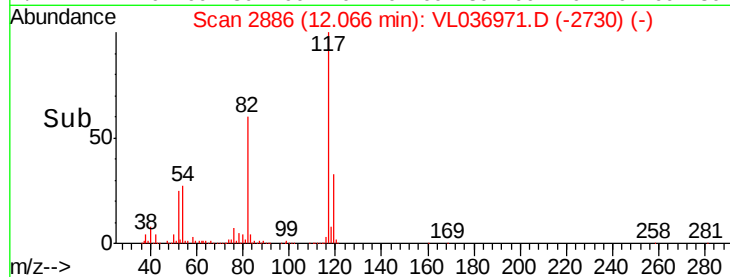
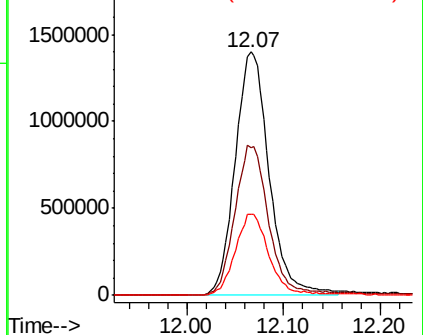
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. 0.00 min
Lab File: VL036971.D
Acq: 18 May 2021 16:24

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tot Ion:117 Resp: 3425699
Ion Ratio Lower Upper
117 100
82 62.9 52.6 79.0
119 33.7 46.6 70.0#

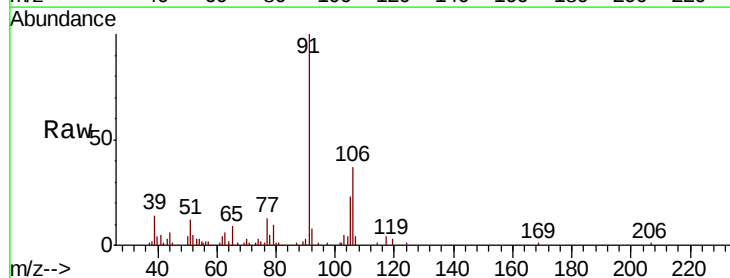


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

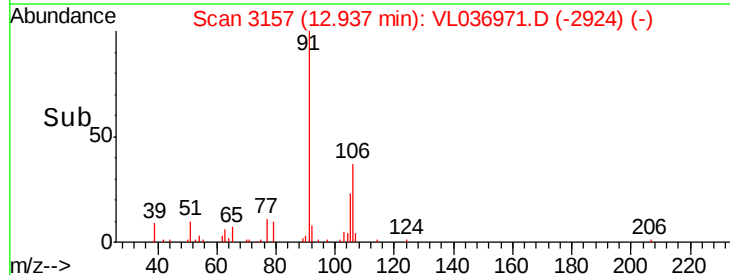
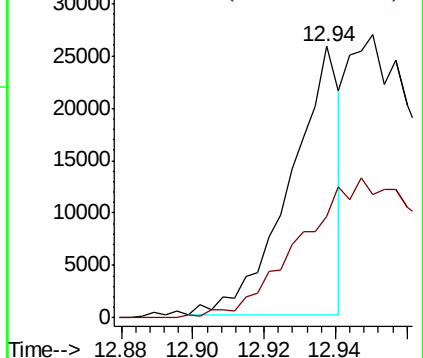


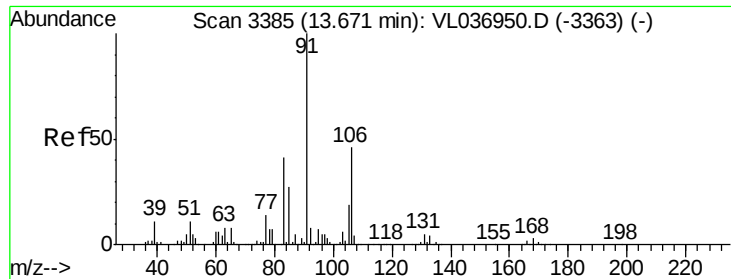
#58
Ethyl Benzene
Concen: 0.051 ppbv
RT: 12.94 min Scan# 3157
Delta R.T. 0.25 min
Lab File: VL036971.D
Acq: 18 May 2021 16:24

Tgt Ion: 91 Resp: 24645
Ion Ratio Lower Upper
91 100
106 36.8 25.6 38.4



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

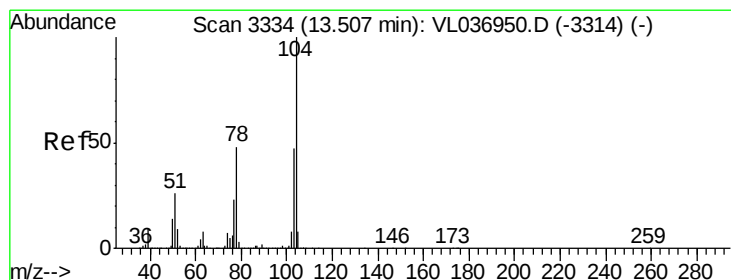
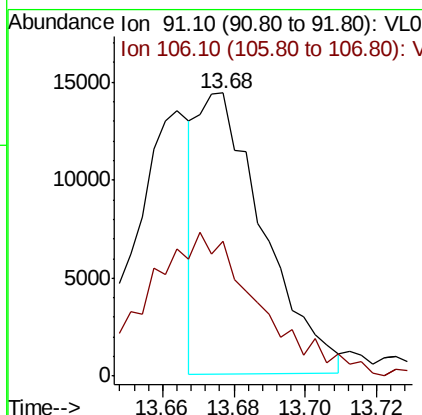
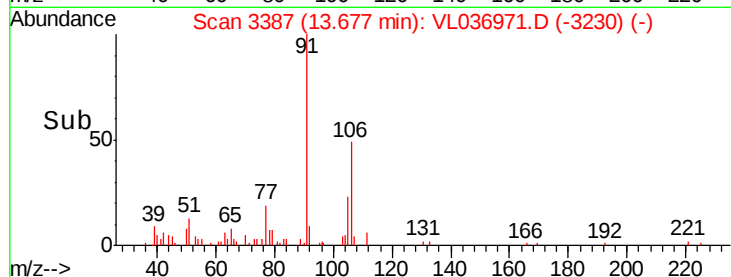
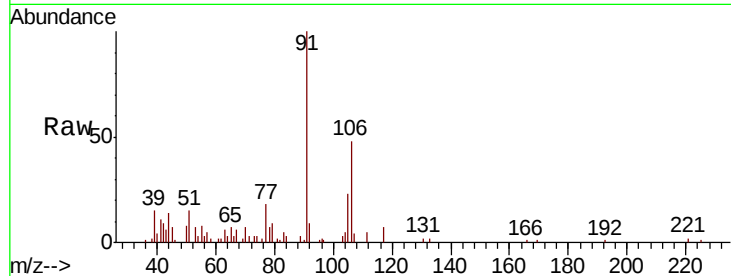




#60
o-Xylene
Concen: 0.048 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. 0.01 min
Lab File: VL036971.D
Acq: 18 May 2021 16:24

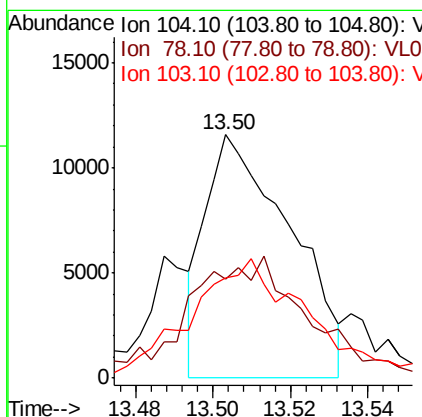
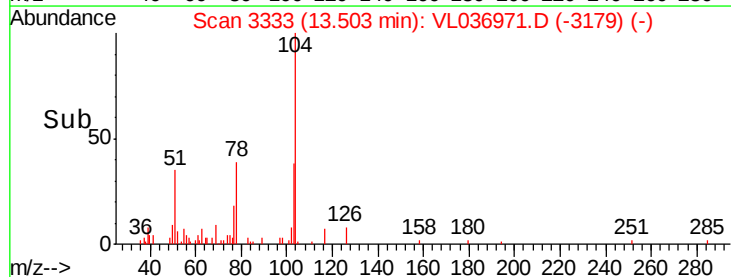
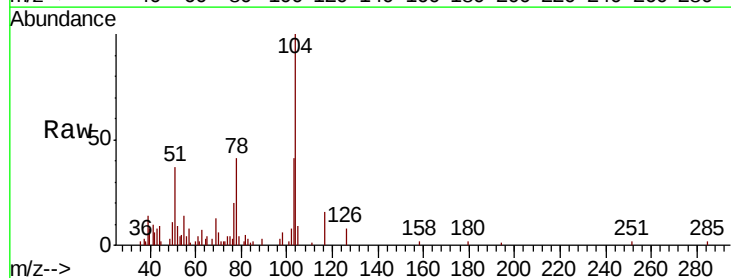
Instrument :
MSVOA_L
ClientSampleId :
IA1

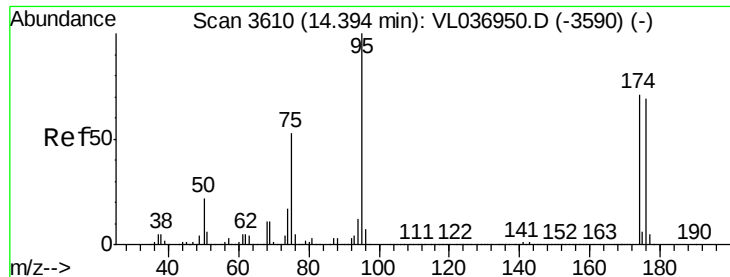
Tot Ion: 91 Resp: 18330
Ion Ratio Lower Upper
91 100
106 90.1 23.4 70.3#



#61
Styrene
Concen: 0.082 ppbv
RT: 13.50 min Scan# 3333
Delta R.T. -0.00 min
Lab File: VL036971.D
Acq: 18 May 2021 16:24

Tgt Ion:104 Resp: 17659
Ion Ratio Lower Upper
104 100
78 73.5 39.0 58.6#
103 70.0 38.0 57.0#

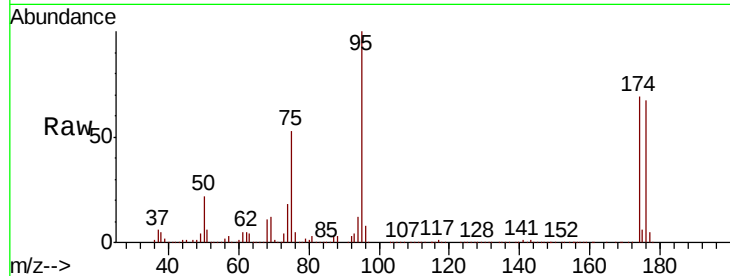




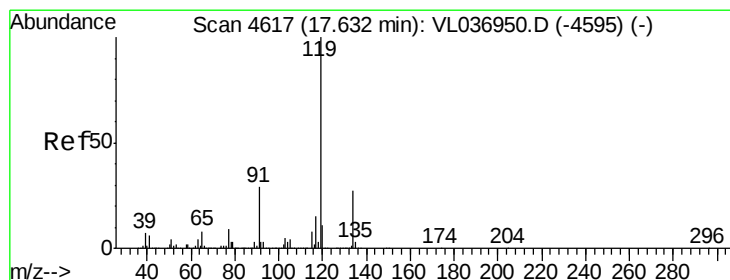
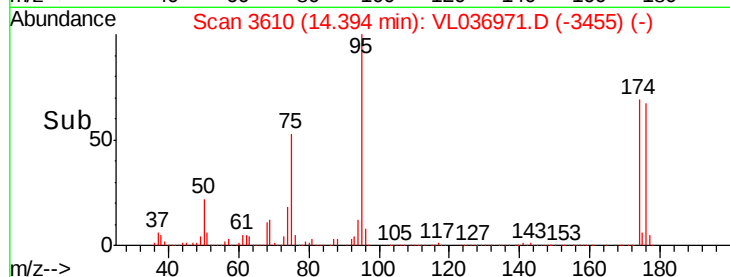
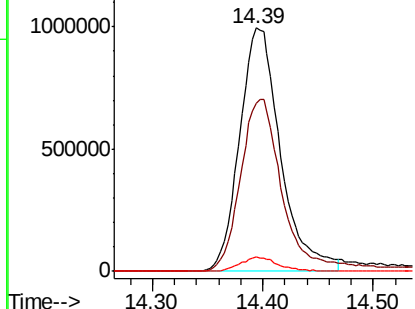
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.938 ppbv
 RT: 14.39 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VL036971.D
 Acq: 18 May 2021 16:24

Instrument :
 MSVOA_L
 ClientSampled :
 IA1

Tot Ion: 95 Resp: 2557561
 Ion Ratio Lower Upper
 95 100
 174 75.7 58.4 87.6
 175 5.4 4.4 6.6

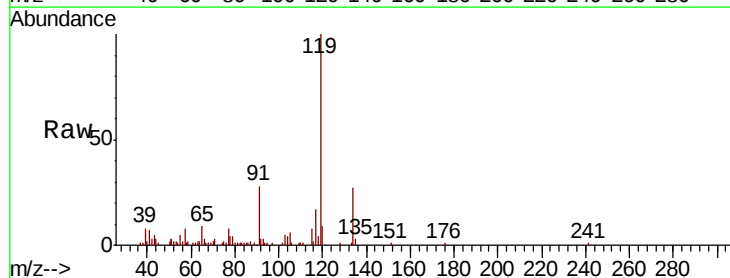


Abundance Ion 95.10 (94.80 to 95.80): VL0
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V



#69
 p-Isopropyltoluene
 Concen: 0.040 ppbv
 RT: 17.64 min Scan# 4619
 Delta R.T. 0.01 min
 Lab File: VL036971.D
 Acq: 18 May 2021 16:24

Tgt Ion: 119 Resp: 23031
 Ion Ratio Lower Upper
 119 100
 134 0.0 21.2 31.8#
 91 130.1 22.2 33.4#



Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): VL0

