

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121620\
 Data File : VL036183.D
 Acq On : 17 Dec 2020 1:46
 Operator : SY/AP
 Sample : L5041-03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 17 03:42:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

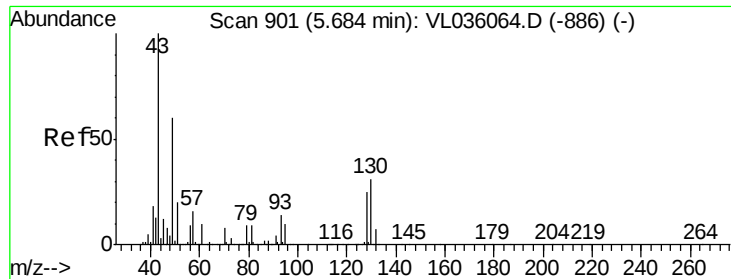
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1394896	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	2571819	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2388463	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2099327	11.07	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.70%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	44715	0.275	ppbv 93
3) Chlorodifluoromethane	2.99	51	68602	0.431	ppbv 94
4) Chloromethane	3.14	50	6940	0.089	ppbv 94
7) Chloroethane	3.56	64	62485	2.110	ppbv 92
9) Propene	3.02	41	21162	0.265	ppbv # 39
10) Heptane	8.14	43	25540	0.125	ppbv 91
11) Trichlorofluoromethane	3.96	101	114730	0.600	ppbv 85
12) 1,1,2-Trichlorotrifluoroet	4.49	101	206056	1.588	ppbv 87
13) Ethanol	3.61	45	453611	41.273	ppbv 90
15) Acetone	3.86	43	1020023	6.084	ppbv 95
17) tert-Butyl alcohol	4.31	59	25510	0.157	ppbv # 71
18) 1,1-Dichloroethene	4.29	96	131176	2.276	ppbv 97
19) Isopropyl Alcohol	3.98	45	1514934	14.785	ppbv # 100
20) Methylene Chloride	4.35	84	1272269	18.520	ppbv 94
21) Allyl Chloride	4.37	41	9569	0.086	ppbv # 19
23) Vinyl Acetate	5.08	43	16142	0.072	ppbv # 11
24) 1,1-Dichloroethane	5.02	63	2545925	16.218	ppbv 98
25) Ethyl Acetate	5.70	43	677596	2.023	ppbv # 78
26) Hexane	5.70	57	872576	5.789	ppbv # 39
29) Chloroform	5.77	83	21455	0.108	ppbv # 74
31) cis-1,2-Dichloroethene	5.56	61	10536	0.077	ppbv # 88
32) 1,1,1-Trichloroethane	6.53	97	14808255	72.501	ppbv 89
34) 2-Butanone	5.26	43	67829	0.398	ppbv 99
35) Carbon Tetrachloride	6.61	117	10028	0.067	ppbv # 64
36) Benzene	6.90	78	10866	0.050	ppbv 95
37) 1,2-Dichloroethane	6.53	62	1598029	12.653	ppbv # 1
38) Trichloroethene	7.85	130	20947	0.257	ppbv 97
39) 1,2-Dichloropropane	7.20	63	877444	10.194	ppbv # 25
41) Tetrahydrofuran	6.08	42	4440	0.044	ppbv # 76
44) 2,2,4-Trimethylpentane	7.88	57	17267	0.044	ppbv # 41
47) 1,1,2-Trichloroethane	9.50	97	4887	0.059	ppbv # 65
52) Tetrachloroethene	11.24	164	46343	0.587	ppbv # 82
53) Toluene	9.83	91	352965	1.442	ppbv 97
59) m/p-Xylene	13.01	91	14974	0.054	ppbv # 34
60) o-Xylene	13.72	91	10694	0.041	ppbv # 1
65) tert-Butylbenzene	17.00	119	283095	0.898	ppbv # 23
74) 1,2,4-Trimethylbenzene	16.79	105	27591	0.102	ppbv # 73
75) 1,3-Dichlorobenzene	17.02	146	25752	0.191	ppbv # 1

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.00 min

Lab File: VL036183.D

Acq: 17 Dec 2020 1:46

Instrument :

MSVOA_L

ClientSampleId :

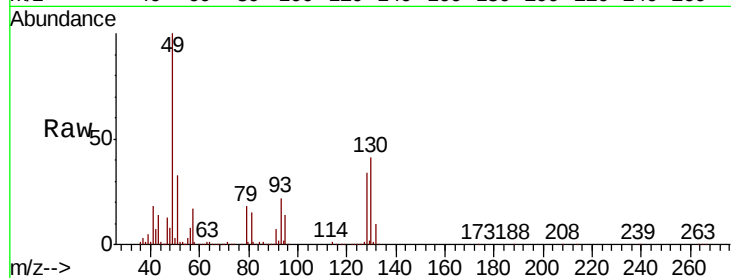
Tot Ion: 49 Resp: 1394896

Ion Ratio Lower Upper

49 100

128 35.0 21.1 63.1

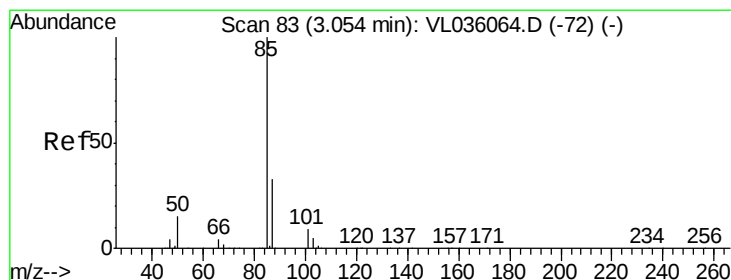
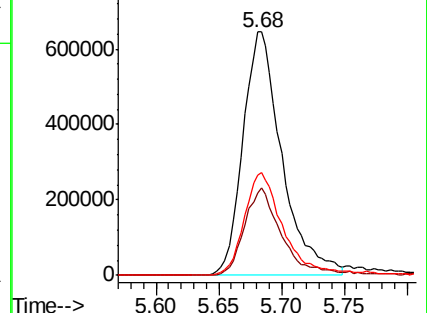
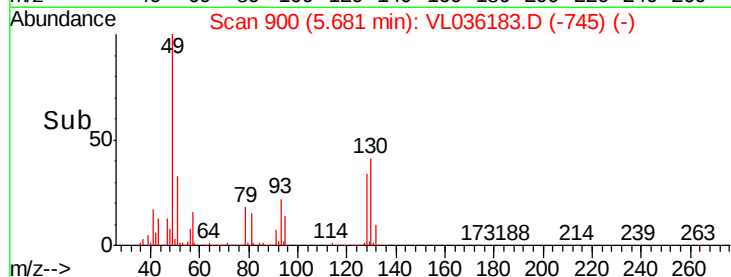
130 43.5 27.1 81.3



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.275 ppbv

RT: 3.05 min Scan# 82

Delta R.T. -0.00 min

Lab File: VL036183.D

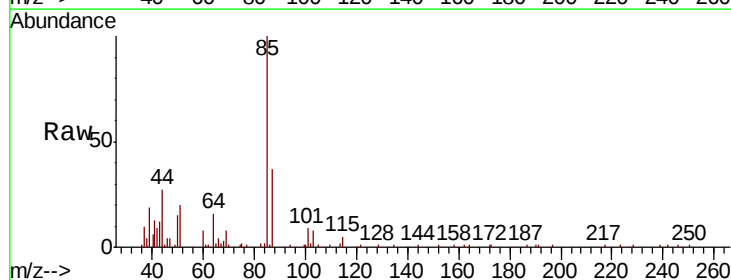
Acq: 17 Dec 2020 1:46

Tgt Ion: 85 Resp: 44715

Ion Ratio Lower Upper

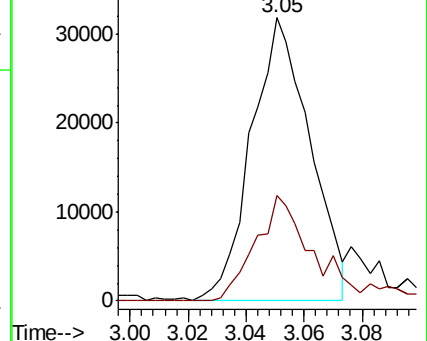
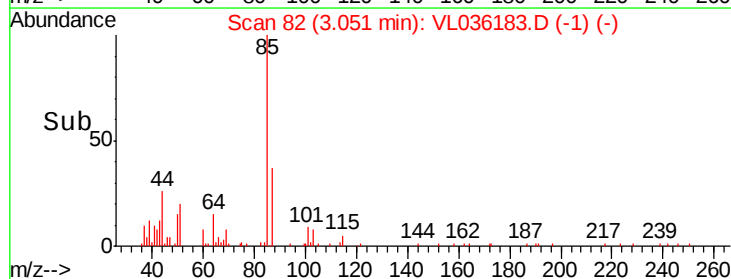
85 100

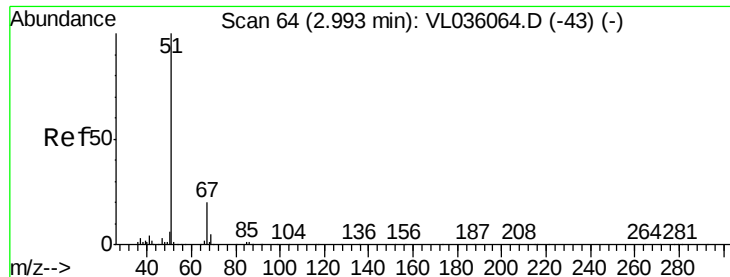
87 37.1 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.431 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.00 min

Lab File: VL036183.D

Acq: 17 Dec 2020 1:46

Instrument :

MSVOA_L

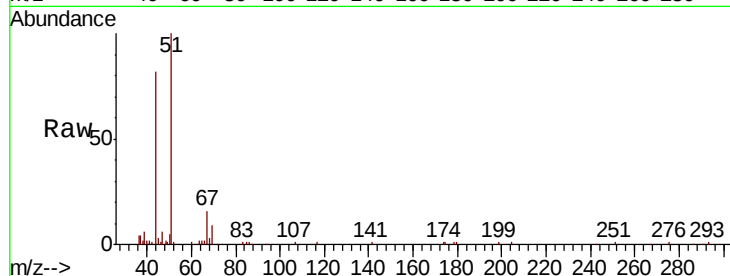
ClientSampleId :

Tot Ion: 51 Resp: 68602

Ion Ratio Lower Upper

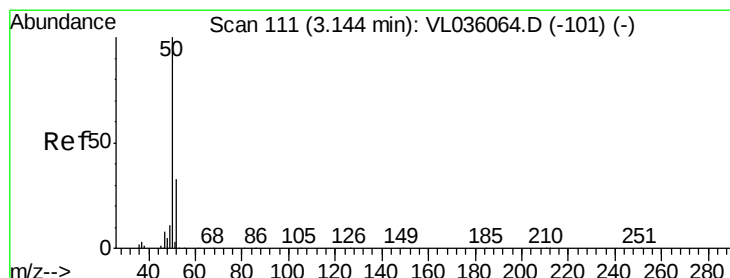
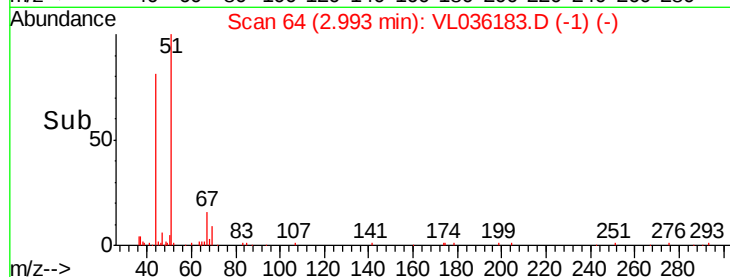
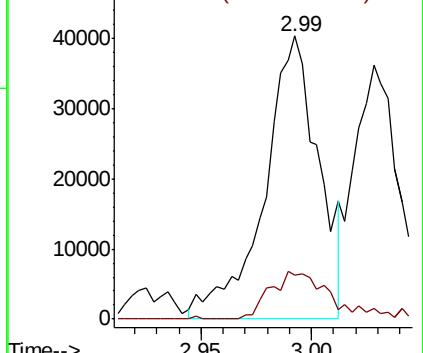
51 100

67 20.5 14.3 21.5



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.089 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL036183.D

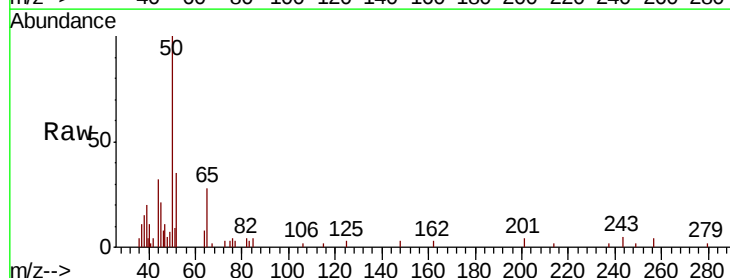
Acq: 17 Dec 2020 1:46

Tgt Ion: 50 Resp: 6940

Ion Ratio Lower Upper

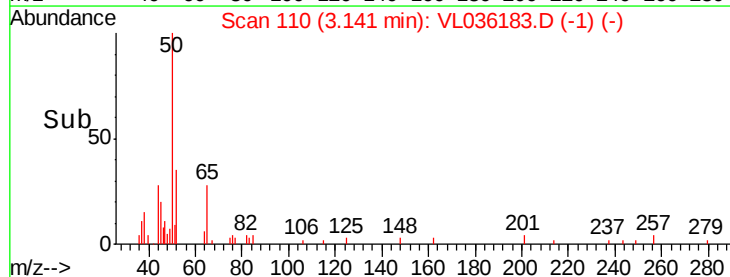
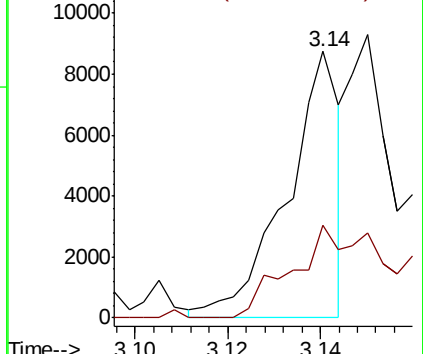
50 100

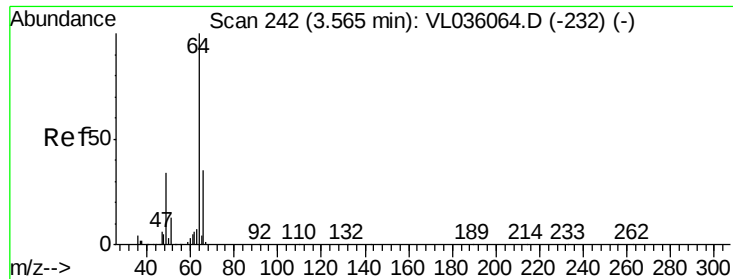
52 35.9 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#7

Chloroethane

Concen: 2.110 ppbv

RT: 3.56 min Scan# 241

Delta R.T. -0.00 min

Lab File: VL036183.D

Acq: 17 Dec 2020 1:46

Instrument :

MSVOA_L

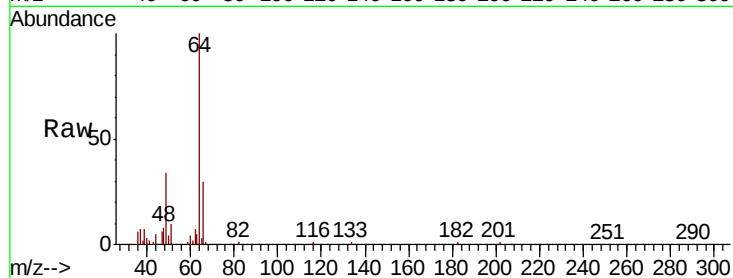
ClientSampleId :

Tot Ion: 64 Resp: 62485

Ion Ratio Lower Upper

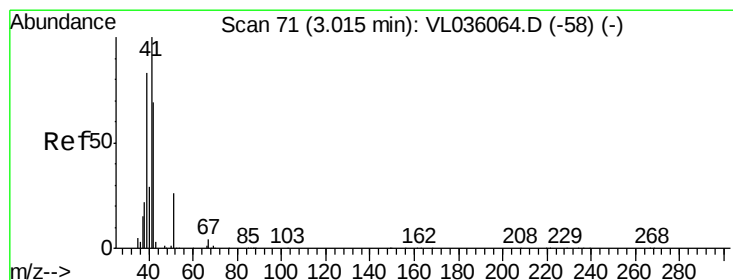
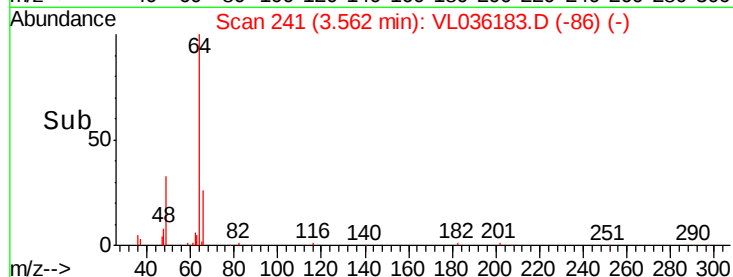
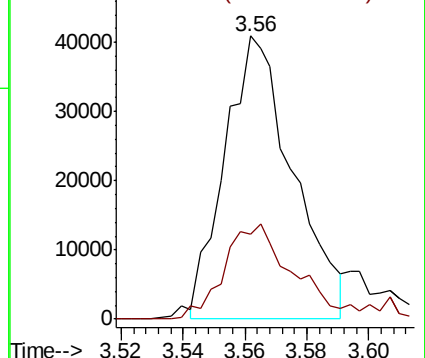
64 100

66 30.1 27.7 41.5



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#9

Propene

Concen: 0.265 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.00 min

Lab File: VL036183.D

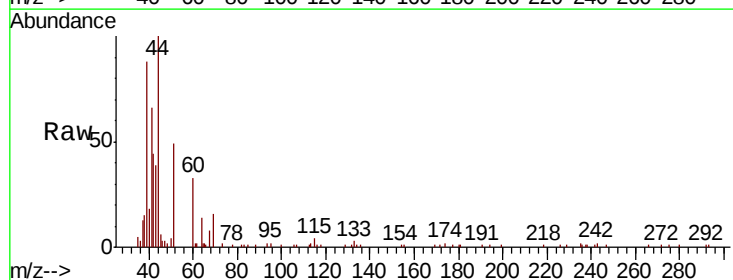
Acq: 17 Dec 2020 1:46

Tgt Ion: 41 Resp: 21162

Ion Ratio Lower Upper

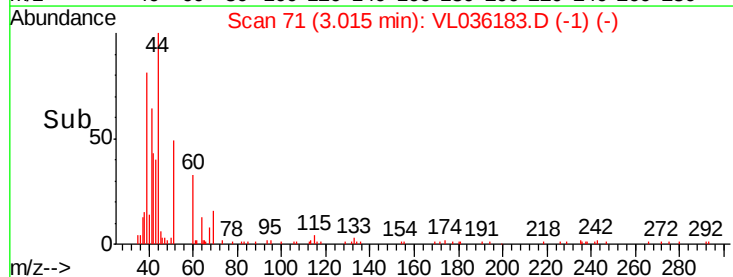
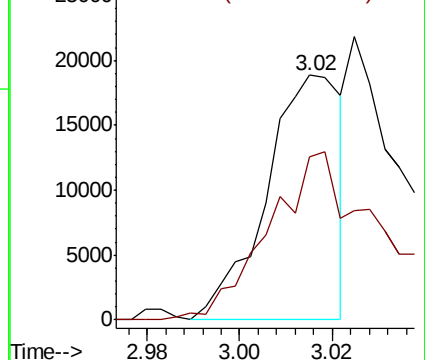
41 100

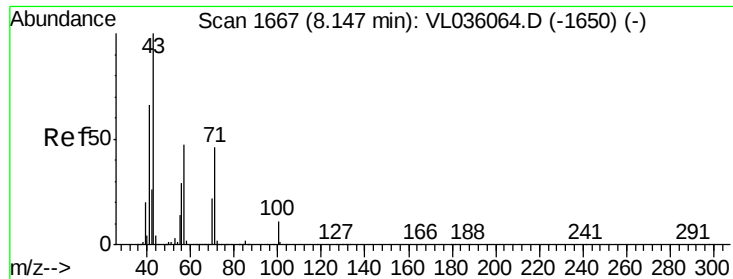
42 121.9 57.0 85.6#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

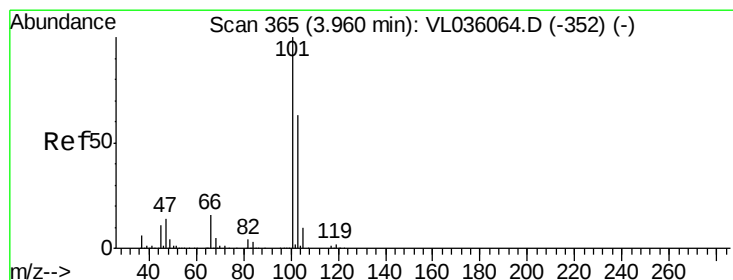
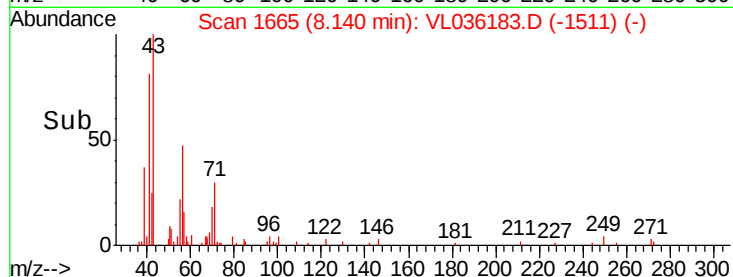
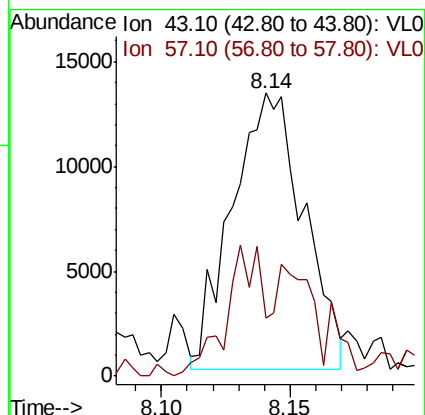
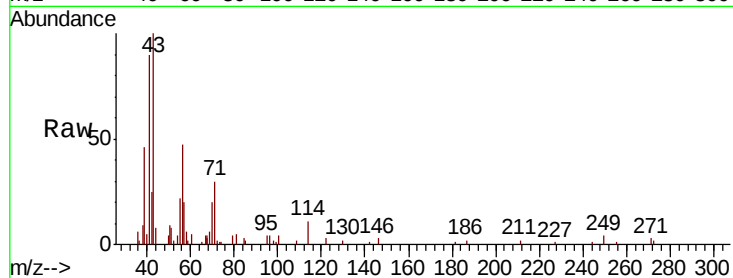




#10
 Heptane
 Concen: 0.125 ppbv
 RT: 8.14 min Scan# 1665
 Delta R.T. -0.01 min
 Lab File: VL036183.D
 Acq: 17 Dec 2020 1:46

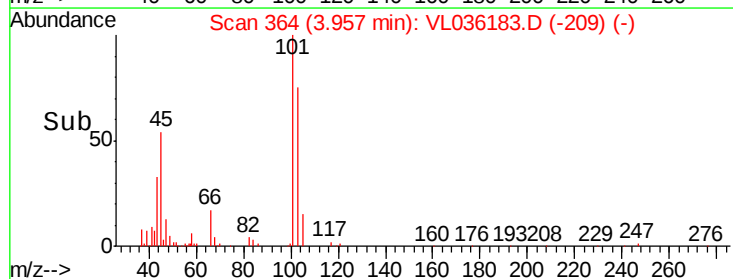
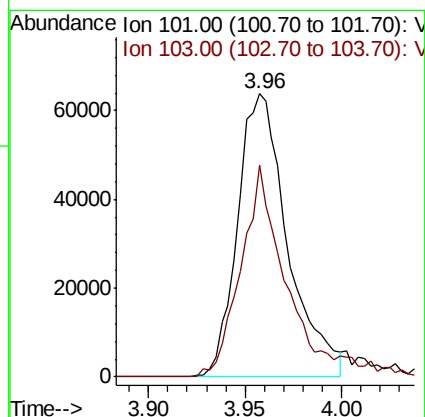
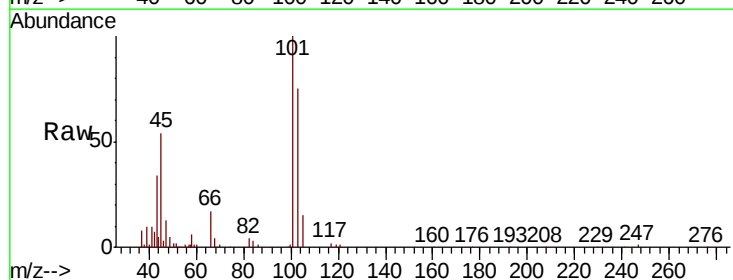
Instrument :
 MSVOA_L
 ClientSampleId :

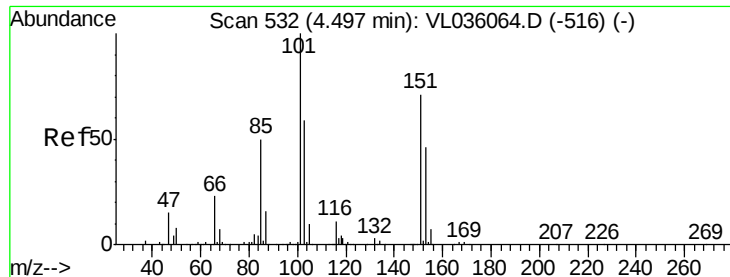
Tot Ion: 43 Resp: 25540
 Ion Ratio Lower Upper
 43 100
 57 53.1 37.9 56.9



#11
 Trichlorofluoromethane
 Concen: 0.600 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VL036183.D
 Acq: 17 Dec 2020 1:46

Tgt Ion: 101 Resp: 114730
 Ion Ratio Lower Upper
 101 100
 103 74.7 50.3 75.5





#12

1,1,2-Trichlorotrifluoroethane

Concen: 1.588 ppbv

RT: 4.49 min Scan# 531

Delta R.T. -0.00 min

Lab File: VL036183.D

Acq: 17 Dec 2020 1:46

Instrument :

MSVOA_L

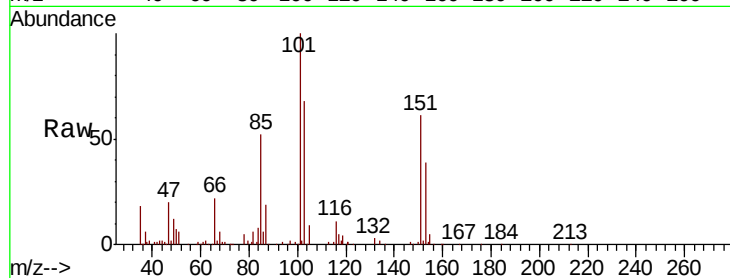
ClientSampled :

Tot Ion:101 Resp: 206056

Ion Ratio Lower Upper

101 100

151 62.7 59.3 88.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

120000

100000

80000

60000

40000

20000

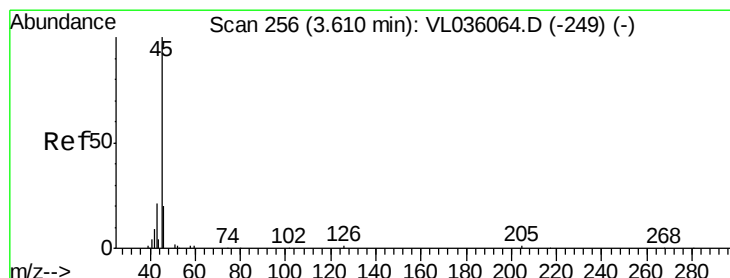
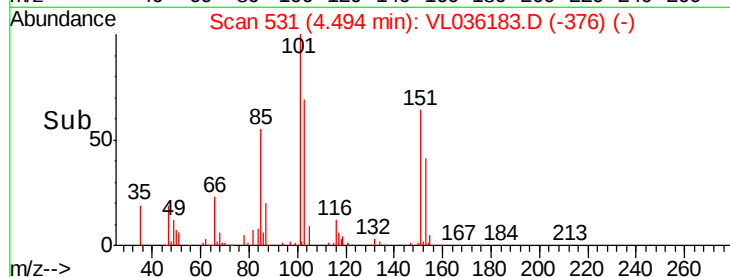
0

4.45

4.50

4.55

Time-->



#13

Ethanol

Concen: 41.273 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.00 min

Lab File: VL036183.D

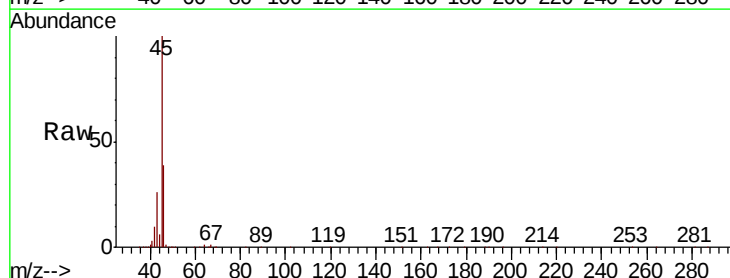
Acq: 17 Dec 2020 1:46

Tgt Ion: 45 Resp: 453611

Ion Ratio Lower Upper

45 100

46 40.7 19.0 75.8



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

250000

200000

150000

100000

50000

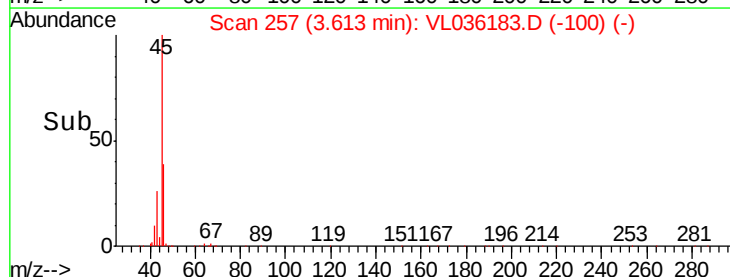
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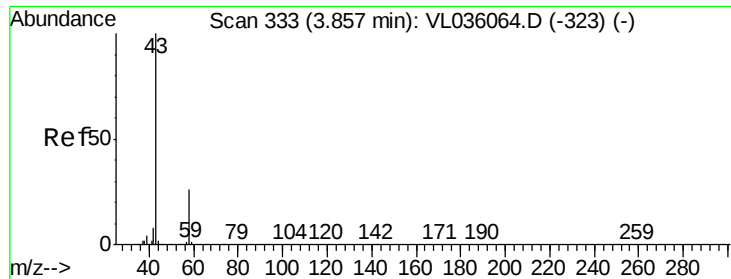
3.55

3.60

3.65

Time-->

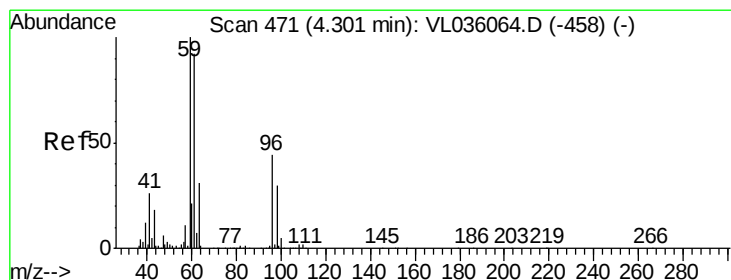
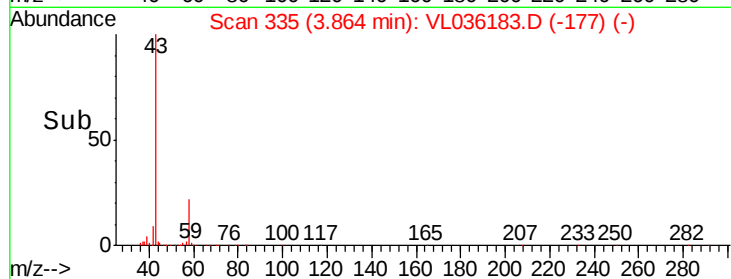
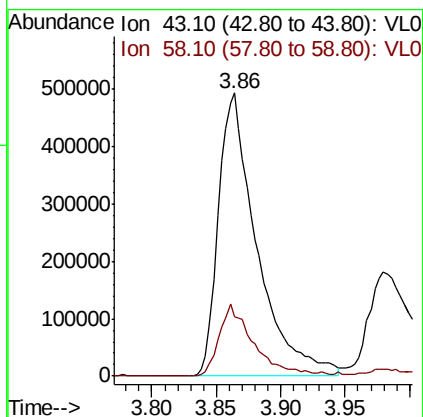
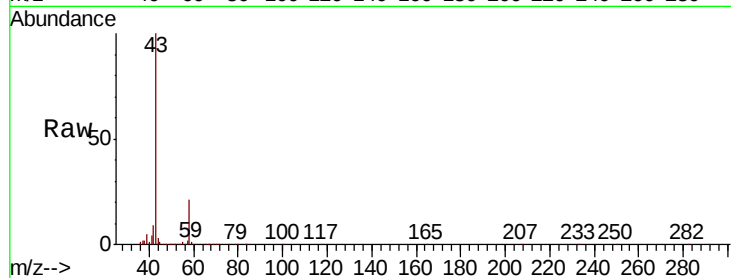




#15
Acetone
Concen: 6.084 ppbv
RT: 3.86 min Scan# 335
Delta R.T. 0.01 min
Lab File: VL036183.D
Acq: 17 Dec 2020 1:46

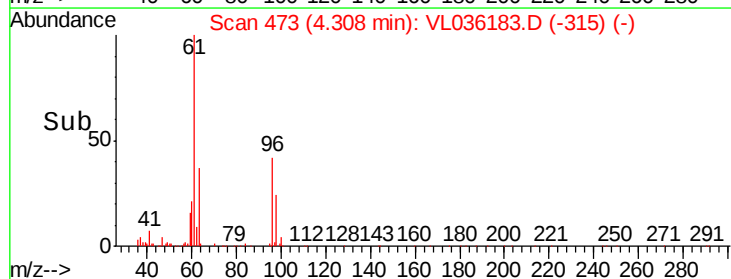
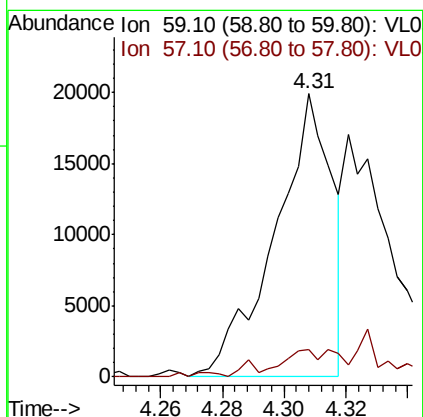
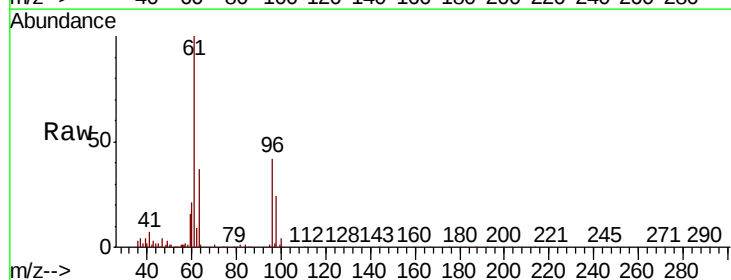
Instrument :
MSVOA_L
ClientSampled :

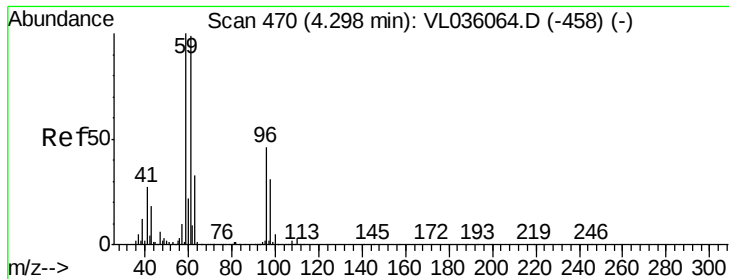
Tot Ion: 43 Resp: 1020023
Ion Ratio Lower Upper
43 100
58 23.3 20.9 31.3



#17
tert-Butyl alcohol
Concen: 0.157 ppbv
RT: 4.31 min Scan# 473
Delta R.T. 0.01 min
Lab File: VL036183.D
Acq: 17 Dec 2020 1:46

Tgt Ion: 59 Resp: 25510
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#





#18

1,1-Dichloroethene

Concen: 2.276 ppbv

RT: 4.29 min Scan# 469

Delta R.T. -0.00 min

Lab File: VL036183.D

Acq: 17 Dec 2020 1:46

Instrument :

MSVOA_L

ClientSampleId :

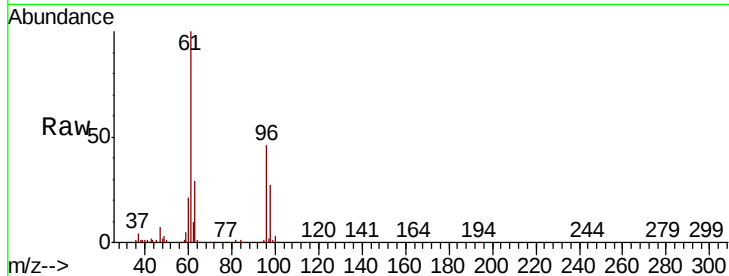
Tot Ion: 96 Resp: 131176

Ion Ratio Lower Upper

96 100

61 215.1 171.4 257.2

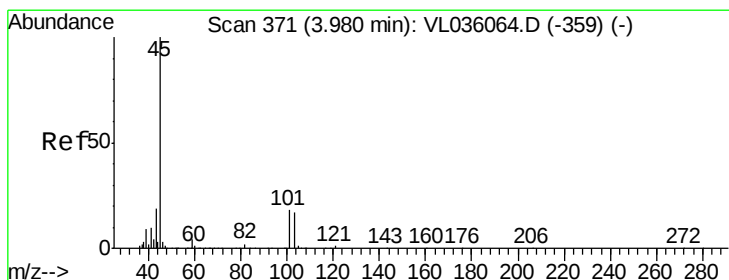
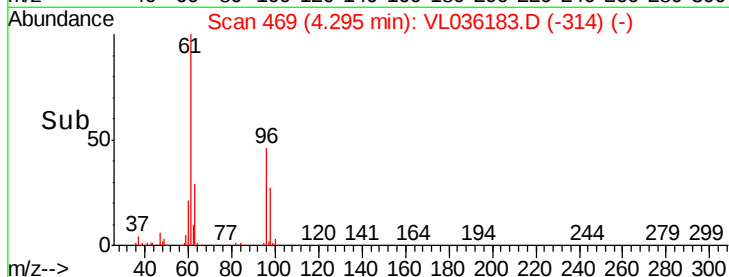
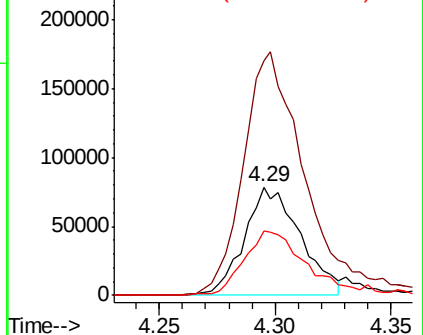
98 59.0 54.2 81.2



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#19

Isopropyl Alcohol

Concen: 14.785 ppbv

RT: 3.98 min Scan# 371

Delta R.T. 0.00 min

Lab File: VL036183.D

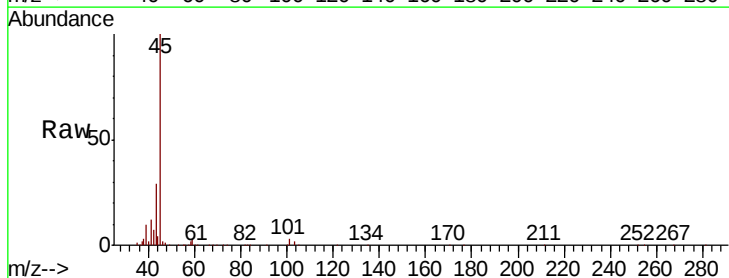
Acq: 17 Dec 2020 1:46

Tgt Ion: 45 Resp: 1514934

Ion Ratio Lower Upper

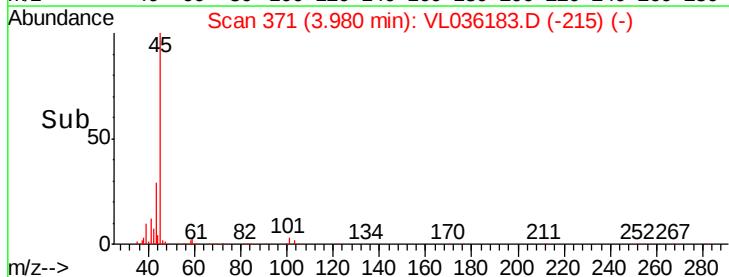
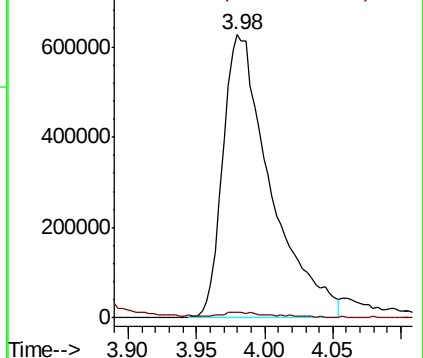
45 100

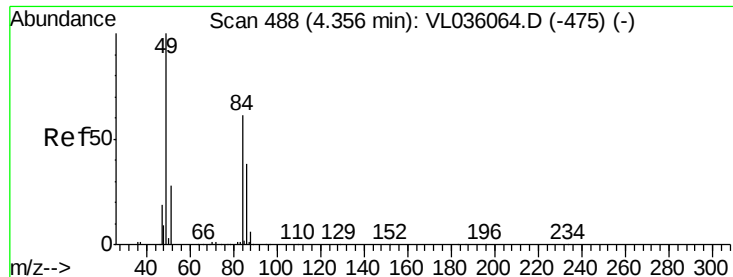
58 1.8 0.0 0.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



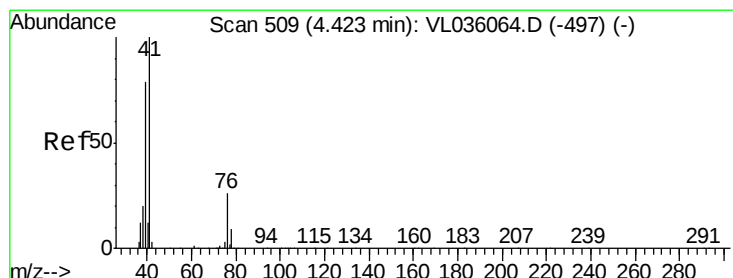
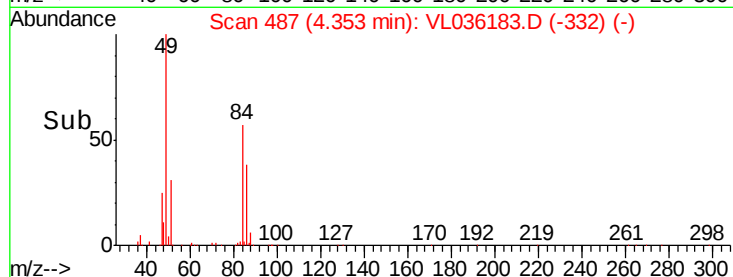
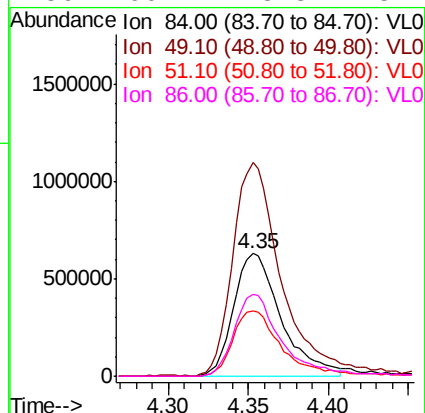
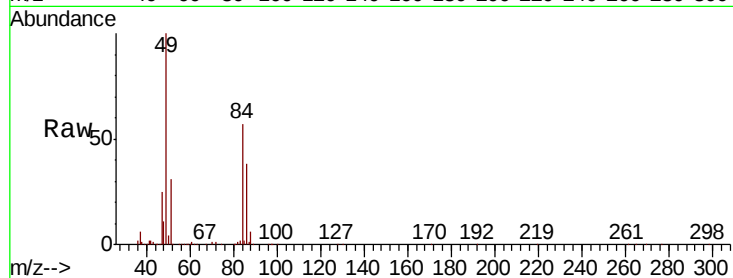


#20
Methylene Chloride
Concen: 18.520 ppbv
RT: 4.35 min Scan# 487
Delta R.T. -0.00 min
Lab File: VL036183.D
Acq: 17 Dec 2020 1:46

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 84 Resp: 1272269

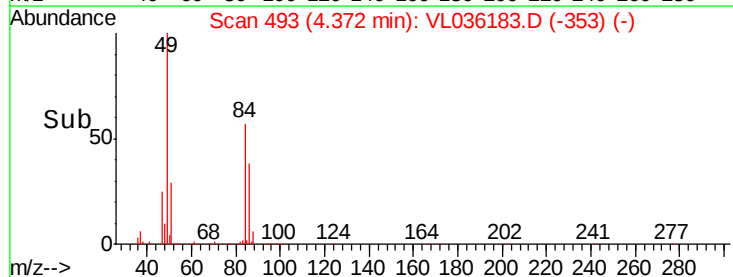
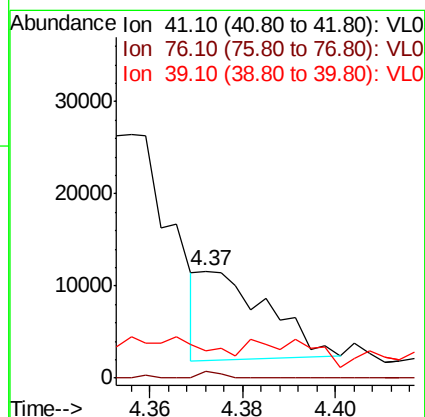
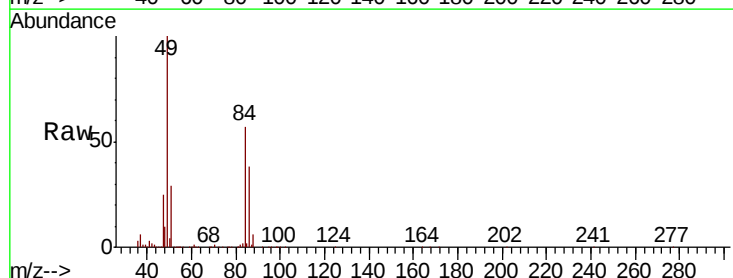
Ion	Ratio	Lower	Upper
84	100		
49	173.9	133.0	199.4
51	53.4	38.9	58.3
86	66.4	48.8	73.2

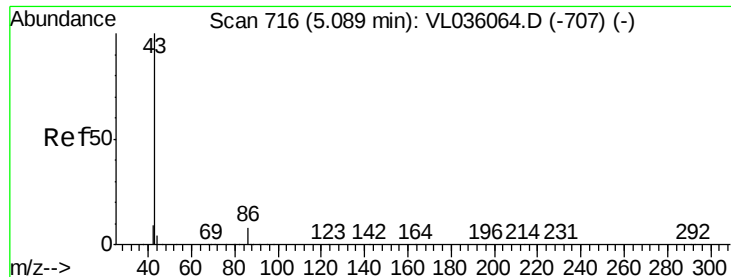


#21
Allyl Chloride
Concen: 0.086 ppbv
RT: 4.37 min Scan# 493
Delta R.T. -0.05 min
Lab File: VL036183.D
Acq: 17 Dec 2020 1:46

Tgt Ion: 41 Resp: 9569

Ion	Ratio	Lower	Upper
41	100		
76	2.9	21.0	31.4#
39	0.0	66.0	99.0#





#23

Vinyl Acetate

Concen: 0.072 ppbv

RT: 5.08 min Scan# 713

Delta R.T. -0.01 min

Lab File: VL036183.D

Acq: 17 Dec 2020 1:46

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 16142

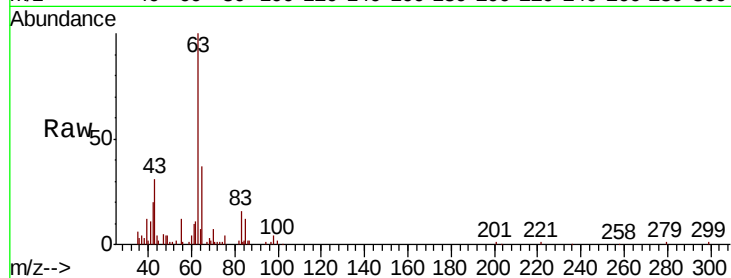
Ion Ratio Lower Upper

43 100

86 11.7 5.0 7.4#

42 68.5 7.8 11.6#

44 13.8 3.2 4.8#

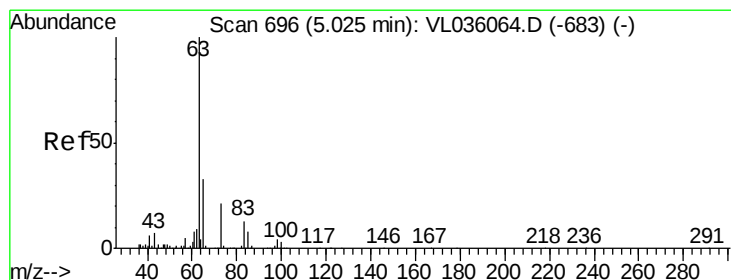
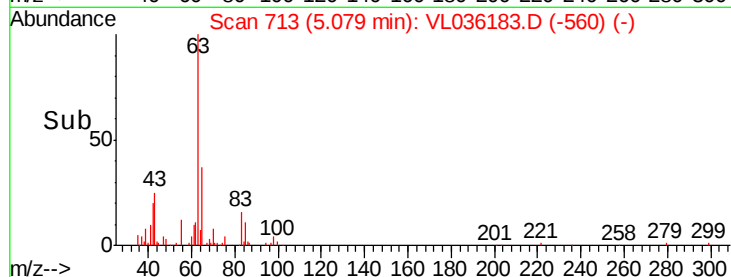
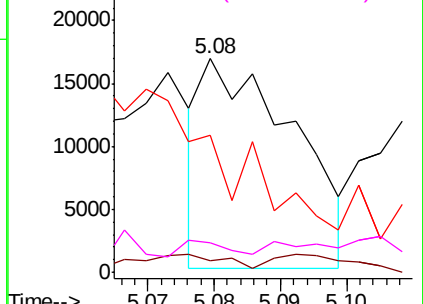


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 16.218 ppbv

RT: 5.02 min Scan# 695

Delta R.T. -0.00 min

Lab File: VL036183.D

Acq: 17 Dec 2020 1:46

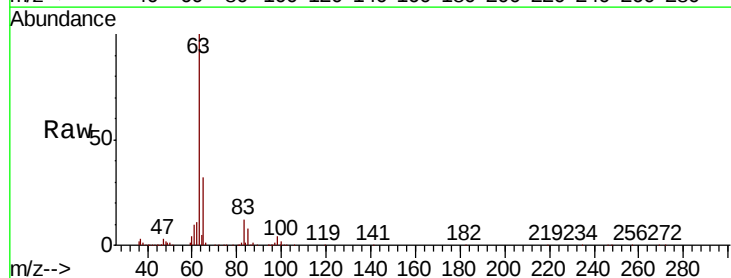
Tgt Ion: 63 Resp: 2545925

Ion Ratio Lower Upper

63 100

98 3.9 2.2 6.6

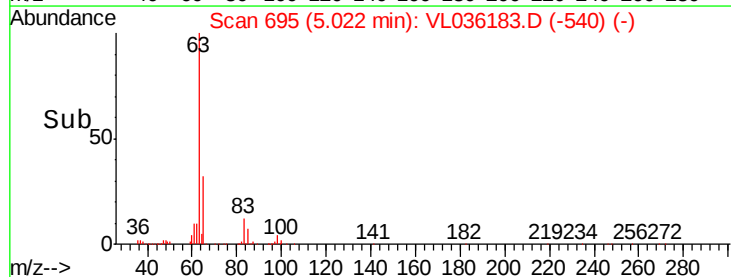
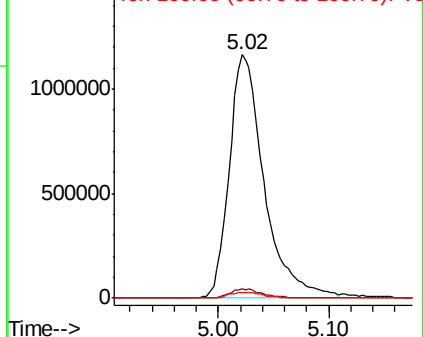
100 2.2 1.5 4.4

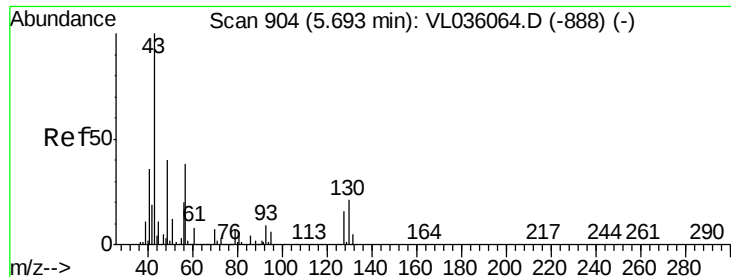


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

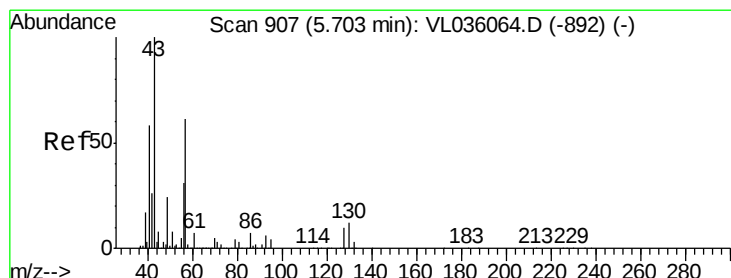
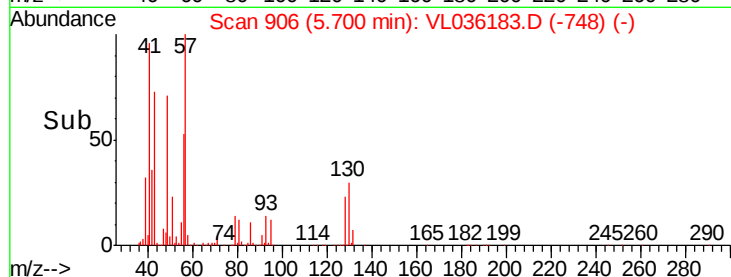
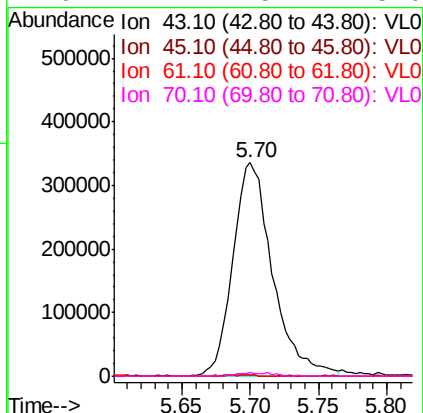
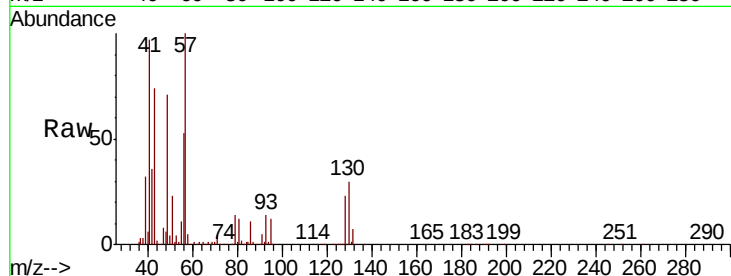




#25
Ethyl Acetate
Concen: 2.023 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.01 min
Lab File: VL036183.D
Acq: 17 Dec 2020 1:46

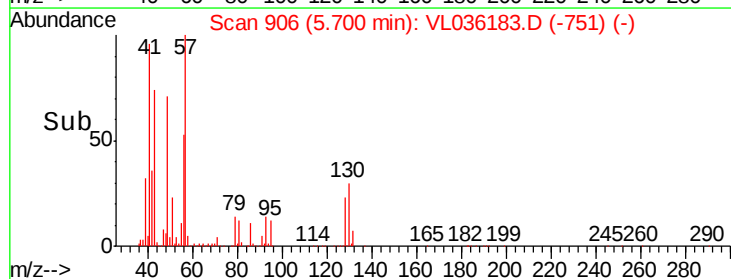
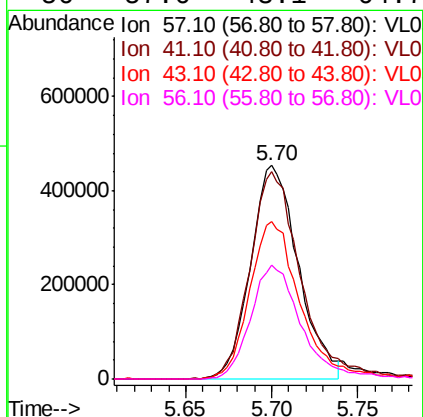
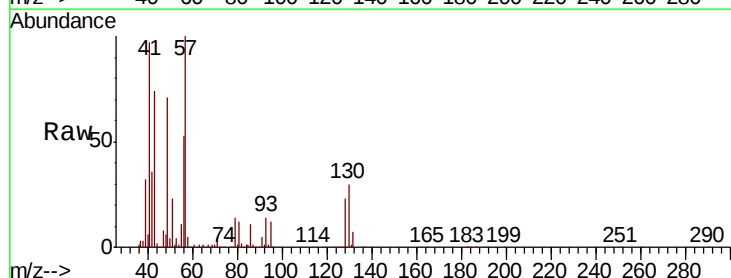
Instrument :
MSVOA_L
ClientSampleId :

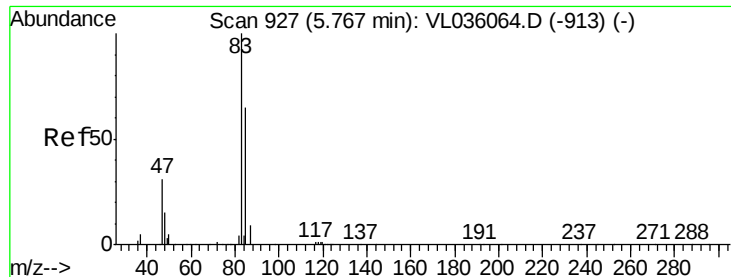
Tot Ion:	43	Resp:	677596
Ion	Ratio	Lower	Upper
43	100		
45	0.9	8.2	12.4#
61	0.6	7.4	11.2#
70	1.7	5.4	8.0#



#26
Hexane
Concen: 5.789 ppbv
RT: 5.70 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL036183.D
Acq: 17 Dec 2020 1:46

Tgt Ion:	57	Resp:	872576
Ion	Ratio	Lower	Upper
57	100		
41	105.7	82.9	124.3
43	79.5	199.9	299.9#
56	57.6	43.1	64.7

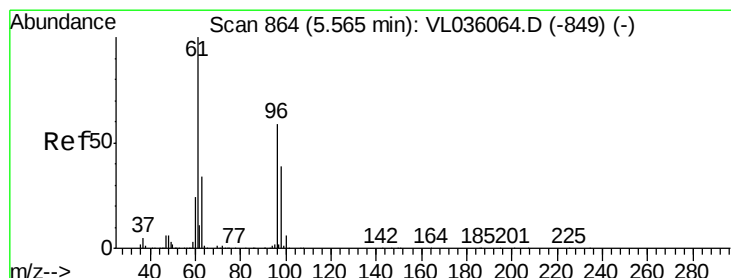
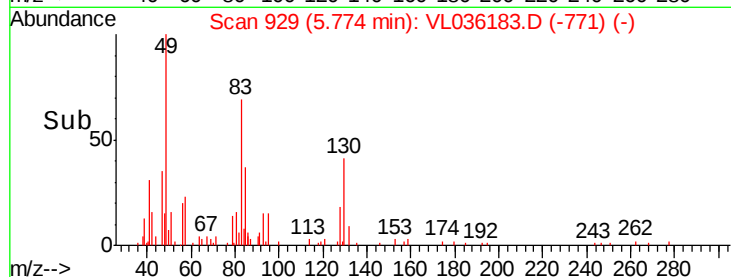
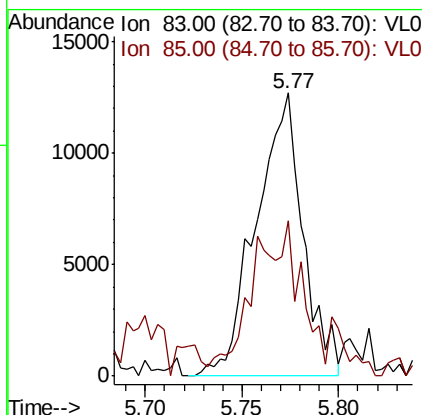
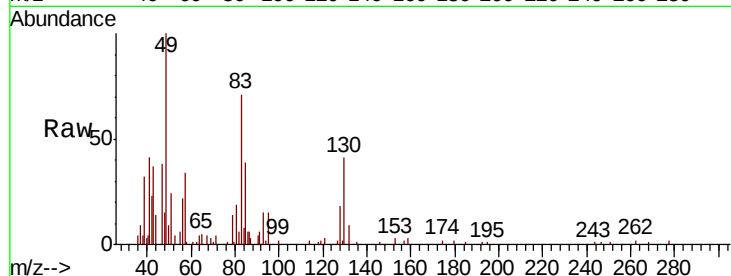




#29
Chloroform
Concen: 0.108 ppbv
RT: 5.77 min Scan# 929
Delta R.T. 0.01 min
Lab File: VL036183.D
Acq: 17 Dec 2020 1:46

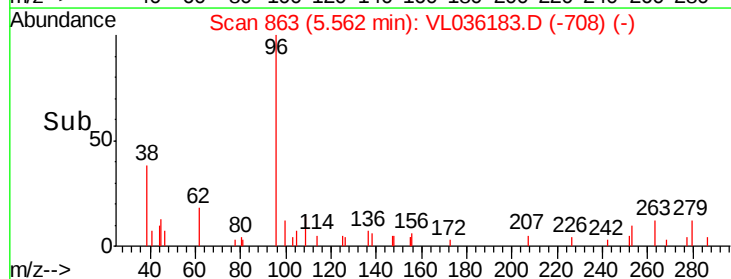
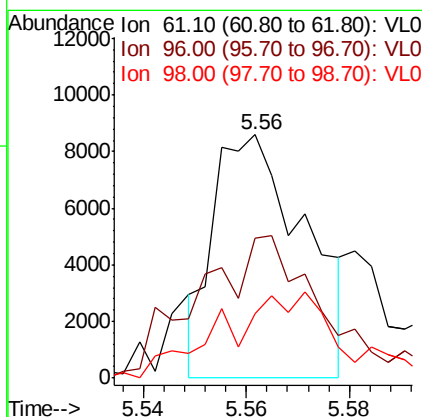
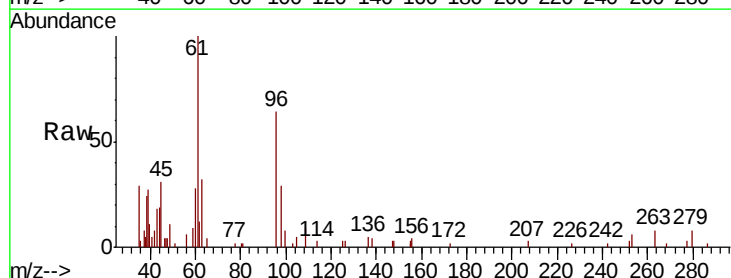
Instrument :
MSVOA_L
ClientSampled :

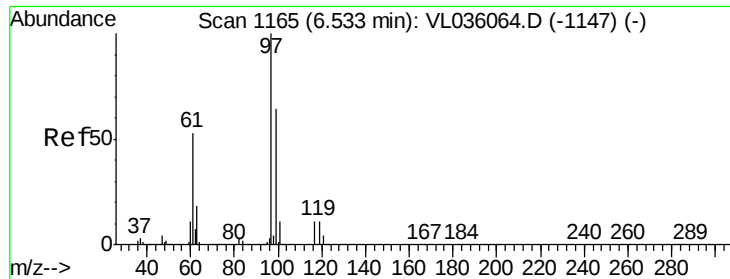
Tot Ion: 83 Resp: 21455
Ion Ratio Lower Upper
83 100
85 44.3 51.8 77.6#



#31
cis-1,2-Dichloroethene
Concen: 0.077 ppbv
RT: 5.56 min Scan# 863
Delta R.T. -0.00 min
Lab File: VL036183.D
Acq: 17 Dec 2020 1:46

Tgt Ion: 61 Resp: 10536
Ion Ratio Lower Upper
61 100
96 62.9 47.3 70.9
98 25.5 31.4 47.0#





#32

1,1,1-Trichloroethane

Concen: 72.501 ppbv

RT: 6.53 min Scan# 1163

Delta R.T. -0.01 min

Lab File: VL036183.D

Acq: 17 Dec 2020 1:46

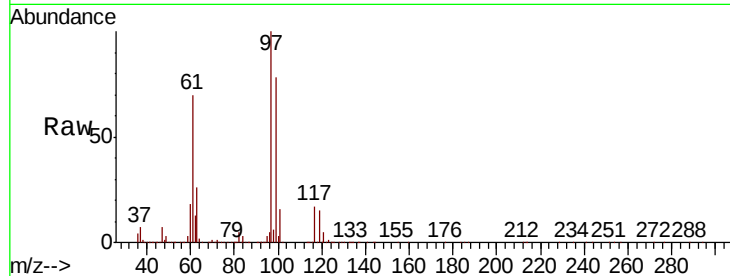
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 97 Resp:14808255

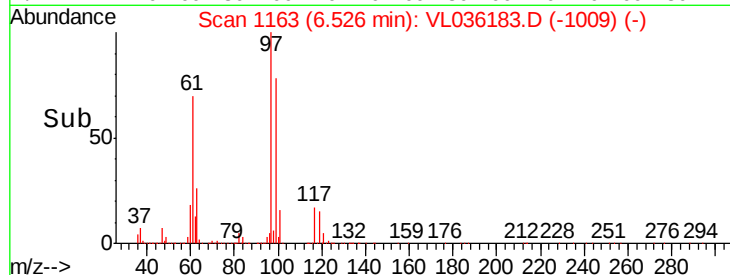
Ion	Ratio	Lower	Upper
97	100		
99	72.6	52.4	78.6
61	64.5	43.4	65.0



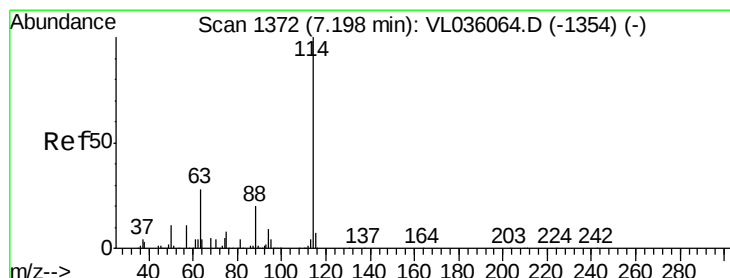
Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0



Time-->



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.20 min Scan# 1371

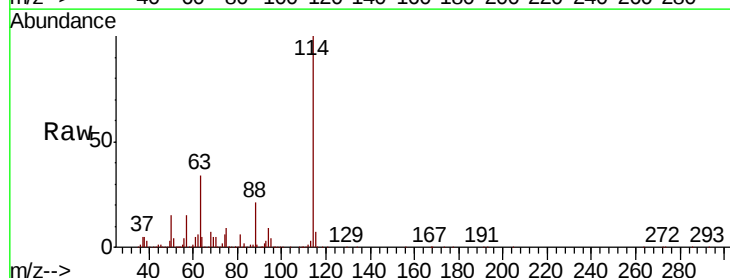
Delta R.T. -0.00 min

Lab File: VL036183.D

Acq: 17 Dec 2020 1:46

Tgt Ion:114 Resp: 2571819

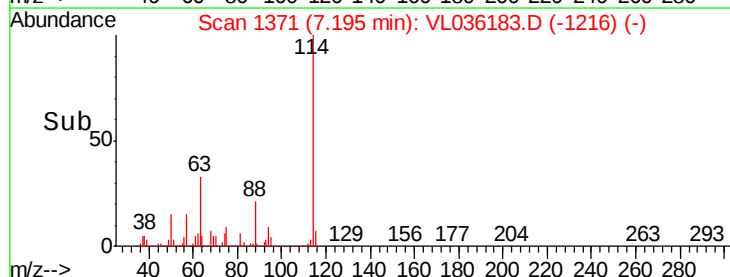
Ion	Ratio	Lower	Upper
114	100		
63	35.0	23.6	35.4
88	21.5	15.8	23.6



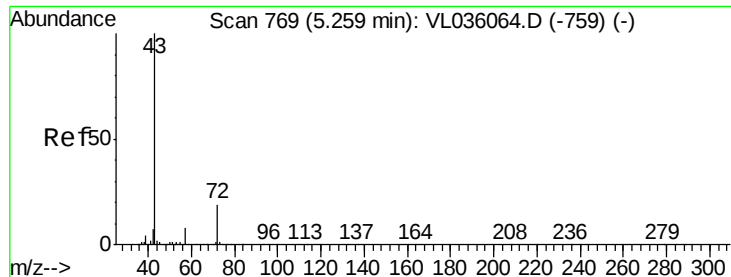
Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



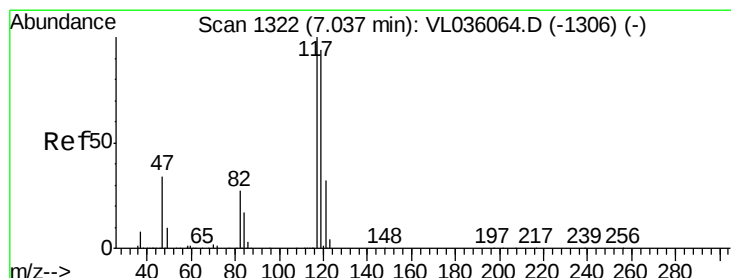
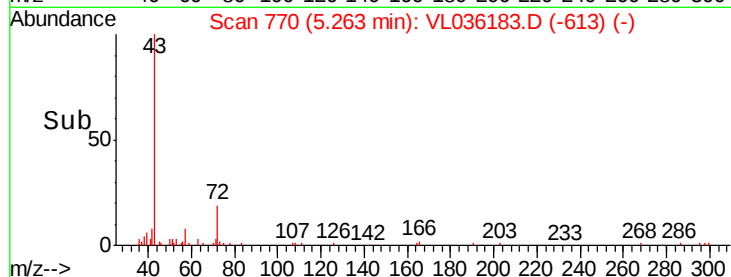
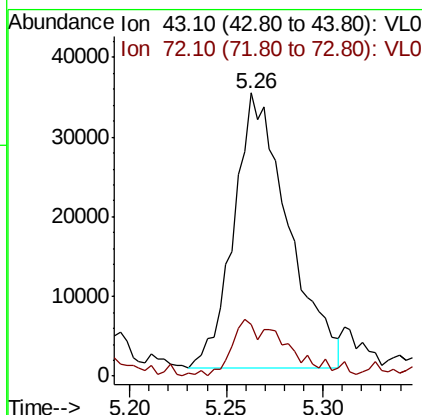
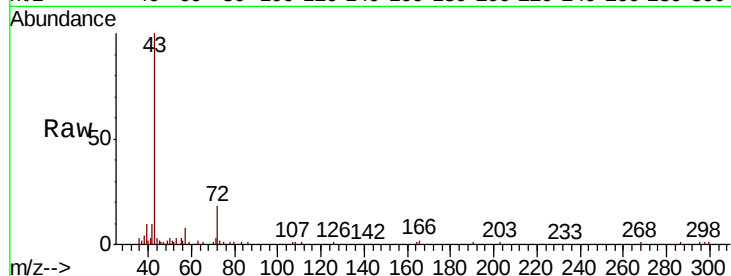
Time-->



#34
2-Butanone
Concen: 0.398 ppbv
RT: 5.26 min Scan# 770
Delta R.T. 0.00 min
Lab File: VL036183.D
Acq: 17 Dec 2020 1:46

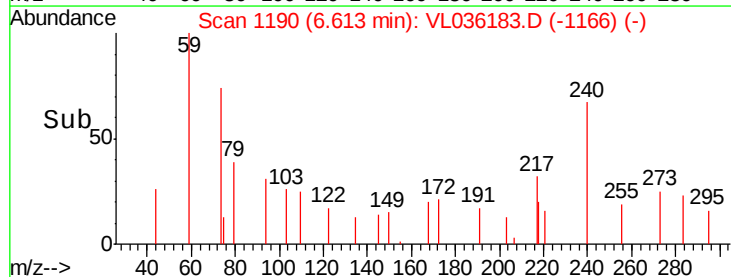
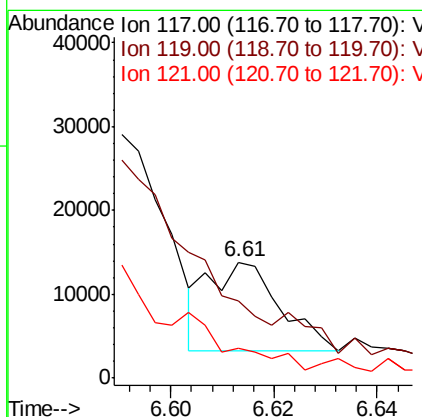
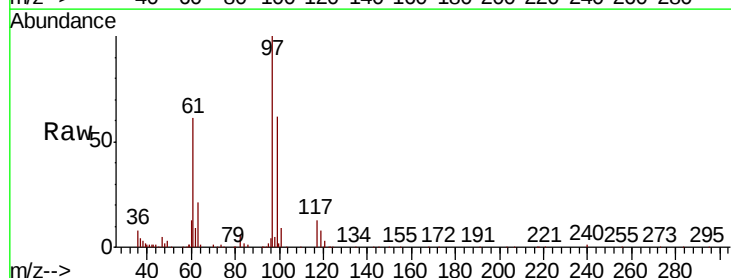
Instrument :
MSVOA_L
ClientSampleId :

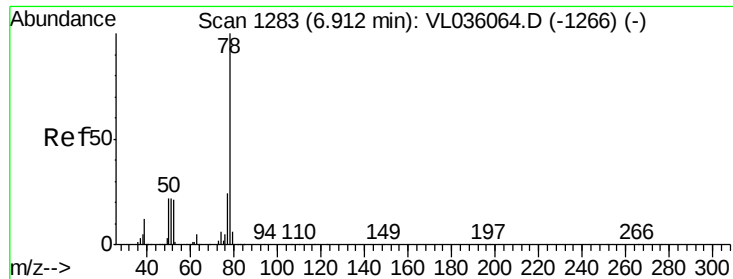
Tot Ion: 43 Resp: 67829
Ion Ratio Lower Upper
43 100
72 20.9 16.5 24.7



#35
Carbon Tetrachloride
Concen: 0.067 ppbv
RT: 6.61 min Scan# 1190
Delta R.T. -0.42 min
Lab File: VL036183.D
Acq: 17 Dec 2020 1:46

Tgt Ion: 117 Resp: 10028
Ion Ratio Lower Upper
117 100
119 59.2 75.1 112.7#
121 12.1 25.6 38.4#

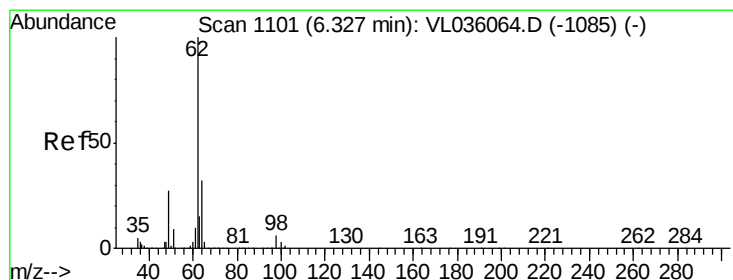
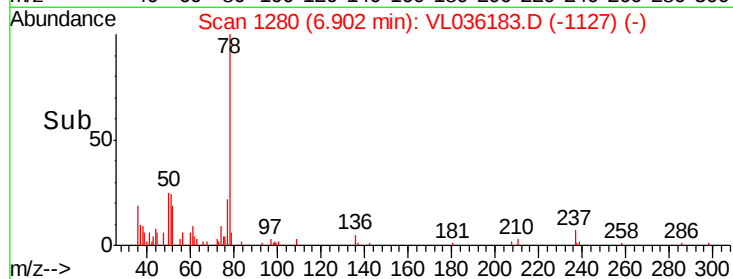
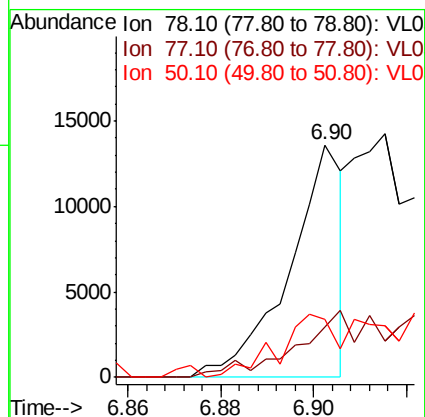
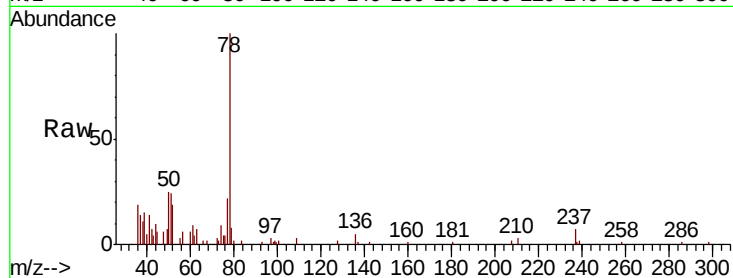




#36
Benzene
Concen: 0.050 ppbv
RT: 6.90 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VL036183.D
Acq: 17 Dec 2020 1:46

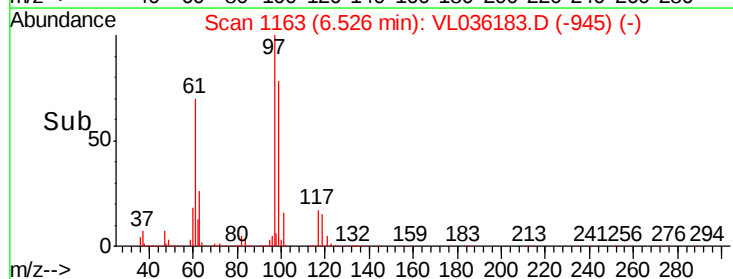
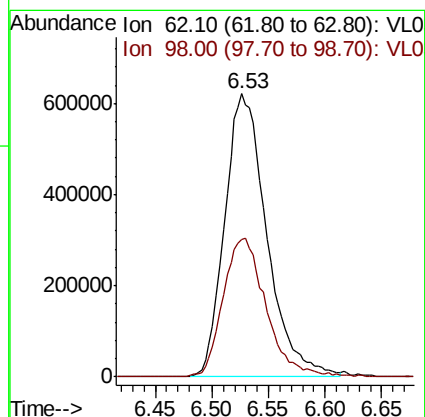
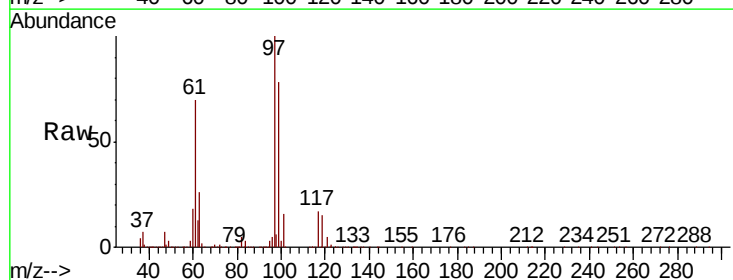
Instrument :
MSVOA_L
ClientSampleId :

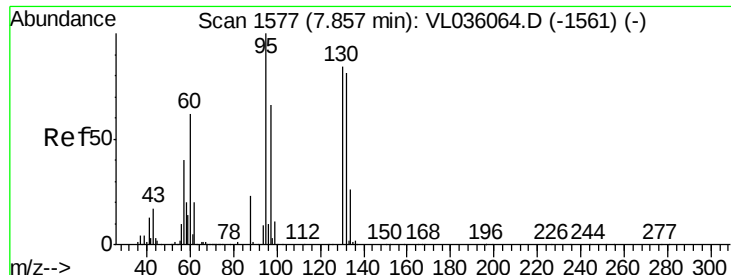
Tot Ion: 78 Resp: 10866
Ion Ratio Lower Upper
78 100
77 21.8 19.4 29.2
50 19.6 17.8 26.8



#37
1,2-Dichloroethane
Concen: 12.653 ppbv
RT: 6.53 min Scan# 1163
Delta R.T. 0.20 min
Lab File: VL036183.D
Acq: 17 Dec 2020 1:46

Tgt Ion: 62 Resp: 1598029
Ion Ratio Lower Upper
62 100
98 50.5 4.6 7.0#





#38

Trichloroethene

Concen: 0.257 ppbv

RT: 7.85 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VL036183.D

Acq: 17 Dec 2020 1:46

Instrument :

MSVOA_L

ClientSampled :

Tot Ion:130 Resp: 20947

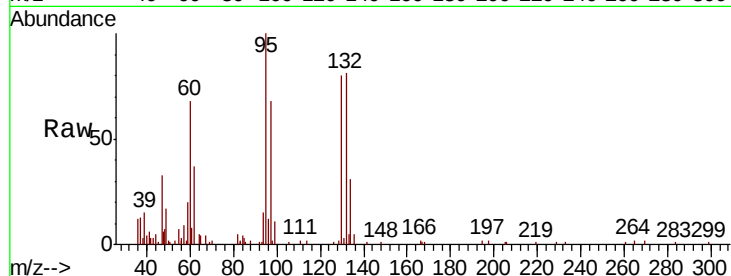
Ion Ratio Lower Upper

130 100

95 116.4 95.2 142.8

132 96.7 76.9 115.3

97 83.8 62.3 93.5

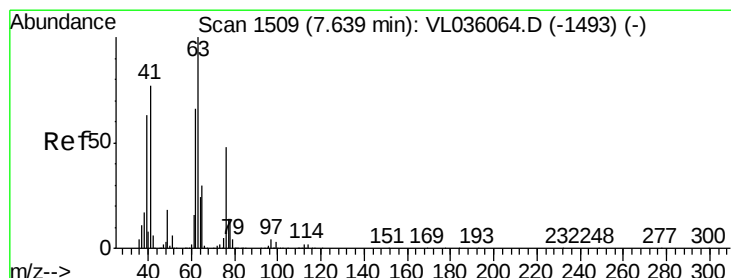
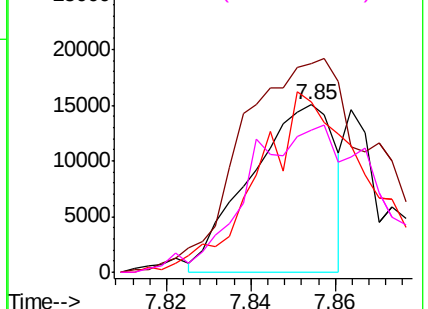
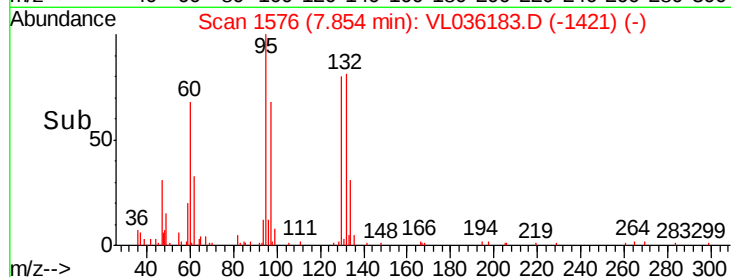


Abundance Ion 130.00 (129.70 to 130.70): V

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: 10.194 ppbv

RT: 7.20 min Scan# 1371

Delta R.T. -0.44 min

Lab File: VL036183.D

Acq: 17 Dec 2020 1:46

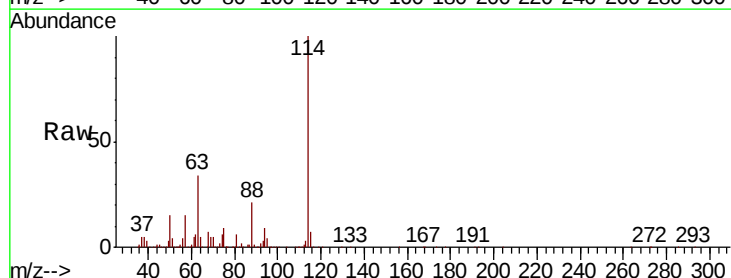
Tgt Ion: 63 Resp: 877444

Ion Ratio Lower Upper

63 100

41 0.0 61.9 92.9#

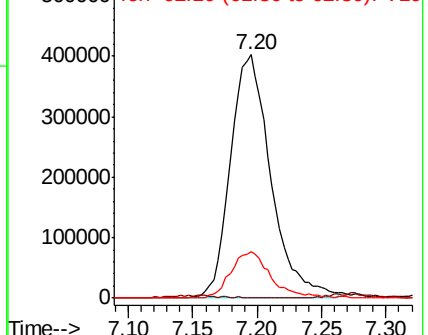
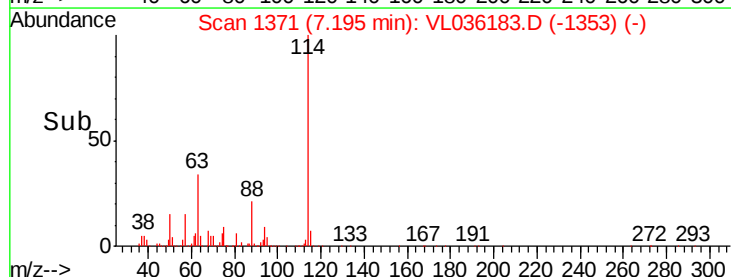
62 19.0 52.5 78.7#

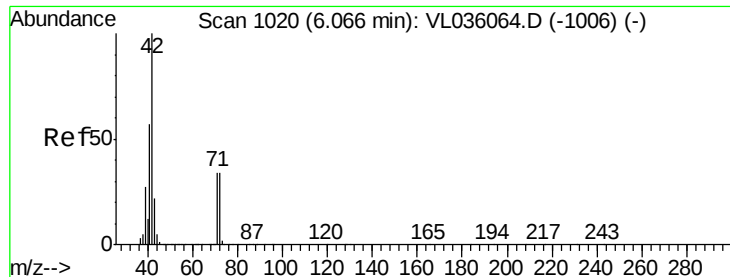


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

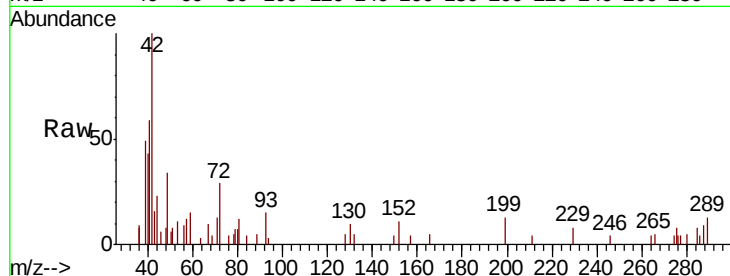




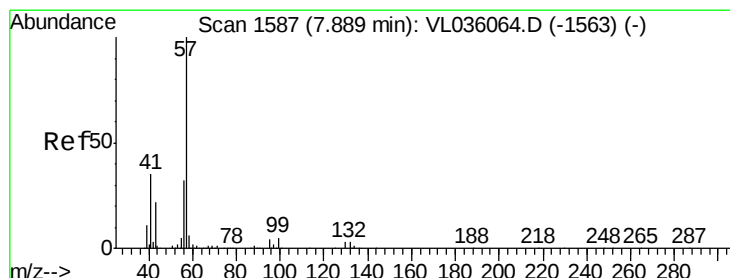
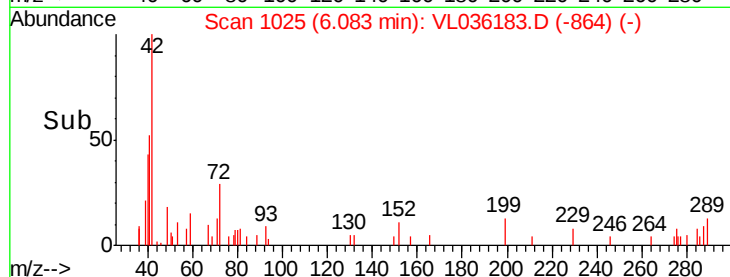
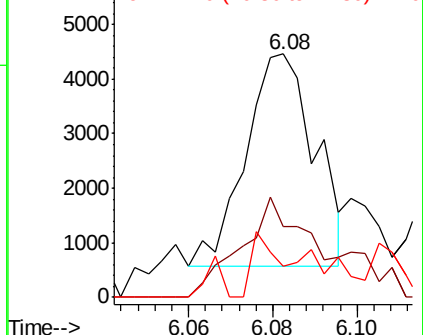
#41
Tetrahydrofuran
Concen: 0.044 ppbv
RT: 6.08 min Scan# 1025
Delta R.T. 0.02 min
Lab File: VL036183.D
Acq: 17 Dec 2020 1:46

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 42 Resp: 4440
Ion Ratio Lower Upper
42 100
72 57.1 28.3 42.5#
71 40.1 27.3 40.9

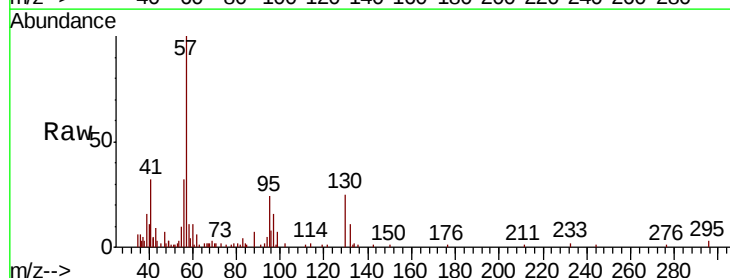


Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0

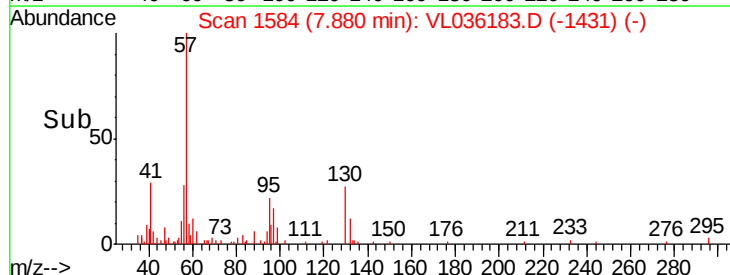
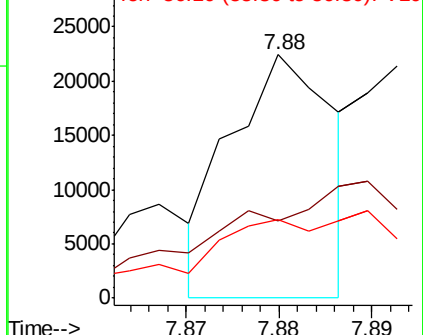


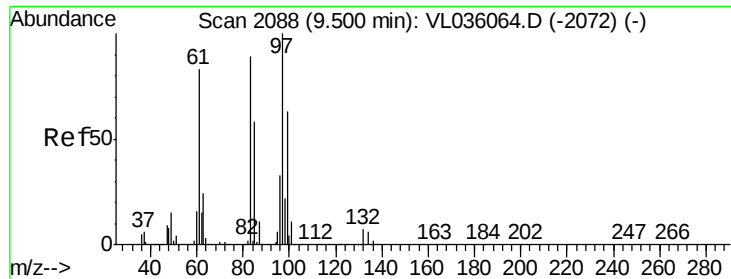
#44
2,2,4-Trimethylpentane
Concen: 0.044 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. -0.01 min
Lab File: VL036183.D
Acq: 17 Dec 2020 1:46

Tgt Ion: 57 Resp: 17267
Ion Ratio Lower Upper
57 100
41 0.0 28.9 43.3#
56 0.0 25.3 37.9#



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

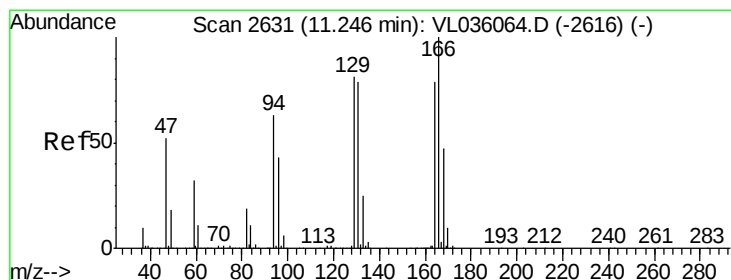
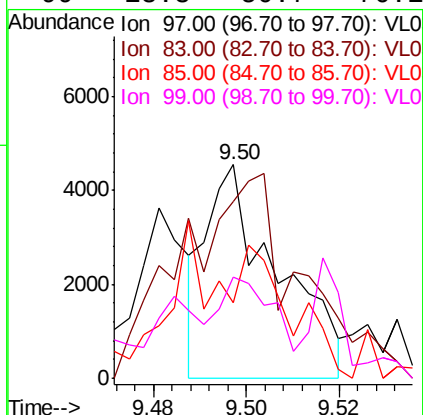
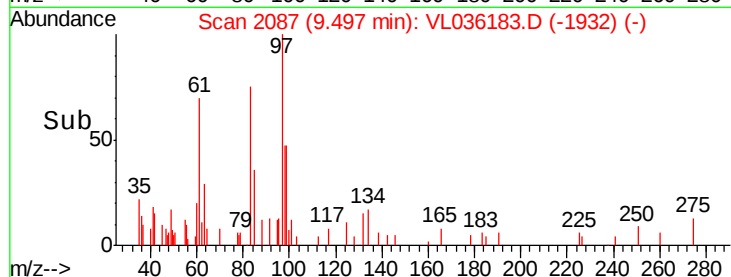
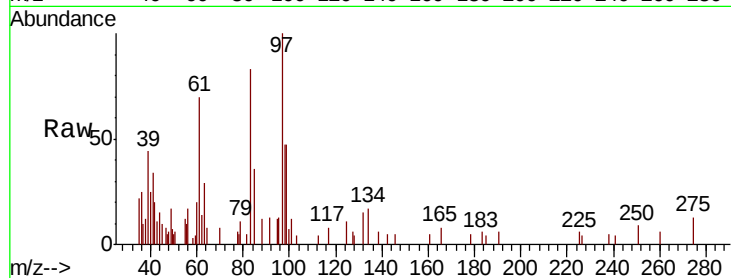




#47
 1,1,2-Trichloroethane
 Concen: 0.059 ppbv
 RT: 9.50 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VL036183.D
 Acq: 17 Dec 2020 1:46

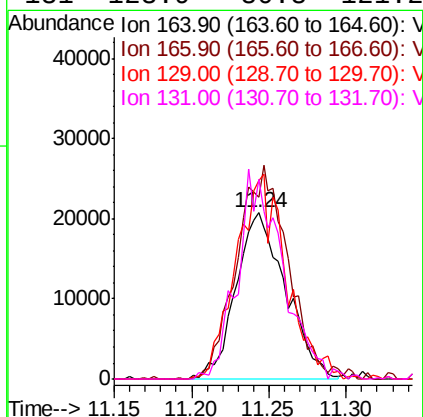
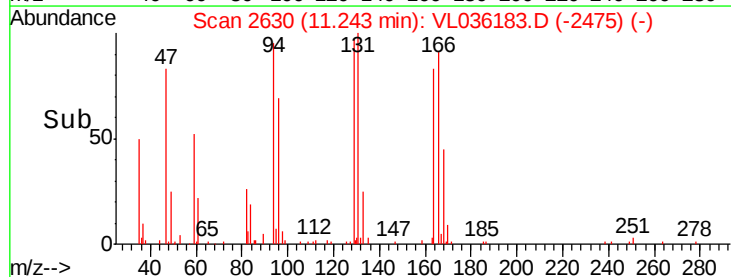
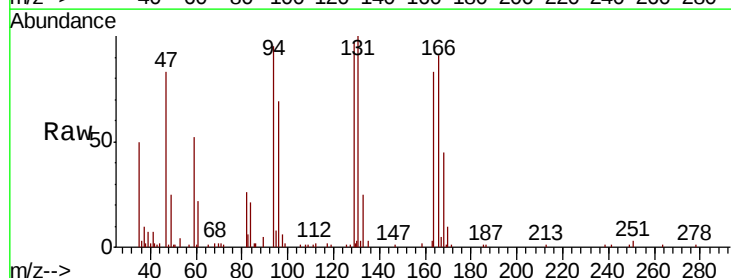
Instrument :
 MSVOA_L
 ClientSampleId :

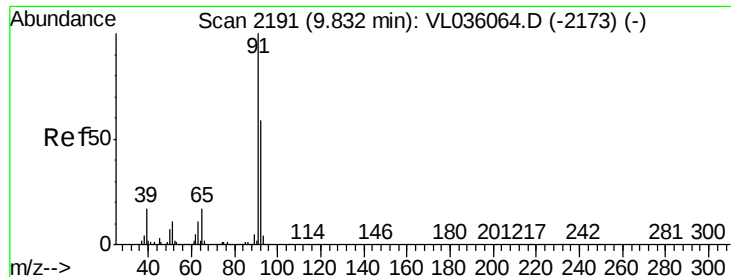
Tot Ion: 97 Resp: 4887
 Ion Ratio Lower Upper
 97 100
 83 66.7 71.4 107.2#
 85 38.8 46.6 70.0#
 99 18.8 50.7 76.1#



#52
 Tetrachloroethene
 Concen: 0.587 ppbv
 RT: 11.24 min Scan# 2630
 Delta R.T. -0.00 min
 Lab File: VL036183.D
 Acq: 17 Dec 2020 1:46

Tgt Ion: 164 Resp: 46343
 Ion Ratio Lower Upper
 164 100
 166 109.3 101.9 152.9
 129 119.5 82.1 123.1
 131 123.9 80.8 121.2#





#53

Toluene

Concen: 1.442 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. -0.01 min

Lab File: VL036183.D

Acq: 17 Dec 2020 1:46

Instrument :

MSVOA_L

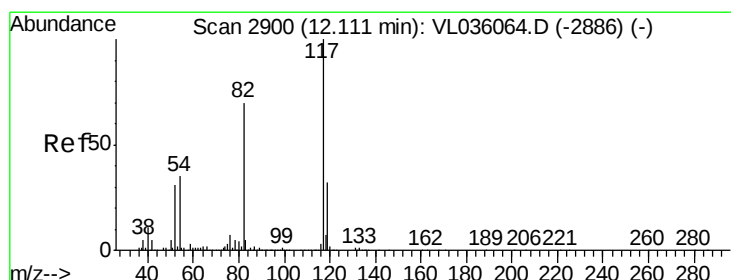
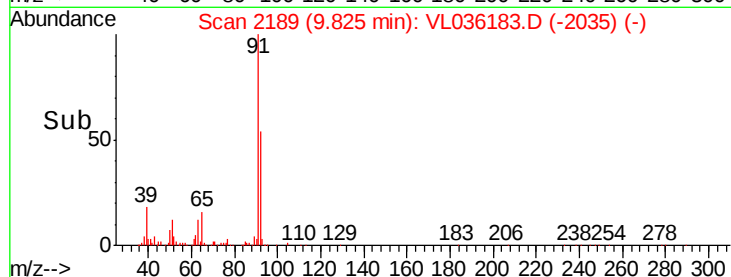
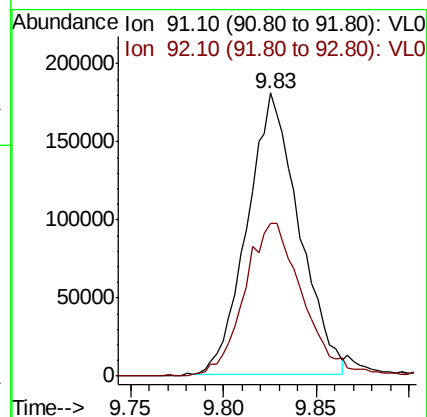
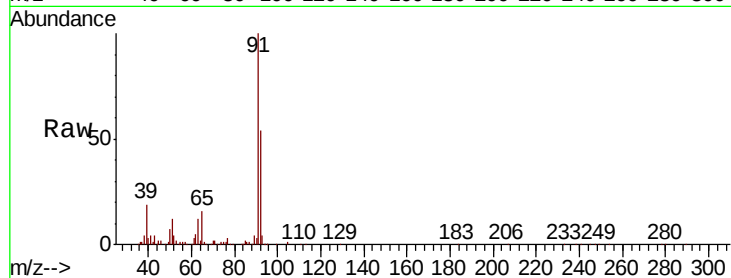
ClientSampleId :

Tot Ion: 91 Resp: 352965

Ion Ratio Lower Upper

91 100

92 62.2 48.2 72.2



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VL036183.D

Acq: 17 Dec 2020 1:46

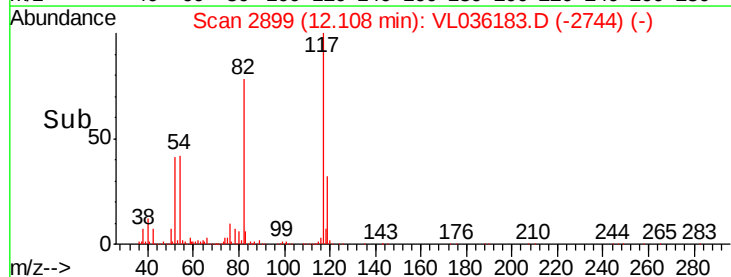
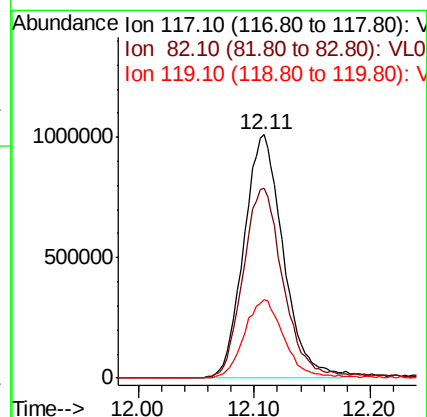
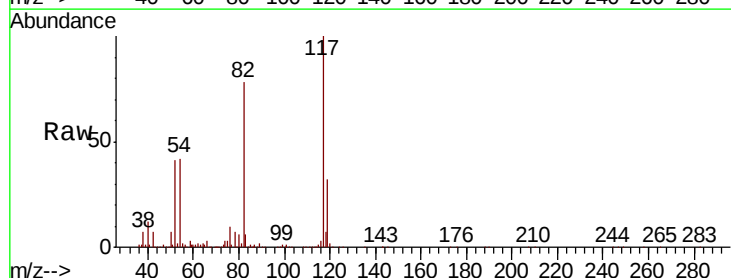
Tgt Ion: 117 Resp: 2388463

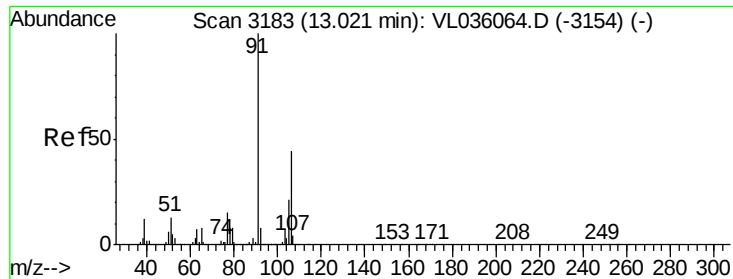
Ion Ratio Lower Upper

117 100

82 81.3 0.0 0.0#

119 33.1 0.0 0.0#

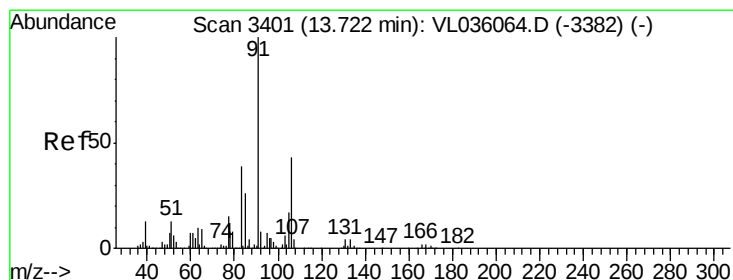
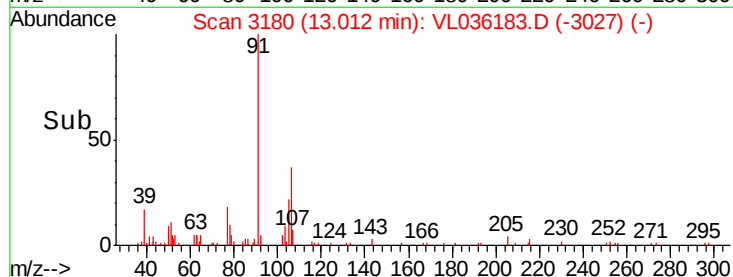
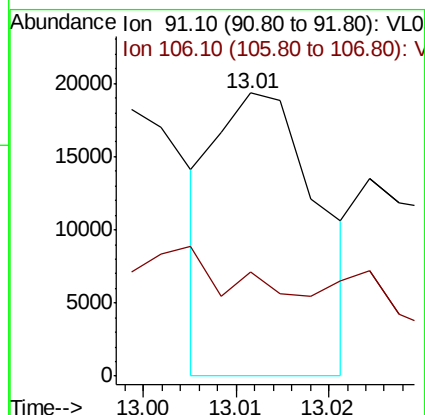
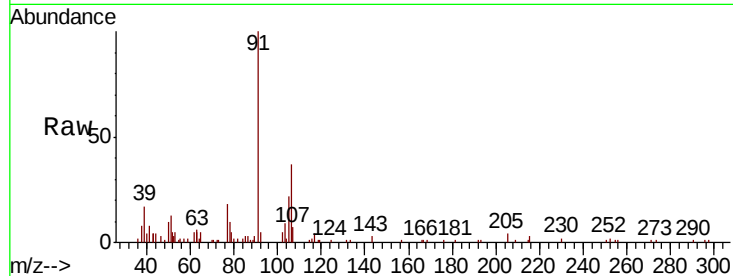




#59
m/p-Xylene
Concen: 0.054 ppbv
RT: 13.01 min Scan# 3180
Delta R.T. -0.01 min
Lab File: VL036183.D
Acq: 17 Dec 2020 1:46

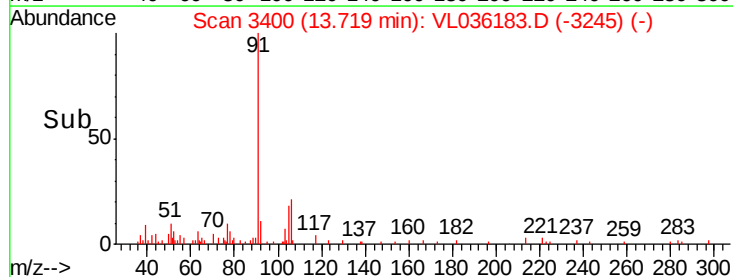
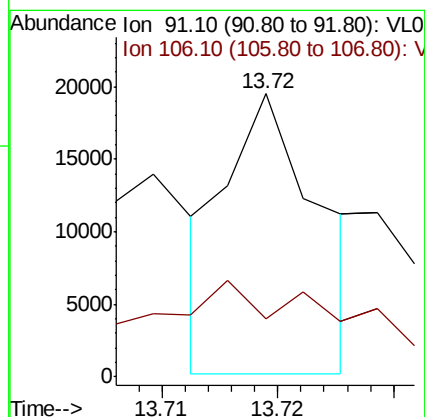
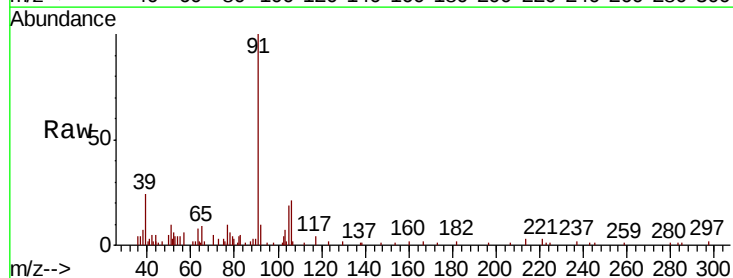
Instrument :
MSVOA_L
ClientSampled :

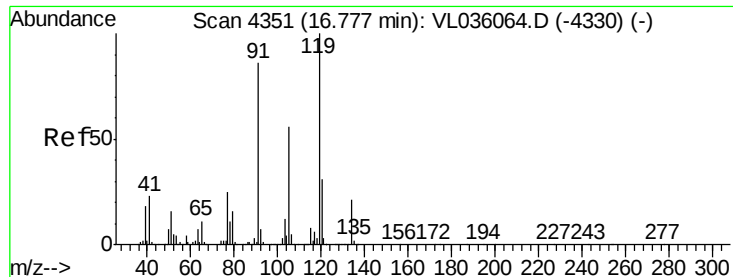
Tot Ion: 91 Resp: 14974
Ion Ratio Lower Upper
91 100
106 0.0 33.6 50.4#



#60
o-Xylene
Concen: 0.041 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. -0.00 min
Lab File: VL036183.D
Acq: 17 Dec 2020 1:46

Tgt Ion: 91 Resp: 10694
Ion Ratio Lower Upper
91 100
106 125.6 21.6 64.6#





#65

tert-Butylbenzene

Concen: 0.898 ppbv

RT: 17.00 min Scan# 4421

Delta R.T. 0.23 min

Lab File: VL036183.D

Acq: 17 Dec 2020 1:46

Instrument :

MSVOA_L

ClientSampleId :

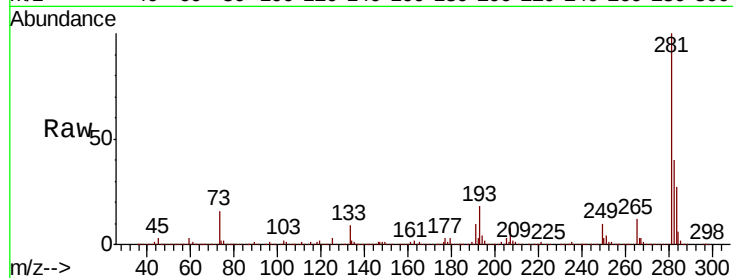
Tot Ion:119 Resp: 283095

Ion Ratio Lower Upper

119 100

91 3.5 70.2 105.2#

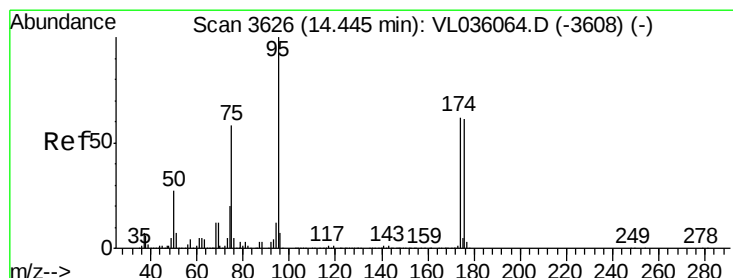
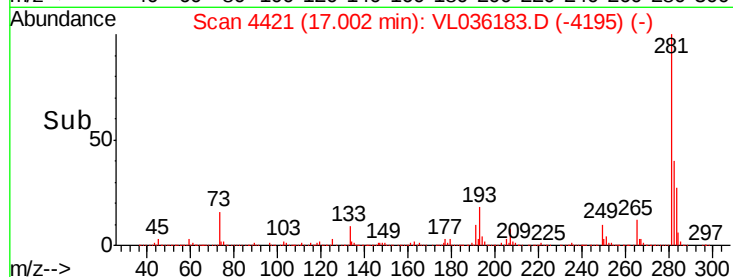
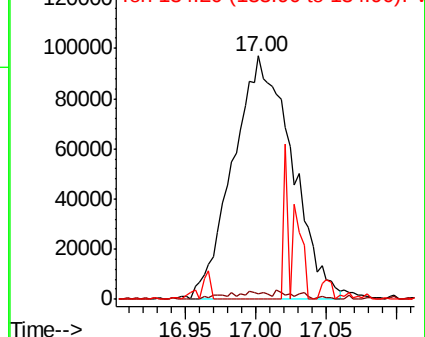
134 12.3 15.8 23.6#



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 11.069 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. -0.01 min

Lab File: VL036183.D

Acq: 17 Dec 2020 1:46

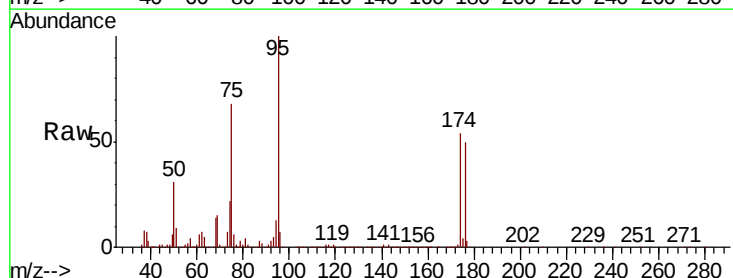
Tgt Ion: 95 Resp: 2099327

Ion Ratio Lower Upper

95 100

174 53.4 50.7 76.1

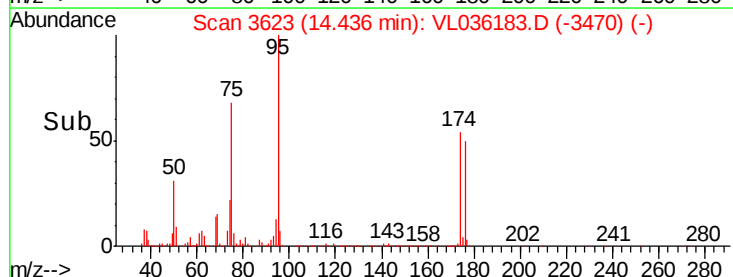
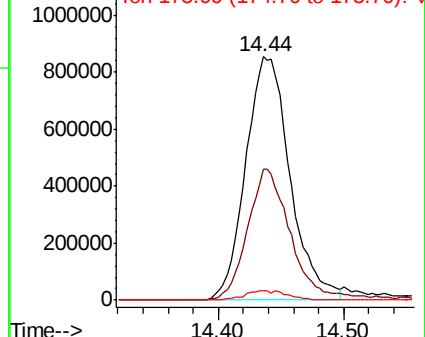
175 3.9 4.0 6.0#

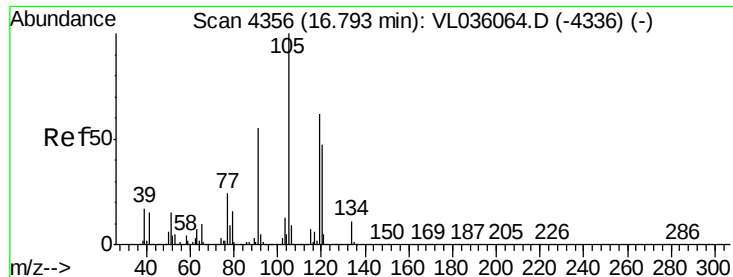


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

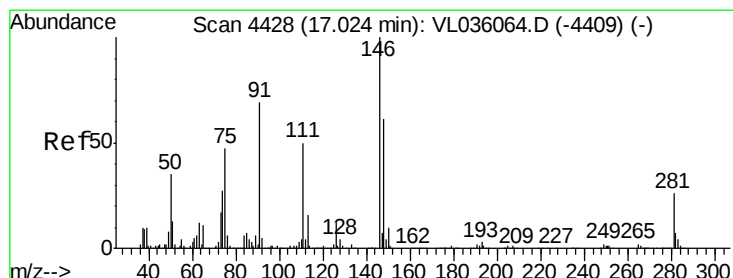
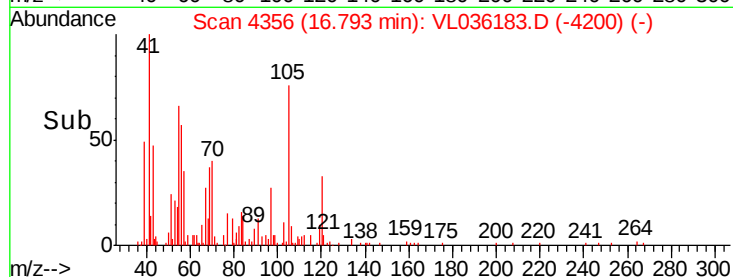
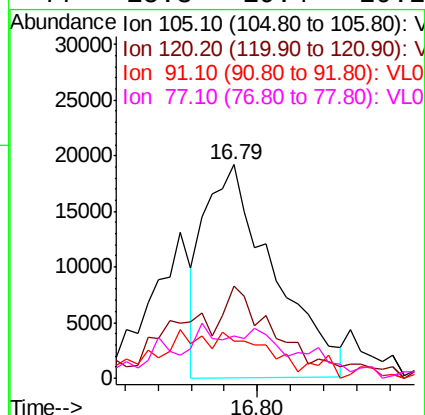
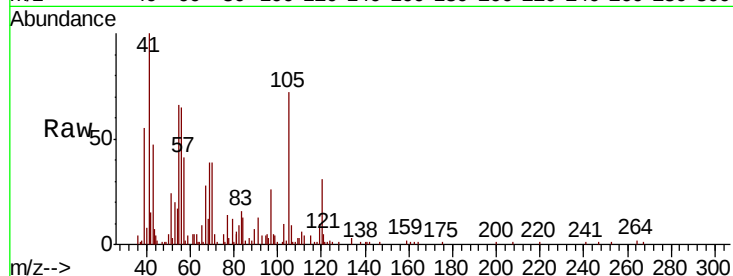




#74
 1,2,4-Trimethylbenzene
 Concen: 0.102 ppbv
 RT: 16.79 min Scan# 4356
 Delta R.T. 0.00 min
 Lab File: VL036183.D
 Acq: 17 Dec 2020 1:46

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion:	105	Resp:	27591
Ion	Ratio	Lower	Upper
105	100		
120	44.1	37.4	56.0
91	20.3	45.6	68.4#
77	15.3	19.4	29.2#



#75
 1,3-Dichlorobenzene
 Concen: 0.191 ppbv
 RT: 17.02 min Scan# 4427
 Delta R.T. -0.00 min
 Lab File: VL036183.D
 Acq: 17 Dec 2020 1:46

Tgt Ion:	146	Resp:	25752
Ion	Ratio	Lower	Upper
146	100		
111	528.5	25.1	75.3#
148	465.6	32.9	98.6#

