

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121620\
 Data File : VL036176.D
 Acq On : 16 Dec 2020 21:12
 Operator : SY/AP
 Sample : L5061-01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 17 03:41:22 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

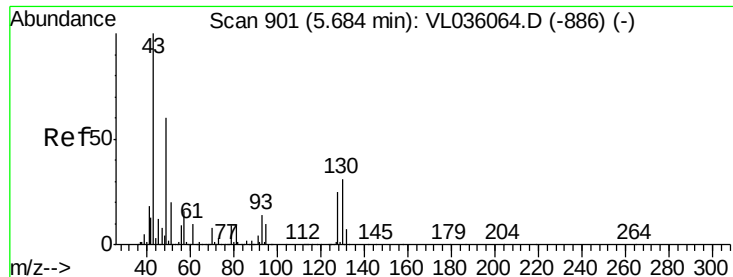
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1275918	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.18	114	2545565	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	2251717	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2021732	11.31	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	113.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	272021	1.829	ppbv	98
3) Chlorodifluoromethane	2.98	51	1141875	7.844	ppbv	98
4) Chloromethane	3.13	50	34244	0.479	ppbv #	83
9) Propene	3.20	41	88571	1.215	ppbv	98
10) Heptane	8.12	43	8773	0.047	ppbv #	68
11) Trichlorofluoromethane	3.95	101	3519448	20.132	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.48	101	87130	0.734	ppbv	93
13) Ethanol	3.60	45	56611	5.631	ppbv #	19
15) Acetone	3.86	43	150098	0.979	ppbv #	81
16) 1,3-Butadiene	3.30	39	9681	0.125	ppbv #	75
17) tert-Butyl alcohol	4.29	59	11894	0.080	ppbv #	71
18) 1,1-Dichloroethene	4.29	96	228410	4.333	ppbv	90
20) Methylene Chloride	4.34	84	257860	4.104	ppbv	98
22) trans-1,2-Dichloroethene	4.89	96	27862	0.528	ppbv	88
23) Vinyl Acetate	5.05	43	141892	0.695	ppbv #	58
24) 1,1-Dichloroethane	5.01	63	260498	1.814	ppbv	99
25) Ethyl Acetate	5.69	43	287449	0.938	ppbv #	86
26) Hexane	5.68	57	362425	2.629	ppbv #	39
28) Methyl tert-Butyl Ether	5.04	73	362736	1.851	ppbv	99
29) Chloroform	5.75	83	189674	1.048	ppbv	97
31) cis-1,2-Dichloroethene	5.55	61	2618354	20.891	ppbv	93
32) 1,1,1-Trichloroethane	6.51	97	95090	0.509	ppbv #	89
34) 2-Butanone	5.26	43	21634	0.128	ppbv #	81
35) Carbon Tetrachloride	7.01	117	34859	0.235	ppbv	84
36) Benzene	6.89	78	76874	0.356	ppbv #	88
37) 1,2-Dichloroethane	6.31	62	14460	0.116	ppbv #	83
38) Trichloroethene	7.84	130	8942126	110.885	ppbv	95
39) 1,2-Dichloropropane	7.83	63	27233	0.320	ppbv #	1
42) Bromodichloromethane	7.84	83	87677	0.526	ppbv	99
44) 2,2,4-Trimethylpentane	7.87	57	51535	0.132	ppbv #	50
52) Tetrachloroethene	11.24	164	7699571	98.593	ppbv	91
53) Toluene	9.81	91	72694	0.300	ppbv	97
58) Ethyl Benzene	12.97	91	18822	0.061	ppbv	94
62) Isopropylbenzene	14.67	105	42590	0.117	ppbv	93
76) 1,4-Dichlorobenzene	17.14	146	4051	0.031	ppbv #	1
77) 1,2-Dichlorobenzene	17.83	146	4625	0.038	ppbv #	45

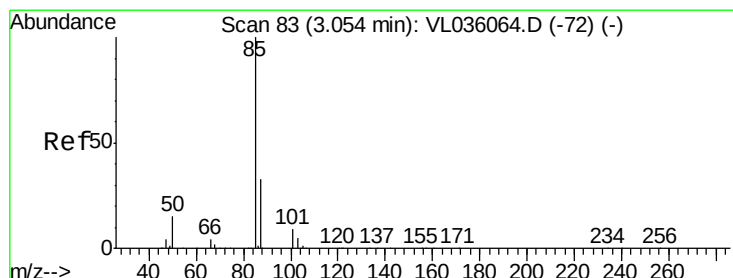
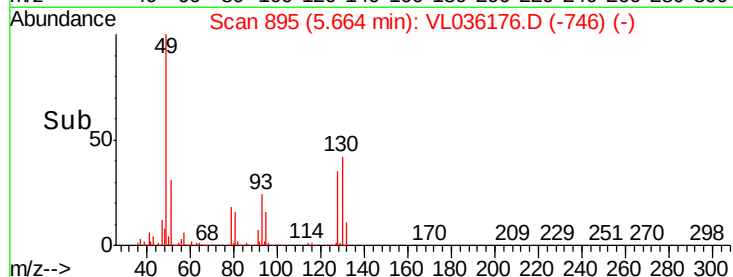
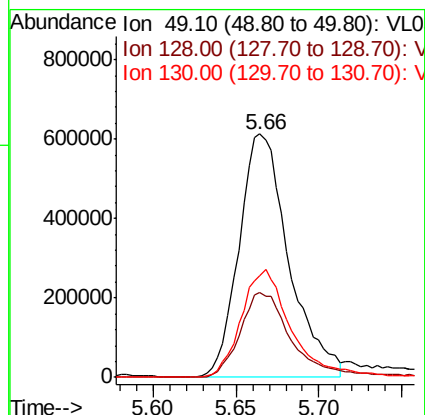
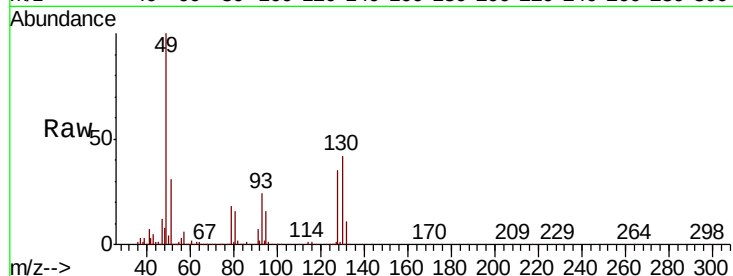
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66 min Scan# 895
 Delta R.T. -0.02 min
 Lab File: VL036176.D
 Acq: 16 Dec 2020 21:12

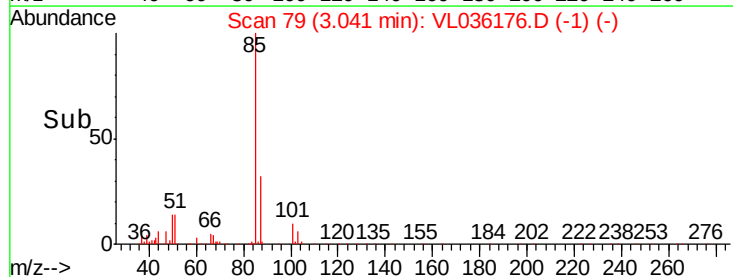
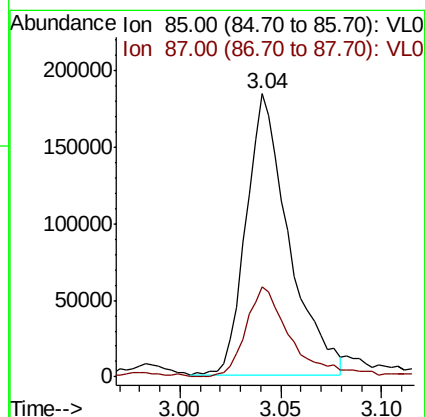
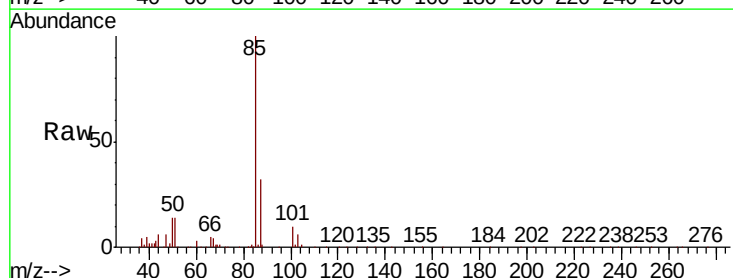
Instrument :
 MSVOA_L
 ClientSampled :

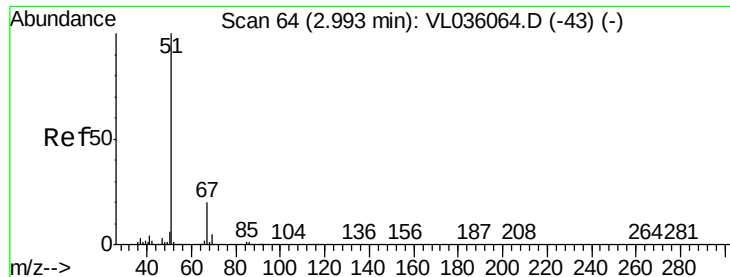
Tot Ion: 49 Resp: 1275918
 Ion Ratio Lower Upper
 49 100
 128 37.2 21.1 63.1
 130 46.1 27.1 81.3



#2
 Dichlorodifluoromethane
 Concen: 1.829 ppbv
 RT: 3.04 min Scan# 79
 Delta R.T. -0.01 min
 Lab File: VL036176.D
 Acq: 16 Dec 2020 21:12

Tgt Ion: 85 Resp: 272021
 Ion Ratio Lower Upper
 85 100
 87 31.7 26.5 39.7





#3

Chlorodifluoromethane

Concen: 7.844 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.01 min

Lab File: VL036176.D

Acq: 16 Dec 2020 21:12

Instrument :

MSVOA_L

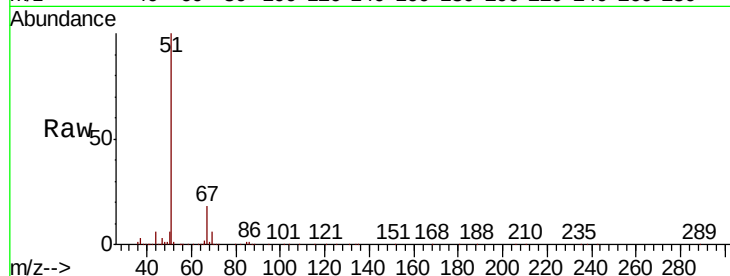
ClientSampleId :

Tot Ion: 51 Resp: 1141875

Ion Ratio Lower Upper

51 100

67 19.0 14.3 21.5



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.98

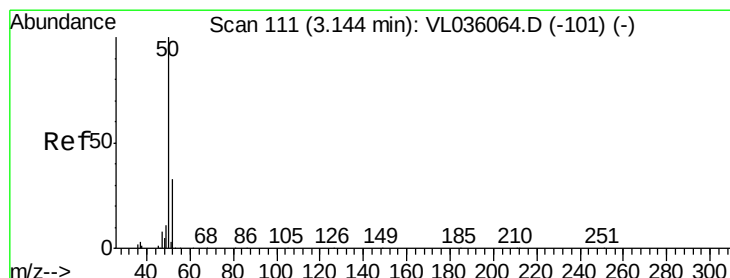
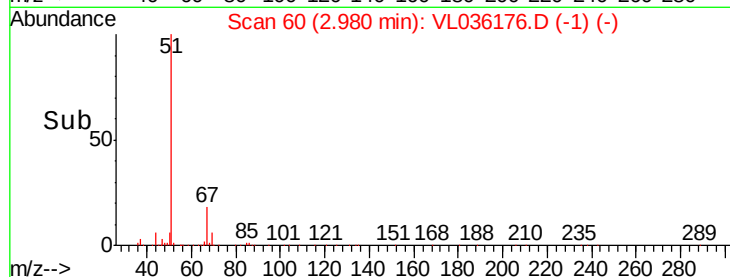
600000

400000

200000

0

Time-->



#4

Chloromethane

Concen: 0.479 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.01 min

Lab File: VL036176.D

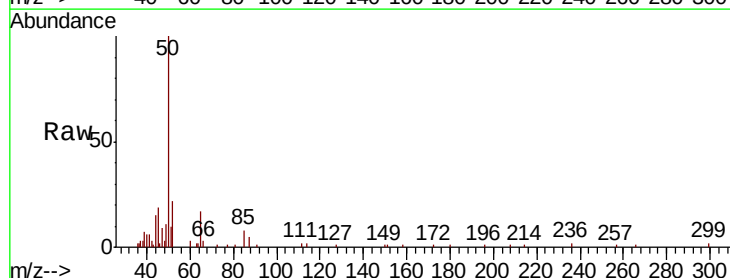
Acq: 16 Dec 2020 21:12

Tgt Ion: 50 Resp: 34244

Ion Ratio Lower Upper

50 100

52 22.8 26.1 39.1#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.13

25000

20000

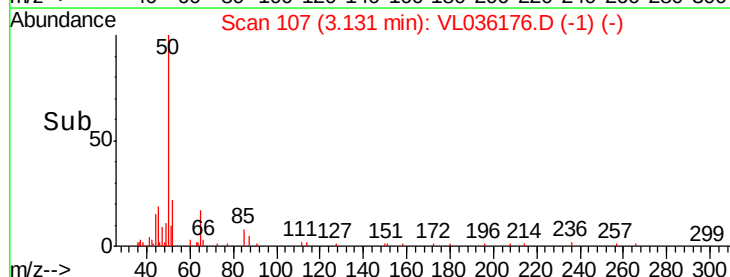
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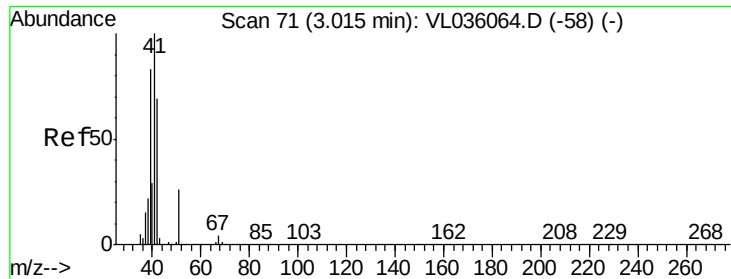
10000

5000

0

Time-->





#9

Propene

Concen: 1.215 ppbv

RT: 3.20 min Scan# 128

Delta R.T. 0.18 min

Lab File: VL036176.D

Acq: 16 Dec 2020 21:12

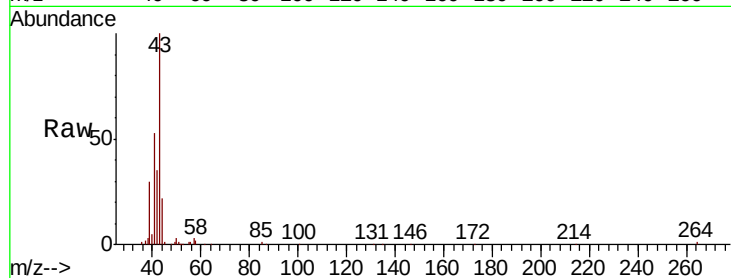
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 41 Resp: 88571

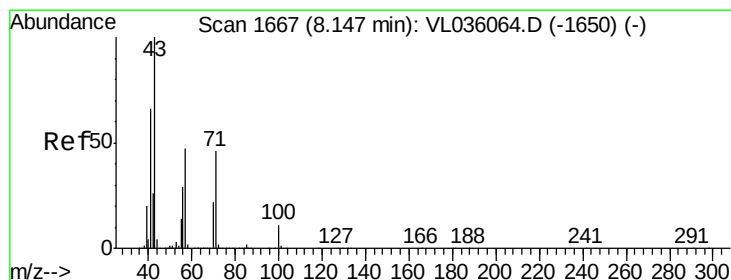
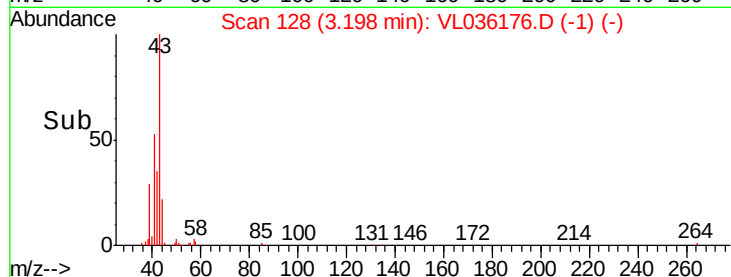
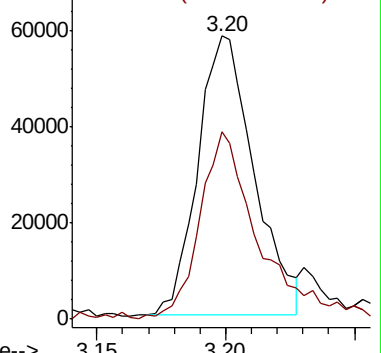
Ion Ratio Lower Upper

41 100

42 72.8 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: 0.047 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. -0.03 min

Lab File: VL036176.D

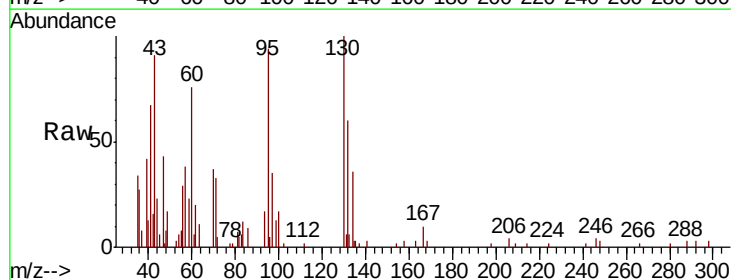
Acq: 16 Dec 2020 21:12

Tgt Ion: 43 Resp: 8773

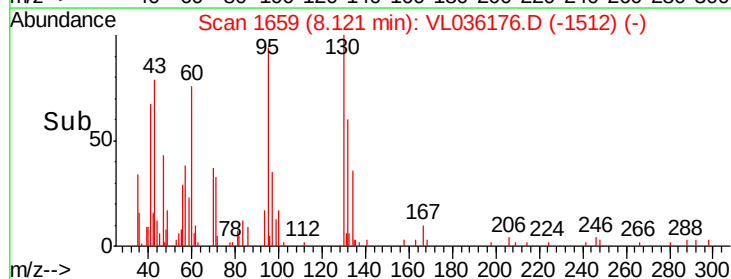
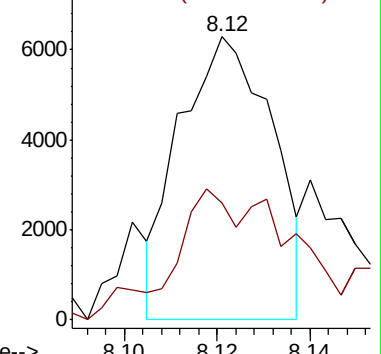
Ion Ratio Lower Upper

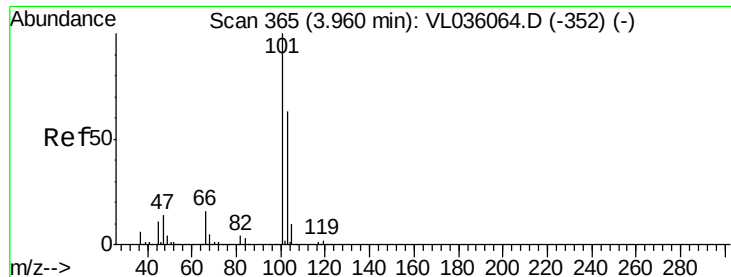
43 100

57 68.9 37.9 56.9#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

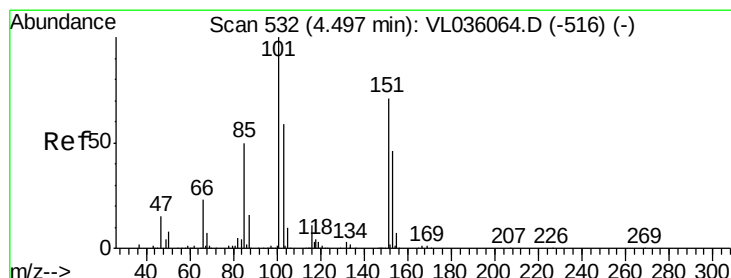
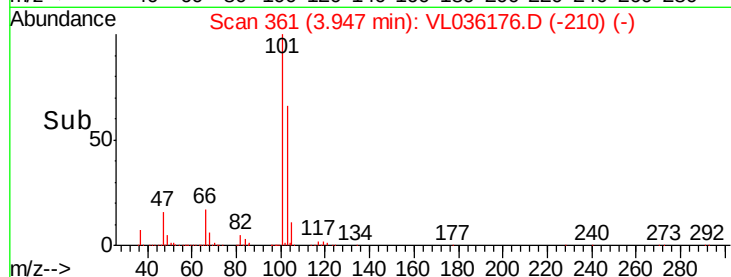
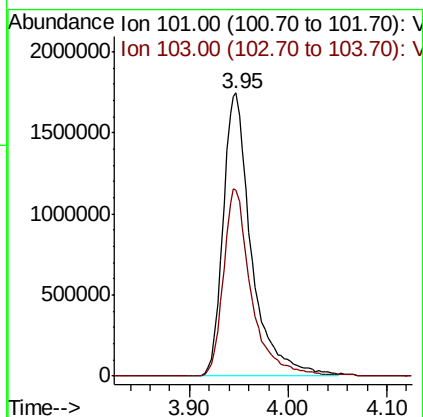
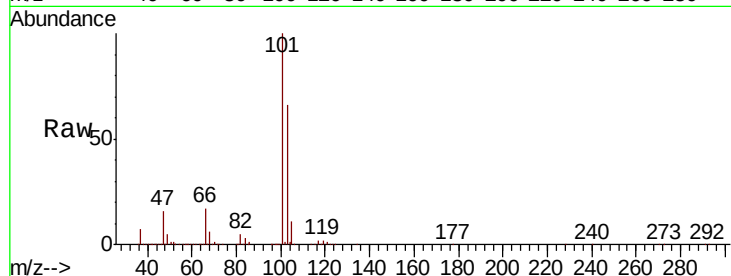




#11
 Trichlorofluoromethane
 Concen: 20.132 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. -0.01 min
 Lab File: VL036176.D
 Acq: 16 Dec 2020 21:12

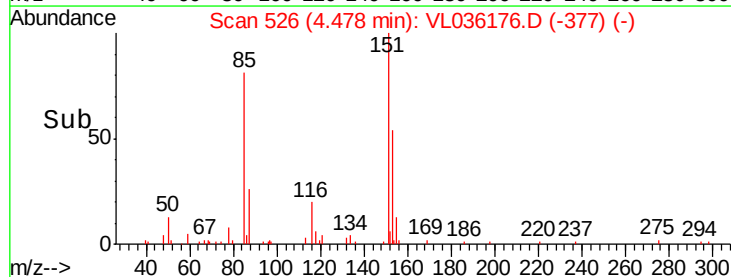
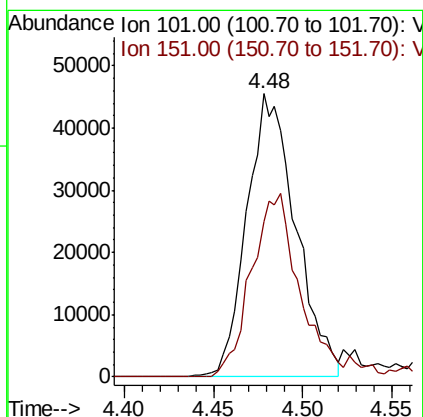
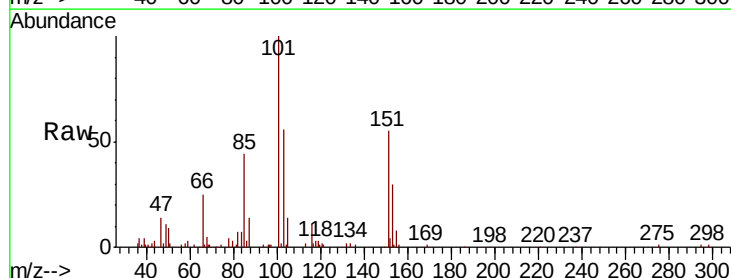
Instrument :
 MSVOA_L
 ClientSampleId :

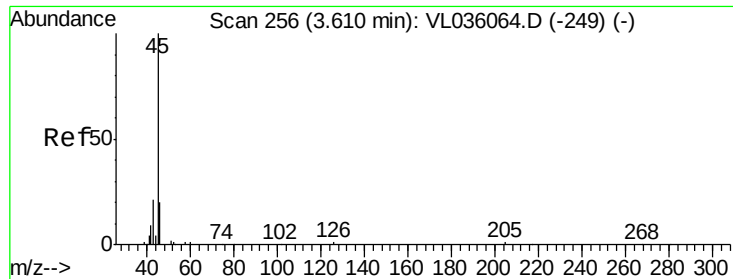
Tot Ion:101 Resp: 3519448
 Ion Ratio Lower Upper
 101 100
 103 65.9 50.3 75.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.734 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. -0.02 min
 Lab File: VL036176.D
 Acq: 16 Dec 2020 21:12

Tgt Ion:101 Resp: 87130
 Ion Ratio Lower Upper
 101 100
 151 68.0 59.3 88.9

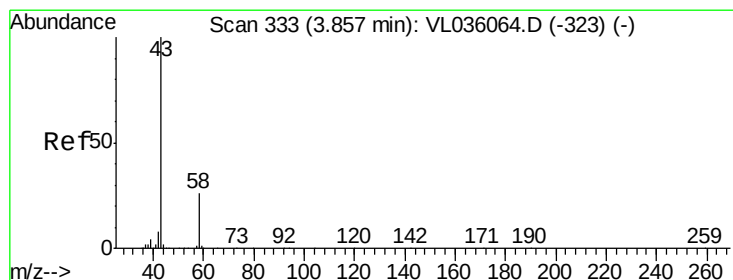
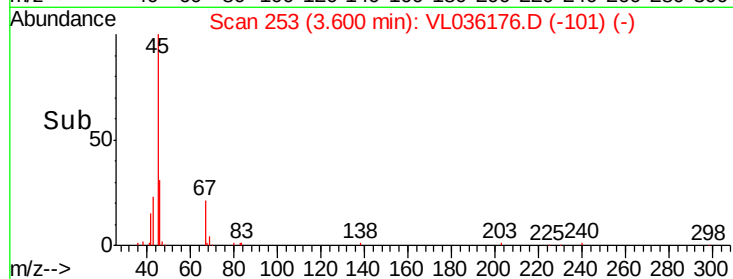
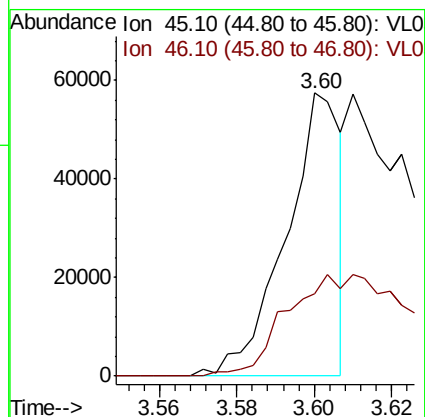
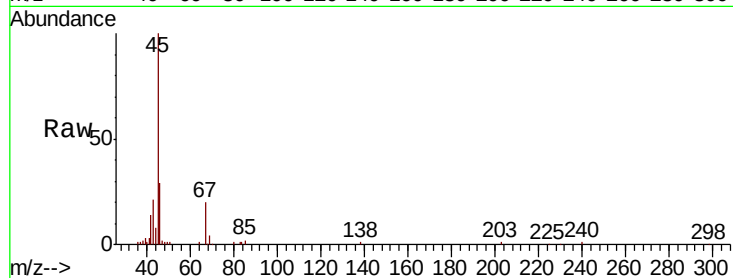




#13
Ethanol
Concen: 5.631 ppbv
RT: 3.60 min Scan# 253
Delta R.T. -0.01 min
Lab File: VL036176.D
Acq: 16 Dec 2020 21:12

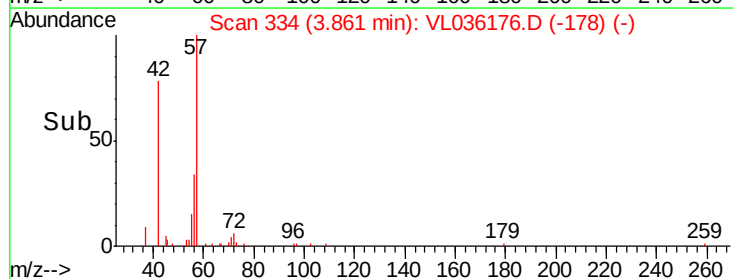
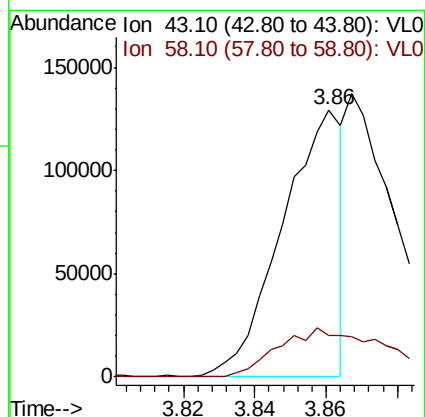
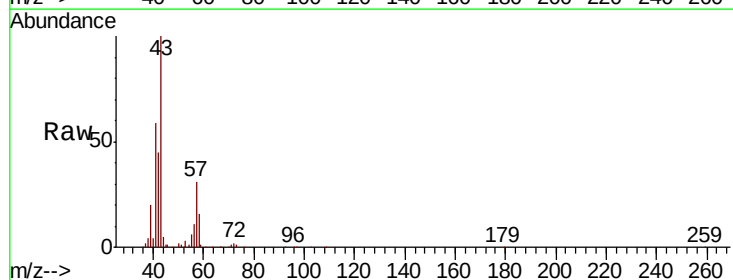
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ClientSampleId :

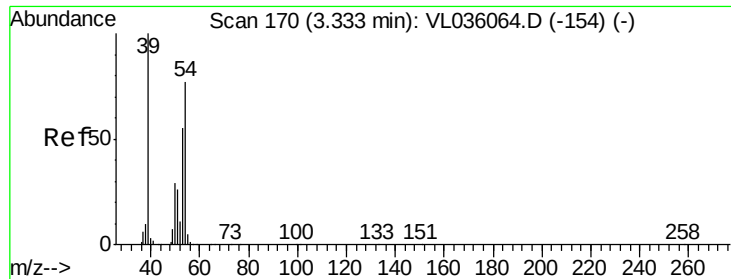
Tot Ion: 45 Resp: 56611
Ion Ratio Lower Upper
45 100
46 101.8 19.0 75.8#



#15
Acetone
Concen: 0.979 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.00 min
Lab File: VL036176.D
Acq: 16 Dec 2020 21:12

Tgt Ion: 43 Resp: 150098
Ion Ratio Lower Upper
43 100
58 35.6 20.9 31.3#

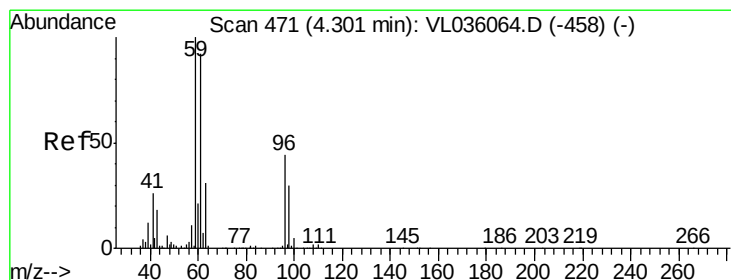
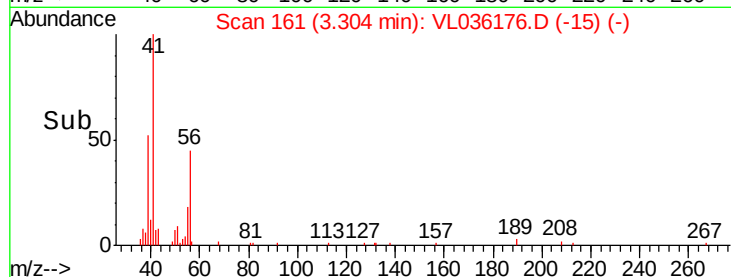
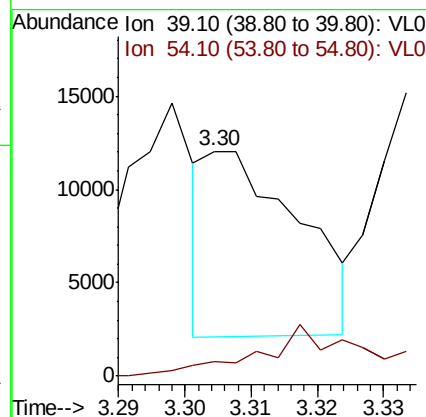
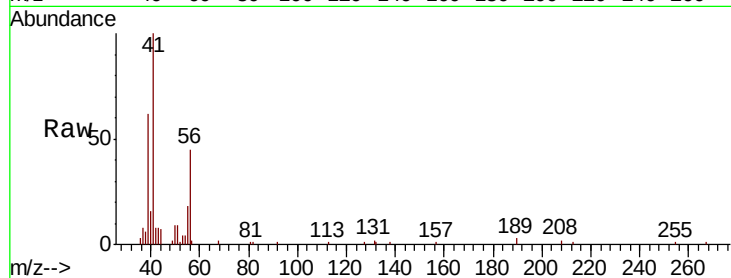




#16
 1,3-Butadiene
 Concen: 0.125 ppbv
 RT: 3.30 min Scan# 161
 Delta R.T. -0.03 min
 Lab File: VL036176.D
 Acq: 16 Dec 2020 21:12

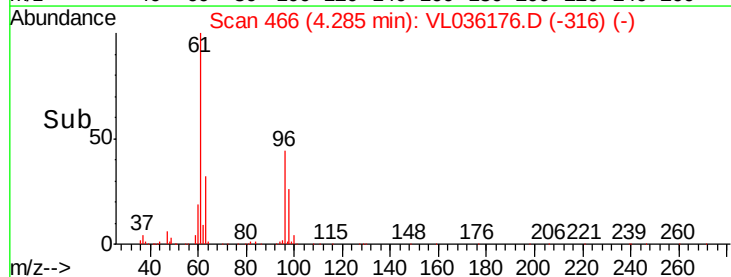
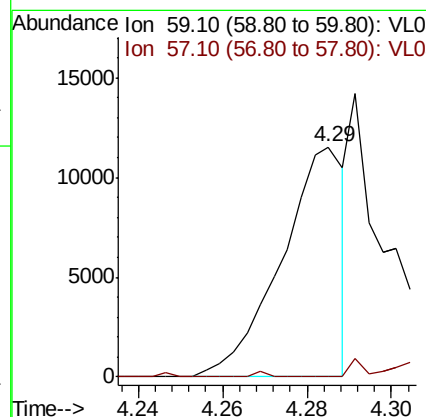
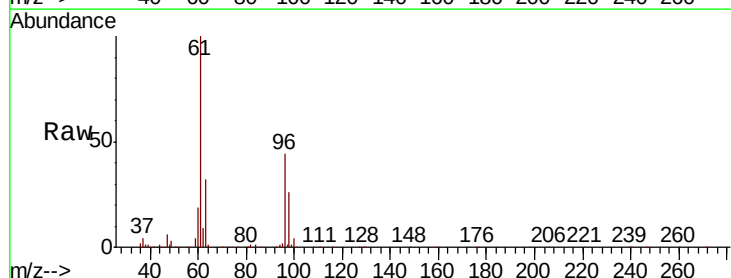
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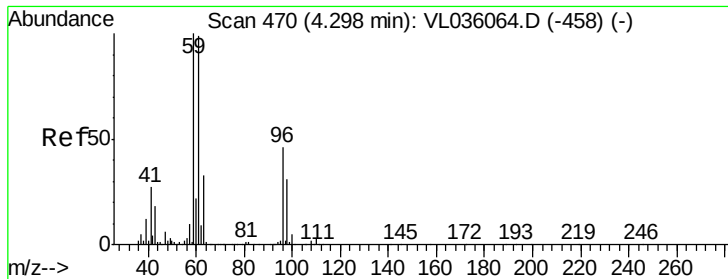
Tot Ion: 39 Resp: 9681
 Ion Ratio Lower Upper
 39 100
 54 56.1 62.1 93.1#



#17
 tert-Butyl alcohol
 Concen: 0.080 ppbv
 RT: 4.29 min Scan# 466
 Delta R.T. -0.02 min
 Lab File: VL036176.D
 Acq: 16 Dec 2020 21:12

Tgt Ion: 59 Resp: 11894
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.7 13.1#

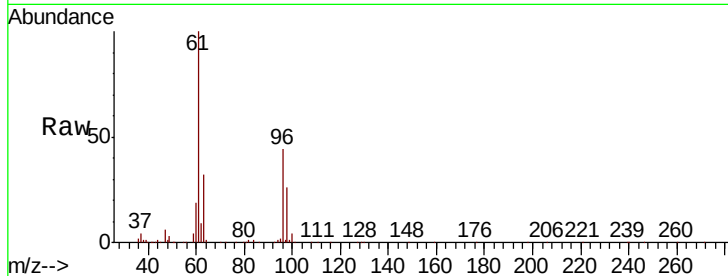




#18
 1,1-Dichloroethene
 Concen: 4.333 ppbv
 RT: 4.29 min Scan# 466
 Delta R.T. -0.01 min
 Lab File: VL036176.D
 Acq: 16 Dec 2020 21:12

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion	96	Resp	228410
Ion Ratio	Lower	Upper	
96	100		
61	228.3	171.4	257.2
98	58.1	54.2	81.2

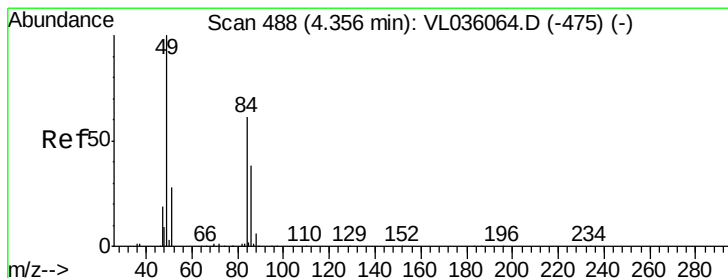
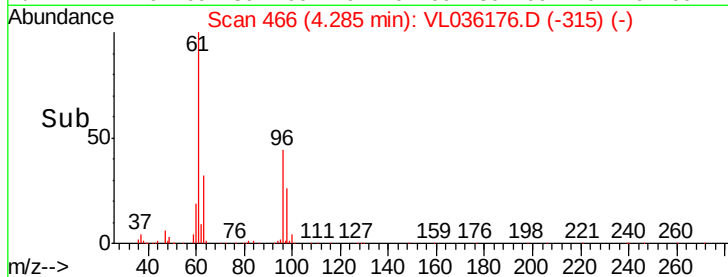
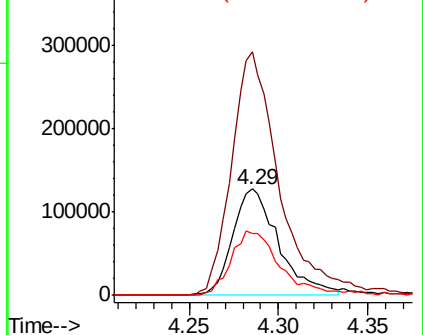


Abundance

Ion 96.00 (95.70 to 96.70): VL0

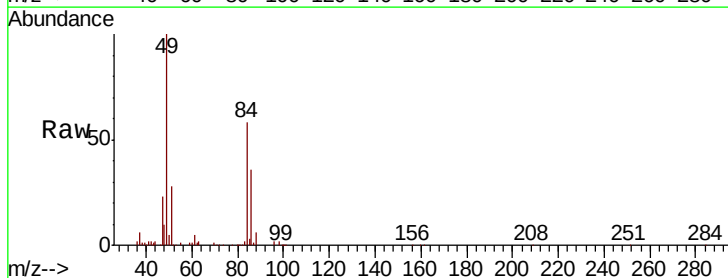
Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#20
 Methylene Chloride
 Concen: 4.104 ppbv
 RT: 4.34 min Scan# 484
 Delta R.T. -0.01 min
 Lab File: VL036176.D
 Acq: 16 Dec 2020 21:12

Tgt Ion	84	Resp	257860
Ion Ratio	Lower	Upper	
84	100		
49	169.5	133.0	199.4
51	48.3	38.9	58.3
86	61.9	48.8	73.2



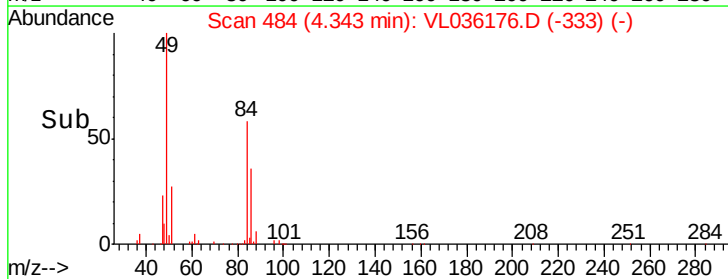
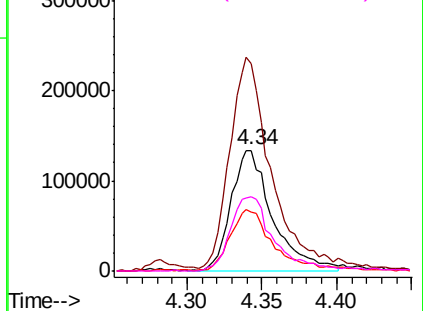
Abundance

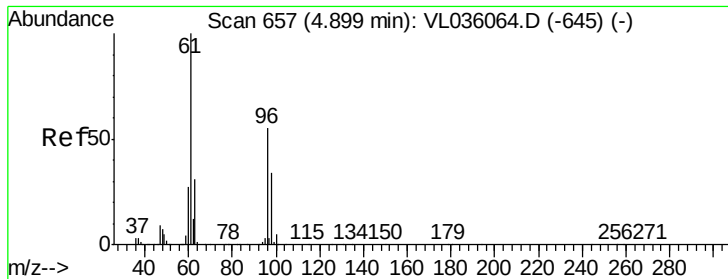
Ion 84.00 (83.70 to 84.70): VL0

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





#22

trans-1,2-Dichloroethene

Concen: 0.528 ppbv

RT: 4.89 min Scan# 653

Delta R.T. -0.01 min

Lab File: VL036176.D

Acq: 16 Dec 2020 21:12

Instrument :

MSVOA_L

ClientSampleId :

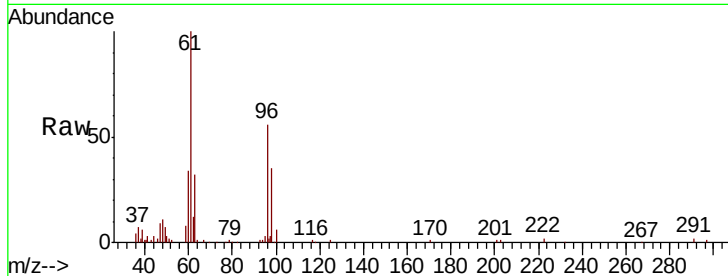
Tot Ion: 96 Resp: 27862

Ion Ratio Lower Upper

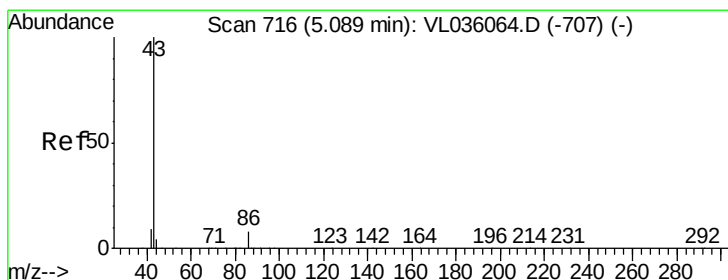
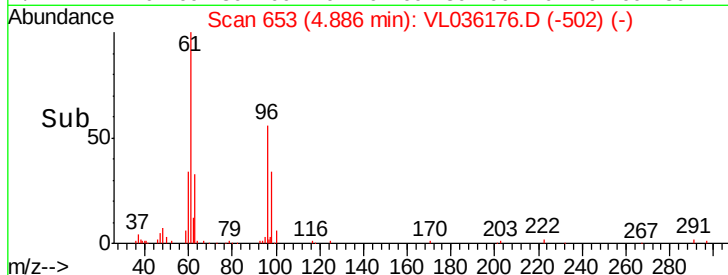
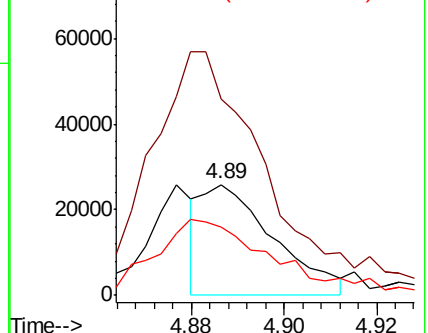
96 100

61 164.0 145.7 218.5

98 54.3 49.2 73.8



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



#23

Vinyl Acetate

Concen: 0.695 ppbv

RT: 5.05 min Scan# 703

Delta R.T. -0.04 min

Lab File: VL036176.D

Acq: 16 Dec 2020 21:12

Tgt Ion: 43 Resp: 141892

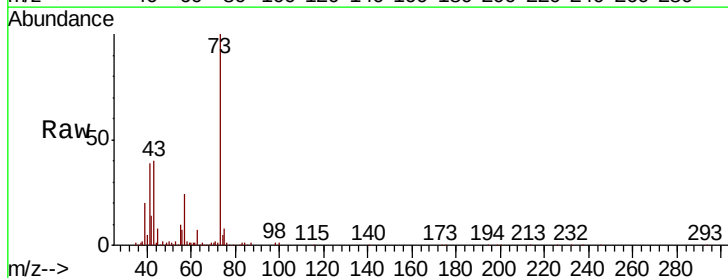
Ion Ratio Lower Upper

43 100

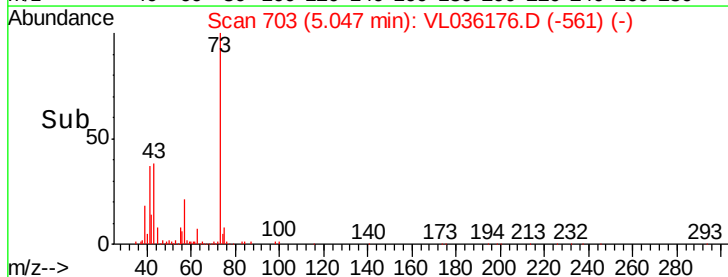
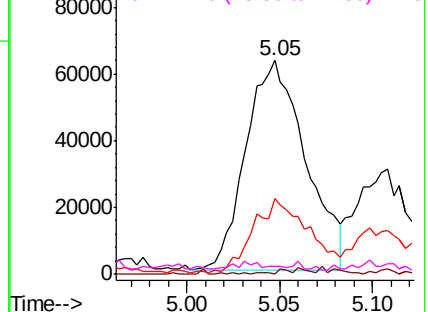
86 0.0 5.0 7.4#

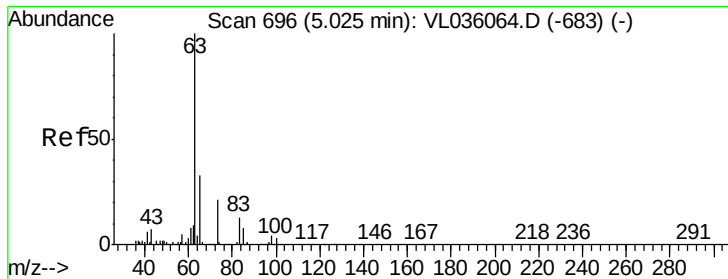
42 35.8 7.8 11.6#

44 1.3 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: 1.814 ppbv

RT: 5.01 min Scan# 691

Delta R.T. -0.02 min

Lab File: VL036176.D

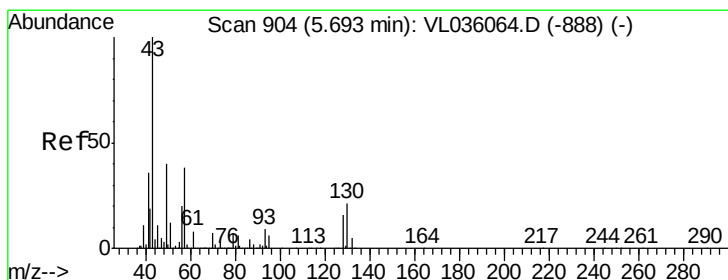
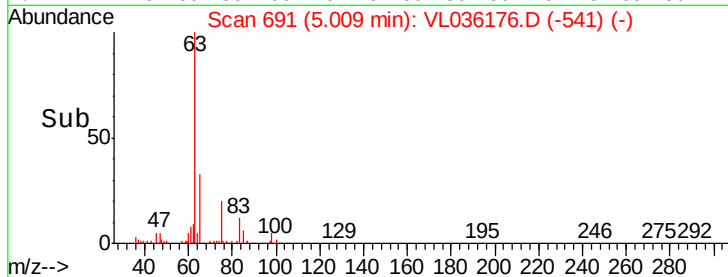
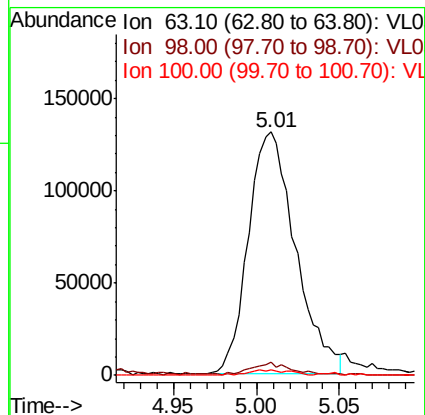
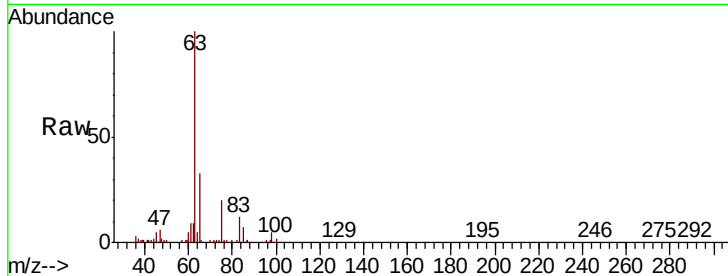
Acq: 16 Dec 2020 21:12

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	63	Resp:	260498
Ion	Ratio	Lower	Upper
63	100		
98	5.0	2.2	6.6
100	2.5	1.5	4.4



#25

Ethyl Acetate

Concen: 0.938 ppbv

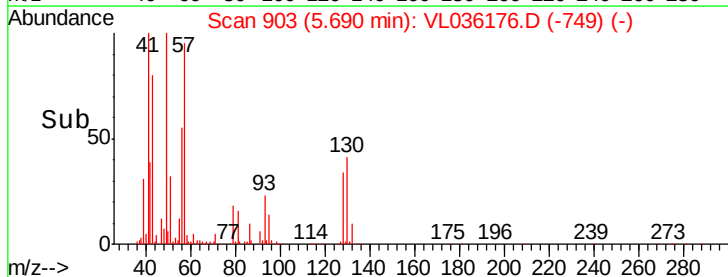
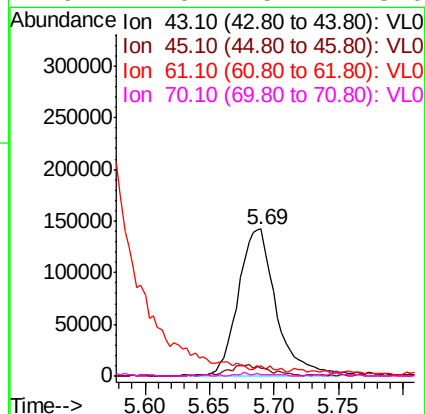
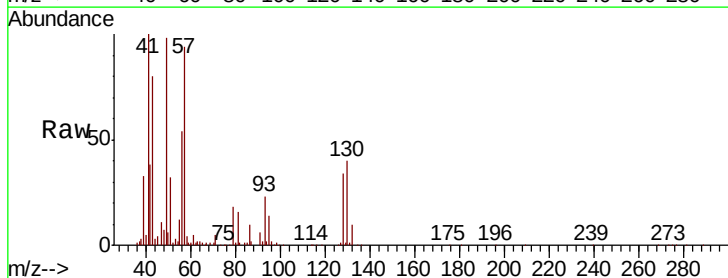
RT: 5.69 min Scan# 903

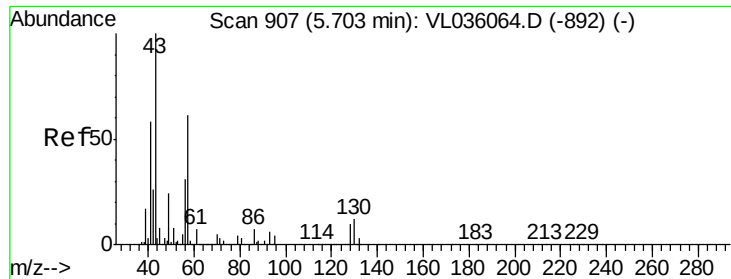
Delta R.T. -0.00 min

Lab File: VL036176.D

Acq: 16 Dec 2020 21:12

Tgt Ion:	43	Resp:	287449
Ion	Ratio	Lower	Upper
43	100		
45	8.6	8.2	12.4
61	0.0	7.4	11.2#
70	2.0	5.4	8.0#

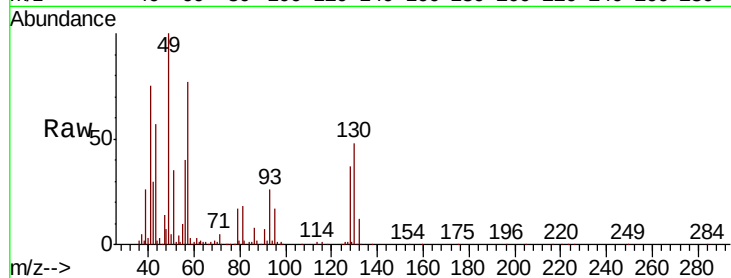




#26
Hexane
Concen: 2.629 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.02 min
Lab File: VL036176.D
Acq: 16 Dec 2020 21:12

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion	57	Resp	362425
Ion	Ratio	Lower	Upper
57	100		
41	106.5	82.9	124.3
43	81.5	199.9	299.9#
56	57.9	43.1	64.7



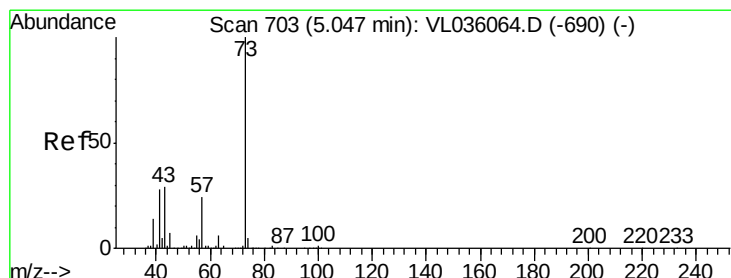
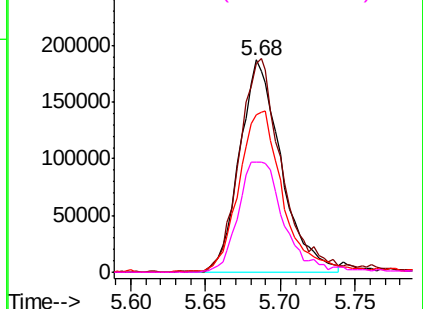
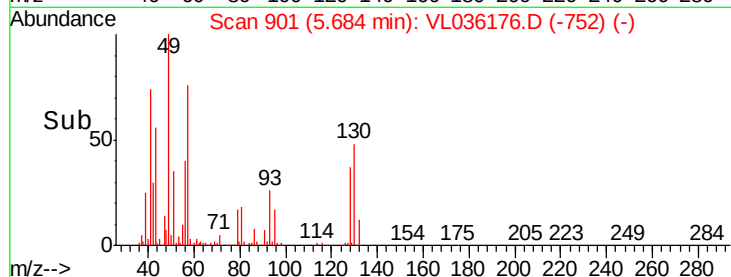
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

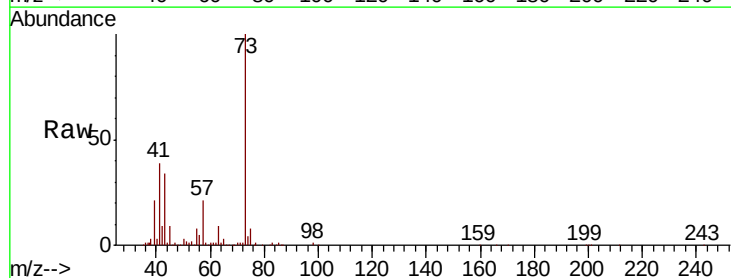
Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#28
Methyl tert-Butyl Ether
Concen: 1.851 ppbv
RT: 5.04 min Scan# 702
Delta R.T. -0.00 min
Lab File: VL036176.D
Acq: 16 Dec 2020 21:12

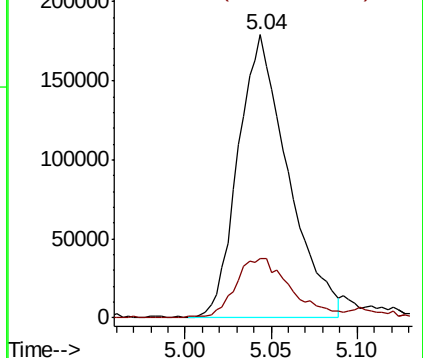
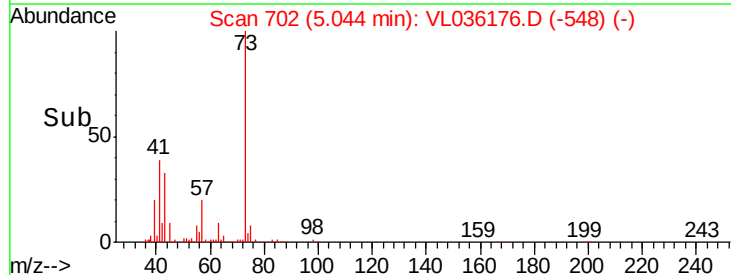
Tgt Ion	73	Resp	362736
Ion	Ratio	Lower	Upper
73	100		
57	23.4	19.2	28.8

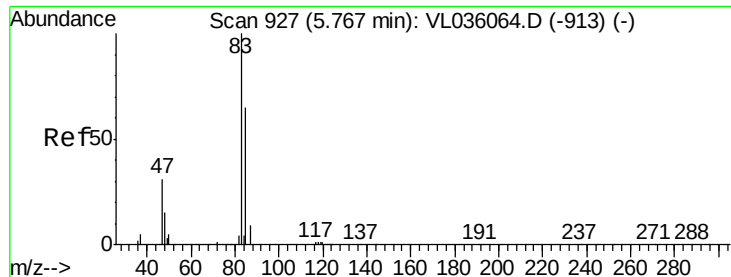


Abundance

Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 1.048 ppbv

RT: 5.75 min Scan# 923

Delta R.T. -0.01 min

Lab File: VL036176.D

Acq: 16 Dec 2020 21:12

Instrument :

MSVOA_L

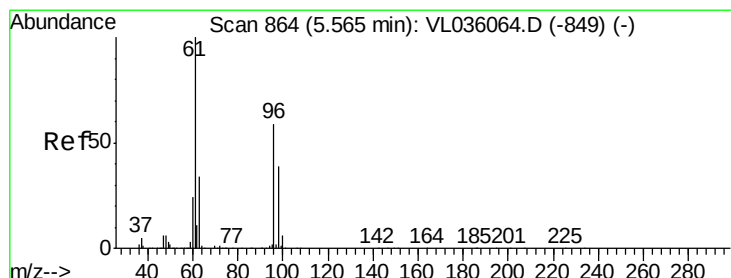
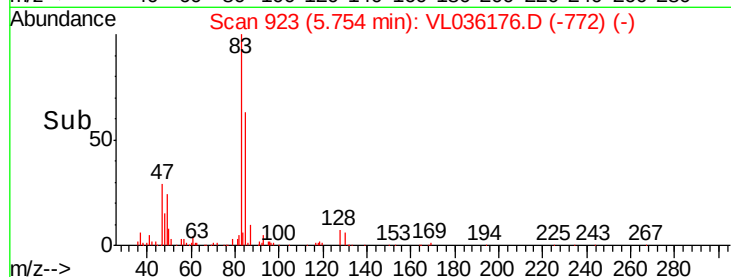
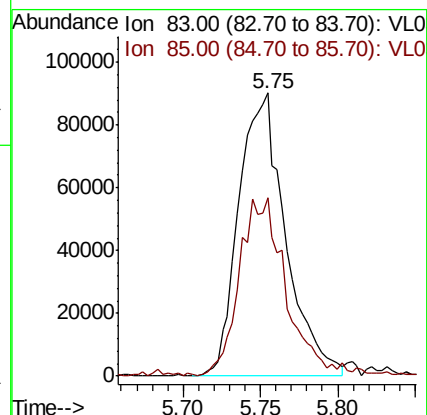
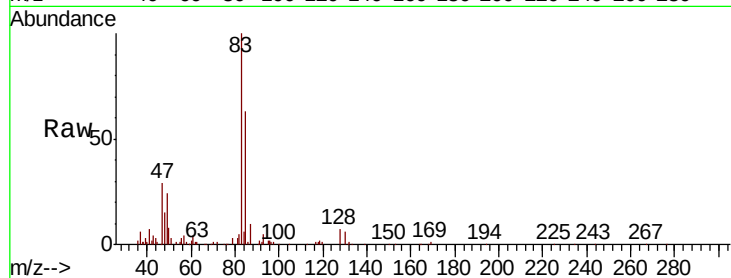
ClientSampleId :

Tot Ion: 83 Resp: 189674

Ion Ratio Lower Upper

83 100

85 62.6 51.8 77.6



#31

cis-1,2-Dichloroethene

Concen: 20.891 ppbv

RT: 5.55 min Scan# 858

Delta R.T. -0.02 min

Lab File: VL036176.D

Acq: 16 Dec 2020 21:12

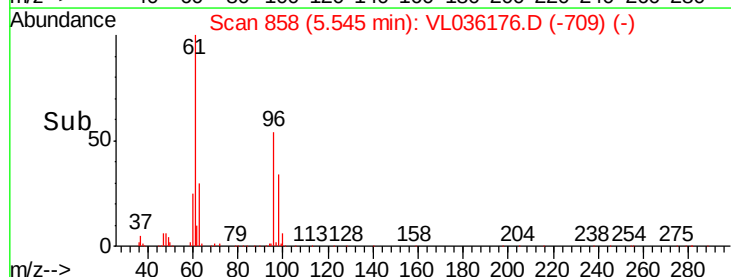
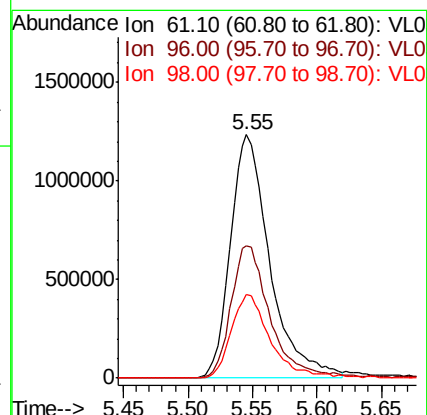
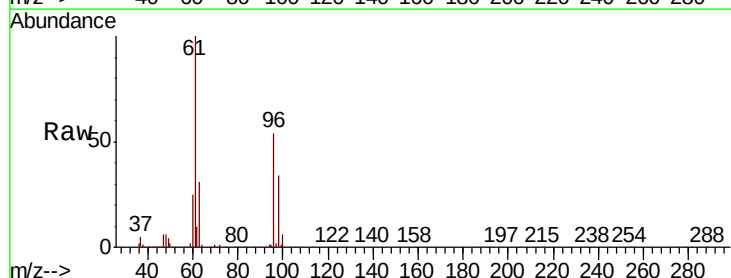
Tgt Ion: 61 Resp: 2618354

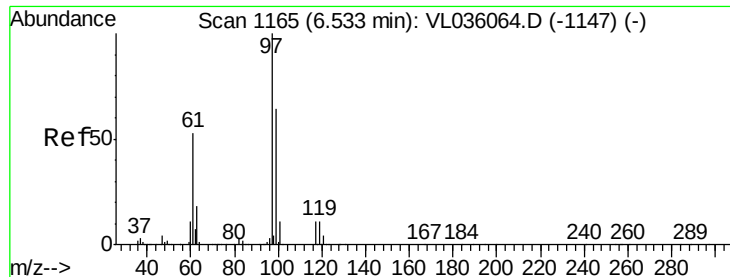
Ion Ratio Lower Upper

61 100

96 54.3 47.3 70.9

98 34.3 31.4 47.0





#32

1,1,1-Trichloroethane

Concen: 0.509 ppbv

RT: 6.51 min Scan# 1159

Delta R.T. -0.02 min

Lab File: VL036176.D

Acq: 16 Dec 2020 21:12

Instrument :

MSVOA_L

ClientSampleId :

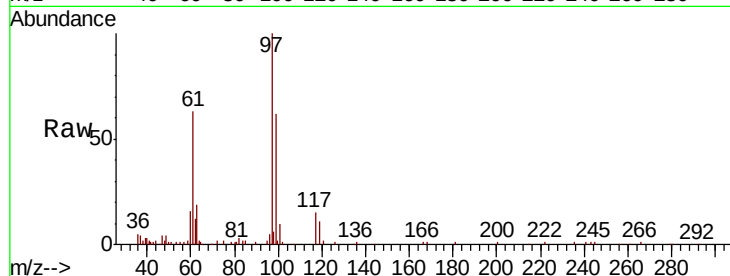
Tot Ion: 97 Resp: 95090

Ion Ratio Lower Upper

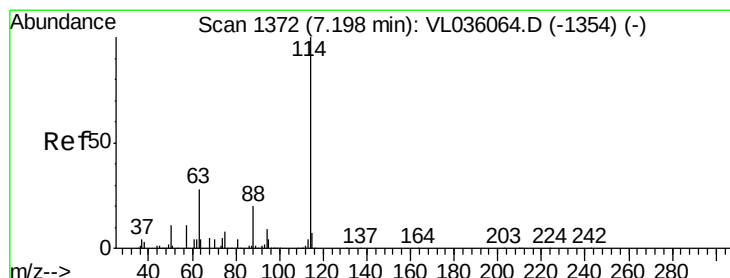
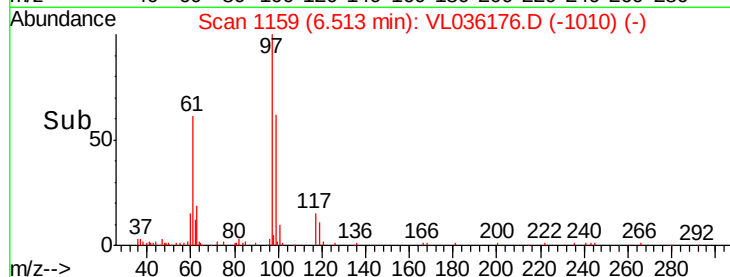
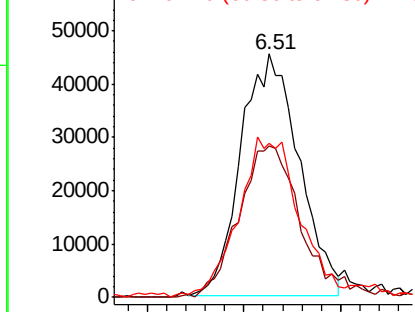
97 100

99 68.9 52.4 78.6

61 67.5 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



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. -0.02 min

Lab File: VL036176.D

Acq: 16 Dec 2020 21:12

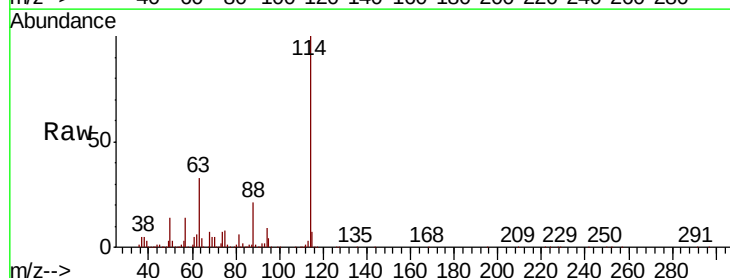
Tgt Ion: 114 Resp: 2545565

Ion Ratio Lower Upper

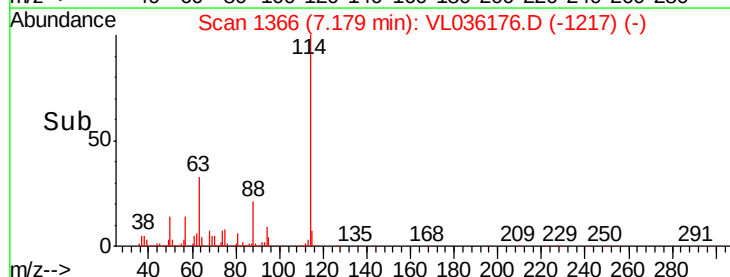
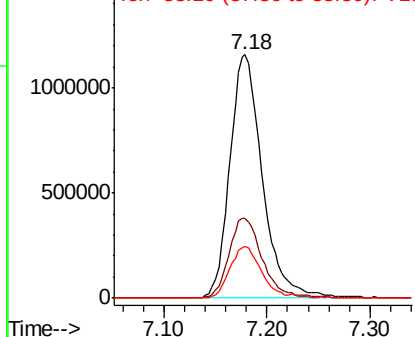
114 100

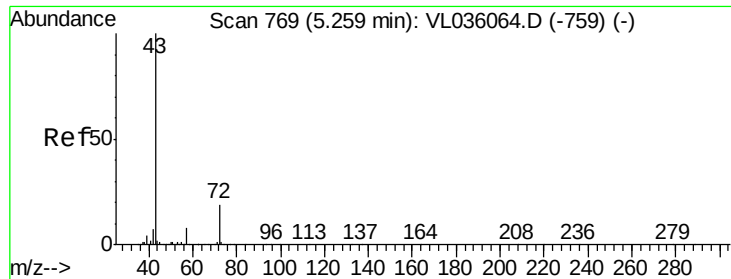
63 34.0 23.6 35.4

88 21.4 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

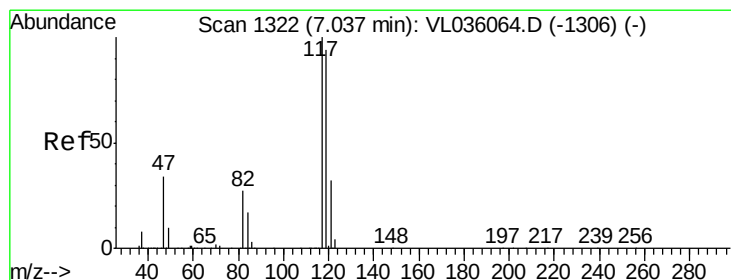
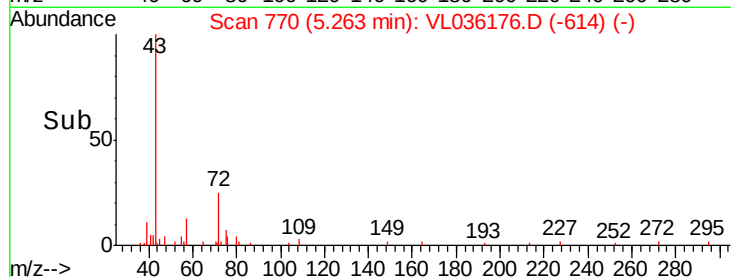
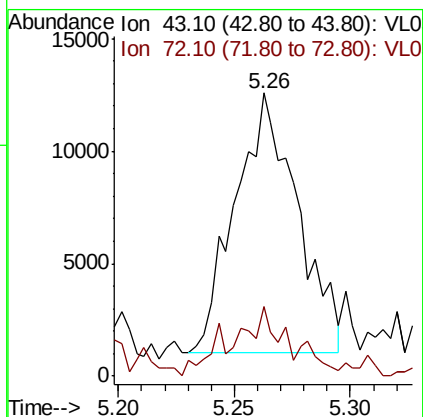
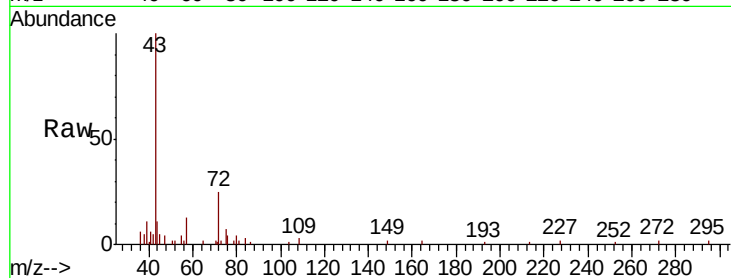




#34
2-Butanone
Concen: 0.128 ppbv
RT: 5.26 min Scan# 770
Delta R.T. 0.00 min
Lab File: VL036176.D
Acq: 16 Dec 2020 21:12

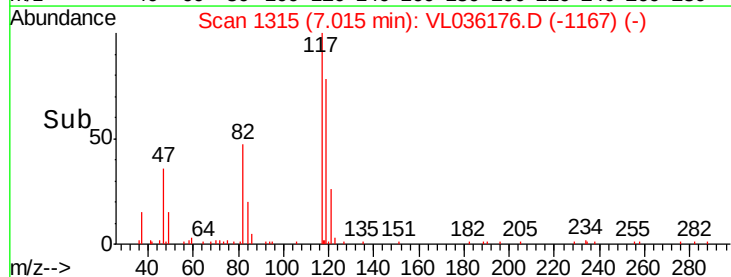
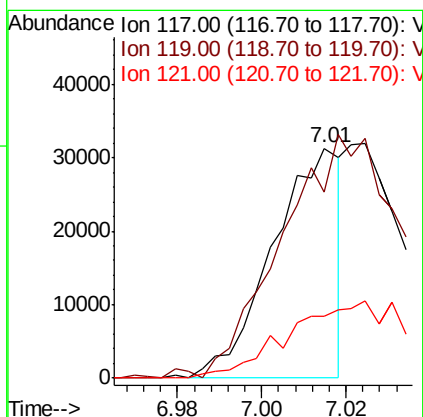
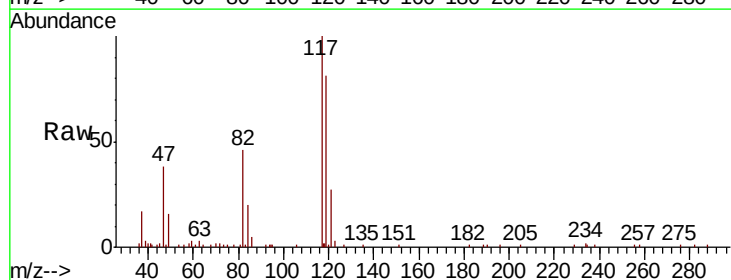
Instrument :
MSVOA_L
ClientSampleId :

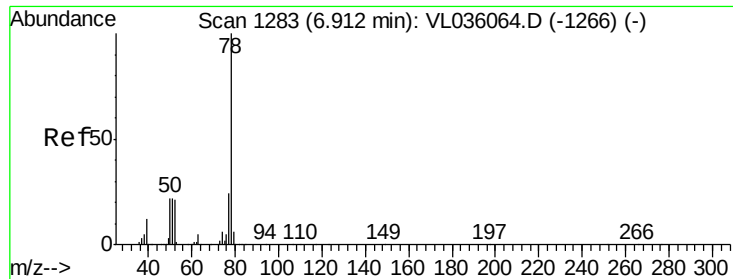
Tot Ion: 43 Resp: 21634
Ion Ratio Lower Upper
43 100
72 29.4 16.5 24.7#



#35
Carbon Tetrachloride
Concen: 0.235 ppbv
RT: 7.01 min Scan# 1315
Delta R.T. -0.02 min
Lab File: VL036176.D
Acq: 16 Dec 2020 21:12

Tgt Ion: 117 Resp: 34859
Ion Ratio Lower Upper
117 100
119 76.6 75.1 112.7
121 26.4 25.6 38.4

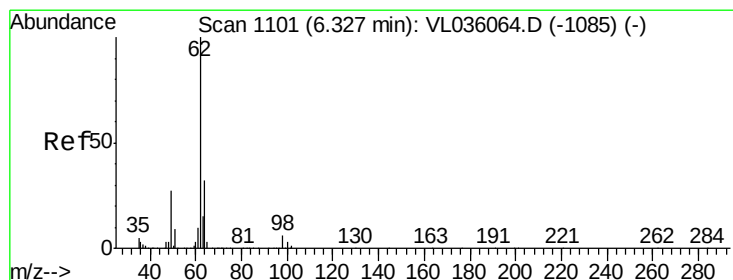
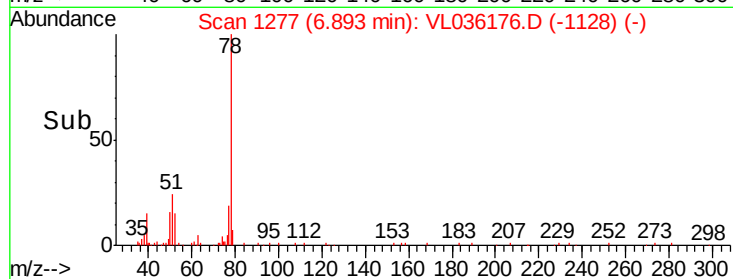
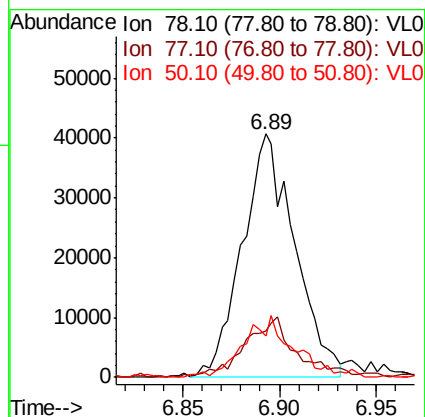
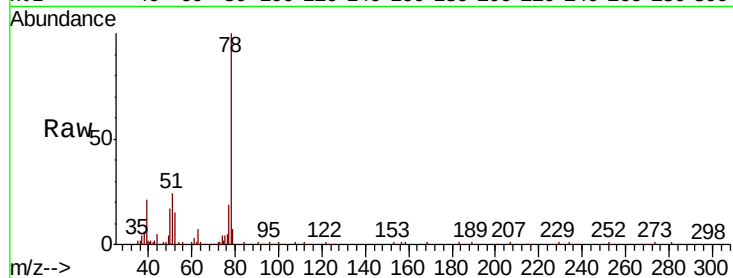




#36
Benzene
Concen: 0.356 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. -0.02 min
Lab File: VL036176.D
Acq: 16 Dec 2020 21:12

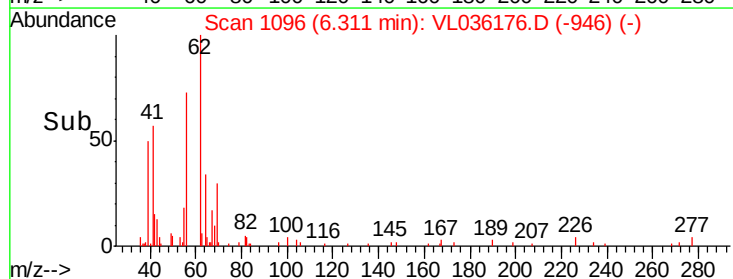
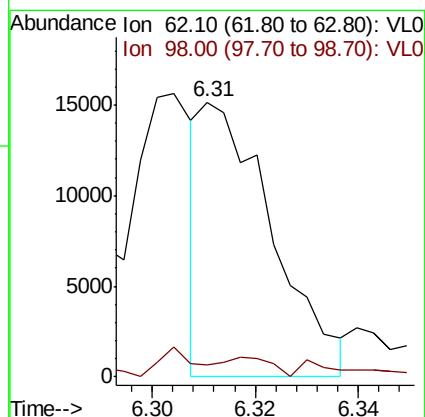
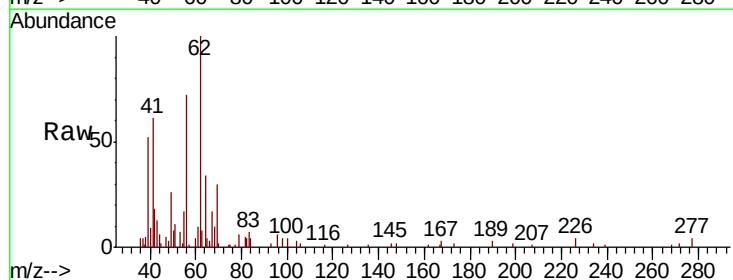
Instrument :
MSVOA_L
ClientSampled :

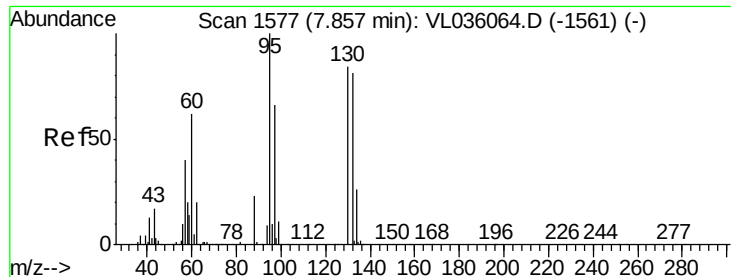
Tot Ion: 78 Resp: 76874
Ion Ratio Lower Upper
78 100
77 18.5 19.4 29.2#
50 16.0 17.8 26.8#



#37
1,2-Dichloroethane
Concen: 0.116 ppbv
RT: 6.31 min Scan# 1096
Delta R.T. -0.02 min
Lab File: VL036176.D
Acq: 16 Dec 2020 21:12

Tgt Ion: 62 Resp: 14460
Ion Ratio Lower Upper
62 100
98 0.0 4.6 7.0#





#38

Trichloroethene

Concen: 110.885 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. -0.02 min

Lab File: VL036176.D

Acq: 16 Dec 2020 21:12

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:130 Resp: 8942126

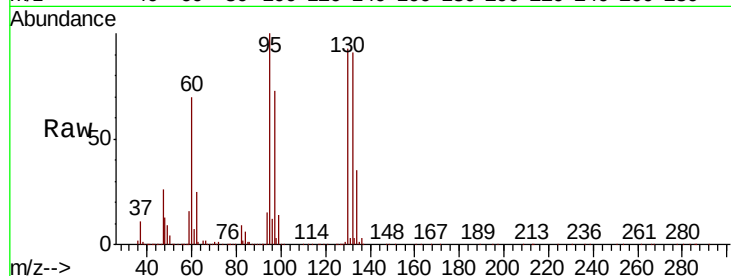
Ion Ratio Lower Upper

130 100

95 107.3 95.2 142.8

132 97.6 76.9 115.3

97 78.5 62.3 93.5

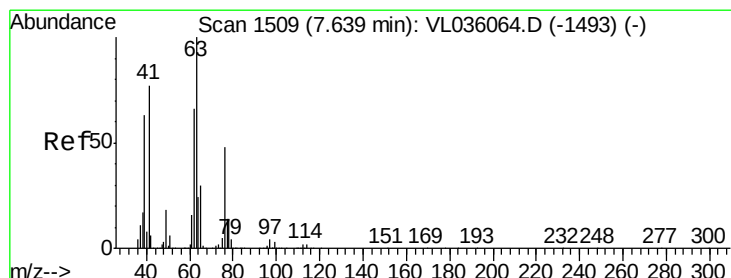
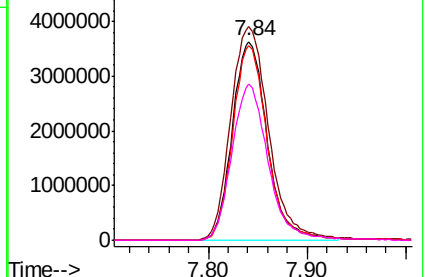
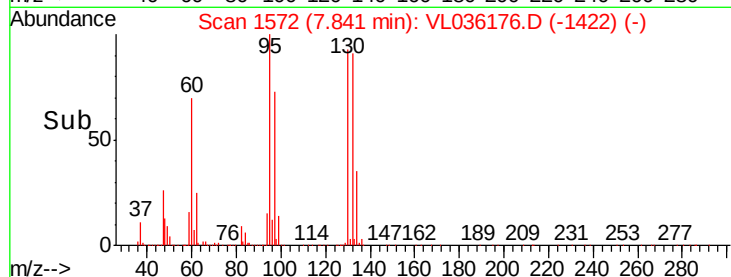


Abundance Ion 130.00 (129.70 to 130.70): V

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: 0.320 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. 0.19 min

Lab File: VL036176.D

Acq: 16 Dec 2020 21:12

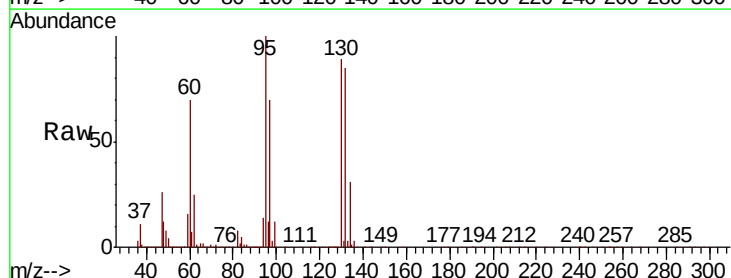
Tgt Ion: 63 Resp: 27233

Ion Ratio Lower Upper

63 100

41 7.2 61.9 92.9#

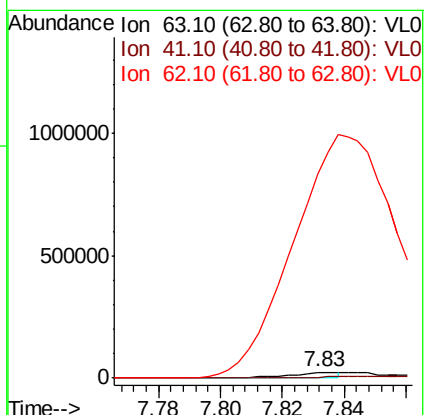
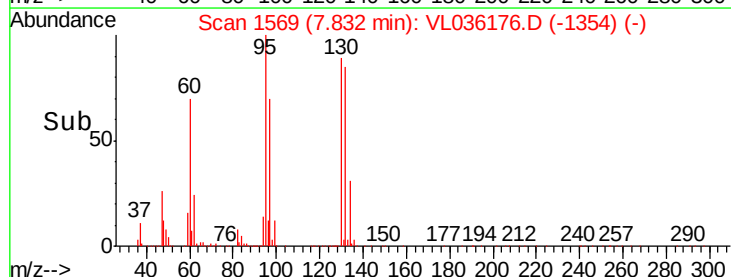
62 3558.4 52.5 78.7#

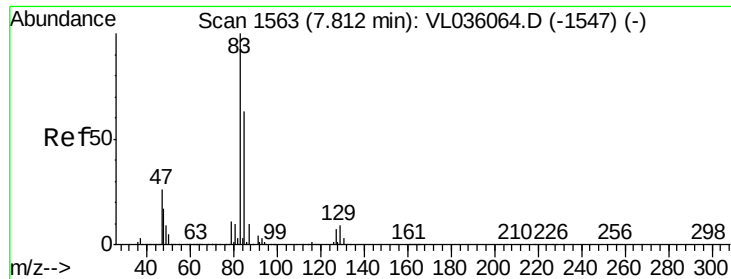


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#42

Bromodichloromethane

Concen: 0.526 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. 0.03 min

Lab File: VL036176.D

Acq: 16 Dec 2020 21:12

Instrument :

MSVOA_L

ClientSampleId :

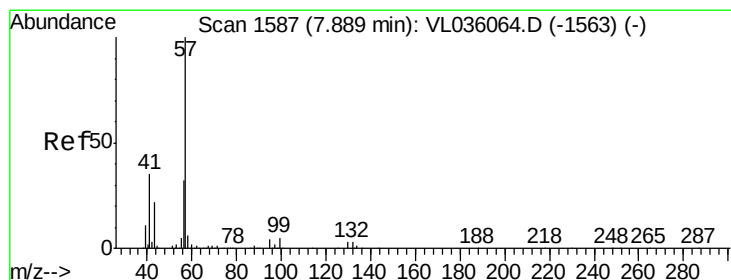
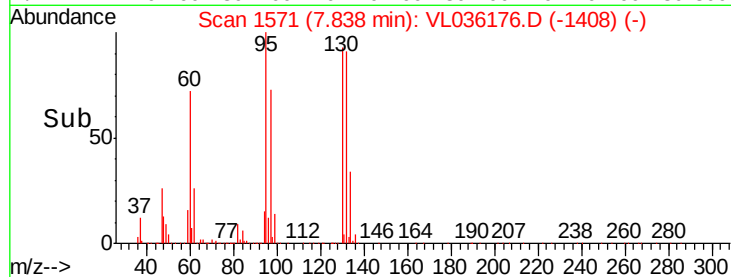
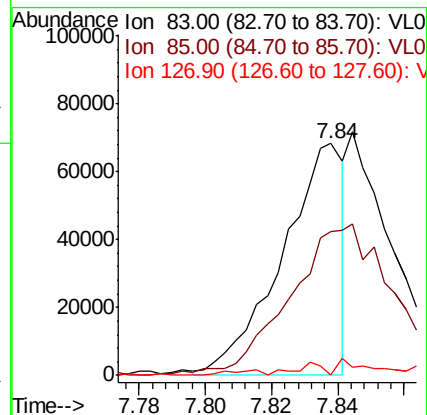
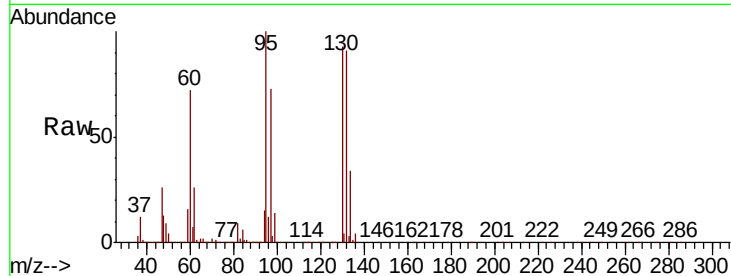
Tot Ion: 83 Resp: 87677

Ion Ratio Lower Upper

83 100

85 61.7 50.2 75.2

127 6.3 5.5 8.3



#44

2,2,4-Trimethylpentane

Concen: 0.132 ppbv

RT: 7.87 min Scan# 1582

Delta R.T. -0.02 min

Lab File: VL036176.D

Acq: 16 Dec 2020 21:12

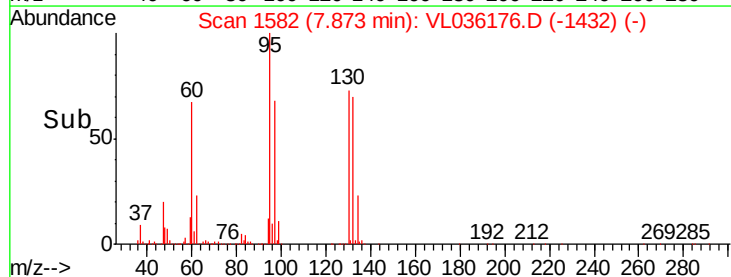
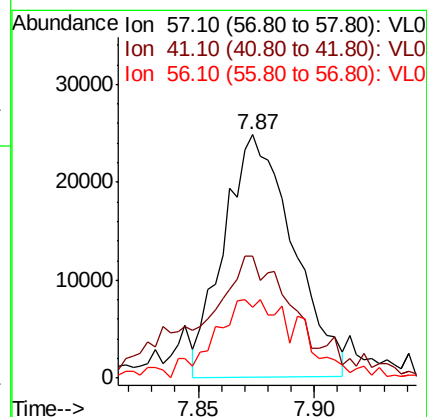
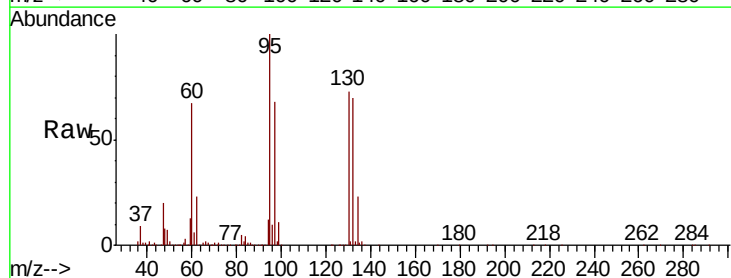
Tgt Ion: 57 Resp: 51535

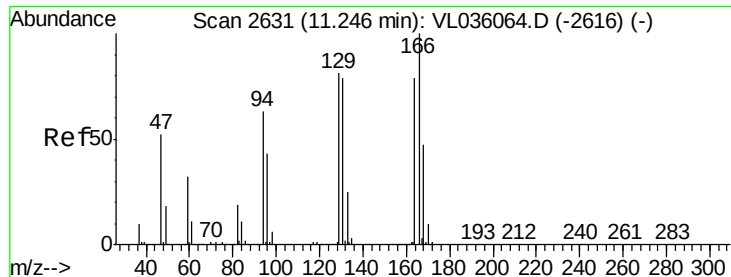
Ion Ratio Lower Upper

57 100

41 75.1 28.9 43.3#

56 48.9 25.3 37.9#





#52

Tetrachloroethene

Concen: 98.593 ppbv

RT: 11.24 min Scan# 2629

Delta R.T. -0.01 min

Lab File: VL036176.D

Acq: 16 Dec 2020 21:12

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:164 Resp: 7699571

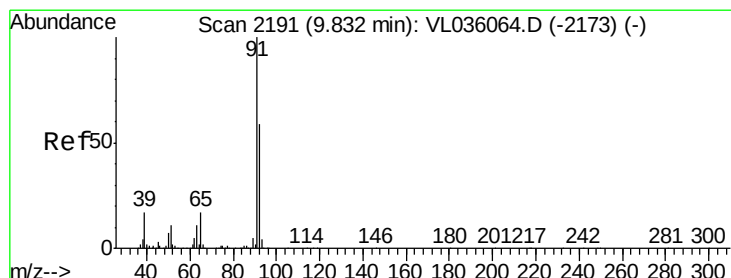
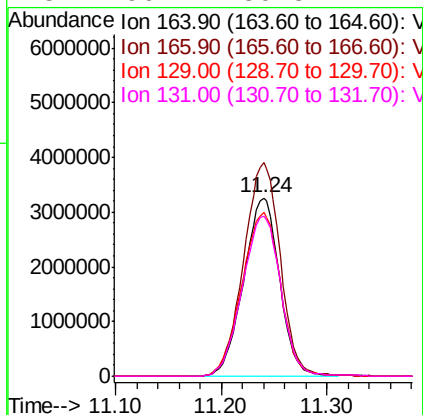
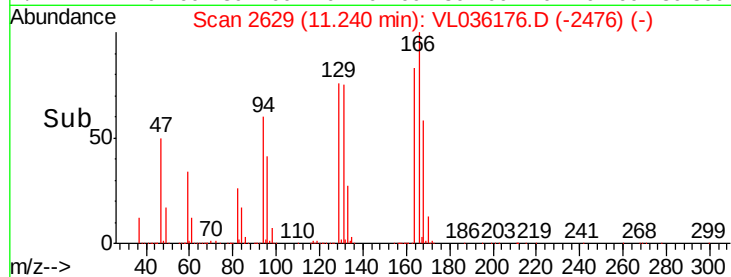
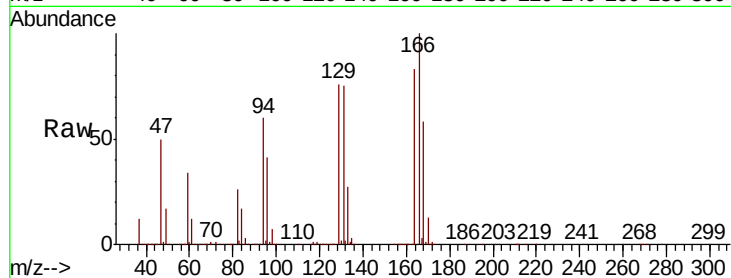
Ion	Ratio	Lower	Upper
164	100		
166	120.0	101.9	152.9
129	91.7	82.1	123.1
131	90.2	80.8	121.2

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: 0.300 ppbv

RT: 9.81 min Scan# 2184

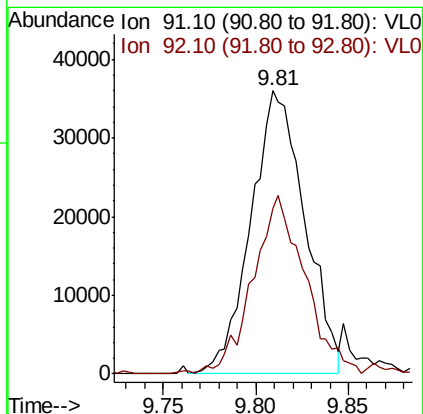
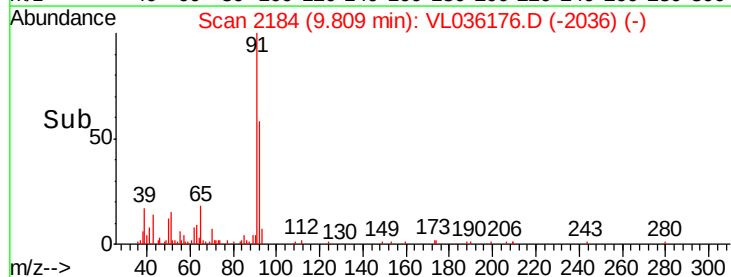
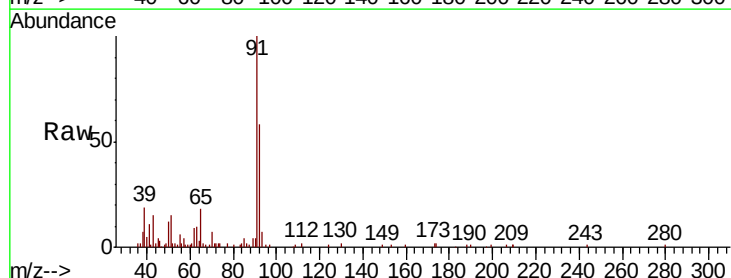
Delta R.T. -0.02 min

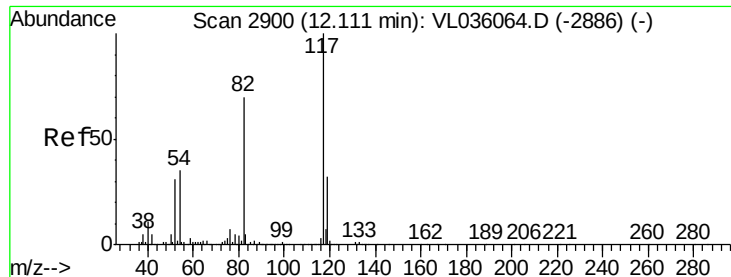
Lab File: VL036176.D

Acq: 16 Dec 2020 21:12

Tgt Ion: 91 Resp: 72694

Ion	Ratio	Lower	Upper
91	100		
92	62.6	48.2	72.2

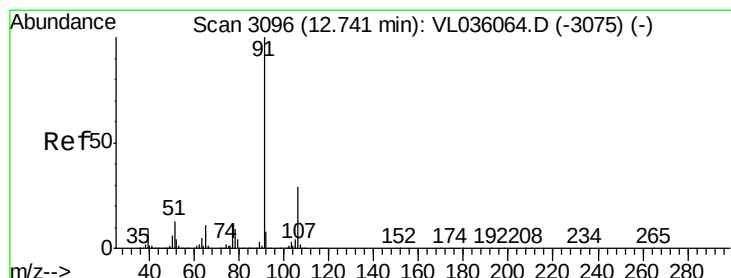
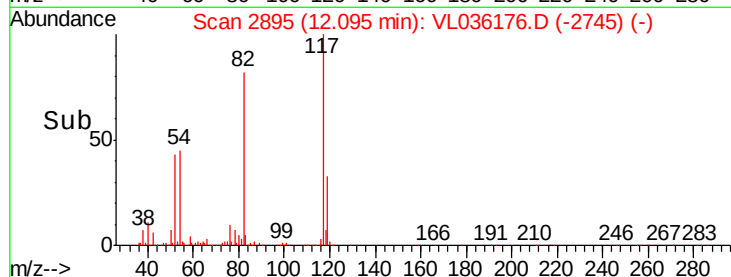
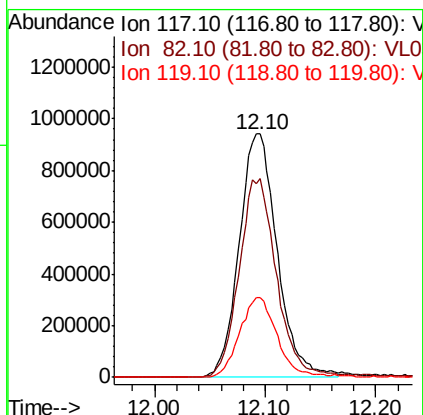
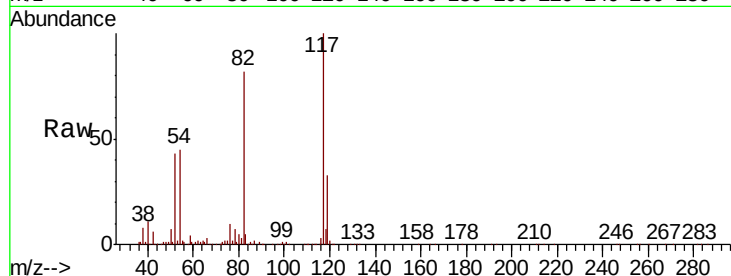




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. -0.02 min
Lab File: VL036176.D
Acq: 16 Dec 2020 21:12

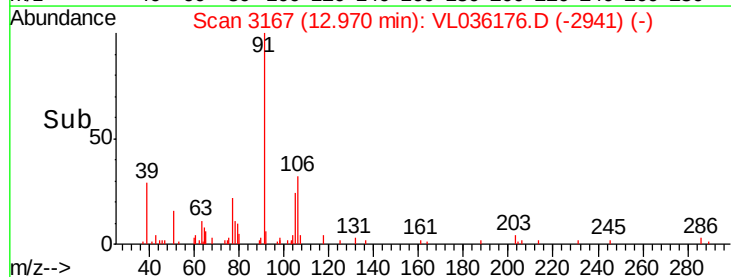
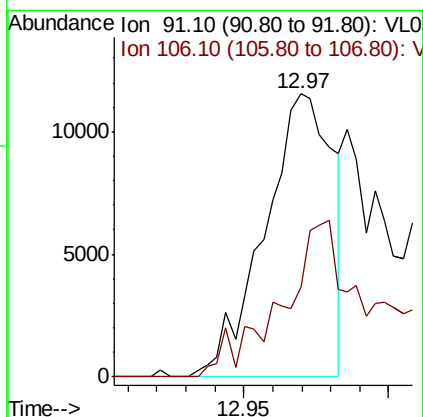
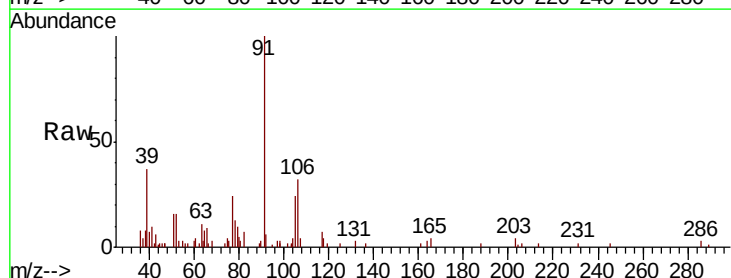
Instrument :
MSVOA_L
ClientSampleId :

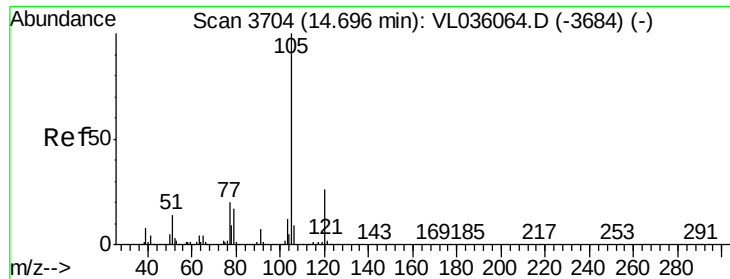
Tot Ion:117 Resp: 2251717
Ion Ratio Lower Upper
117 100
82 81.7 0.0 0.0#
119 33.0 0.0 0.0#



#58
Ethyl Benzene
Concen: 0.061 ppbv
RT: 12.97 min Scan# 3167
Delta R.T. 0.23 min
Lab File: VL036176.D
Acq: 16 Dec 2020 21:12

Tgt Ion: 91 Resp: 18822
Ion Ratio Lower Upper
91 100
106 31.7 23.0 34.4





#62

Isopropylbenzene

Concen: 0.117 ppbv

RT: 14.67 min Scan# 3696

Delta R.T. -0.03 min

Lab File: VL036176.D

Acq: 16 Dec 2020 21:12

Instrument :

MSVOA_L

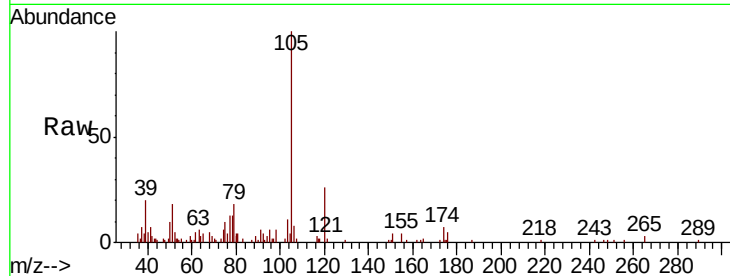
ClientSampleId :

Tot Ion: 105 Resp: 42590

Ion Ratio Lower Upper

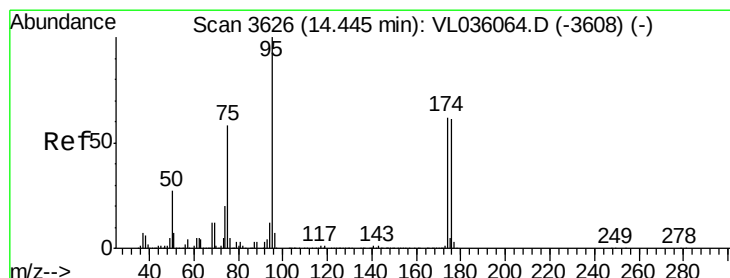
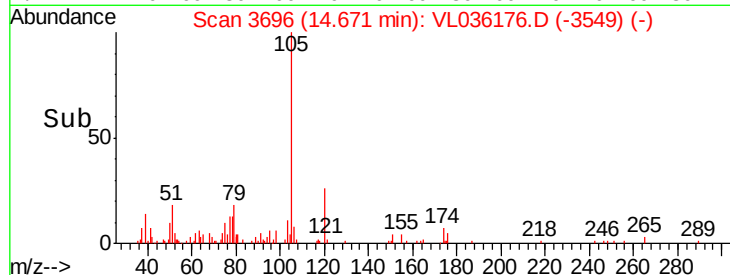
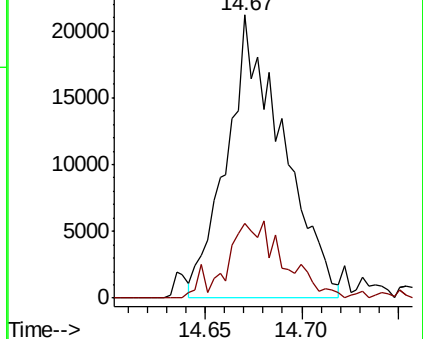
105 100

120 28.7 20.1 30.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 11.307 ppbv

RT: 14.42 min Scan# 3619

Delta R.T. -0.02 min

Lab File: VL036176.D

Acq: 16 Dec 2020 21:12

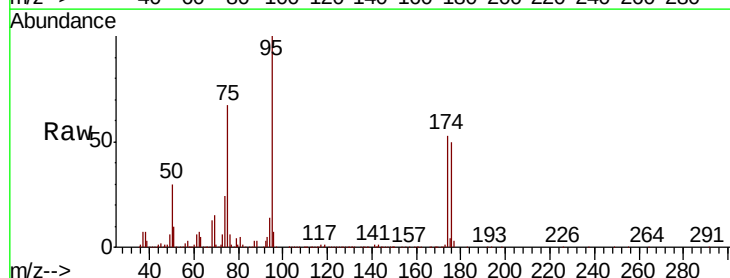
Tgt Ion: 95 Resp: 2021732

Ion Ratio Lower Upper

95 100

174 53.0 50.7 76.1

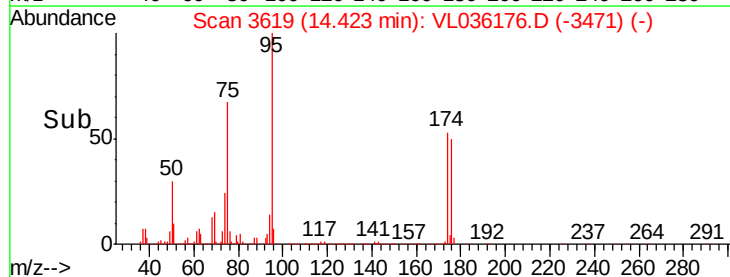
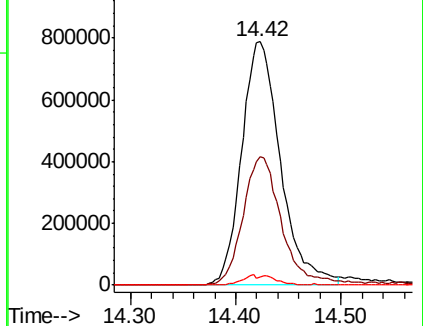
175 3.8 4.0 6.0#

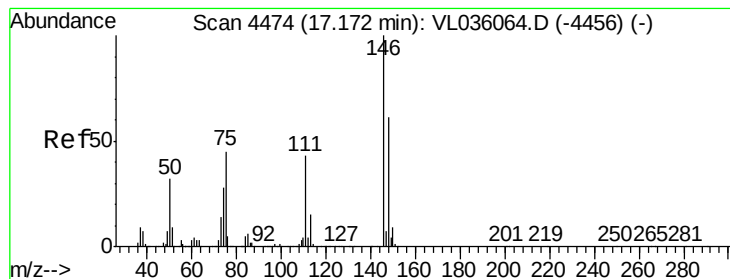


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#76

1,4-Dichlorobenzene

Concen: 0.031 ppbv

RT: 17.14 min Scan# 4465

Delta R.T. -0.03 min

Lab File: VL036176.D

Acq: 16 Dec 2020 21:12

Instrument :

MSVOA_L

ClientSampleId :

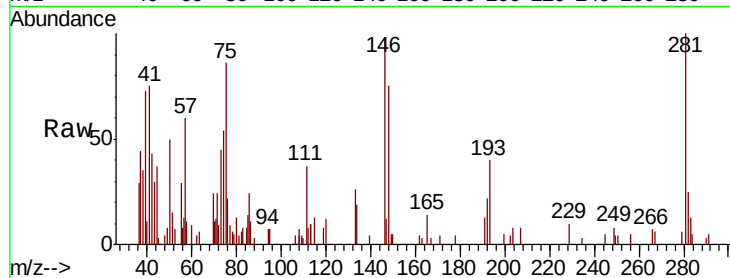
Tot Ion:146 Resp: 4051

Ion Ratio Lower Upper

146 100

111 204.3 24.3 72.8#

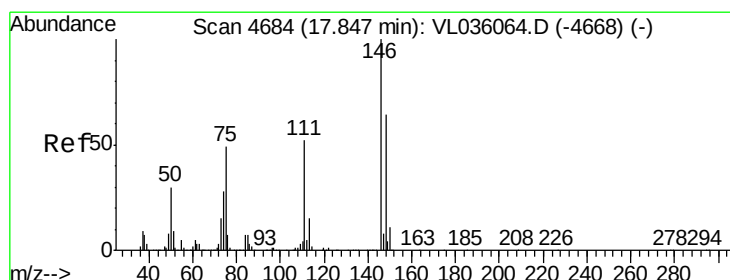
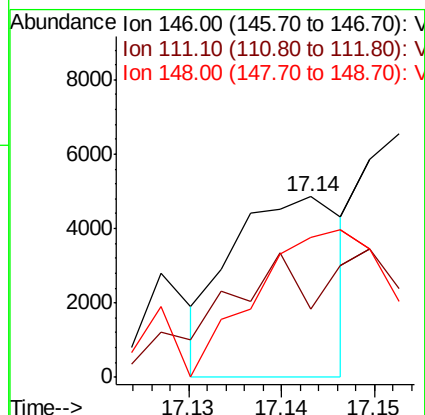
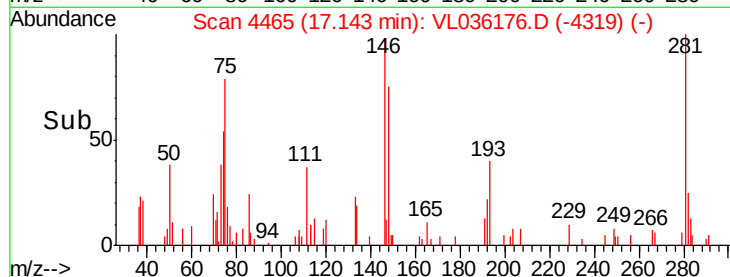
148 222.9 32.8 98.3#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#77

1,2-Dichlorobenzene

Concen: 0.038 ppbv

RT: 17.83 min Scan# 4680

Delta R.T. -0.01 min

Lab File: VL036176.D

Acq: 16 Dec 2020 21:12

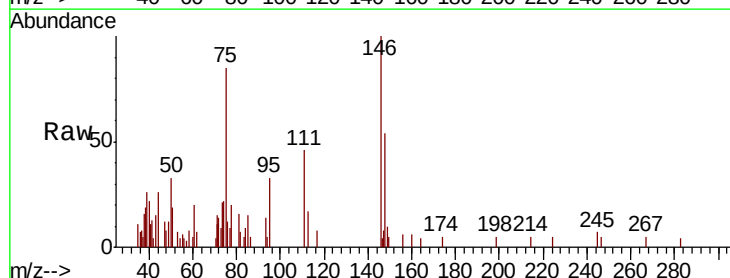
Tgt Ion:146 Resp: 4625

Ion Ratio Lower Upper

146 100

111 39.4 26.1 78.2

148 0.0 33.1 99.5#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

