

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092320\
 Data File : VL035716.D
 Acq On : 23 Sep 2020 13:04
 Operator : SY/AP
 Sample : L4079-01DUP
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 B-1DUP

Quant Time: Sep 24 08:25:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 07:38:05 2020
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1087762	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4144306	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	4165217	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3181758	10.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	48979	0.274	ppbv 97
3) Chlorodifluoromethane	2.99	51	66114	0.565	ppbv # 85
4) Chloromethane	3.14	50	39329	0.626	ppbv 97
9) Propene	3.20	41	248100	5.839	ppbv 97
10) Heptane	8.14	43	39909	0.337	ppbv # 19
11) Trichlorofluoromethane	3.95	101	65788	0.258	ppbv 91
12) 1,1,2-Trichlorotrifluoroet	4.49	101	15156	0.080	ppbv 99
13) Ethanol	3.60	45	169776	16.203	ppbv 100
15) Acetone	3.85	43	1068572	9.130	ppbv # 54
16) 1,3-Butadiene	3.31	39	18503	0.432	ppbv # 33
17) tert-Butyl alcohol	4.31	59	4328	0.034	ppbv # 72
19) Isopropyl Alcohol	3.98	45	167183	2.626	ppbv # 89
20) Methylene Chloride	4.35	84	927473	10.788	ppbv 97
21) Allyl Chloride	4.38	41	16570	0.292	ppbv # 45
23) Vinyl Acetate	5.06	43	872039	6.083	ppbv # 11
25) Ethyl Acetate	5.70	43	356580	1.693	ppbv # 75
26) Hexane	5.70	57	600015	5.199	ppbv # 50
27) Carbon Disulfide	4.56	76	20103	0.117	ppbv # 79
29) Chloroform	5.76	83	15516	0.066	ppbv 99
30) Cyclohexane	7.15	84	68974	0.606	ppbv 89
34) 2-Butanone	5.26	43	83697	0.611	ppbv 99
35) Carbon Tetrachloride	7.03	117	16041	0.074	ppbv 97
36) Benzene	6.90	78	83167	0.308	ppbv 96
39) 1,2-Dichloropropane	7.19	63	825561	8.434	ppbv # 30
41) Tetrahydrofuran	6.36	42	225978	3.272	ppbv # 26
42) Bromodichloromethane	7.81	83	18818	0.083	ppbv # 32
44) 2,2,4-Trimethylpentane	7.89	57	3752561	9.684	ppbv 97
50) 4-Methyl-2-Pentanone	8.78	43	31998	0.160	ppbv 97
51) 2-Hexanone	10.13	43	10582	0.066	ppbv # 62
52) Tetrachloroethene	11.25	164	22597	0.174	ppbv 94
53) Toluene	9.83	91	411346	1.292	ppbv 97
58) Ethyl Benzene	12.73	91	53120	0.127	ppbv 93
59) m/p-Xylene	13.00	91	180939	0.496	ppbv 97
60) o-Xylene	13.72	91	66036	0.179	ppbv 98
72) 4-Ethyltoluene	15.87	105	45203	0.103	ppbv 95
73) 1,3,5-Trimethylbenzene	16.02	105	15925	0.039	ppbv # 82
74) 1,2,4-Trimethylbenzene	16.80	105	188756	0.405	ppbv # 71
76) 1,4-Dichlorobenzene	17.17	146	17101	0.056	ppbv # 58
79) Naphthalene	22.24	128	822409	1.850	ppbv 95
80) Naphthalene,2-methyl-	25.00	142	16935	0.162	ppbv # 88

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 07:38:05 2020
QLast Update : Wed Sep 23 07:38:05 2020
Response via : Initial Calibration

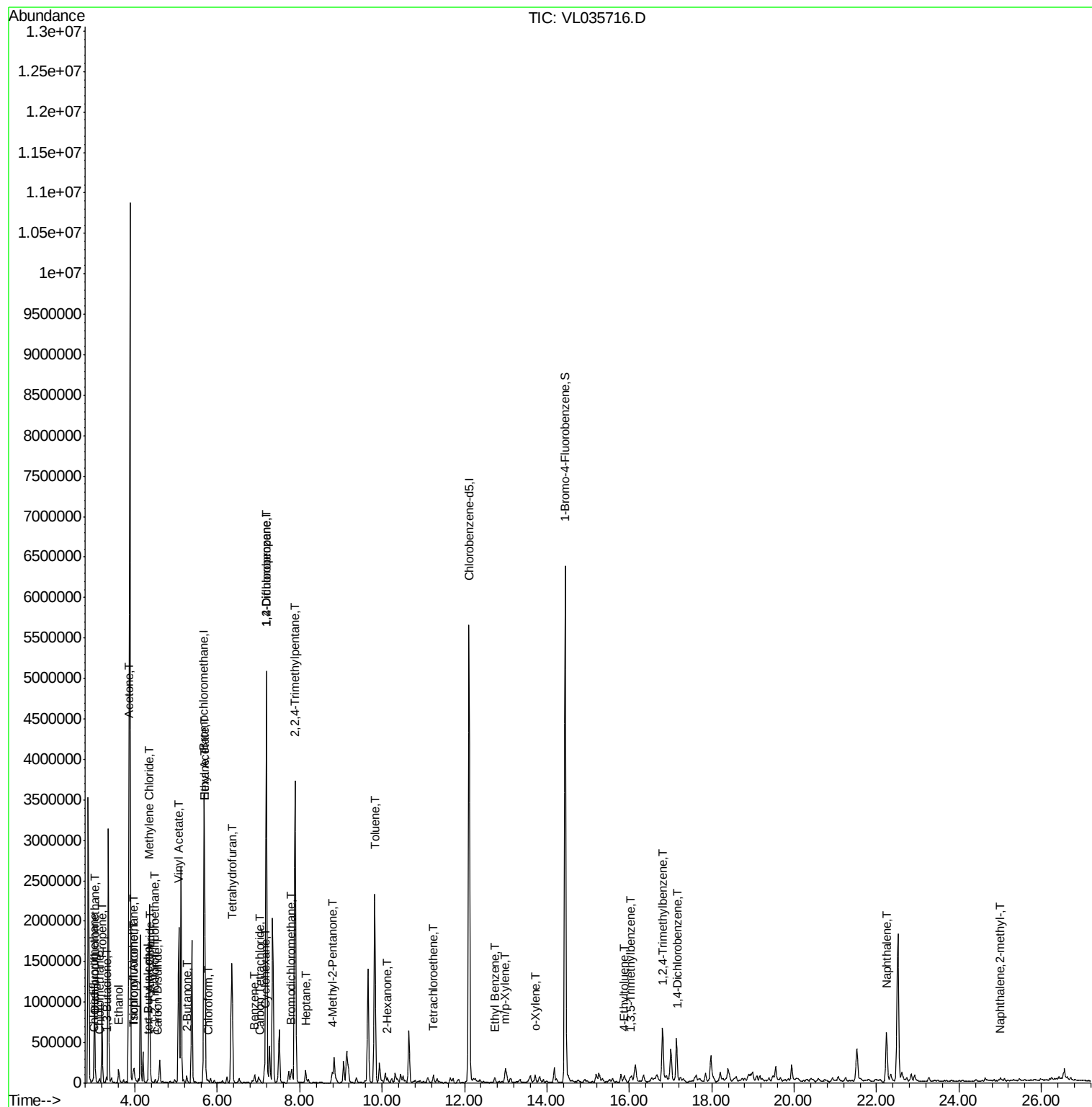
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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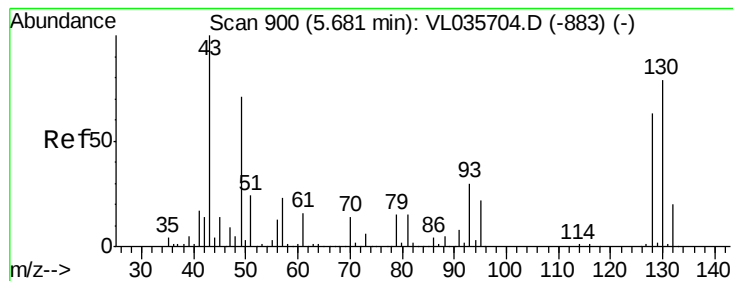
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL092320\
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.00 min

Lab File: VL035716.D

Acq: 23 Sep 2020 13:04

Instrument :

MSVOA_L

ClientSampleId :

B-1DUP

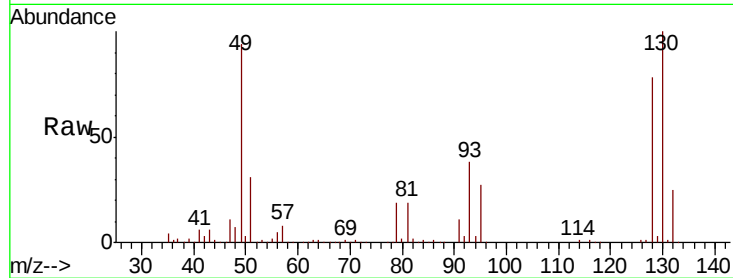
Tot Ion: 49 Resp: 1087762

Ion Ratio Lower Upper

49 100

128 83.7 43.1 129.4

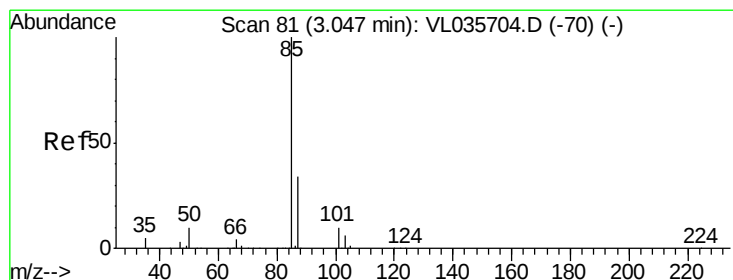
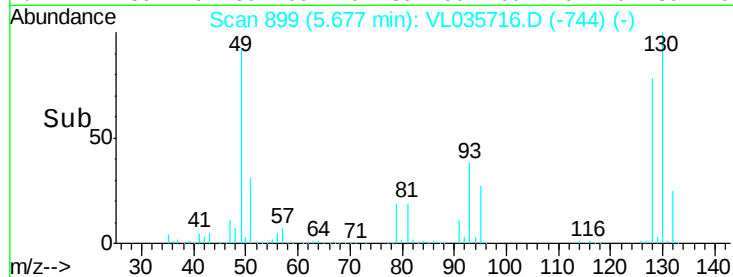
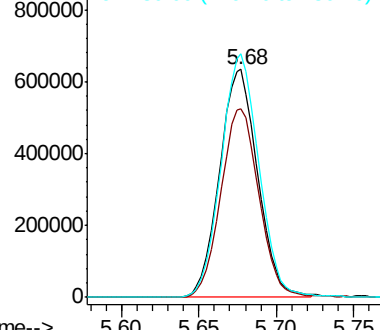
130 107.0 54.9 164.7



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: 0.274 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.00 min

Lab File: VL035716.D

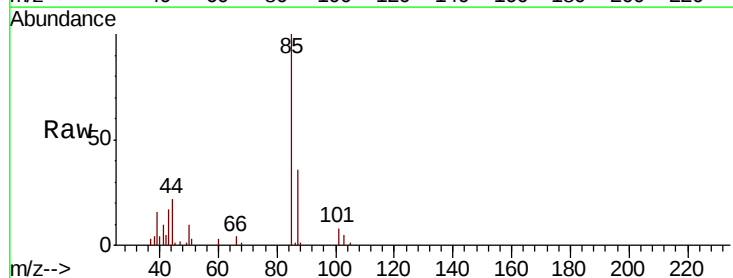
Acq: 23 Sep 2020 13:04

Tgt Ion: 85 Resp: 48979

Ion Ratio Lower Upper

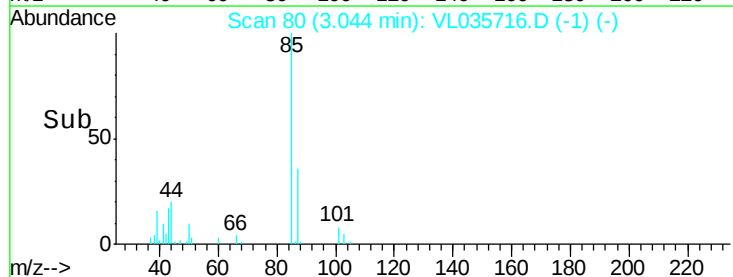
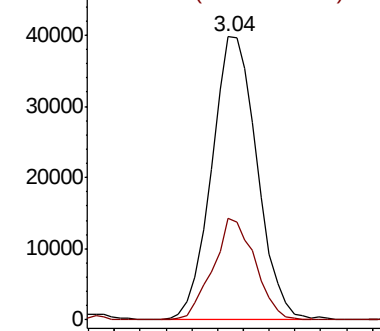
85 100

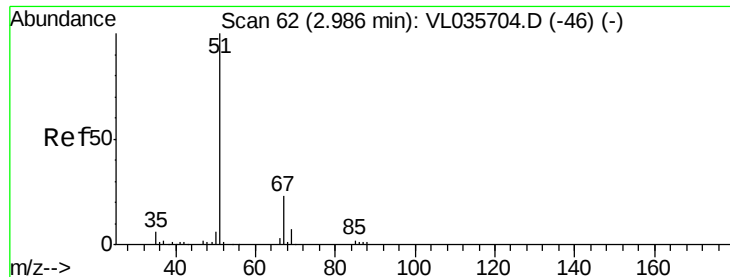
87 35.9 27.3 40.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

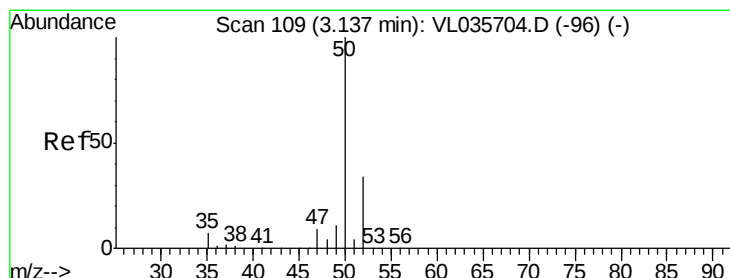
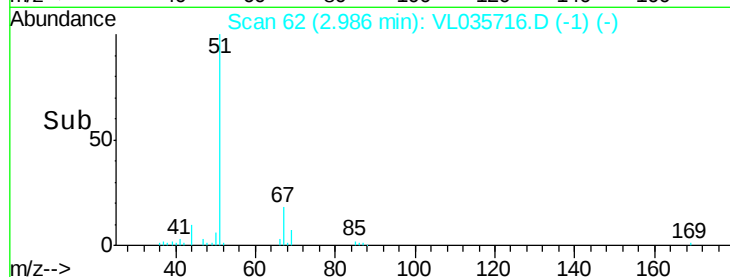
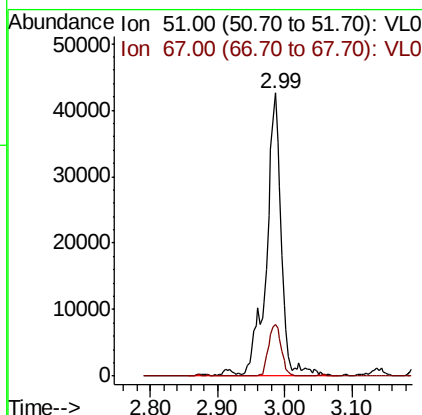
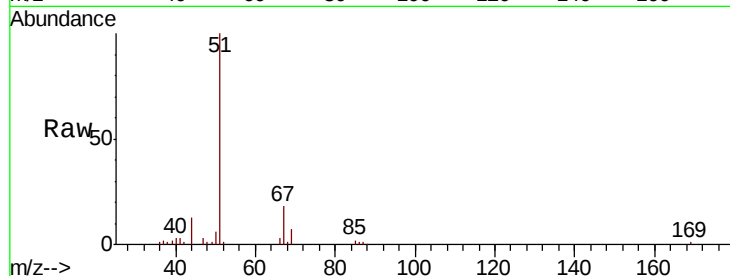




#3
 Chlorodifluoromethane
 Concen: 0.565 ppbv
 RT: 2.99 min Scan# 62
 Delta R.T. 0.00 min
 Lab File: VL035716.D
 Acq: 23 Sep 2020 13:04

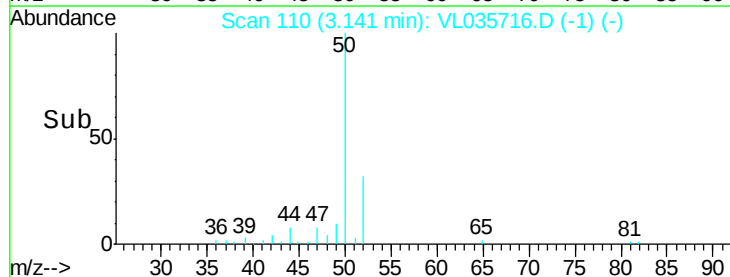
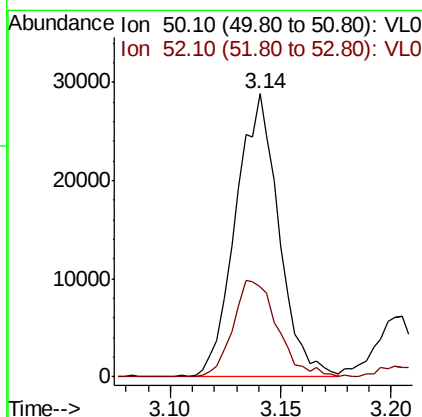
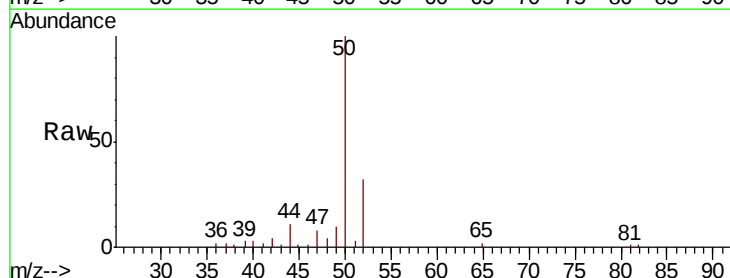
Instrument :
 MSVOA_L
 ClientSampleId :
 B-1DUP

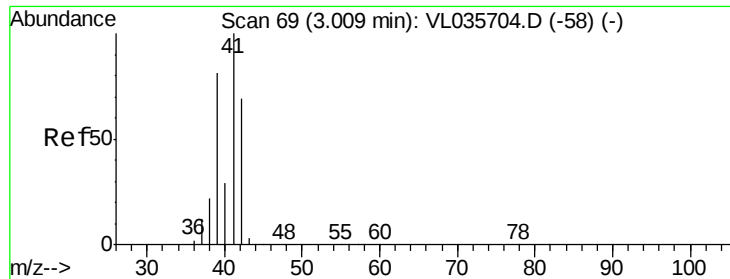
Tot Ion: 51 Resp: 66114
 Ion Ratio Lower Upper
 51 100
 67 15.2 17.8 26.8#



#4
 Chloromethane
 Concen: 0.626 ppbv
 RT: 3.14 min Scan# 110
 Delta R.T. 0.00 min
 Lab File: VL035716.D
 Acq: 23 Sep 2020 13:04

Tgt Ion: 50 Resp: 39329
 Ion Ratio Lower Upper
 50 100
 52 32.0 26.8 40.2





#9

Propene

Concen: 5.839 ppbv

RT: 3.20 min Scan# 130

Delta R.T. 0.20 min

Lab File: VL035716.D

Acq: 23 Sep 2020 13:04

Instrument :

MSVOA_L

ClientSampleId :

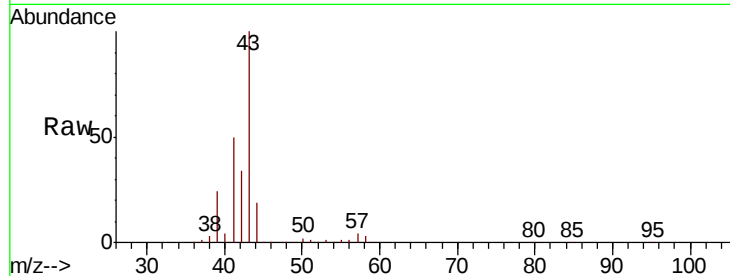
B-1DUP

Tot Ion: 41 Resp: 248100

Ion Ratio Lower Upper

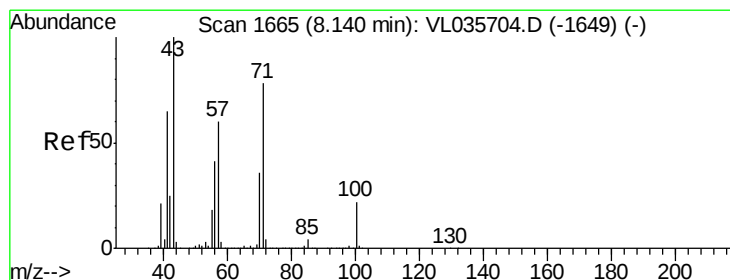
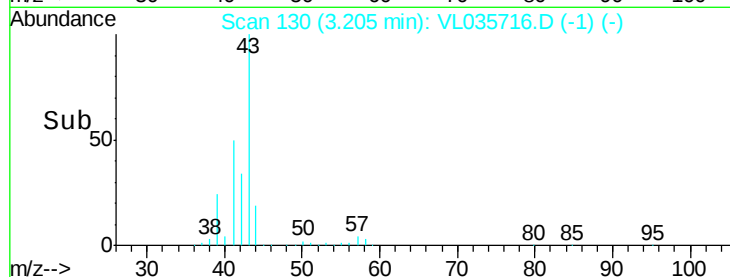
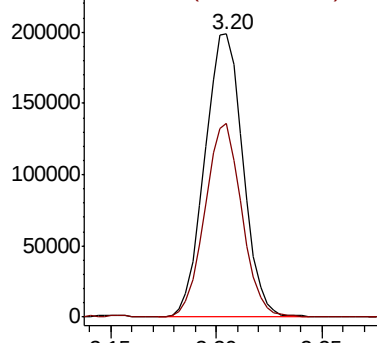
41 100

42 67.6 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.337 ppbv

RT: 8.14 min Scan# 1666

Delta R.T. 0.00 min

Lab File: VL035716.D

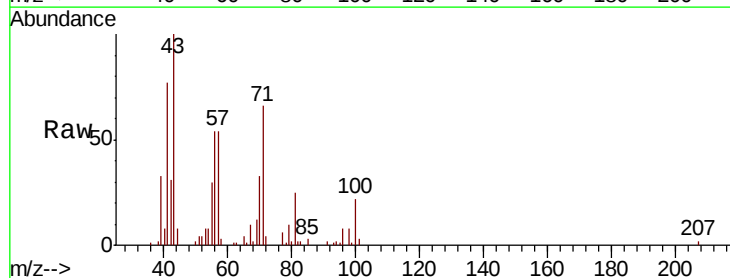
Acq: 23 Sep 2020 13:04

Tgt Ion: 43 Resp: 39909

Ion Ratio Lower Upper

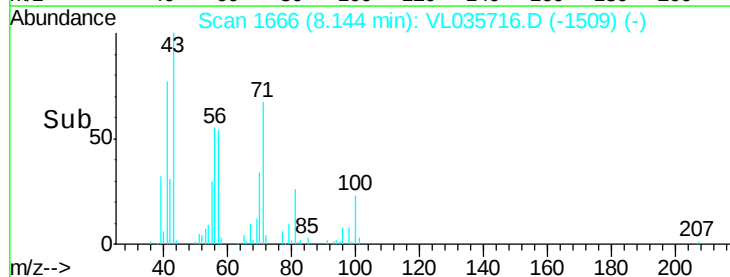
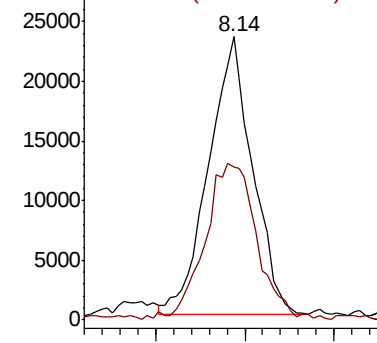
43 100

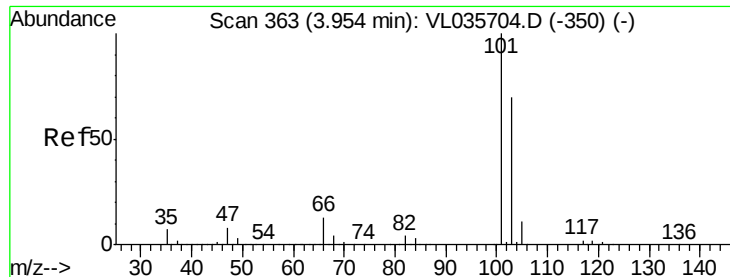
57 0.0 50.4 75.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

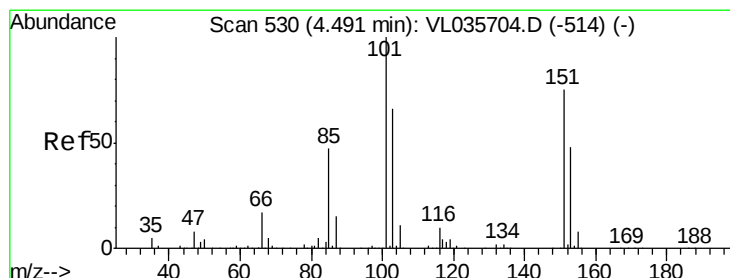
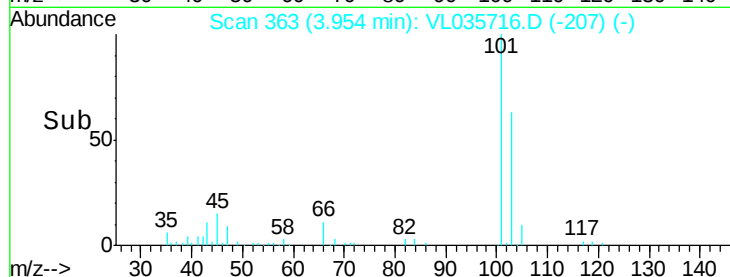
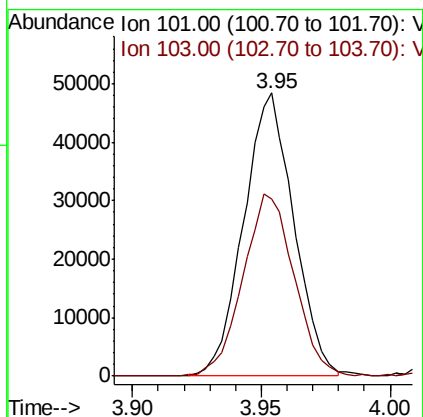
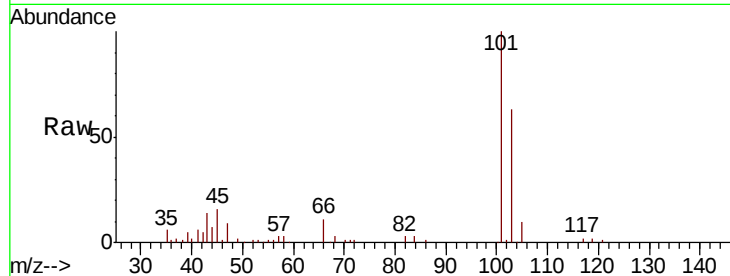




#11
 Trichlorofluoromethane
 Concen: 0.258 ppbv
 RT: 3.95 min Scan# 363
 Delta R.T. 0.00 min
 Lab File: VL035716.D
 Acq: 23 Sep 2020 13:04

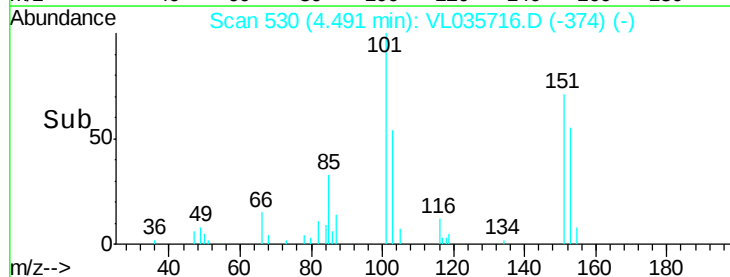
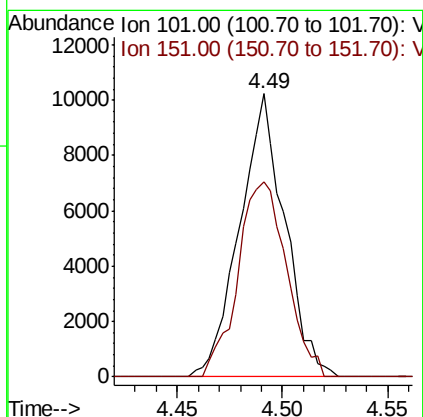
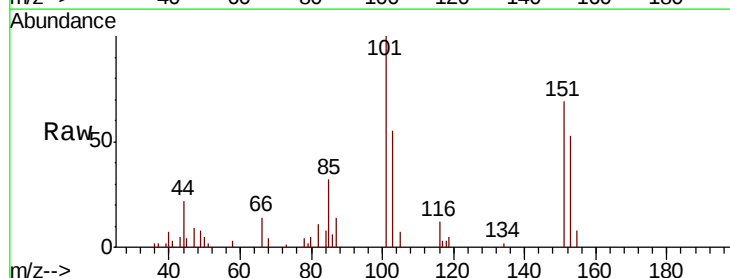
Instrument :
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 B-1DUP

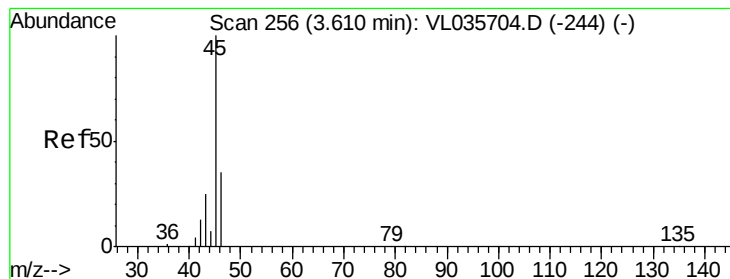
Tot Ion:101 Resp: 65788
 Ion Ratio Lower Upper
 101 100
 103 62.0 55.6 83.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.080 ppbv
 RT: 4.49 min Scan# 530
 Delta R.T. 0.00 min
 Lab File: VL035716.D
 Acq: 23 Sep 2020 13:04

Tgt Ion:101 Resp: 15156
 Ion Ratio Lower Upper
 101 100
 151 74.4 59.1 88.7





#13

Ethanol

Concen: 16.203 ppbv

RT: 3.60 min Scan# 254

Delta R.T. -0.01 min

Lab File: VL035716.D

Acq: 23 Sep 2020 13:04

Instrument :

MSVOA_L

ClientSampleId :

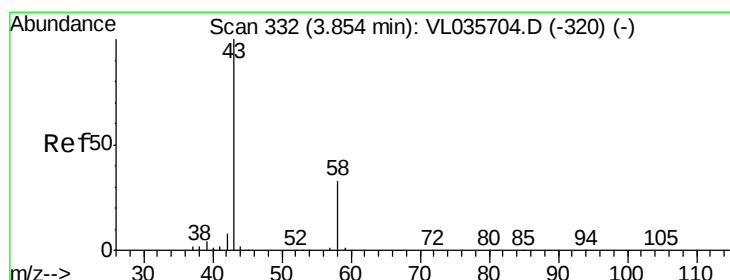
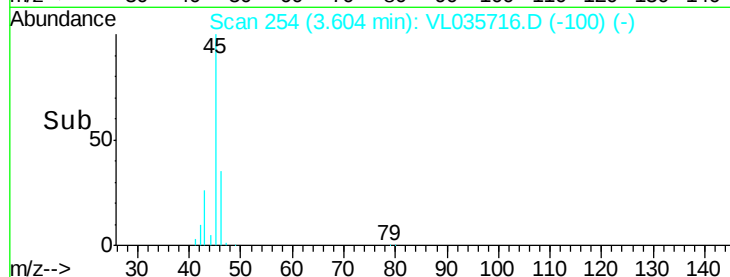
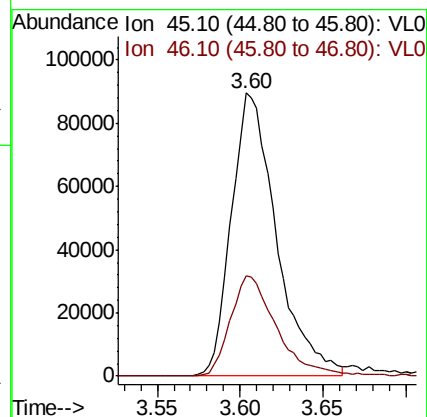
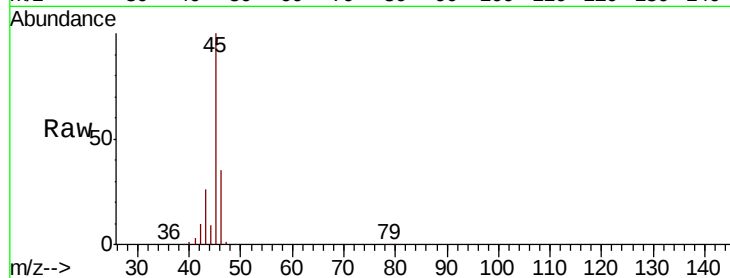
B-1DUP

Tot Ion: 45 Resp: 169776

Ion Ratio Lower Upper

45 100

46 36.8 14.7 58.7



#15

Acetone

Concen: 9.130 ppbv

RT: 3.85 min Scan# 331

Delta R.T. -0.00 min

Lab File: VL035716.D

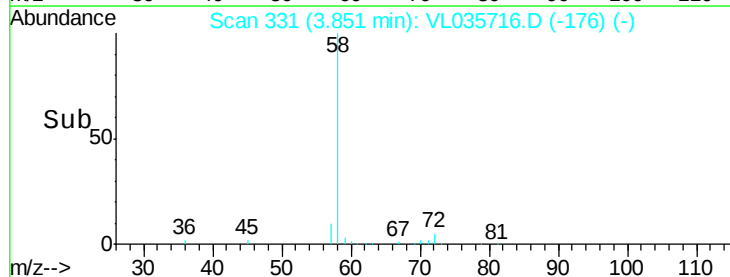
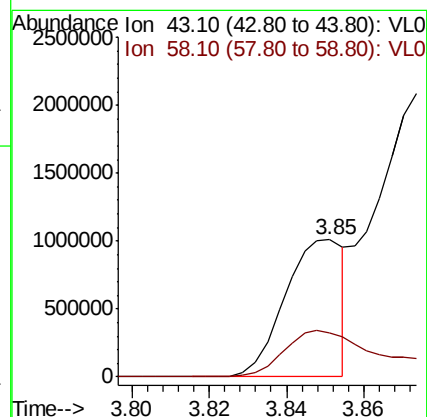
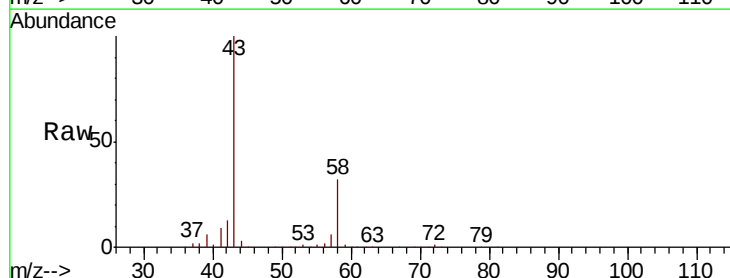
Acq: 23 Sep 2020 13:04

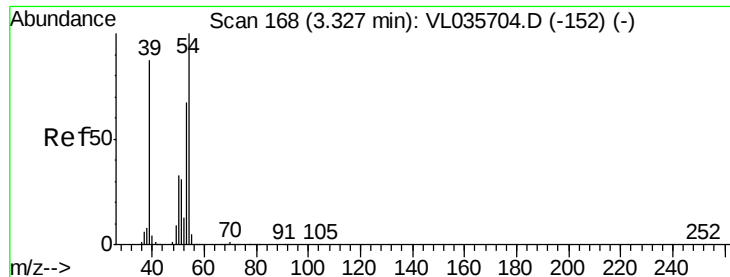
Tgt Ion: 43 Resp: 1068572

Ion Ratio Lower Upper

43 100

58 60.4 27.3 40.9#

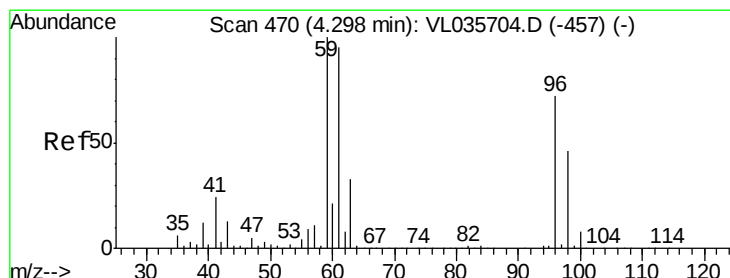
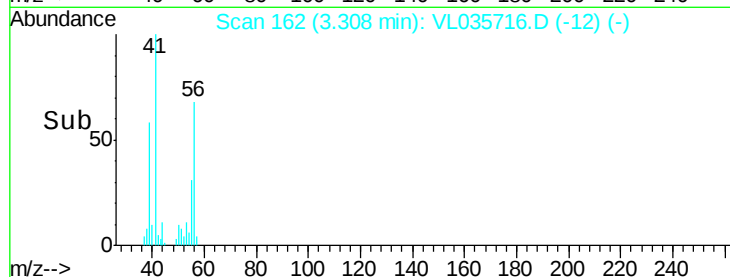
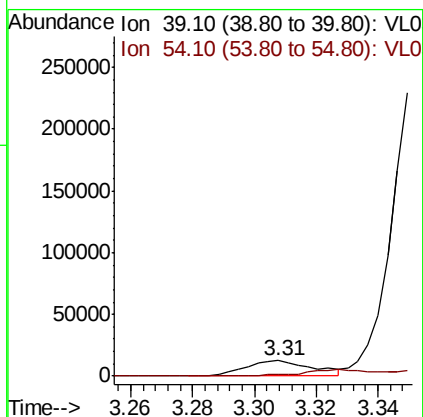
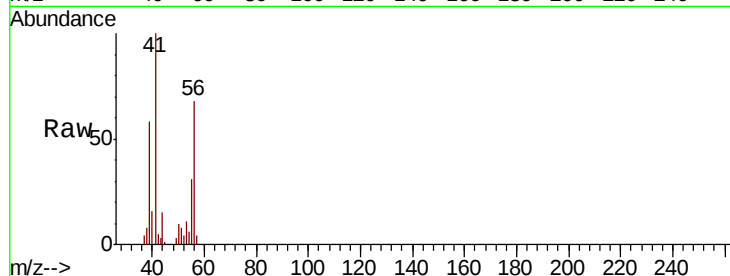




#16
 1,3-Butadiene
 Concen: 0.432 ppbv
 RT: 3.31 min Scan# 162
 Delta R.T. -0.02 min
 Lab File: VL035716.D
 Acq: 23 Sep 2020 13:04

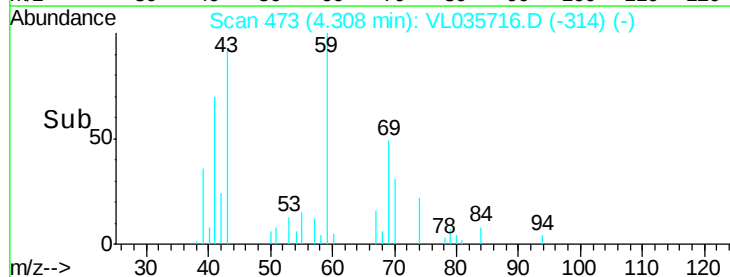
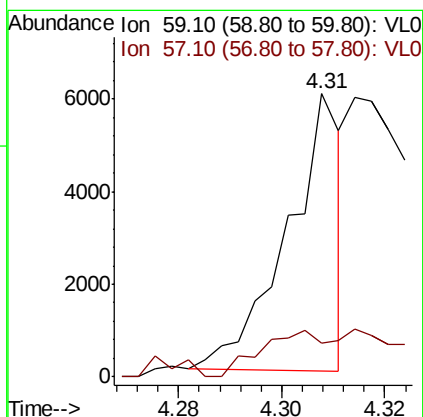
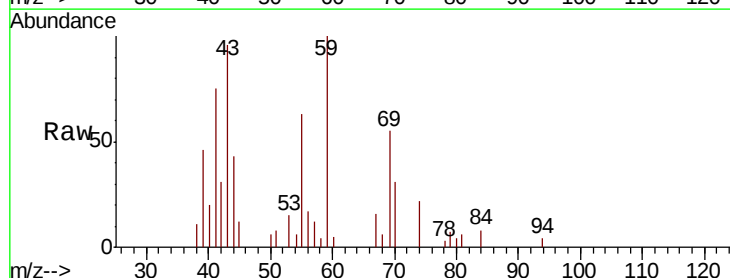
Instrument :
 MSVOA_L
 ClientSampleID :
 B-1DUP

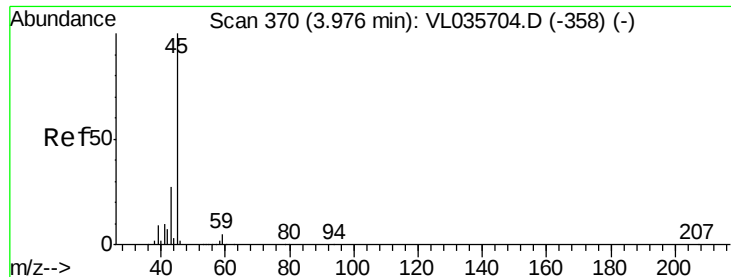
Tot Ion: 39 Resp: 18503
 Ion Ratio Lower Upper
 39 100
 54 39.0 87.4 131.0#



#17
 tert-Butyl alcohol
 Concen: 0.034 ppbv
 RT: 4.31 min Scan# 473
 Delta R.T. 0.01 min
 Lab File: VL035716.D
 Acq: 23 Sep 2020 13:04

Tgt Ion: 59 Resp: 4328
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#





#19

Isopropyl Alcohol

Concen: 2.626 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.00 min

Lab File: VL035716.D

Acq: 23 Sep 2020 13:04

Instrument :

MSVOA_L

ClientSampleId :

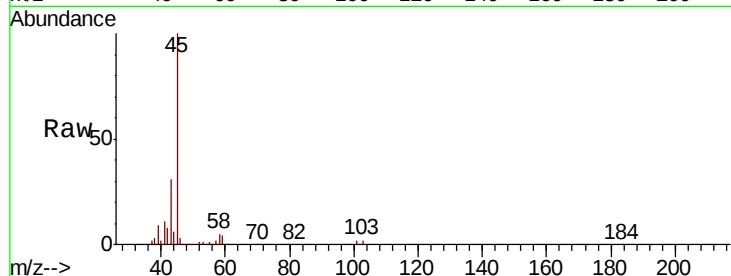
B-1DUP

Tot Ion: 45 Resp: 167183

Ion Ratio Lower Upper

45 100

58 0.0 2.8 4.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.98

100000

80000

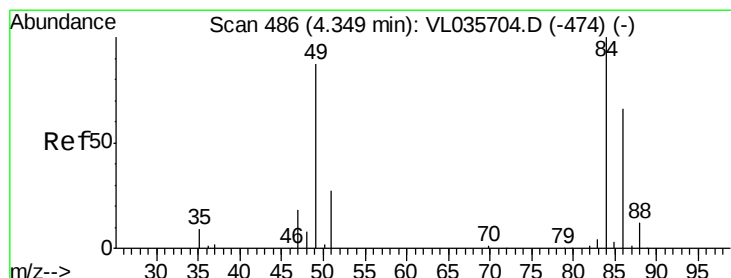
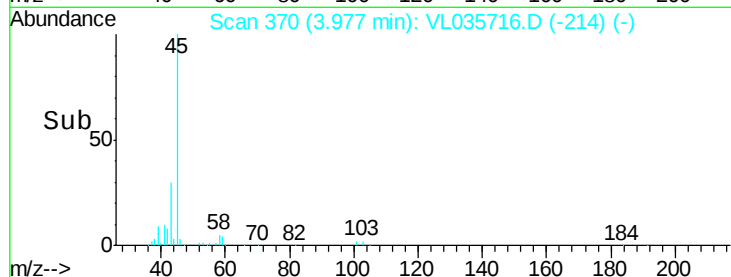
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 10.788 ppbv

RT: 4.35 min Scan# 485

Delta R.T. -0.00 min

Lab File: VL035716.D

Acq: 23 Sep 2020 13:04

Tgt Ion: 84 Resp: 927473

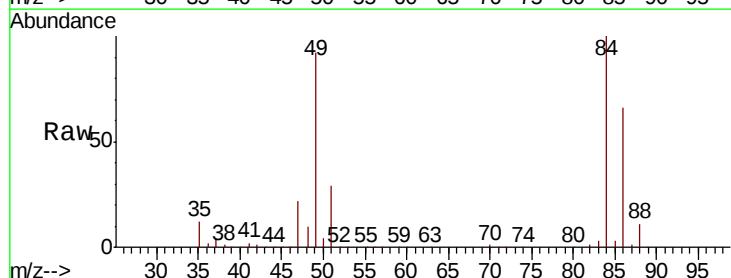
Ion Ratio Lower Upper

84 100

49 91.9 69.8 104.6

51 29.1 21.8 32.8

86 66.0 52.6 78.8



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

800000

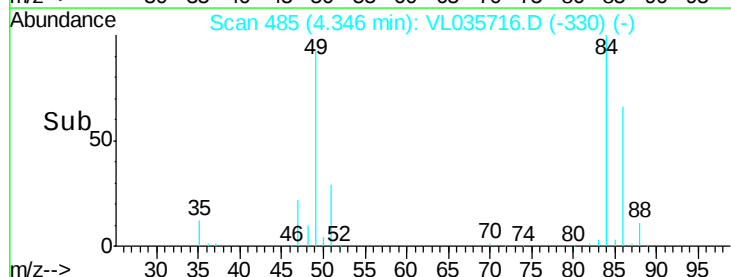
600000

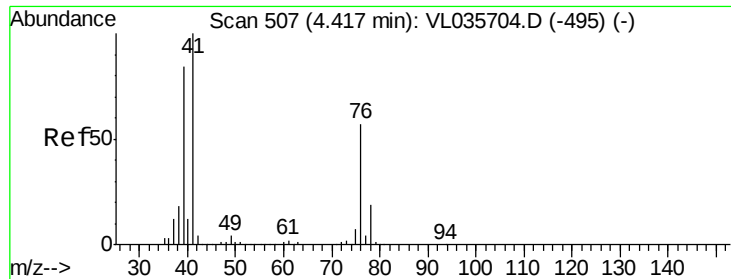
400000

200000

0

Time-->





#21

Allvl Chloride

Concen: 0.292 ppbv

RT: 4.38 min Scan# 494

Delta R.T. -0.04 min

Lab File: VL035716.D

Acq: 23 Sep 2020 13:04

Instrument :

MSVOA_L

ClientSampleId :

B-1DUP

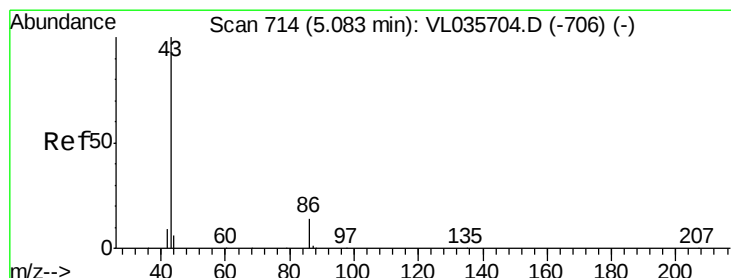
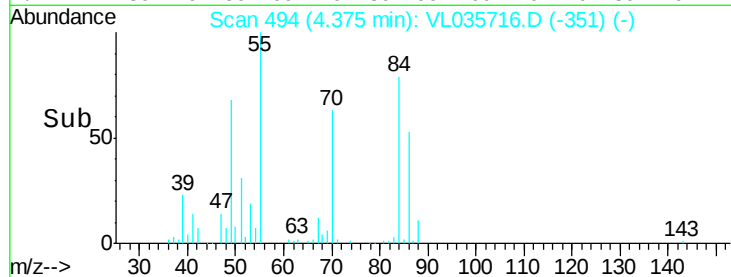
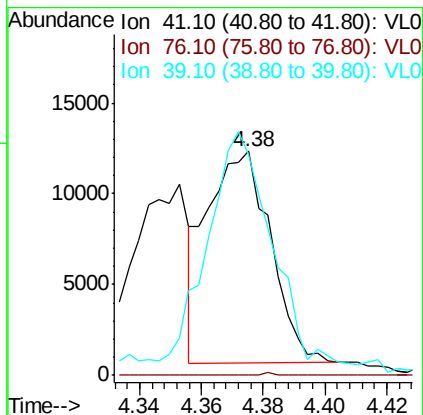
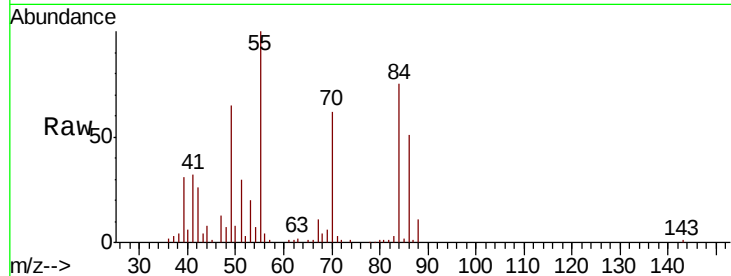
Tot Ion: 41 Resp: 16570

Ion Ratio Lower Upper

41 100

76 0.0 44.8 67.2#

39 122.1 68.4 102.6#



#23

Vinyl Acetate

Concen: 6.083 ppbv

RT: 5.06 min Scan# 708

Delta R.T. -0.02 min

Lab File: VL035716.D

Acq: 23 Sep 2020 13:04

Tgt Ion: 43 Resp: 872039

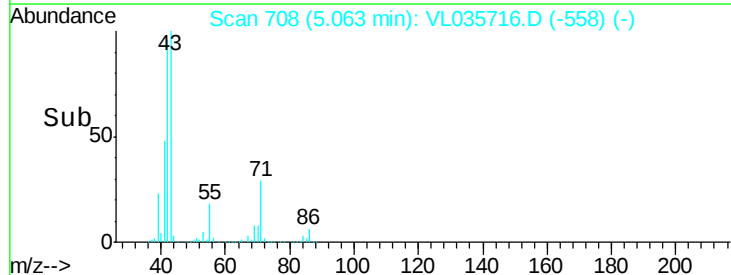
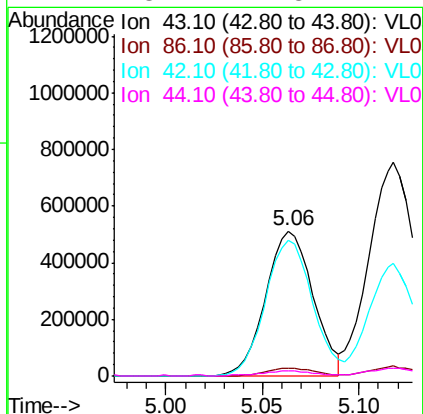
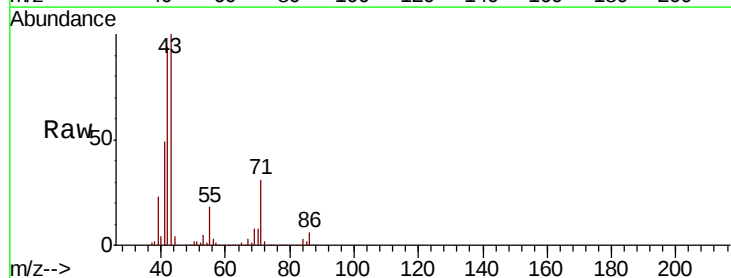
Ion Ratio Lower Upper

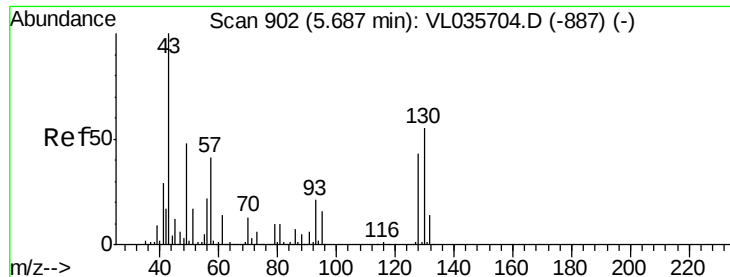
43 100

86 5.7 9.7 14.5#

42 94.0 7.9 11.9#

44 3.4 4.8 7.2#

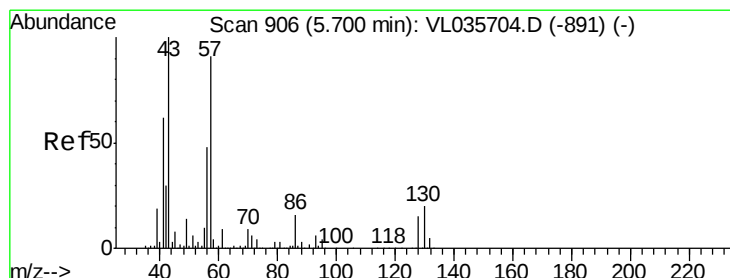
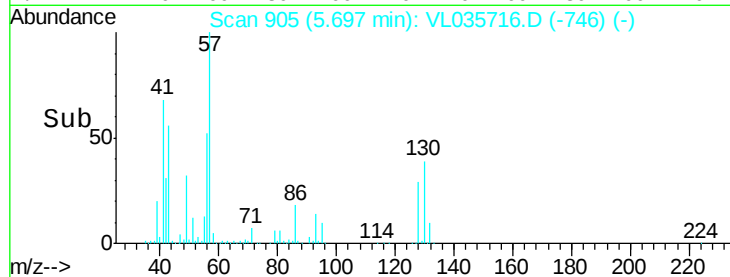
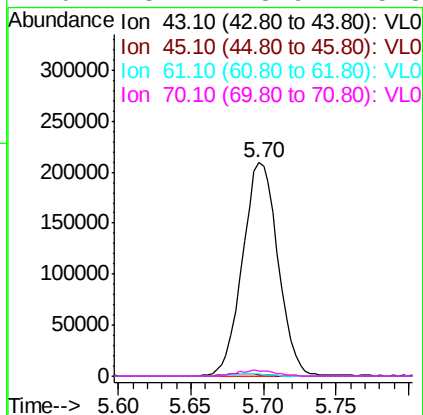
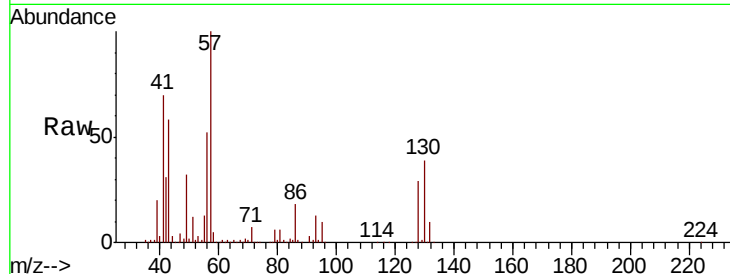




#25
Ethyl Acetate
Concen: 1.693 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.01 min
Lab File: VL035716.D
Acq: 23 Sep 2020 13:04

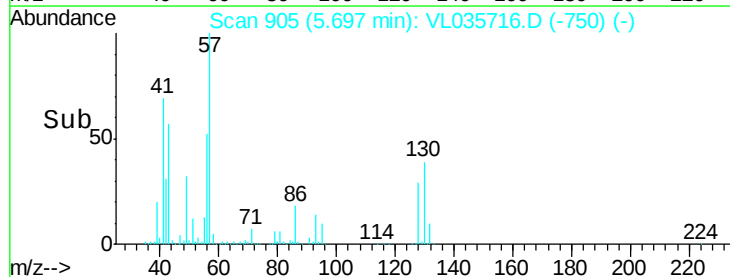
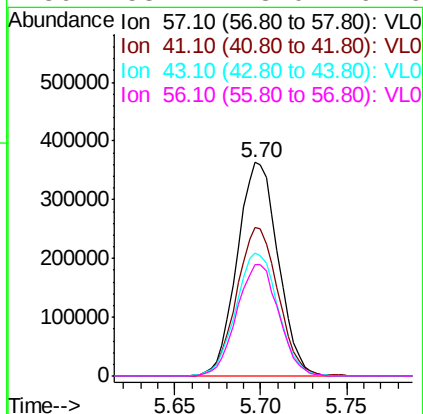
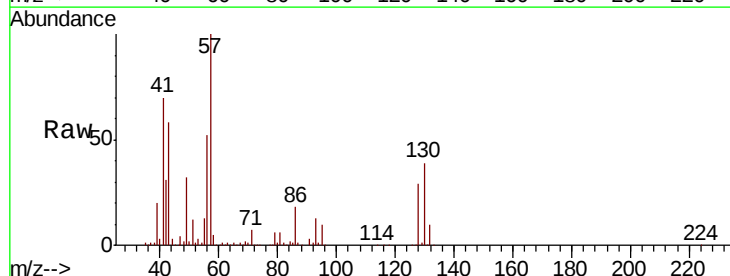
Instrument :
MSVOA_L
ClientSampleId :
B-1DUP

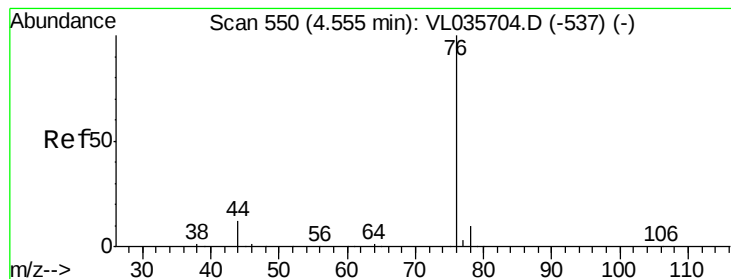
Tot Ion: 43 Resp: 356580
Ion Ratio Lower Upper
43 100
45 1.5 8.6 12.8#
61 1.3 10.4 15.6#
70 3.1 8.9 13.3#



#26
Hexane
Concen: 5.199 ppbv
RT: 5.70 min Scan# 905
Delta R.T. -0.00 min
Lab File: VL035716.D
Acq: 23 Sep 2020 13:04

Tgt Ion: 57 Resp: 600015
Ion Ratio Lower Upper
57 100
41 70.7 57.9 86.9
43 59.8 143.8 215.6#
56 53.7 43.0 64.6





#27

Carbon Disulfide

Concen: 0.117 ppbv

RT: 4.56 min Scan# 551

Delta R.T. 0.00 min

Lab File: VL035716.D

Acq: 23 Sep 2020 13:04

Instrument :

MSVOA_L

ClientSampleId :

B-1DUP

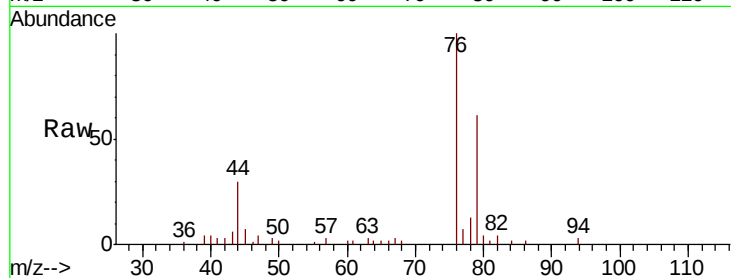
Tot Ion: 76 Resp: 20103

Ion Ratio Lower Upper

76 100

44 24.7 9.7 14.5#

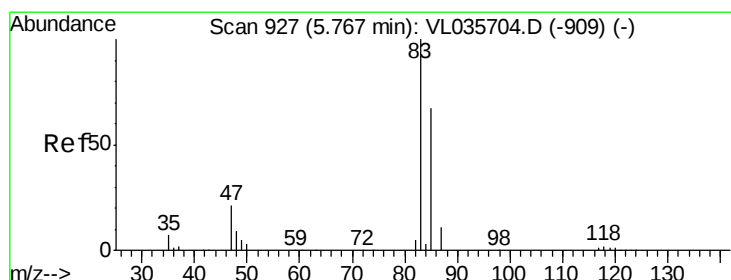
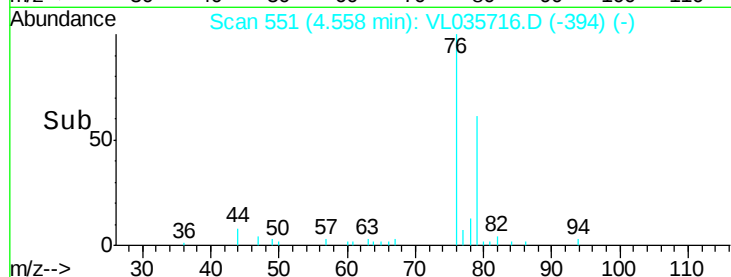
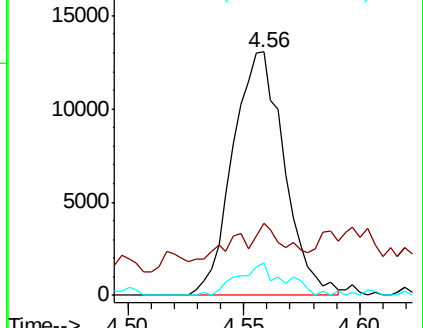
78 12.0 7.8 11.8#



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: 0.066 ppbv

RT: 5.76 min Scan# 926

Delta R.T. -0.00 min

Lab File: VL035716.D

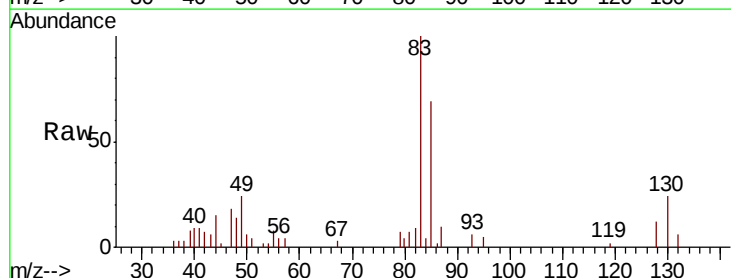
Acq: 23 Sep 2020 13:04

Tgt Ion: 83 Resp: 15516

Ion Ratio Lower Upper

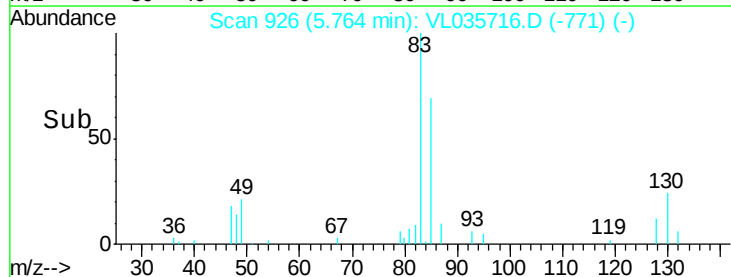
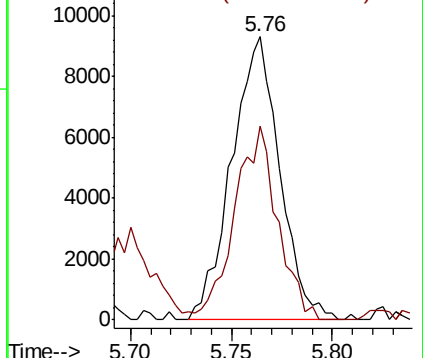
83 100

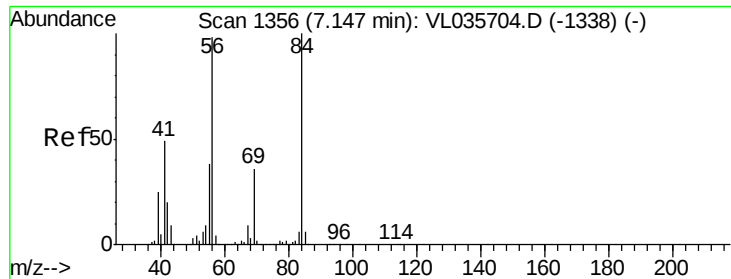
85 68.6 54.0 81.0



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

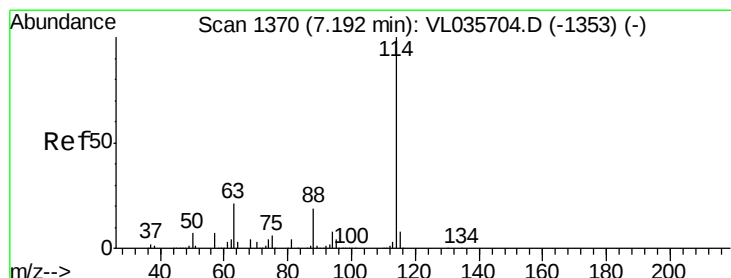
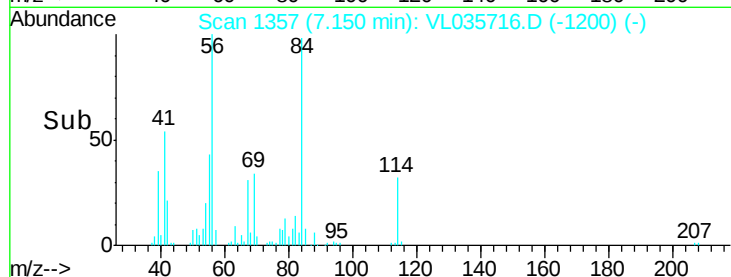
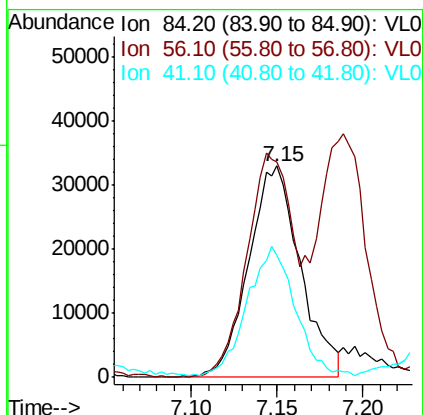
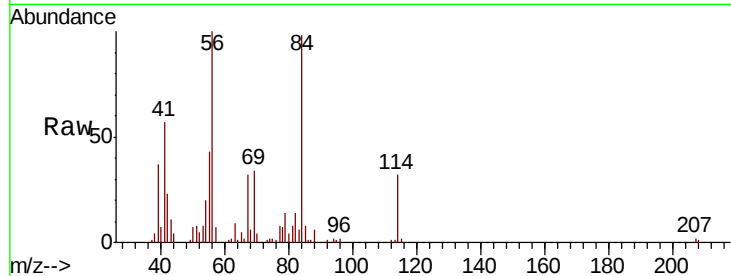




#30
Cvclohexane
Concen: 0.606 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. 0.00 min
Lab File: VL035716.D
Acq: 23 Sep 2020 13:04

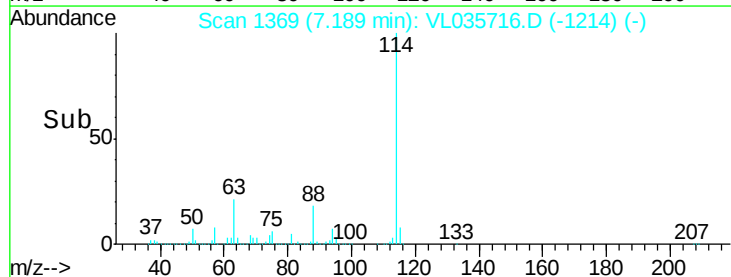
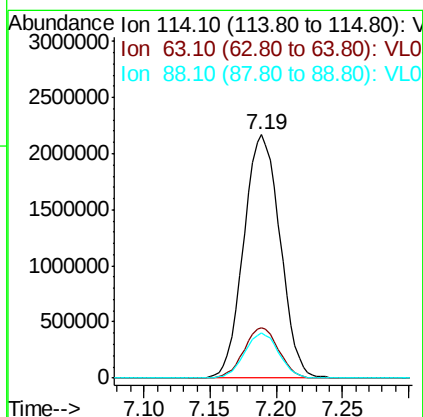
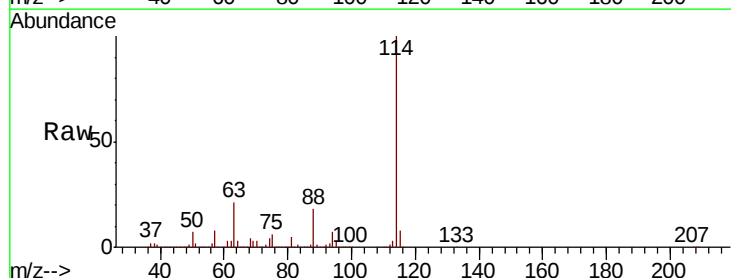
Instrument :
MSVOA_L
ClientSampleId :
B-1DUP

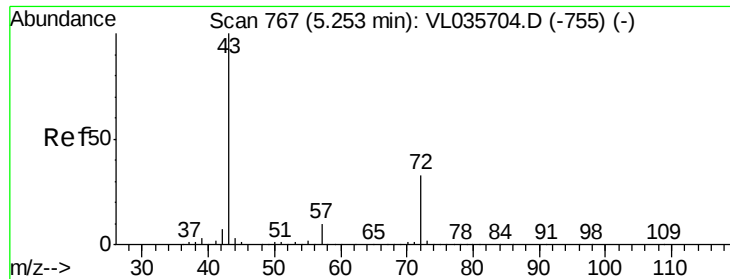
Tot Ion: 84 Resp: 68974
Ion Ratio Lower Upper
84 100
56 91.8 84.6 127.0
41 55.8 41.1 61.7



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VL035716.D
Acq: 23 Sep 2020 13:04

Tgt Ion: 114 Resp: 4144306
Ion Ratio Lower Upper
114 100
63 20.1 16.1 24.1
88 17.7 14.1 21.1

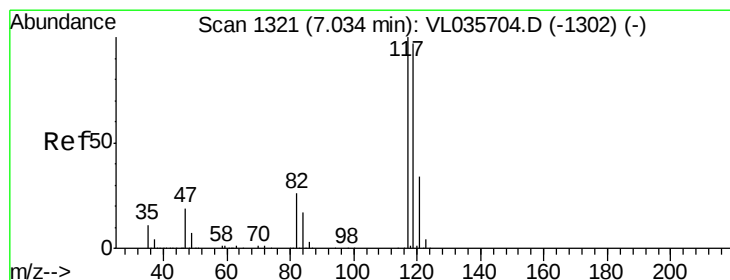
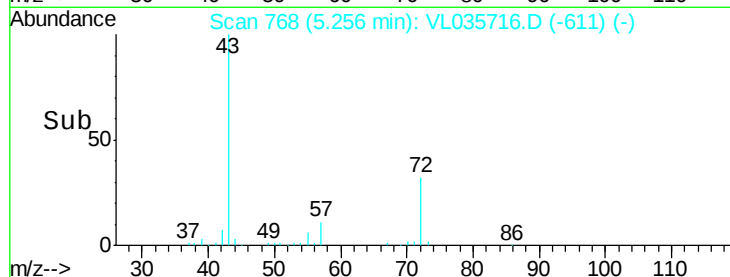
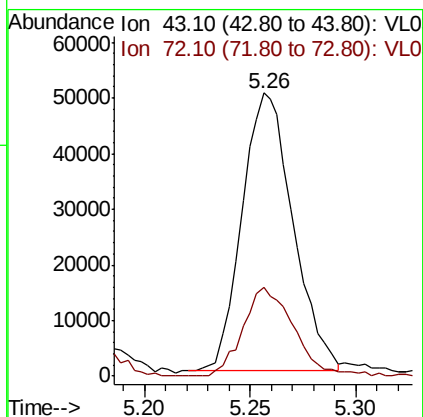
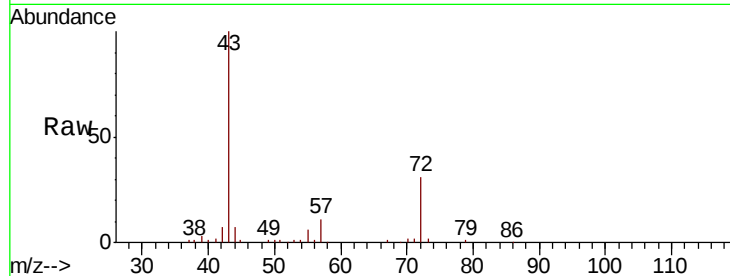




#34
2-Butanone
Concen: 0.611 ppbv
RT: 5.26 min Scan# 768
Delta R.T. 0.00 min
Lab File: VL035716.D
Acq: 23 Sep 2020 13:04

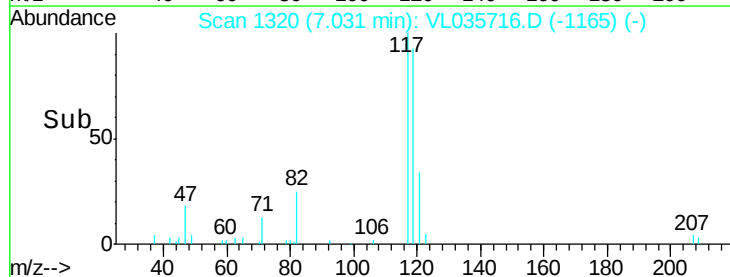
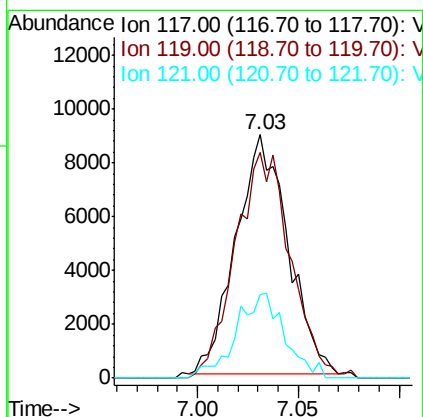
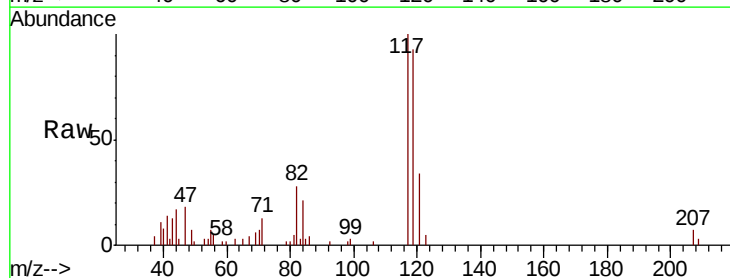
Instrument :
MSVOA_L
ClientSampleID :
B-1DUP

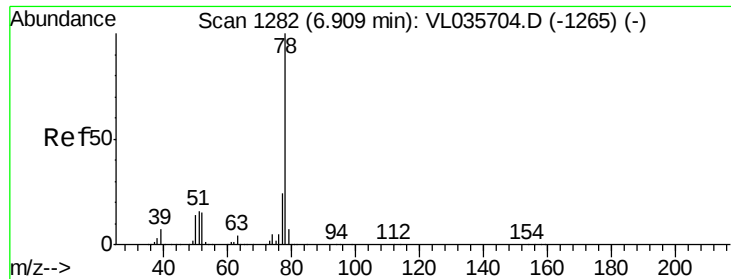
Tot Ion: 43 Resp: 83697
Ion Ratio Lower Upper
43 100
72 32.3 26.1 39.1



#35
Carbon Tetrachloride
Concen: 0.074 ppbv
RT: 7.03 min Scan# 1320
Delta R.T. -0.00 min
Lab File: VL035716.D
Acq: 23 Sep 2020 13:04

Tgt Ion: 117 Resp: 16041
Ion Ratio Lower Upper
117 100
119 94.3 77.7 116.5
121 34.7 26.9 40.3

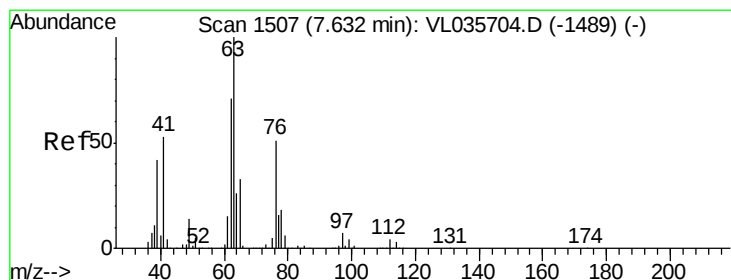
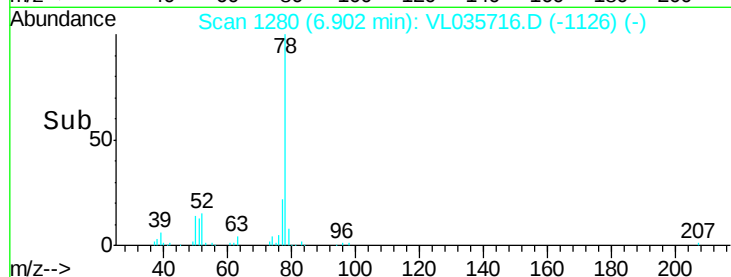
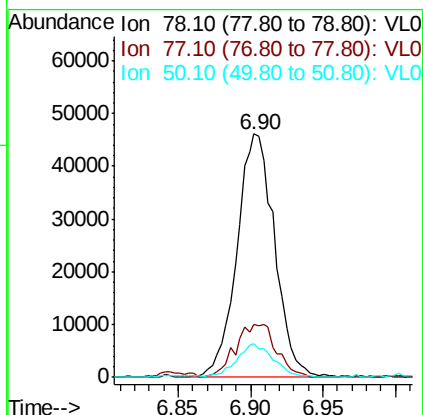
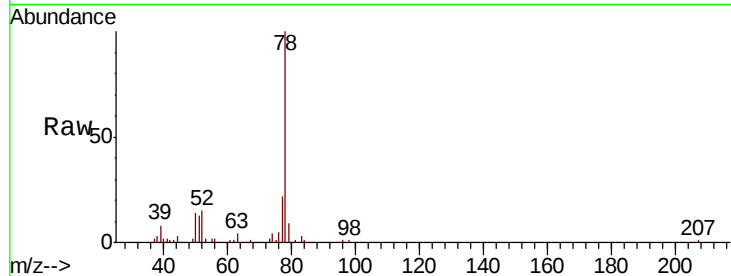




#36
Benzene
Concen: 0.308 ppbv
RT: 6.90 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VL035716.D
Acq: 23 Sep 2020 13:04

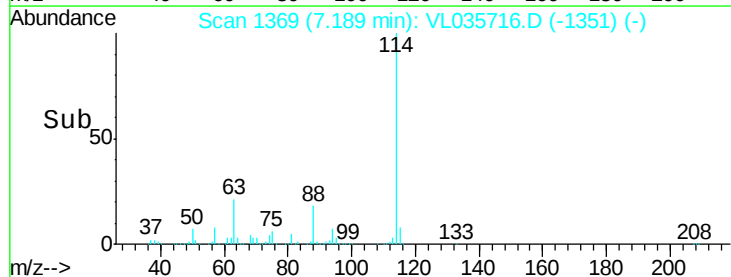
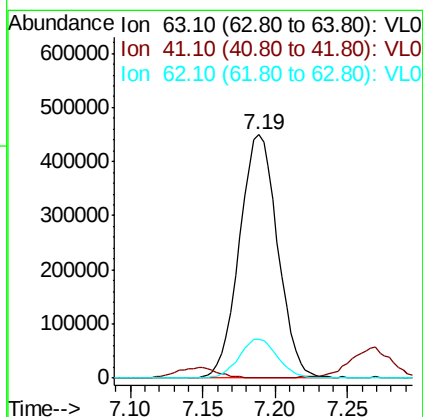
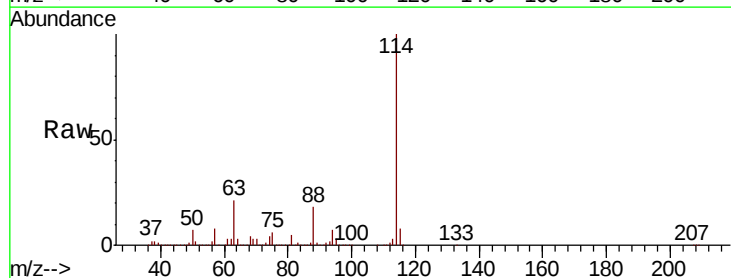
Instrument :
MSVOA_L
ClientSampleId :
B-1DUP

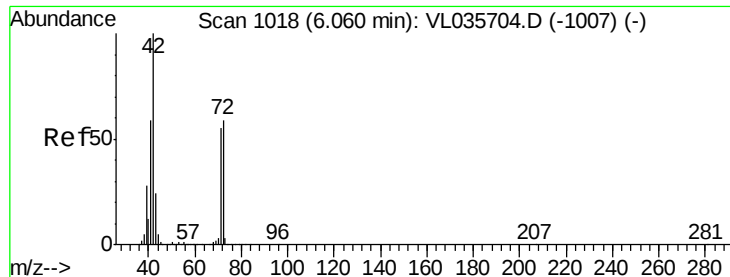
Tot Ion	78	Resp	83167
Ion Ratio	Lower	Upper	
78	100		
77	21.6	19.3	28.9
50	13.9	11.6	17.4



#39
1,2-Dichloropropane
Concen: 8.434 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. -0.44 min
Lab File: VL035716.D
Acq: 23 Sep 2020 13:04

Tgt Ion	63	Resp	825561
Ion Ratio	Lower	Upper	
63	100		
41	0.0	42.6	63.8#
62	16.1	56.5	84.7#





#41

Tetrahydrofuran

Concen: 3.272 ppbv

RT: 6.36 min Scan# 1110

Delta R.T. 0.30 min

Lab File: VL035716.D

Acq: 23 Sep 2020 13:04

Instrument :

MSVOA_L

ClientSampleId :

B-1DUP

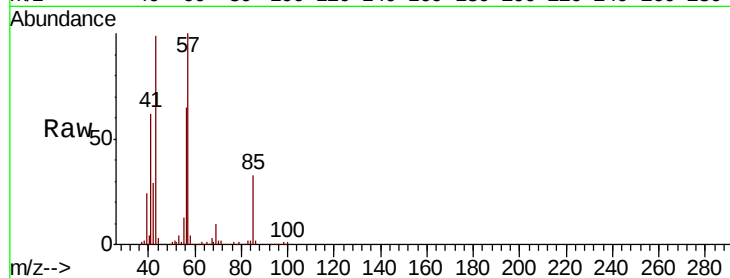
Tot Ion: 42 Resp: 225978

Ion Ratio Lower Upper

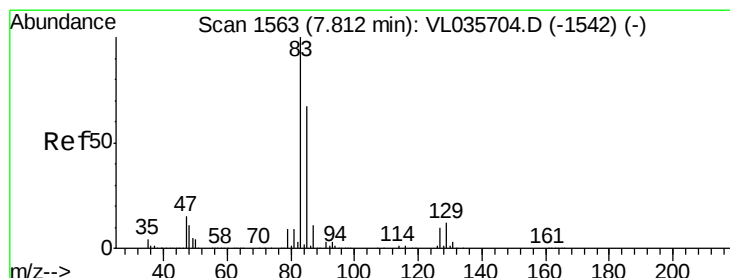
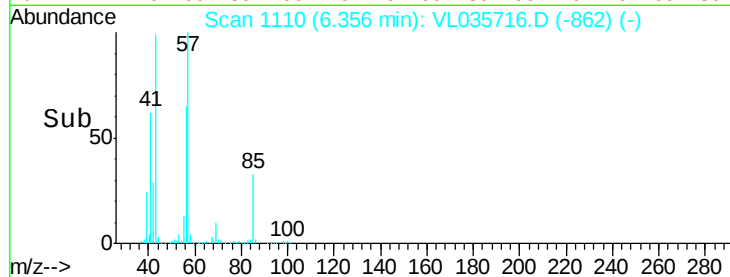
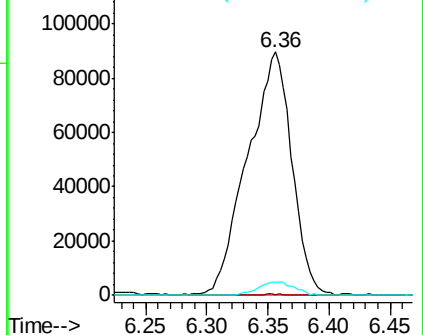
42 100

72 0.2 46.2 69.4#

71 4.6 44.2 66.4#



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



#42

Bromodichloromethane

Concen: 0.083 ppbv

RT: 7.81 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VL035716.D

Acq: 23 Sep 2020 13:04

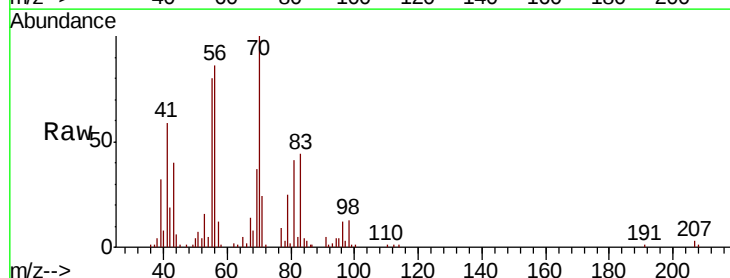
Tgt Ion: 83 Resp: 18818

Ion Ratio Lower Upper

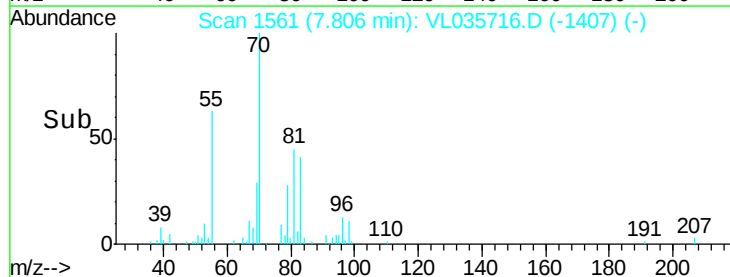
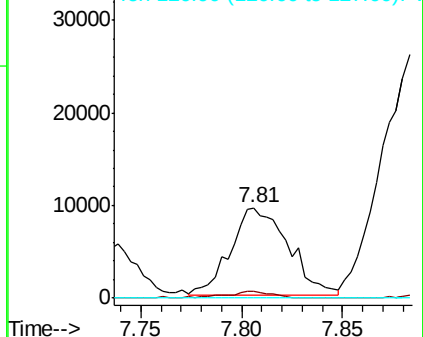
83 100

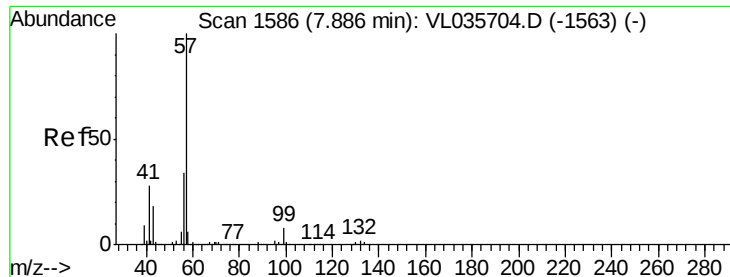
85 7.6 53.4 80.0#

127 0.0 7.8 11.6#



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V





#44

2,2,4-Trimethylpentane

Concen: 9.684 ppbv

RT: 7.89 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VL035716.D

Acq: 23 Sep 2020 13:04

Instrument :

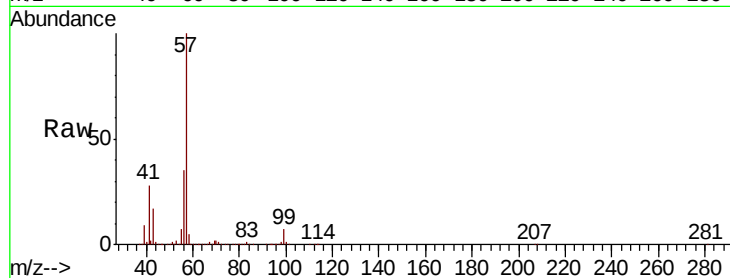
MSVOA_L

ClientSampleId :

B-1DUP

Tot Ion: 57 Resp: 3752561

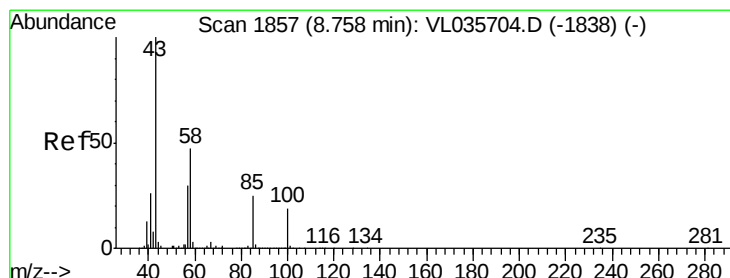
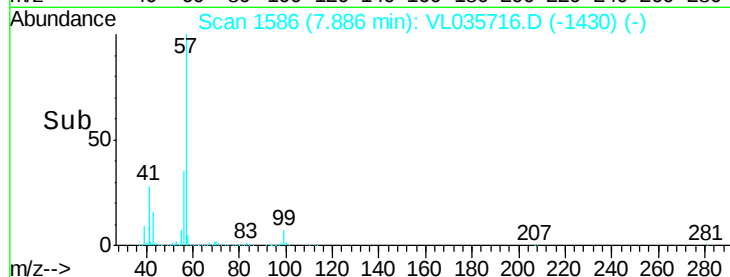
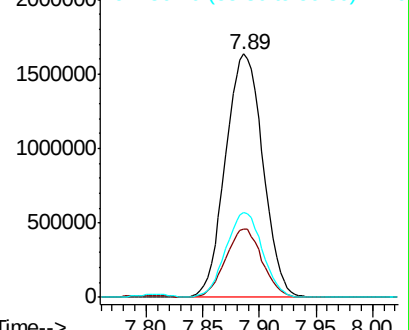
Ion	Ratio	Lower	Upper
57	100		
41	27.4	21.2	31.8
56	34.2	25.8	38.8



Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#50

4-Methyl-2-Pentanone

Concen: 0.160 ppbv

RT: 8.78 min Scan# 1864

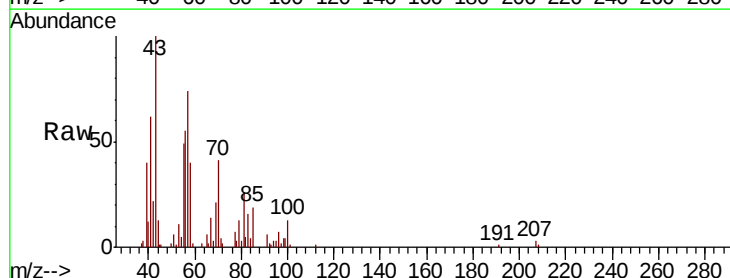
Delta R.T. 0.02 min

Lab File: VL035716.D

Acq: 23 Sep 2020 13:04

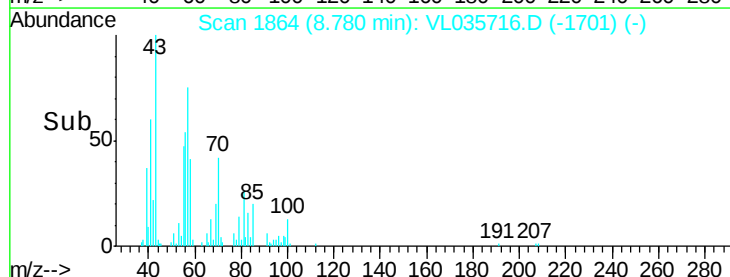
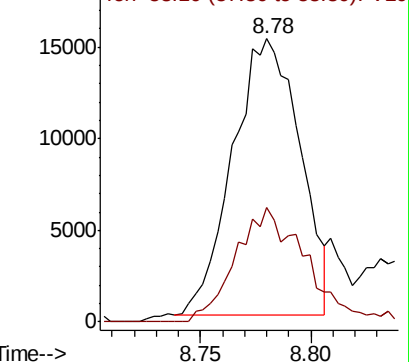
Tgt Ion: 43 Resp: 31998

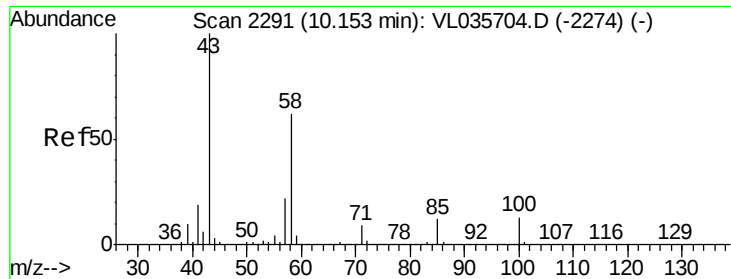
Ion	Ratio	Lower	Upper
43	100		
58	43.9	36.6	54.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

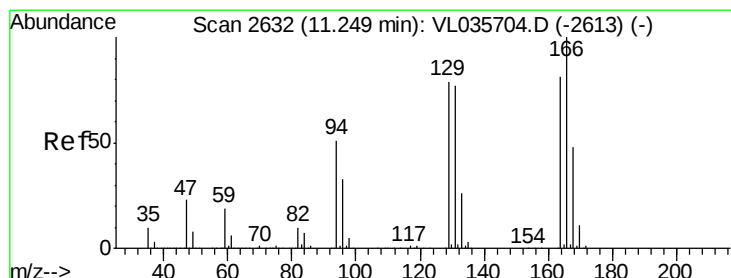
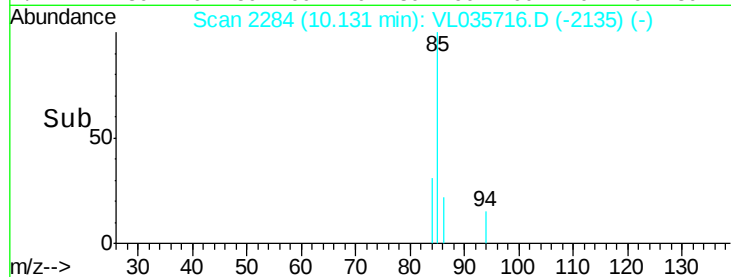
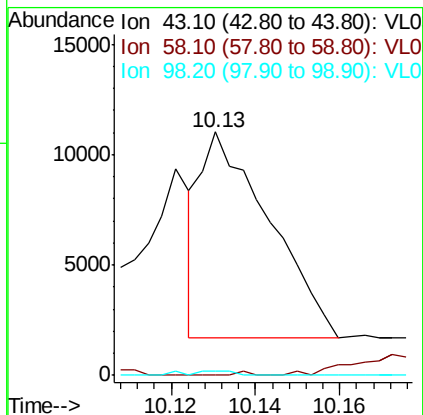
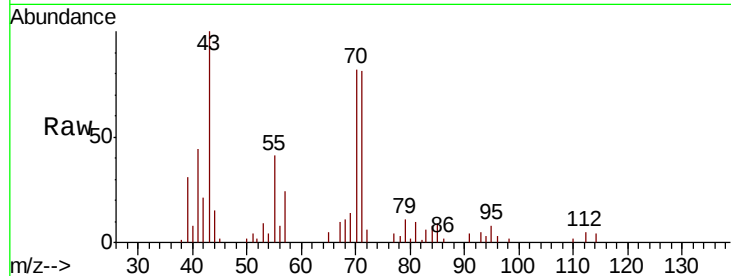




#51
2-Hexanone
Concen: 0.066 ppbv
RT: 10.13 min Scan# 2284
Delta R.T. -0.02 min
Lab File: VL035716.D
Acq: 23 Sep 2020 13:04

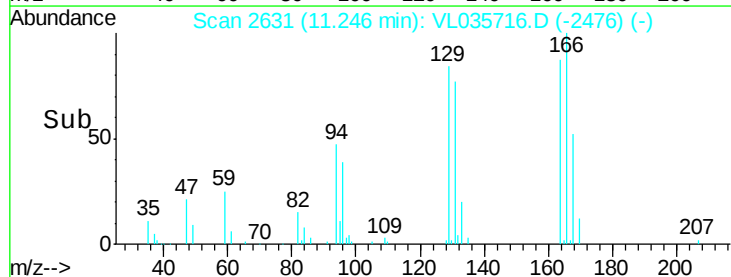
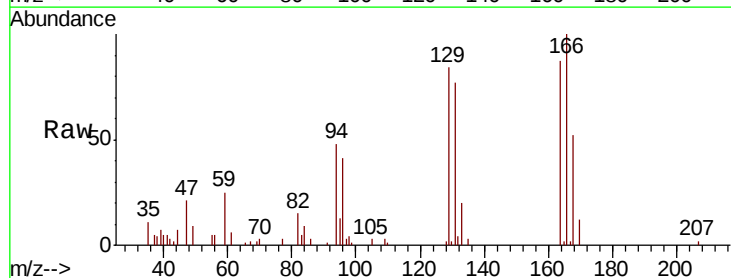
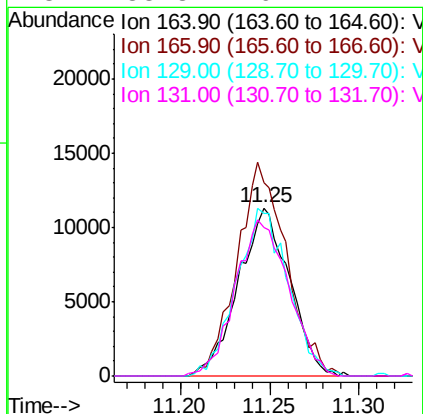
Instrument :
MSVOA_L
ClientSampled :
B-1DUP

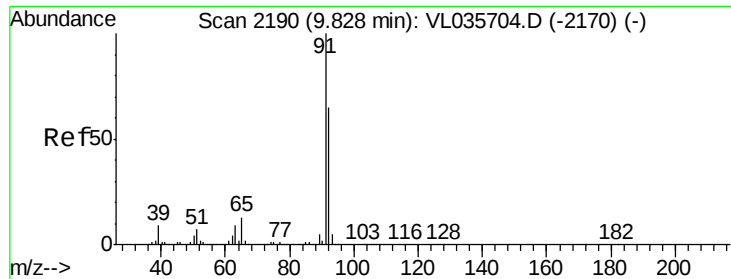
Tot Ion: 43 Resp: 10582
Ion Ratio Lower Upper
43 100
58 31.4 48.7 73.1#
98 0.0 0.7 1.1#



#52
Tetrachloroethene
Concen: 0.174 ppbv
RT: 11.25 min Scan# 2631
Delta R.T. -0.00 min
Lab File: VL035716.D
Acq: 23 Sep 2020 13:04

Tgt Ion: 164 Resp: 22597
Ion Ratio Lower Upper
164 100
166 114.7 98.7 148.1
129 96.5 78.4 117.6
131 88.3 76.2 114.2





#53

Toluene

Concen: 1.292 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. -0.00 min

Lab File: VL035716.D

Acq: 23 Sep 2020 13:04

Instrument :

MSVOA_L

ClientSampleId :

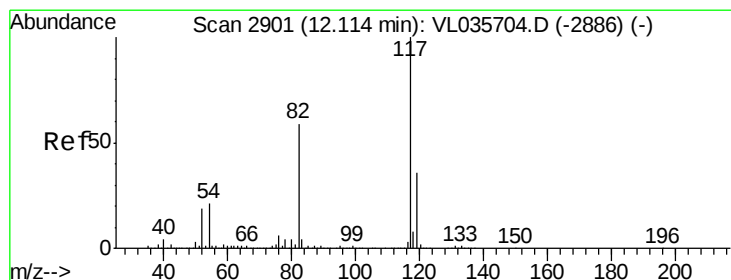
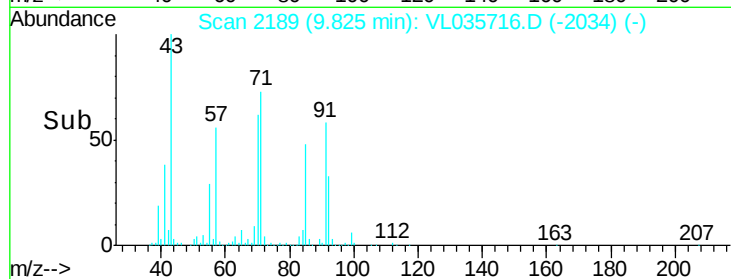
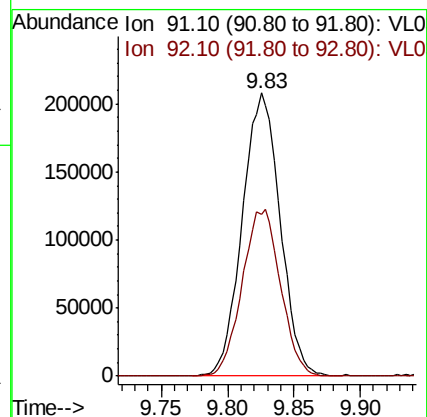
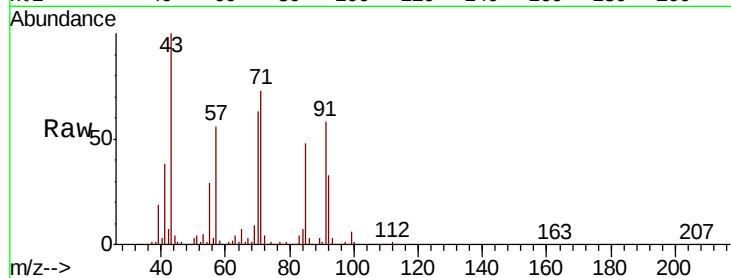
B-1DUP

Tot Ion: 91 Resp: 411346

Ion Ratio Lower Upper

91 100

92 60.1 50.0 75.0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. -0.01 min

Lab File: VL035716.D

Acq: 23 Sep 2020 13:04

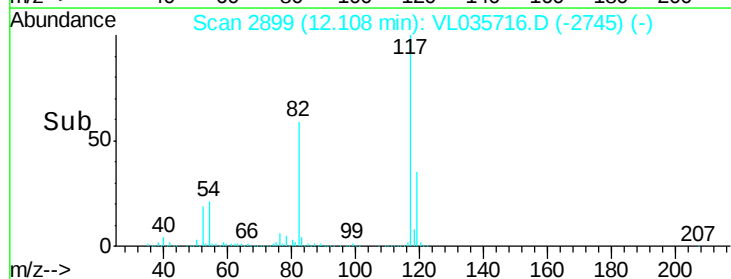
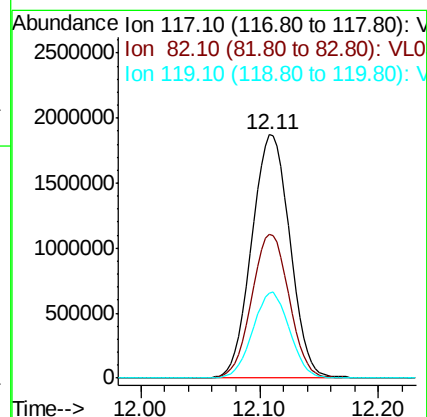
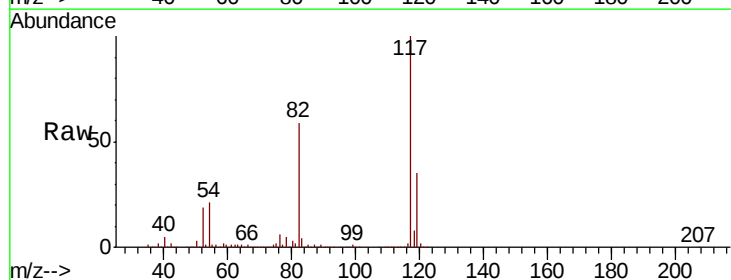
Tgt Ion: 117 Resp: 4165217

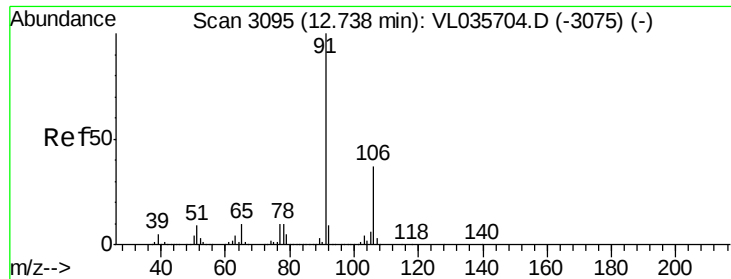
Ion Ratio Lower Upper

117 100

82 58.1 46.1 69.1

119 34.2 28.0 42.0





#58

Ethyl Benzene

Concen: 0.127 ppbv

RT: 12.73 min Scan# 3094

Delta R.T. -0.00 min

Lab File: VL035716.D

Acq: 23 Sep 2020 13:04

Instrument :

MSVOA_L

ClientSampleId :

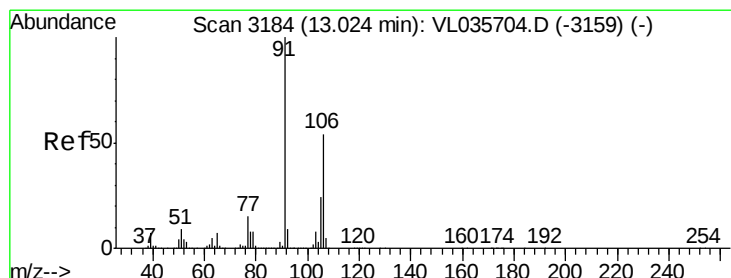
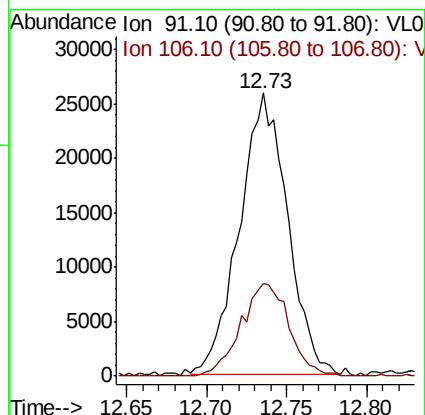
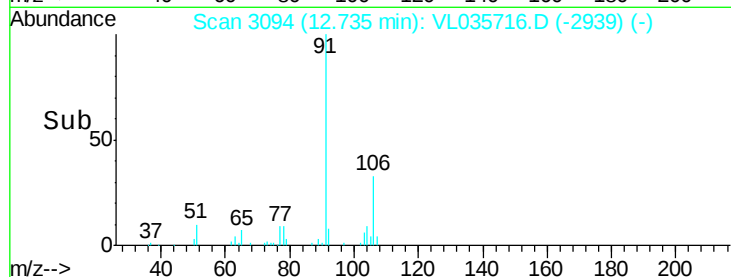
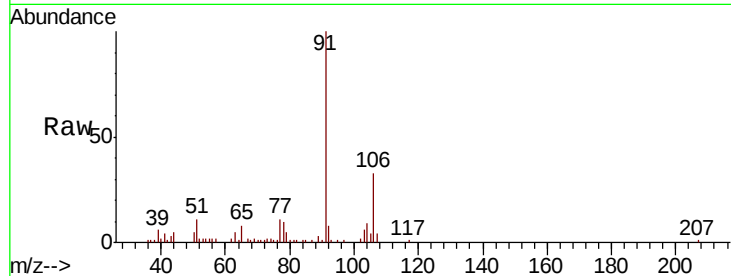
B-1DUP

Tot Ion: 91 Resp: 53120

Ion Ratio Lower Upper

91 100

106 32.9 29.7 44.5



#59

m/p-Xylene

Concen: 0.496 ppbv

RT: 13.00 min Scan# 3175

Delta R.T. -0.03 min

Lab File: VL035716.D

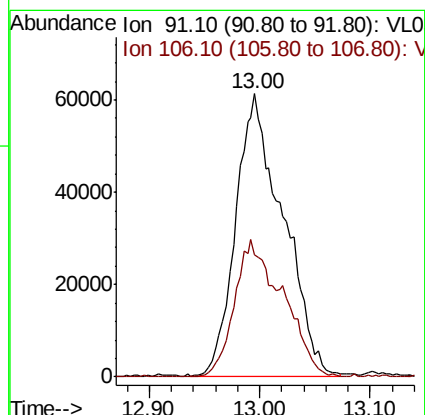
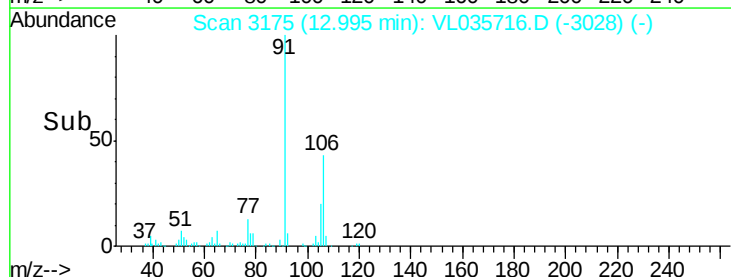
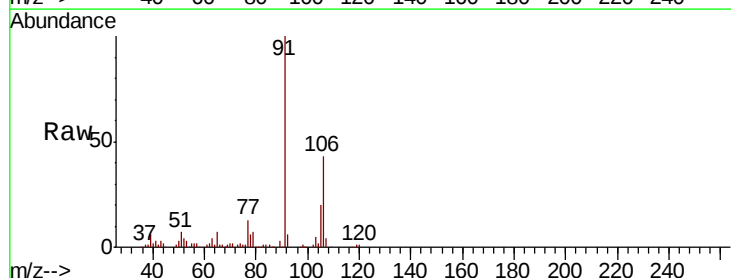
Acq: 23 Sep 2020 13:04

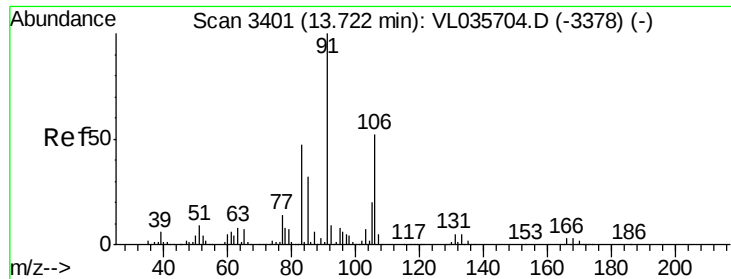
Tgt Ion: 91 Resp: 180939

Ion Ratio Lower Upper

91 100

106 49.7 41.4 62.0

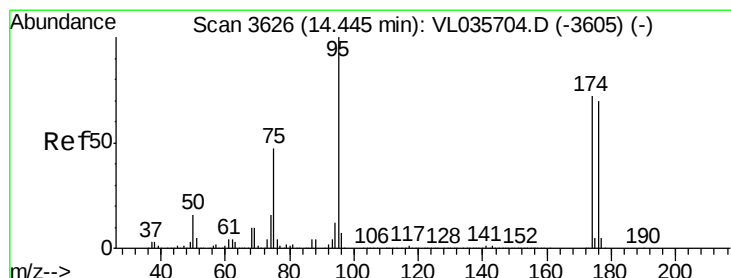
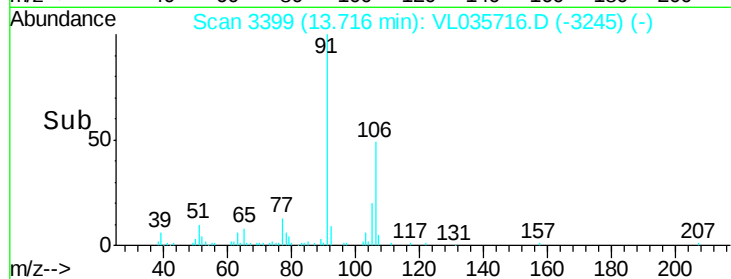
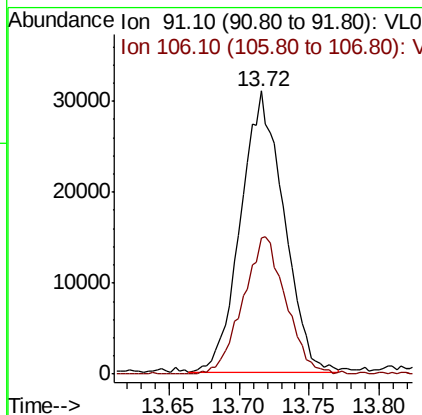
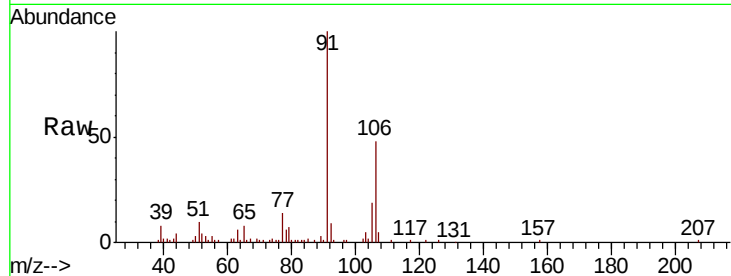




#60
o-Xylene
Concen: 0.179 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. -0.01 min
Lab File: VL035716.D
Acq: 23 Sep 2020 13:04

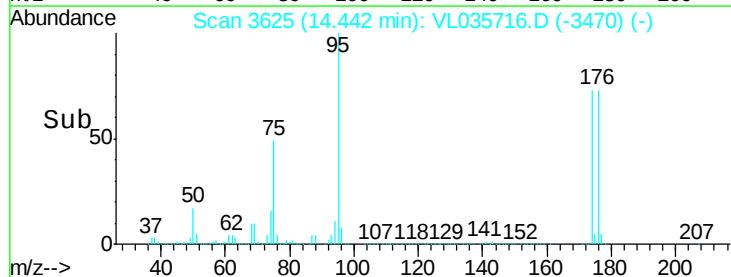
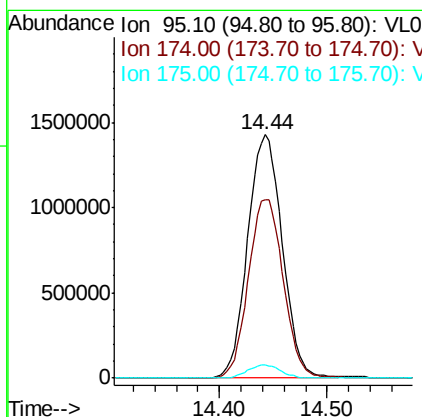
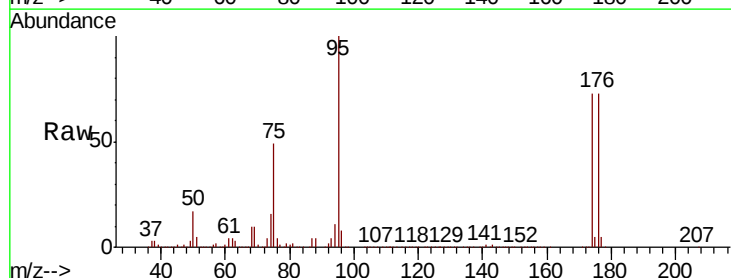
Instrument :
MSVOA_L
ClientSampleId :
B-1DUP

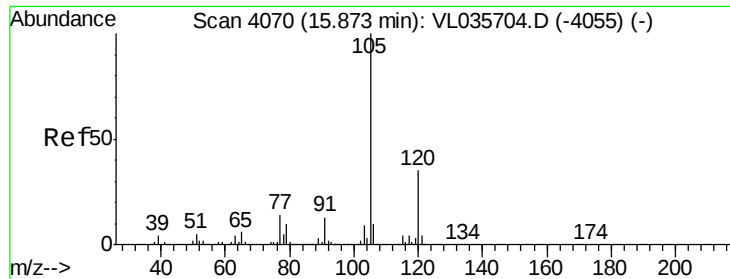
Tot Ion: 91 Resp: 66036
Ion Ratio Lower Upper
91 100
106 48.7 25.0 75.0



#68
1-Bromo-4-Fluorobenzene
Concen: 10.194 ppbv
RT: 14.44 min Scan# 3625
Delta R.T. -0.00 min
Lab File: VL035716.D
Acq: 23 Sep 2020 13:04

Tgt Ion: 95 Resp: 3181758
Ion Ratio Lower Upper
95 100
174 74.9 59.6 89.4
175 5.3 4.2 6.4





#72

4-Ethyltoluene

Concen: 0.103 ppbv

RT: 15.87 min Scan# 4069

Delta R.T. -0.00 min

Lab File: VL035716.D

Acq: 23 Sep 2020 13:04

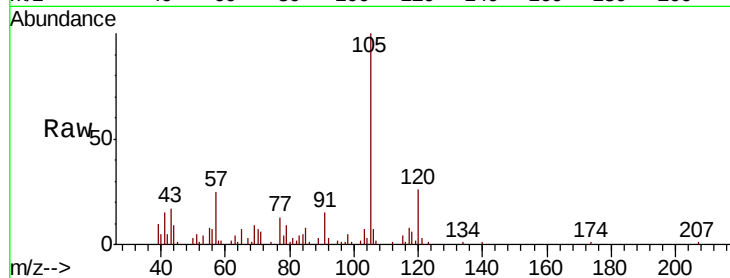
Instrument :

MSVOA_L

ClientSampleID :

B-1DUP

Tot Ion:	105	Resp:	45203
Ion	Ratio	Lower	Upper
105	100		
120	30.6	26.5	39.7
91	15.2	10.2	15.2
77	15.2	10.3	15.5

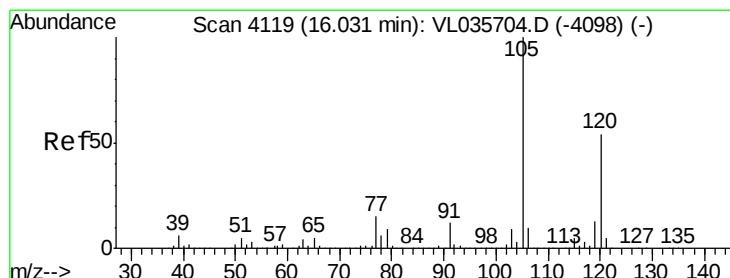
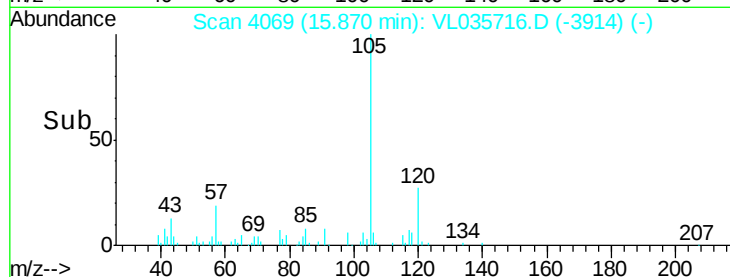
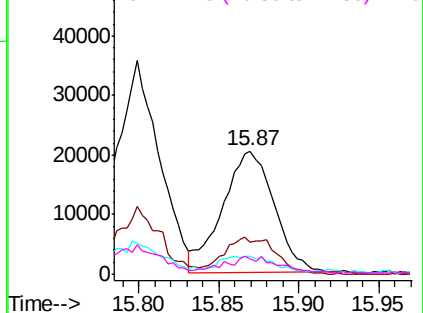


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.039 ppbv

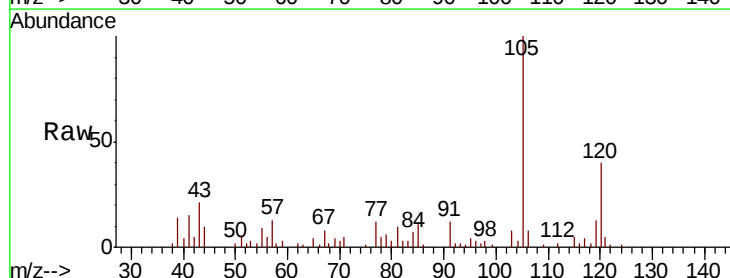
RT: 16.02 min Scan# 4116

Delta R.T. -0.01 min

Lab File: VL035716.D

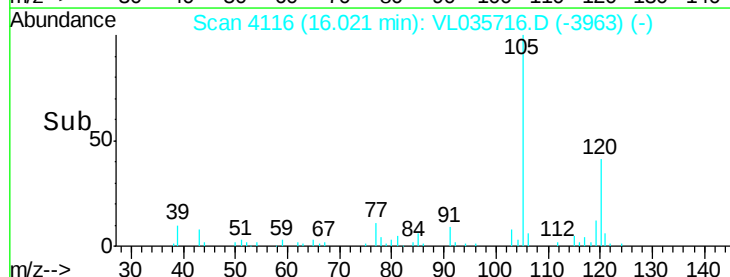
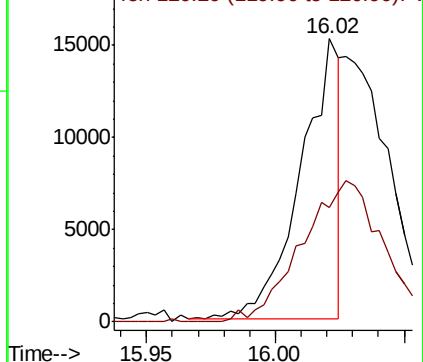
Acq: 23 Sep 2020 13:04

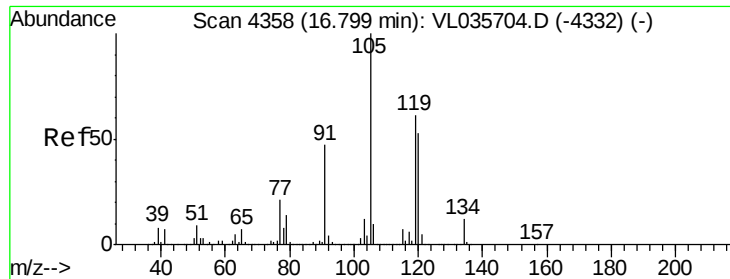
Tgt Ion:	105	Resp:	15925
Ion	Ratio	Lower	Upper
105	100		
120	40.8	43.0	64.4#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

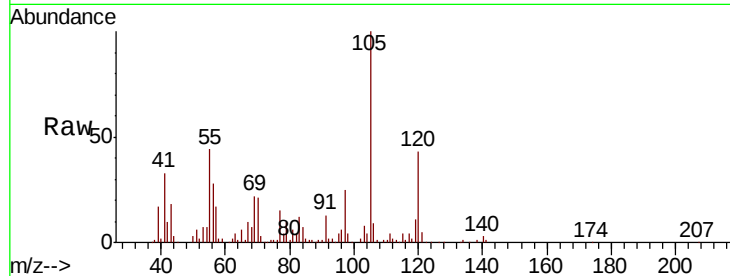




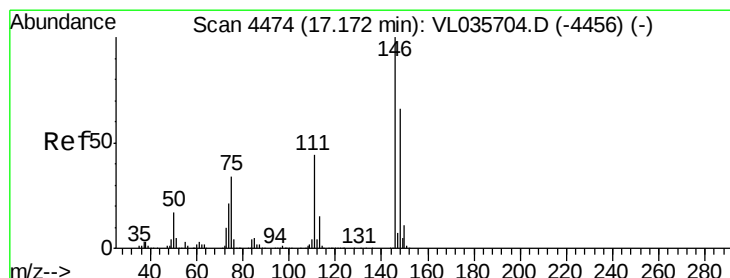
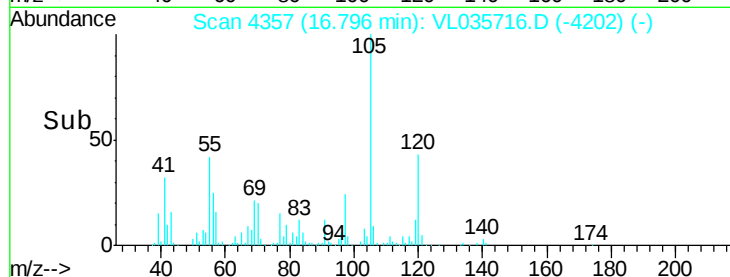
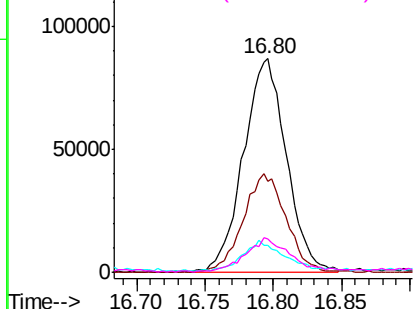
#74
 1,2,4-Trimethylbenzene
 Concen: 0.405 ppbv
 RT: 16.80 min Scan# 4357
 Delta R.T. -0.00 min
 Lab File: VL035716.D
 Acq: 23 Sep 2020 13:04

Instrument :
 MSVOA_L
 ClientSampleId :
 B-1DUP

Tot Ion:	105	Resp:	188756
Ion	Ratio	Lower	Upper
105	100		
120	42.7	42.5	63.7
91	11.8	37.7	56.5#
77	14.9	16.7	25.1#

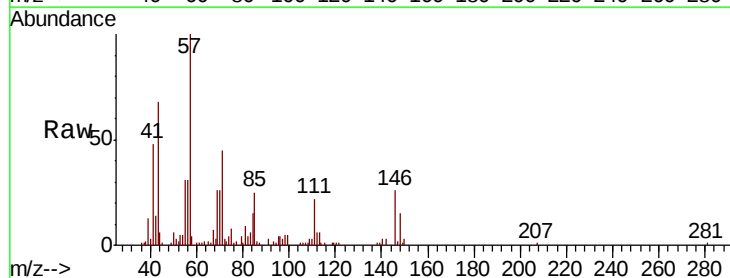


Abundance Ion 105.10 (104.80 to 105.80): V
 Ion 120.20 (119.90 to 120.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 77.10 (76.80 to 77.80): VL0

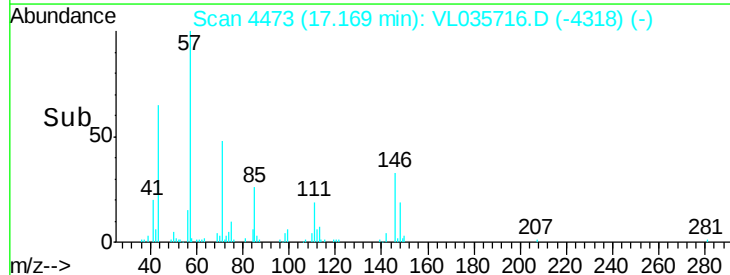
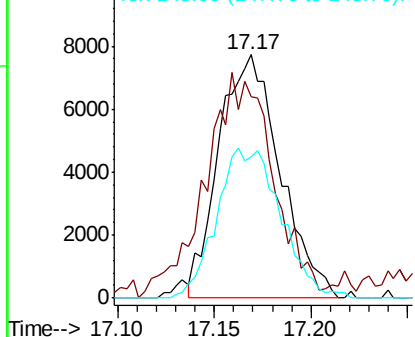


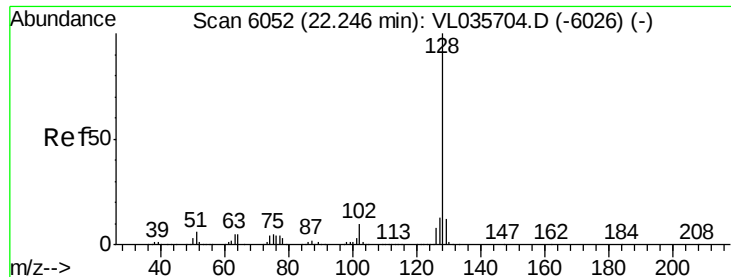
#76
 1,4-Dichlorobenzene
 Concen: 0.056 ppbv
 RT: 17.17 min Scan# 4473
 Delta R.T. -0.00 min
 Lab File: VL035716.D
 Acq: 23 Sep 2020 13:04

Tgt Ion:	146	Resp:	17101
Ion	Ratio	Lower	Upper
146	100		
111	108.5	21.4	64.3#
148	63.9	32.6	98.0



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





#79

Naphthalene

Concen: 1.850 ppbv

RT: 22.24 min Scan# 6050

Delta R.T. -0.01 min

Lab File: VL035716.D

Acq: 23 Sep 2020 13:04

Instrument :

MSVOA_L

ClientSampleId :

B-1DUP

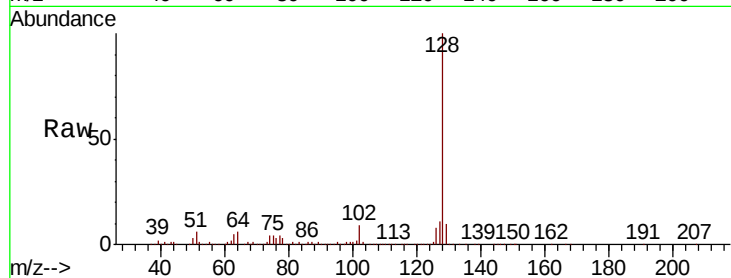
Tot Ion:128 Resp: 822409

Ion Ratio Lower Upper

128 100

127 11.4 10.6 15.8

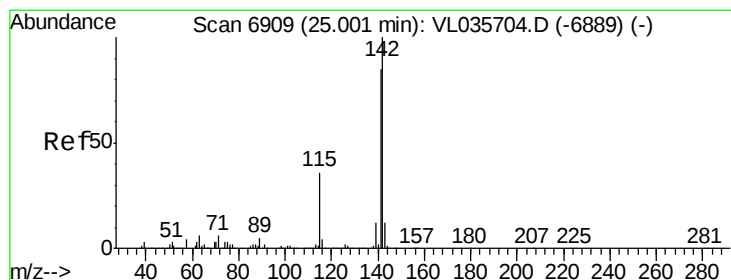
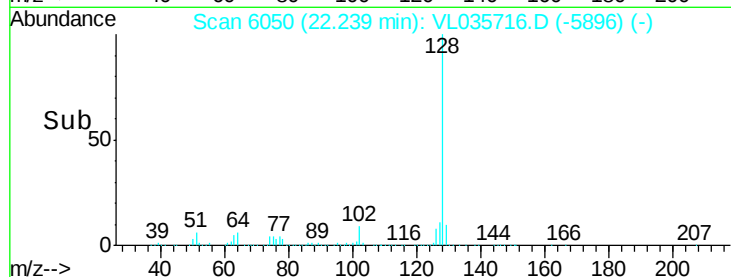
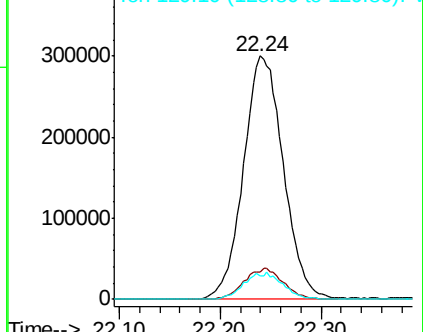
129 9.9 9.4 14.0



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.162 ppbv

RT: 25.00 min Scan# 6909

Delta R.T. 0.00 min

Lab File: VL035716.D

Acq: 23 Sep 2020 13:04

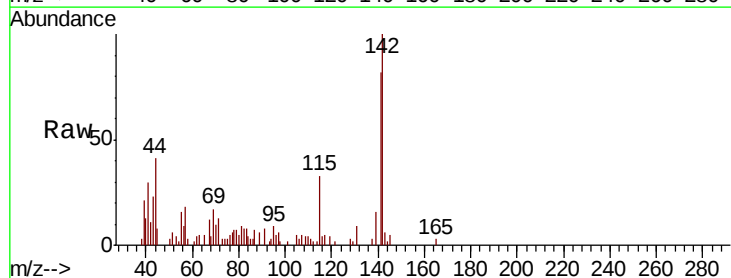
Tgt Ion:142 Resp: 16935

Ion Ratio Lower Upper

142 100

141 91.3 68.2 102.4

115 48.5 27.8 41.6#



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

