

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110520\
 Data File : VL035877.D
 Acq On : 6 Nov 2020 2:28
 Operator : SY/AP
 Sample : L4618-03DUP
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2DUP

Quant Time: Nov 06 05:51:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1081611	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	4015194	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	3705142	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2672814	10.15	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.50%

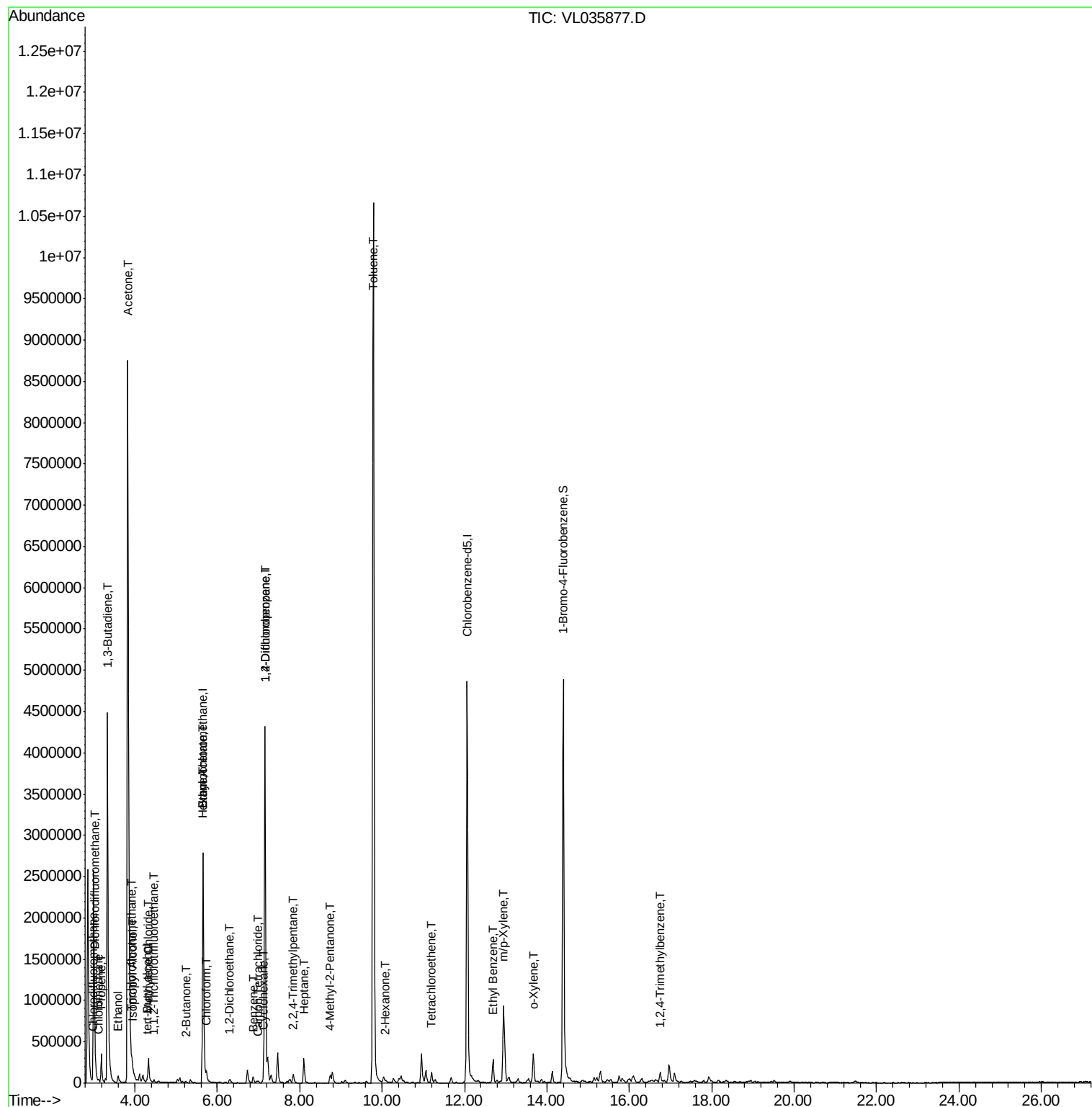
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	52015	0.255	ppbv	98
3) Chlorodifluoromethane	2.97	51	46515	0.359	ppbv #	89
4) Chloromethane	3.12	50	30095	0.478	ppbv	96
9) Propene	3.19	41	121365	2.560	ppbv	92
10) Heptane	8.10	43	104383	0.797	ppbv	98
11) Trichlorofluoromethane	3.93	101	60663	0.237	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.47	101	13469	0.071	ppbv	95
13) Ethanol	3.59	45	81887	7.962	ppbv #	35
15) Acetone	3.83	43	12426467	107.464	ppbv #	82
16) 1,3-Butadiene	3.34	39	748257	15.030	ppbv #	1
17) tert-Butyl alcohol	4.29	59	5847	0.038	ppbv #	1
19) Isopropyl Alcohol	3.95	45	13154	0.185	ppbv #	90
20) Methylene Chloride	4.33	84	152003	1.867	ppbv	99
25) Ethyl Acetate	5.66	43	101457	0.445	ppbv #	77
26) Hexane	5.66	57	157491	1.254	ppbv #	46
29) Chloroform	5.74	83	76522	0.310	ppbv	94
30) Cyclohexane	7.11	84	4201	0.031	ppbv #	1
34) 2-Butanone	5.23	43	19482	0.150	ppbv #	86
35) Carbon Tetrachloride	7.00	117	13050	0.061	ppbv	95
36) Benzene	6.87	78	70105	0.235	ppbv	98
37) 1,2-Dichloroethane	6.29	62	4601	0.034	ppbv	100
39) 1,2-Dichloropropane	7.16	63	810622	8.066	ppbv #	30
44) 2,2,4-Trimethylpentane	7.84	57	72699	0.184	ppbv #	69
50) 4-Methyl-2-Pentanone	8.73	43	33043	0.166	ppbv #	31
51) 2-Hexanone	10.09	43	8404	0.053	ppbv #	23
52) Tetrachloroethene	11.20	164	16309	0.115	ppbv	95
53) Toluene	9.79	91	10084245	27.998	ppbv	90
58) Ethyl Benzene	12.69	91	261535	0.580	ppbv	90
59) m/p-Xylene	12.95	91	1032734	2.705	ppbv	99
60) o-Xylene	13.67	91	282986	0.762	ppbv	98
74) 1,2,4-Trimethylbenzene	16.74	105	75875	0.172	ppbv #	68

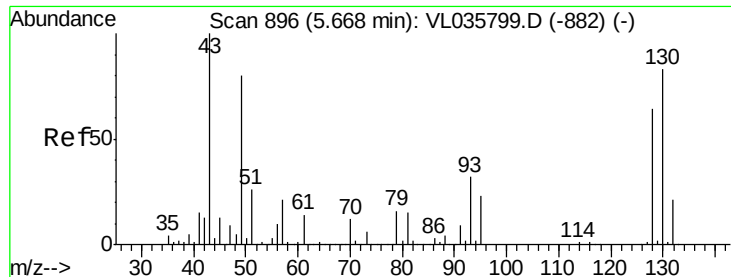
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.02 min

Lab File: VL035877.D

Acq: 6 Nov 2020 2:28

Instrument :

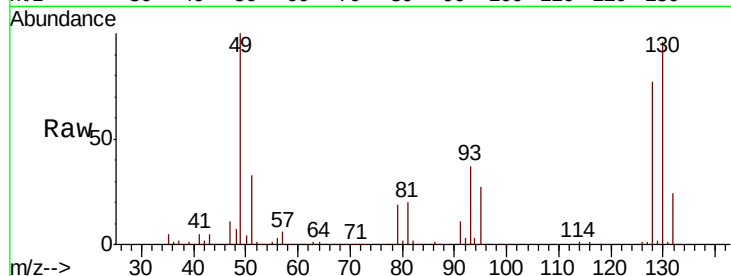
MSVOA_L

ClientSampleId :

IA-2DUP

Tot Ion: 49 Resp: 1081611

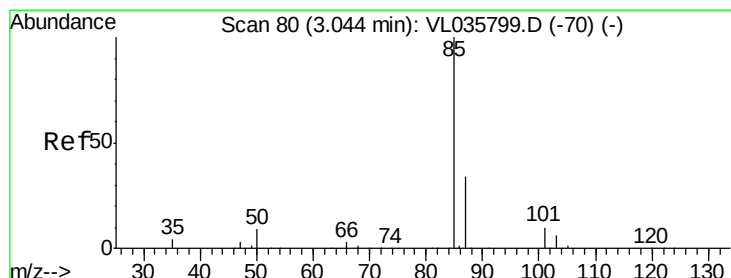
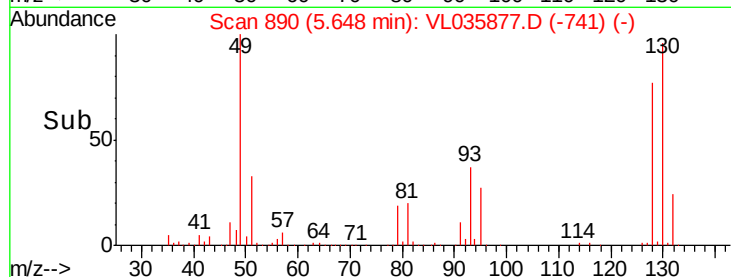
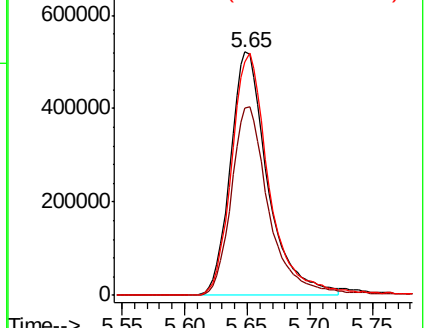
Ion	Ratio	Lower	Upper
49	100		
128	79.1	41.5	124.6
130	101.7	53.7	161.1



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: 0.255 ppbv

RT: 3.03 min Scan# 75

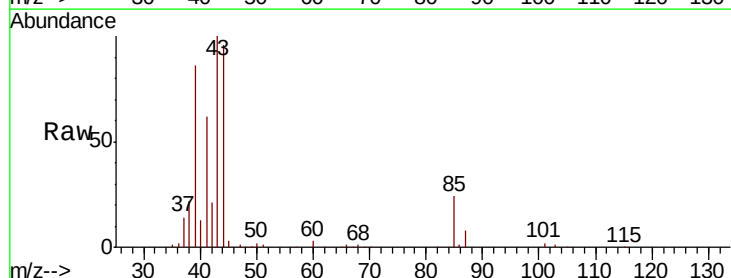
Delta R.T. -0.02 min

Lab File: VL035877.D

Acq: 6 Nov 2020 2:28

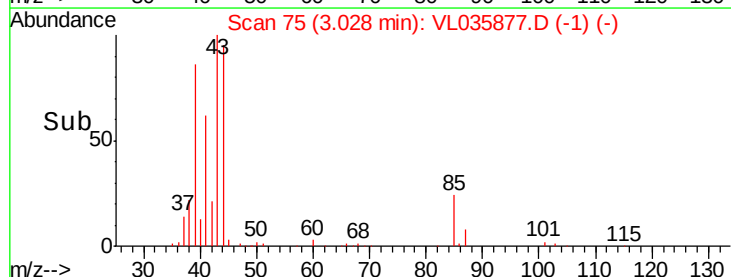
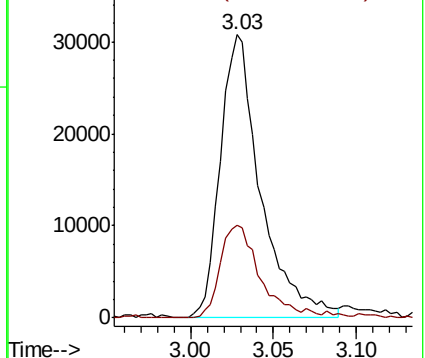
Tgt Ion: 85 Resp: 52015

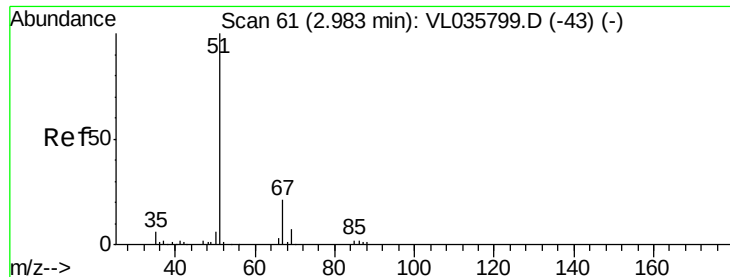
Ion	Ratio	Lower	Upper
85	100		
87	32.7	27.1	40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.359 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.02 min

Lab File: VL035877.D

Acq: 6 Nov 2020 2:28

Instrument :

MSVOA_L

ClientSampleId :

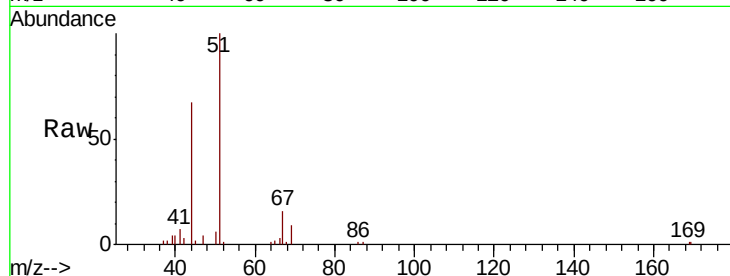
IA-2DUP

Tot Ion: 51 Resp: 46515

Ion Ratio Lower Upper

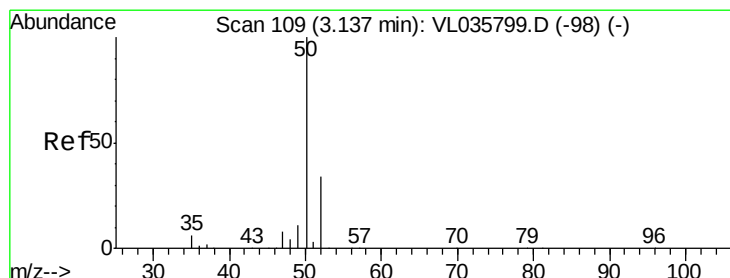
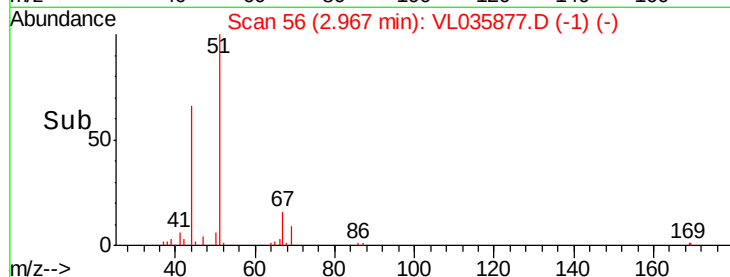
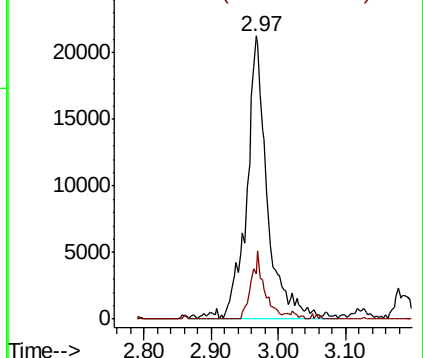
51 100

67 16.2 17.0 25.4#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.478 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.01 min

Lab File: VL035877.D

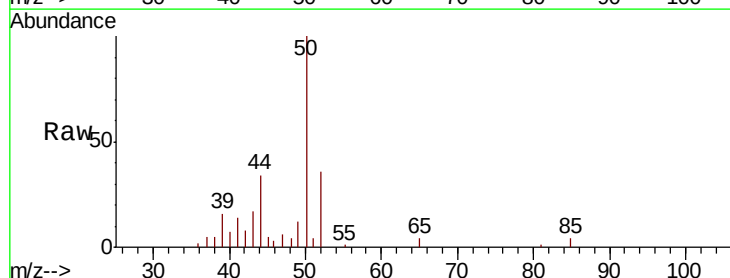
Acq: 6 Nov 2020 2:28

Tgt Ion: 50 Resp: 30095

Ion Ratio Lower Upper

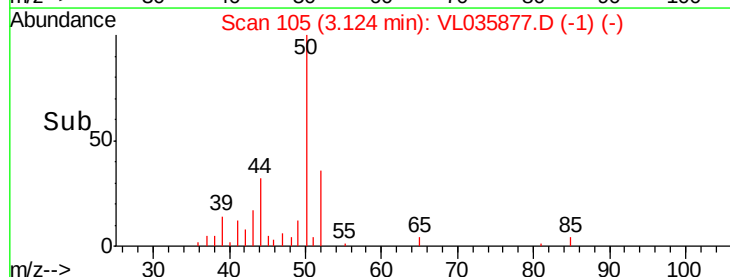
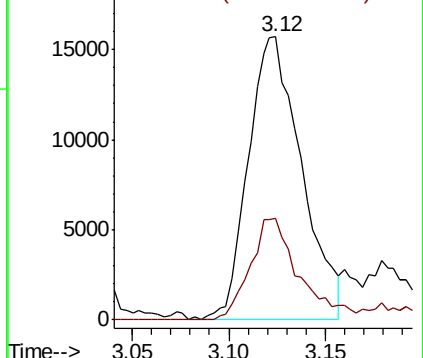
50 100

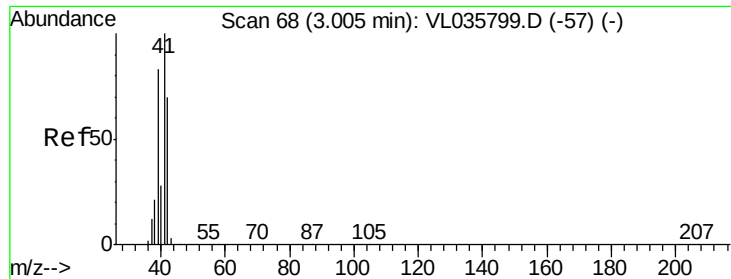
52 36.0 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 2.560 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.18 min

Lab File: VL035877.D

Acq: 6 Nov 2020 2:28

Instrument :

MSVOA_L

ClientSampleId :

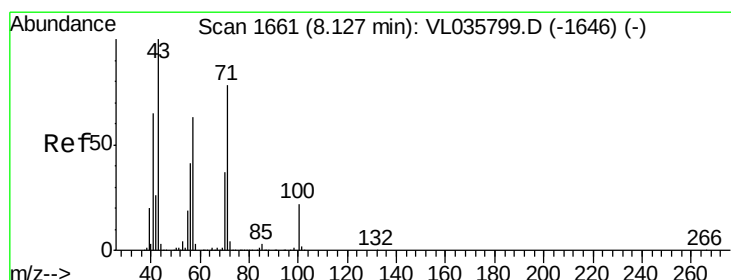
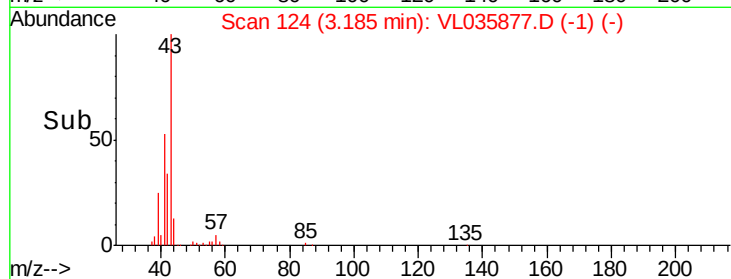
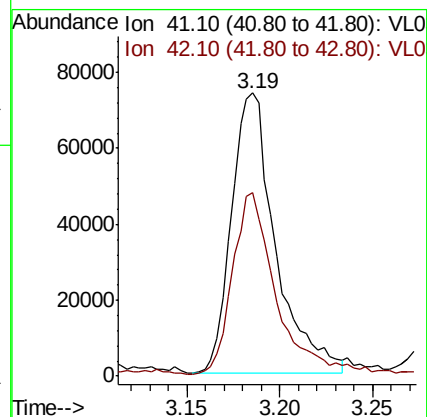
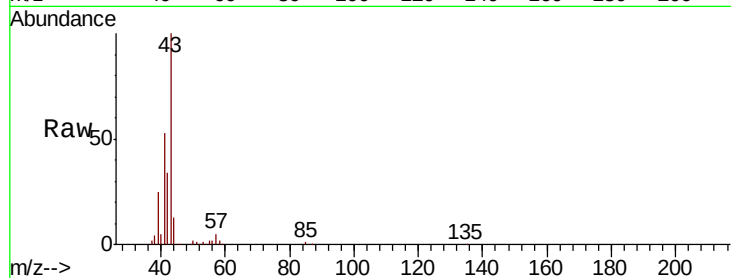
IA-2DUP

Tot Ion: 41 Resp: 121365

Ion Ratio Lower Upper

41 100

42 63.5 56.2 84.4



#10

Heptane

Concen: 0.797 ppbv

RT: 8.10 min Scan# 1653

Delta R.T. -0.03 min

Lab File: VL035877.D

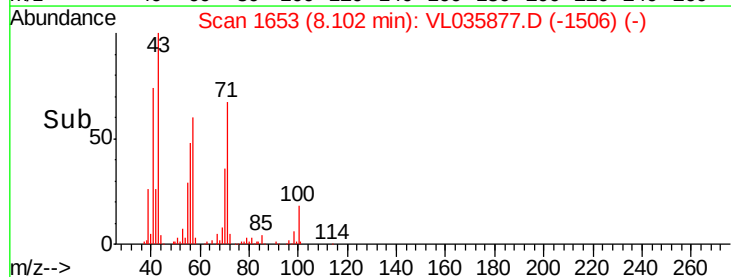
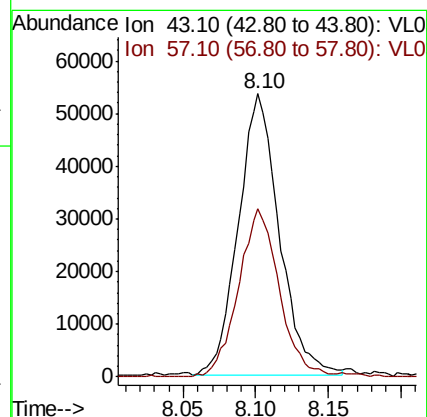
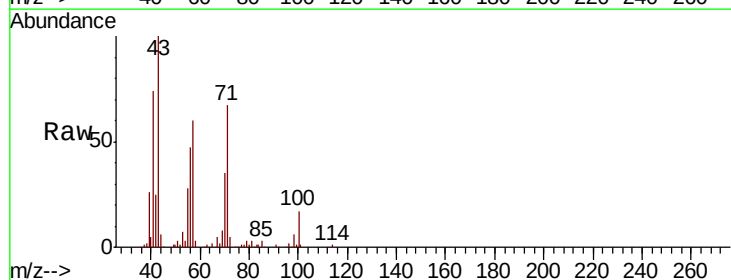
Acq: 6 Nov 2020 2:28

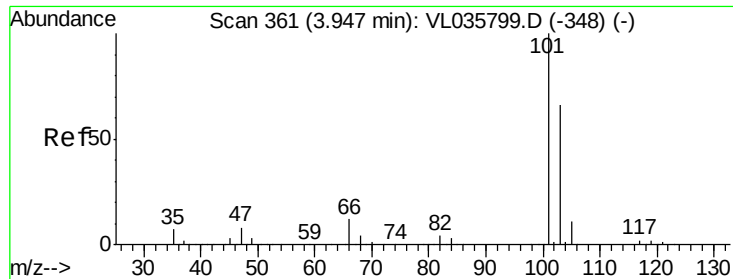
Tgt Ion: 43 Resp: 104383

Ion Ratio Lower Upper

43 100

57 60.8 50.0 75.0





#11

Trichlorofluoromethane

Concen: 0.237 ppbv

RT: 3.93 min Scan# 355

Delta R.T. -0.02 min

Lab File: VL035877.D

Acq: 6 Nov 2020 2:28

Instrument :

MSVOA_L

ClientSampleId :

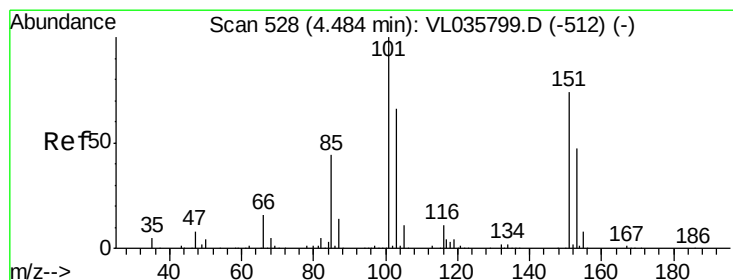
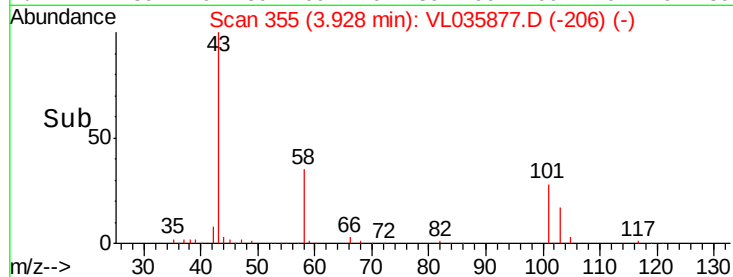
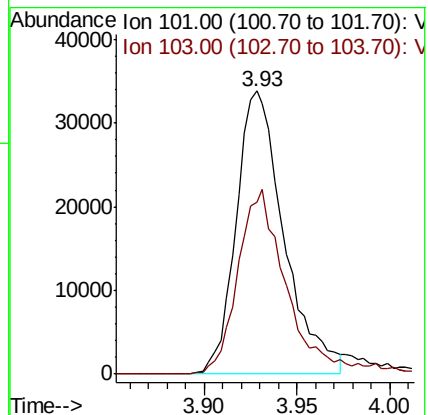
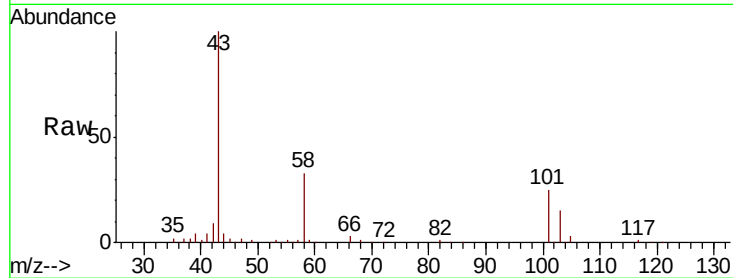
IA-2DUP

Tot Ion:101 Resp: 60663

Ion Ratio Lower Upper

101 100

103 60.8 53.0 79.4



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.071 ppbv

RT: 4.47 min Scan# 523

Delta R.T. -0.02 min

Lab File: VL035877.D

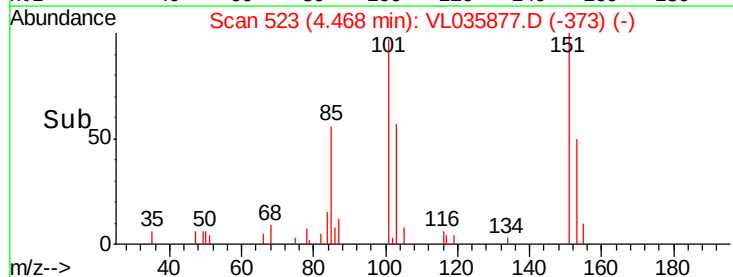
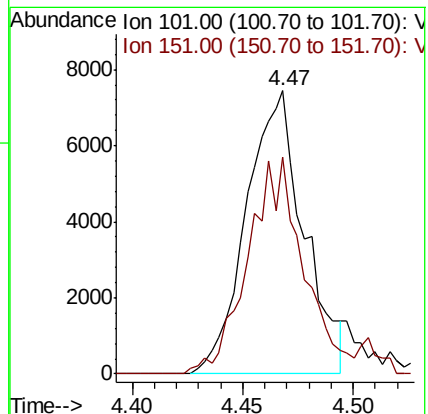
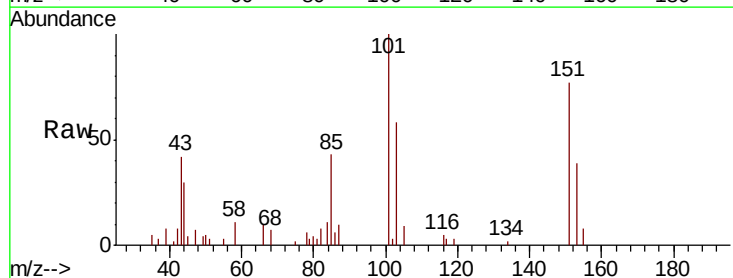
Acq: 6 Nov 2020 2:28

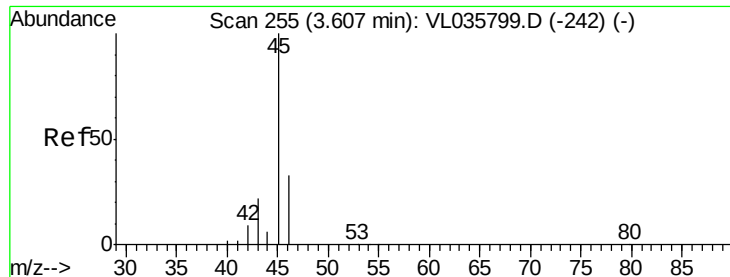
Tgt Ion:101 Resp: 13469

Ion Ratio Lower Upper

101 100

151 78.0 58.9 88.3





#13

Ethanol

Concen: 7.962 ppbv

RT: 3.59 min Scan# 251

Delta R.T. -0.01 min

Lab File: VL035877.D

Acq: 6 Nov 2020 2:28

Instrument :

MSVOA_L

ClientSampleId :

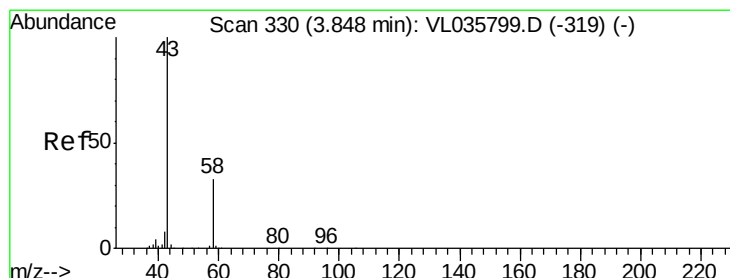
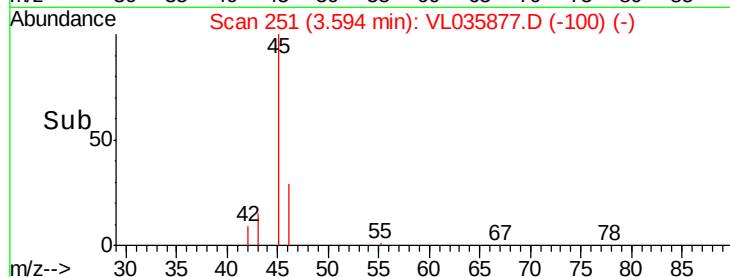
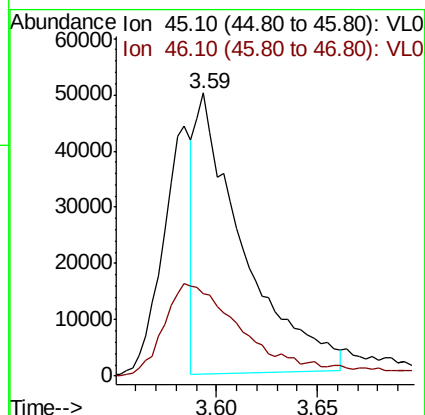
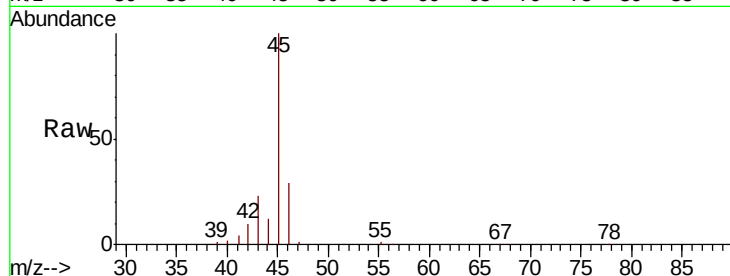
IA-2DUP

Tot Ion: 45 Resp: 81887

Ion Ratio Lower Upper

45 100

46 0.0 16.1 64.5#



#15

Acetone

Concen: 107.464 ppbv

RT: 3.83 min Scan# 323

Delta R.T. -0.02 min

Lab File: VL035877.D

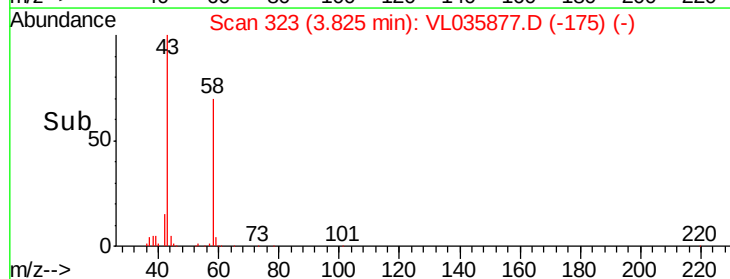
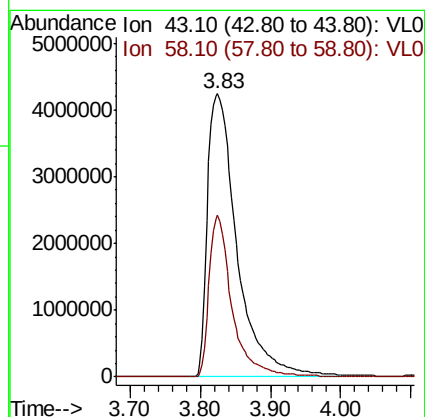
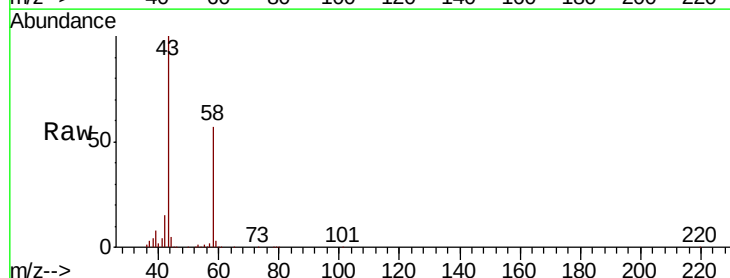
Acq: 6 Nov 2020 2:28

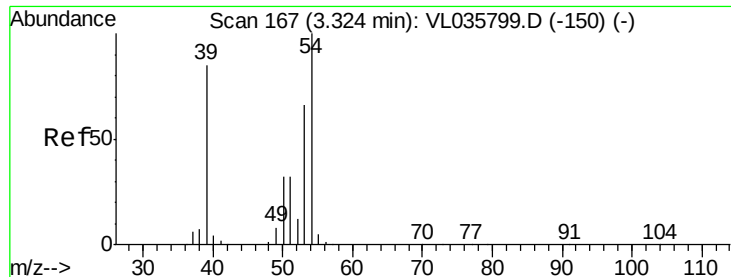
Tgt Ion: 43 Resp:12426467

Ion Ratio Lower Upper

43 100

58 44.8 27.5 41.3#

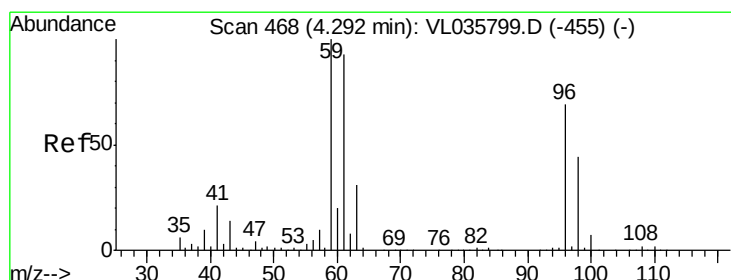
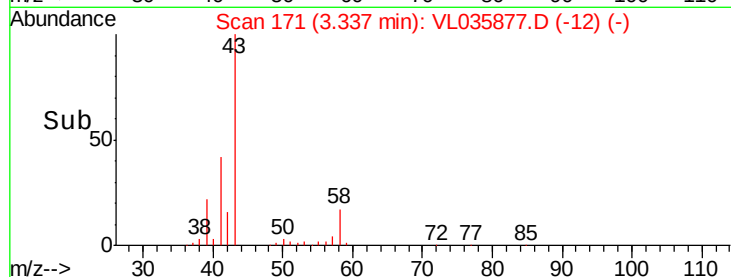
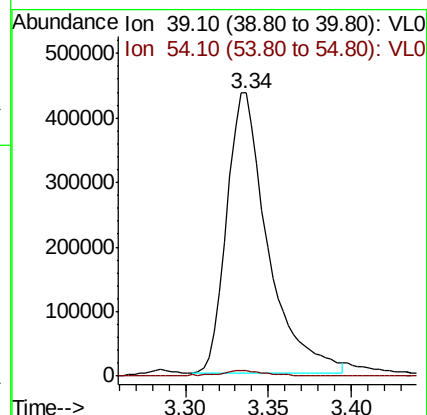
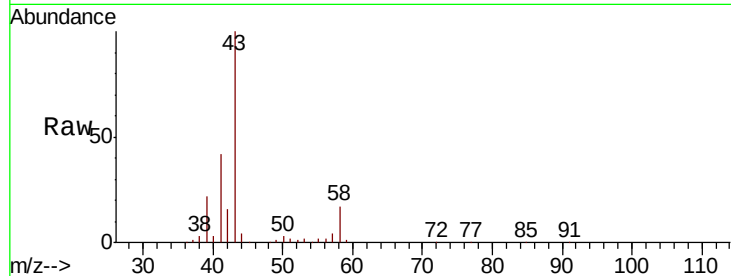




#16
 1,3-Butadiene
 Concen: 15.030 ppbv
 RT: 3.34 min Scan# 171
 Delta R.T. 0.01 min
 Lab File: VL035877.D
 Acq: 6 Nov 2020 2:28

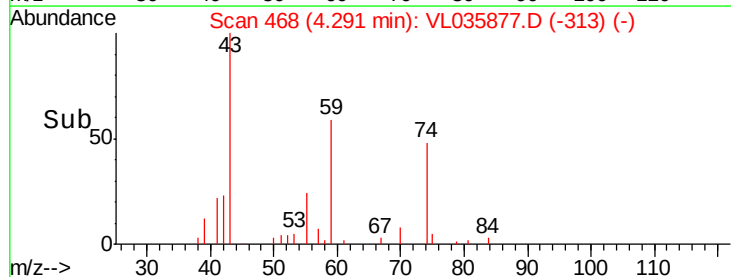
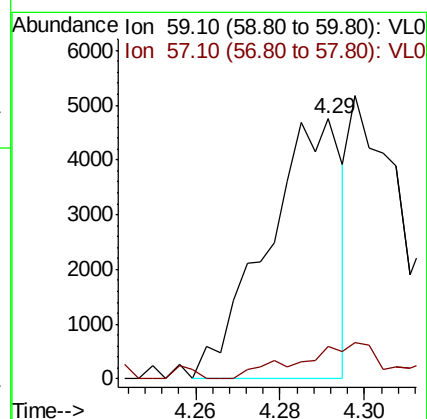
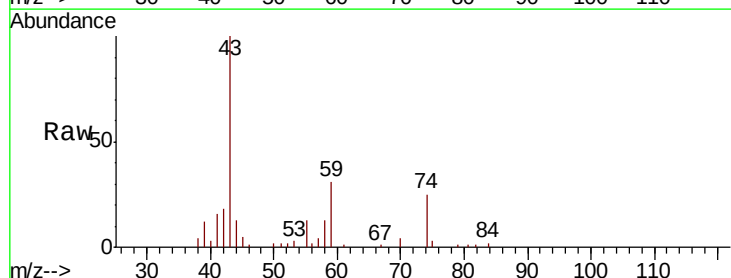
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2DUP

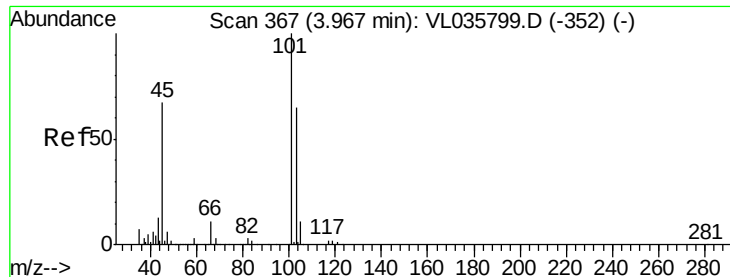
Tot Ion: 39 Resp: 748257
 Ion Ratio Lower Upper
 39 100
 54 2.9 87.1 130.7#



#17
 tert-Butyl alcohol
 Concen: 0.038 ppbv
 RT: 4.29 min Scan# 468
 Delta R.T. -0.00 min
 Lab File: VL035877.D
 Acq: 6 Nov 2020 2:28

Tgt Ion: 59 Resp: 5847
 Ion Ratio Lower Upper
 59 100
 57 180.5 8.2 12.4#





#19

Isopropyl Alcohol

Concen: 0.185 ppbv

RT: 3.95 min Scan# 362

Delta R.T. -0.02 min

Lab File: VL035877.D

Acq: 6 Nov 2020 2:28

Instrument :

MSVOA_L

ClientSampleId :

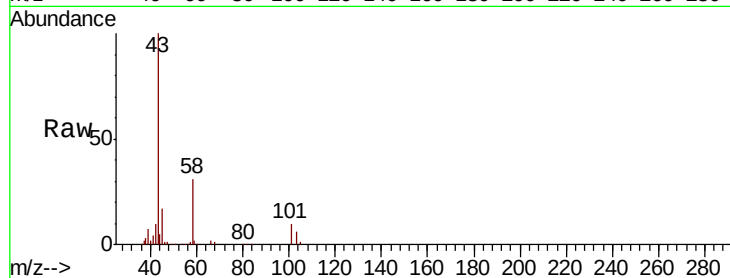
IA-2DUP

Tot Ion: 45 Resp: 13154

Ion Ratio Lower Upper

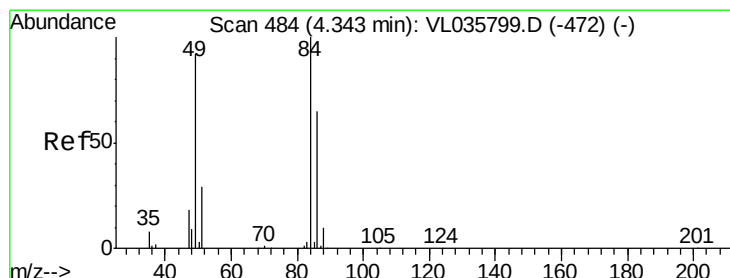
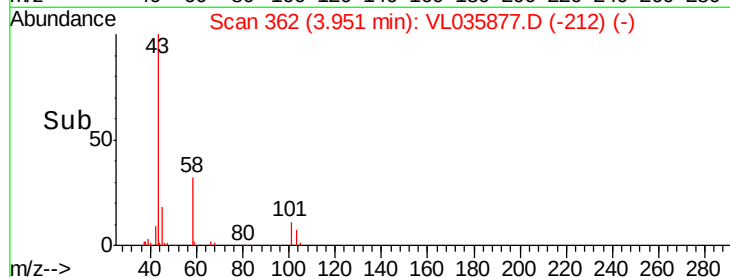
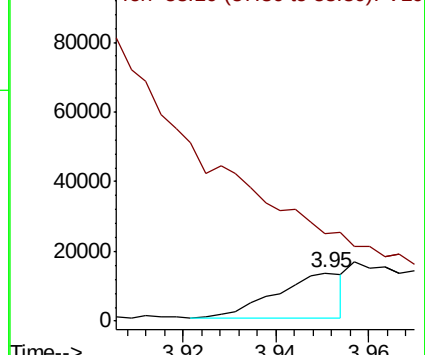
45 100

58 0.0 2.6 3.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 1.867 ppbv

RT: 4.33 min Scan# 479

Delta R.T. -0.02 min

Lab File: VL035877.D

Acq: 6 Nov 2020 2:28

Tgt Ion: 84 Resp: 152003

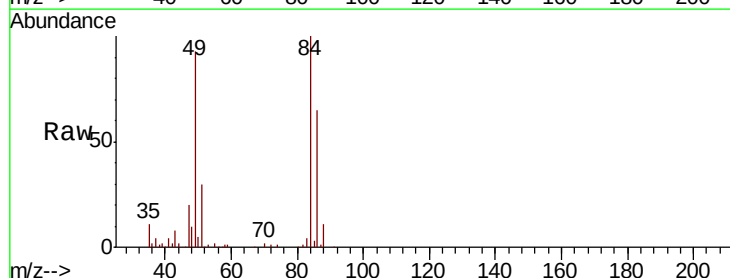
Ion Ratio Lower Upper

84 100

49 93.3 73.8 110.8

51 29.3 23.0 34.4

86 65.1 52.1 78.1

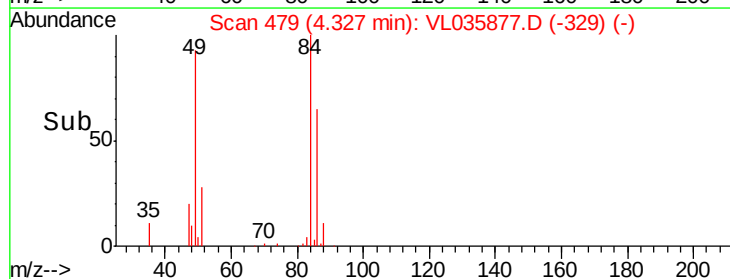
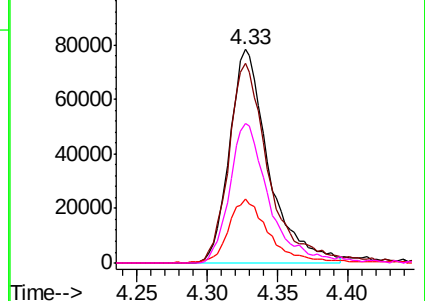


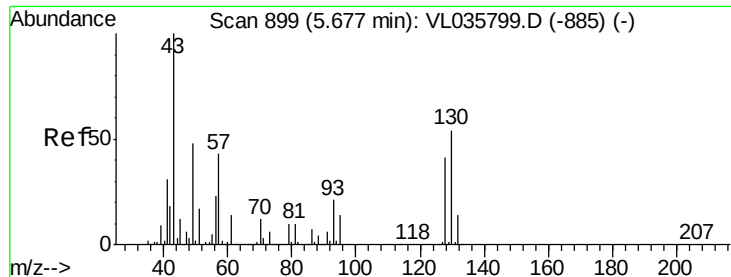
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

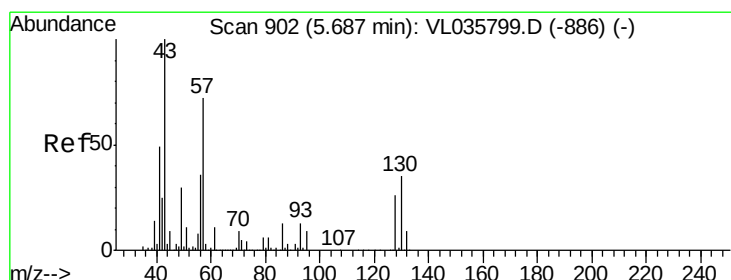
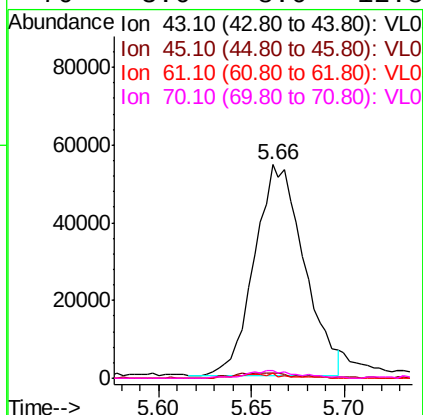
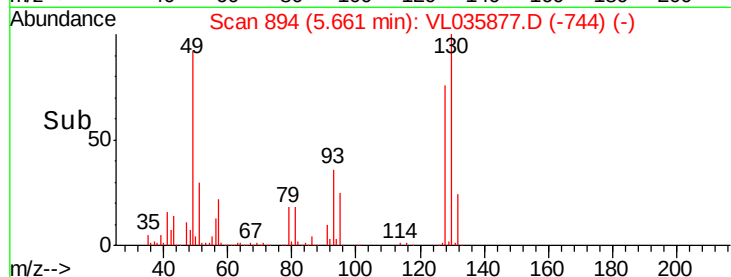
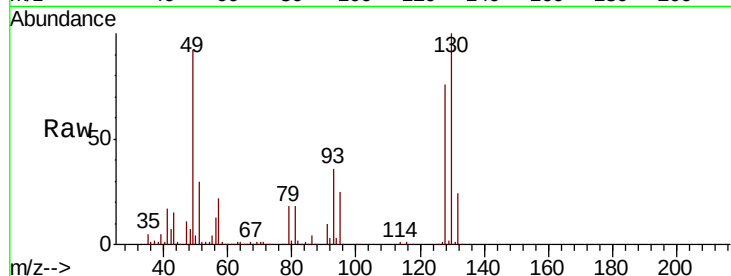




#25
Ethyl Acetate
Concen: 0.445 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.02 min
Lab File: VL035877.D
Acq: 6 Nov 2020 2:28

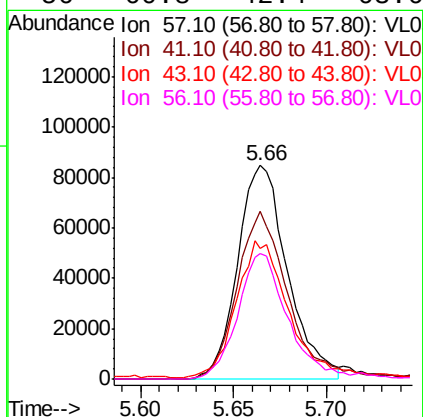
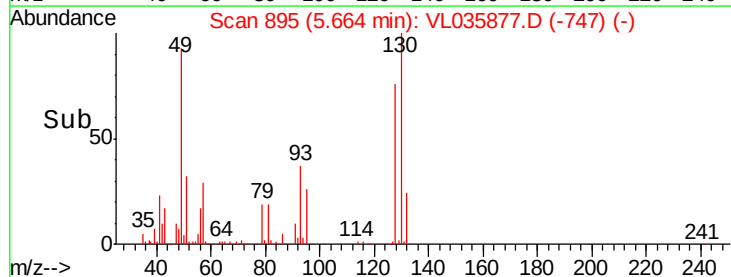
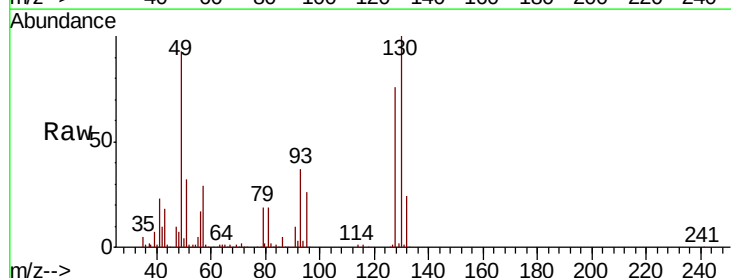
Instrument :
MSVOA_L
ClientSampleId :
IA-2DUP

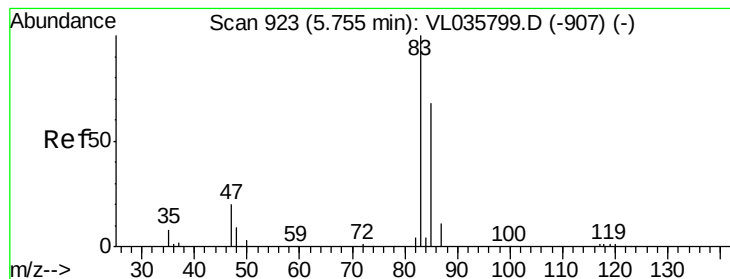
Tot Ion:	43	Resp:	101457
Ion	Ratio	Lower	Upper
43	100		
45	3.3	8.5	12.7#
61	2.0	10.7	16.1#
70	3.6	8.6	12.8#



#26
Hexane
Concen: 1.254 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL035877.D
Acq: 6 Nov 2020 2:28

Tgt Ion:	57	Resp:	157491
Ion	Ratio	Lower	Upper
57	100		
41	83.0	58.9	88.3
43	66.6	150.2	225.2#
56	60.8	42.4	63.6





#29

Chloroform

Concen: 0.310 ppbv

RT: 5.74 min Scan# 917

Delta R.T. -0.02 min

Lab File: VL035877.D

Acq: 6 Nov 2020 2:28

Instrument :

MSVOA_L

ClientSampleId :

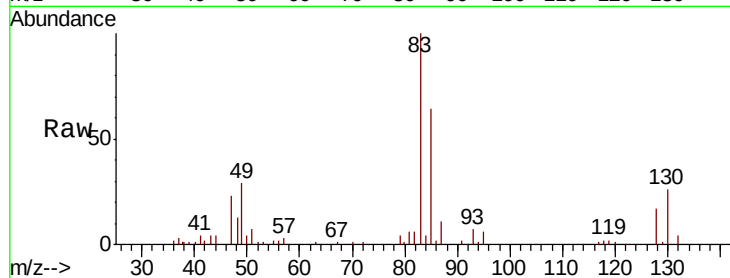
IA-2DUP

Tot Ion: 83 Resp: 76522

Ion Ratio Lower Upper

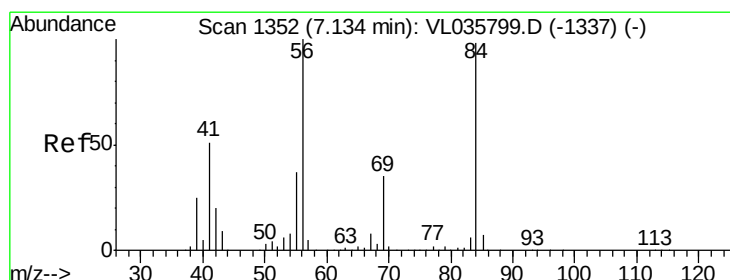
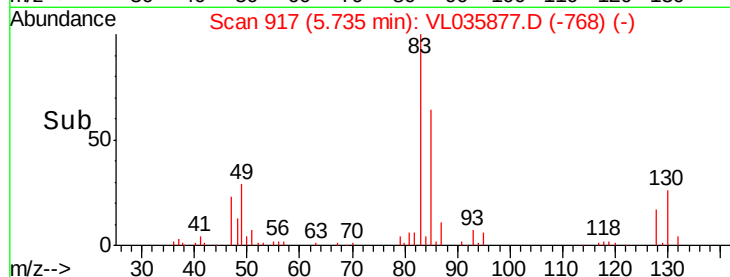
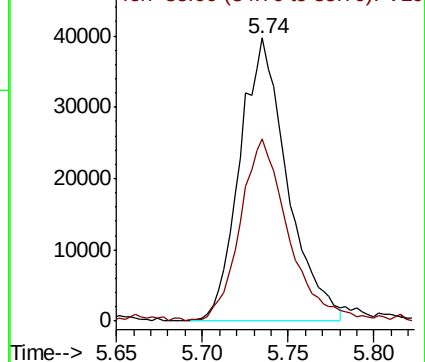
83 100

85 63.7 54.6 81.8



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 0.031 ppbv

RT: 7.11 min Scan# 1345

Delta R.T. -0.02 min

Lab File: VL035877.D

Acq: 6 Nov 2020 2:28

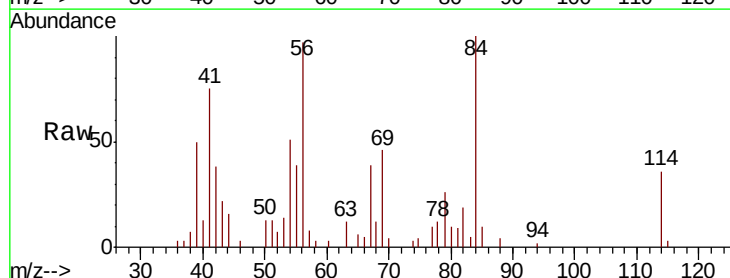
Tgt Ion: 84 Resp: 4201

Ion Ratio Lower Upper

84 100

56 0.0 86.4 129.6#

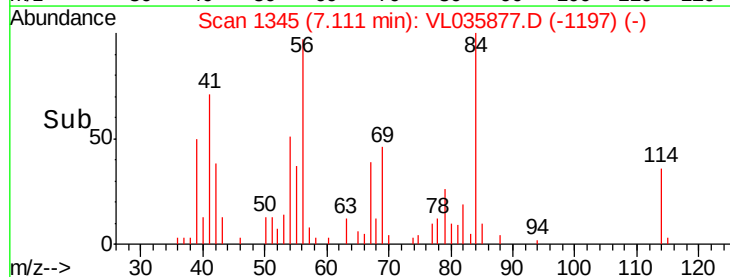
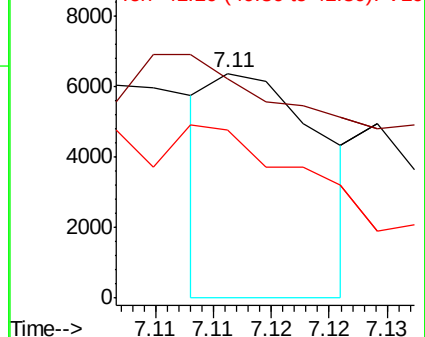
41 256.2 42.1 63.1#

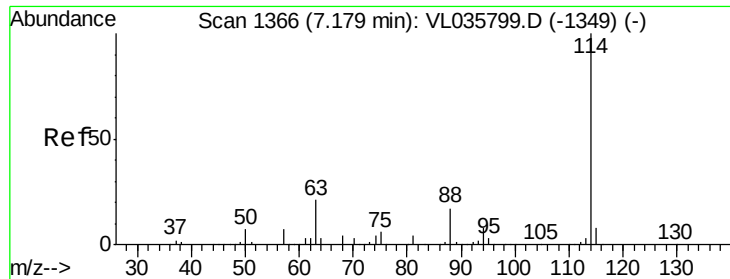


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1359

Delta R.T. -0.02 min

Lab File: VL035877.D

Acq: 6 Nov 2020 2:28

Instrument :

MSVOA_L

ClientSampleId :

IA-2DUP

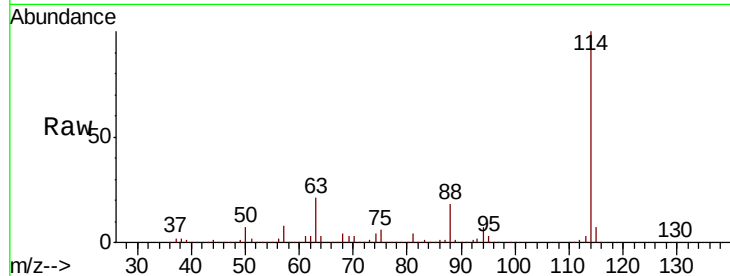
Tot Ion:114 Resp: 4015194

Ion Ratio Lower Upper

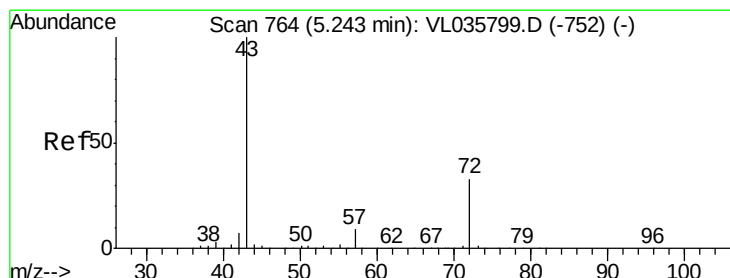
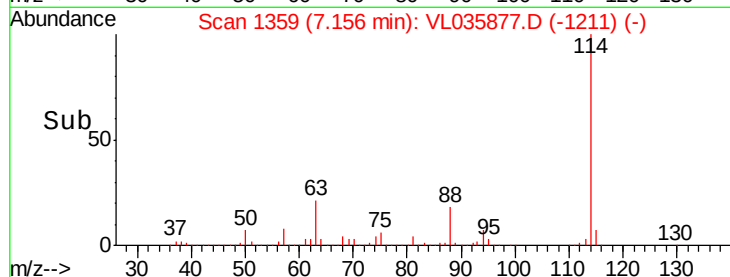
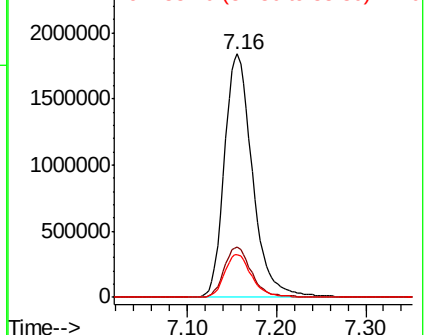
114 100

63 20.3 16.1 24.1

88 17.2 13.7 20.5



Abundance Ion 114.10 (113.80 to 114.80): VL0
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 0.150 ppbv

RT: 5.23 min Scan# 760

Delta R.T. -0.01 min

Lab File: VL035877.D

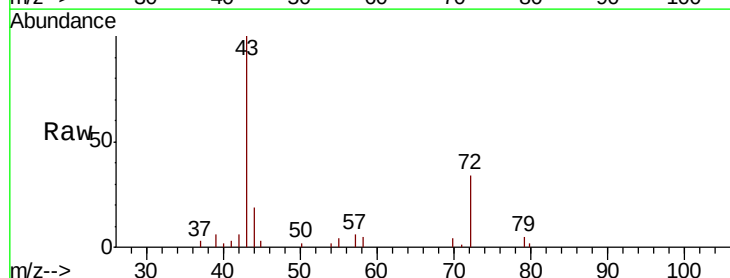
Acq: 6 Nov 2020 2:28

Tgt Ion: 43 Resp: 19482

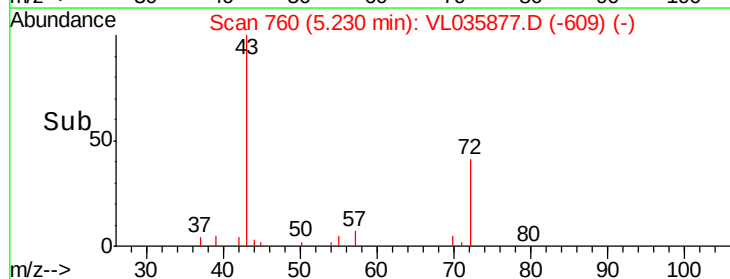
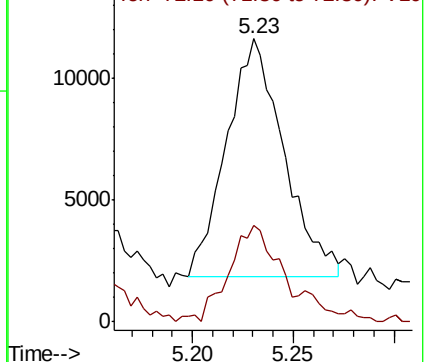
Ion Ratio Lower Upper

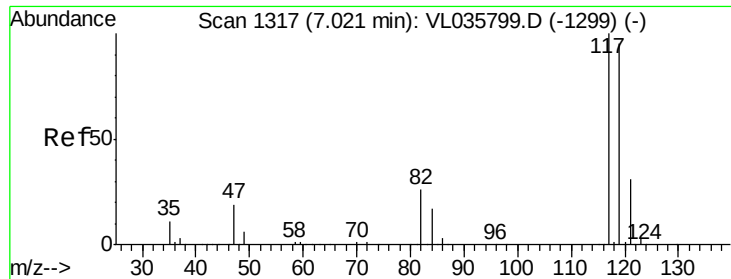
43 100

72 41.3 26.5 39.7#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 72.10 (71.80 to 72.80): VL0

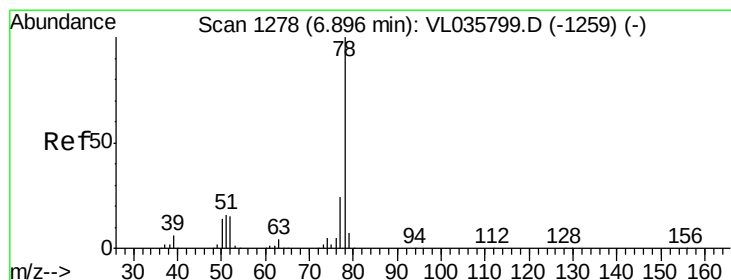
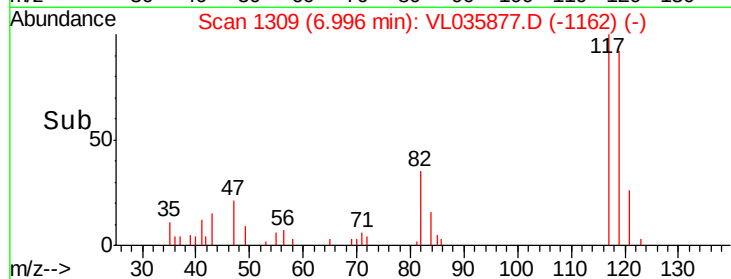
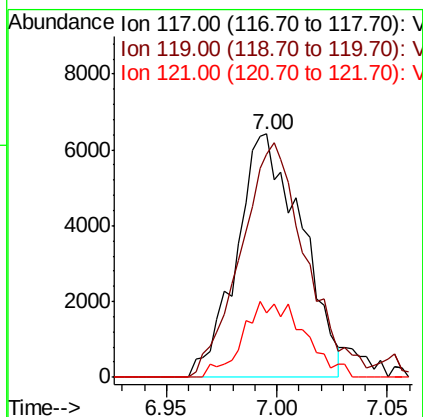
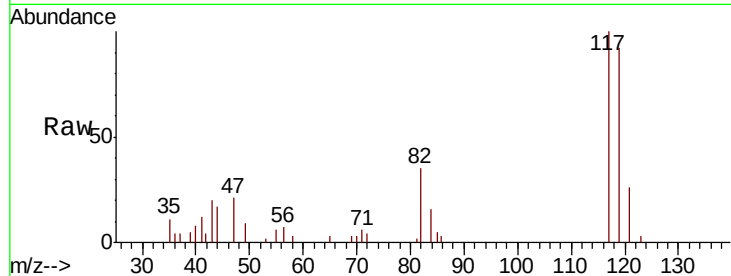




#35
Carbon Tetrachloride
Concen: 0.061 ppbv
RT: 7.00 min Scan# 1309
Delta R.T. -0.03 min
Lab File: VL035877.D
Acq: 6 Nov 2020 2:28

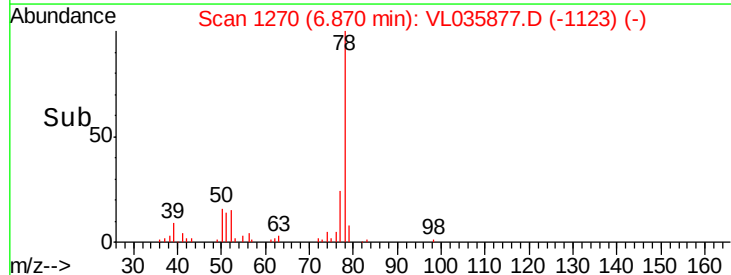
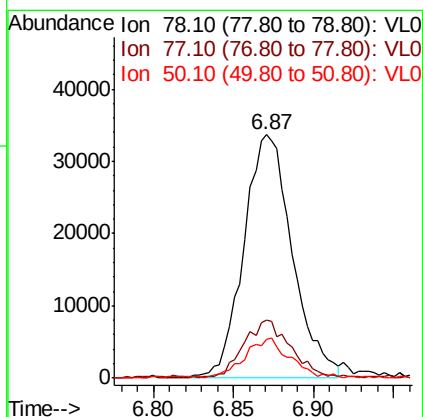
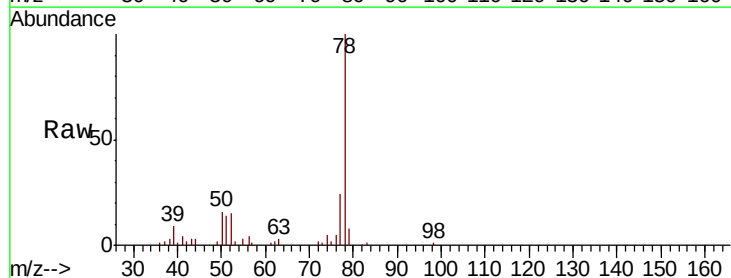
Instrument :
MSVOA_L
ClientSampleId :
IA-2DUP

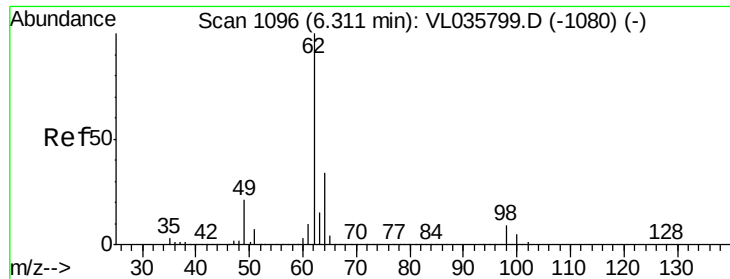
Tot Ion:117 Resp: 13050
Ion Ratio Lower Upper
117 100
119 91.5 75.6 113.4
121 26.5 25.1 37.7



#36
Benzene
Concen: 0.235 ppbv
RT: 6.87 min Scan# 1270
Delta R.T. -0.03 min
Lab File: VL035877.D
Acq: 6 Nov 2020 2:28

Tgt Ion: 78 Resp: 70105
Ion Ratio Lower Upper
78 100
77 23.6 19.3 28.9
50 15.5 11.4 17.2

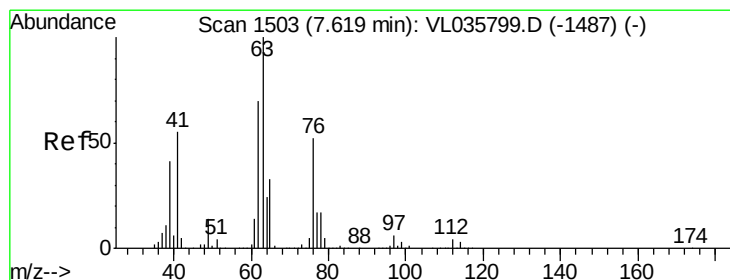
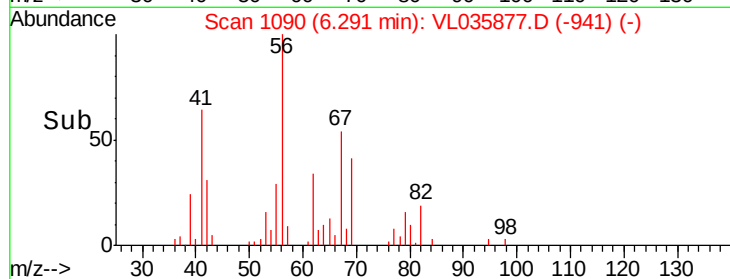
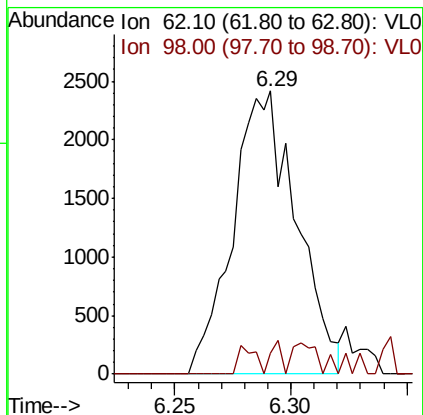
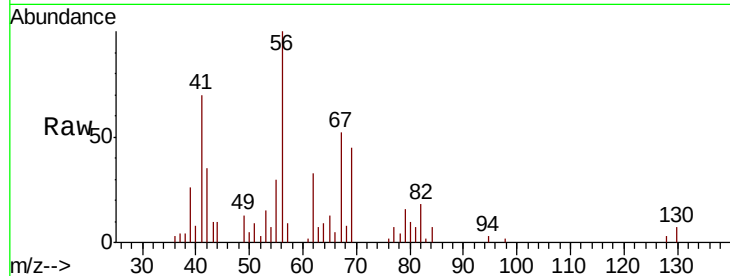




#37
 1,2-Dichloroethane
 Concen: 0.034 ppbv
 RT: 6.29 min Scan# 1090
 Delta R.T. -0.02 min
 Lab File: VL035877.D
 Acq: 6 Nov 2020 2:28

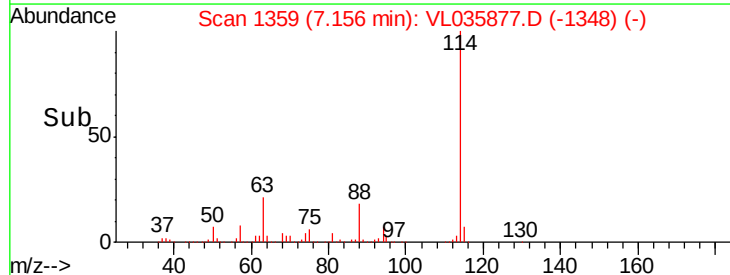
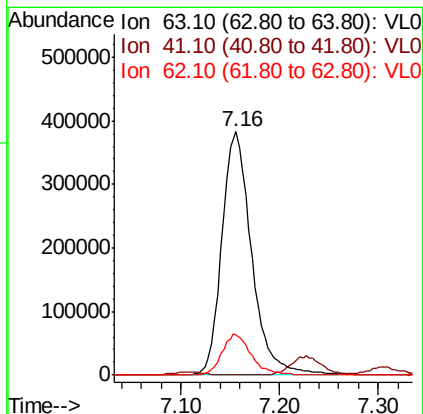
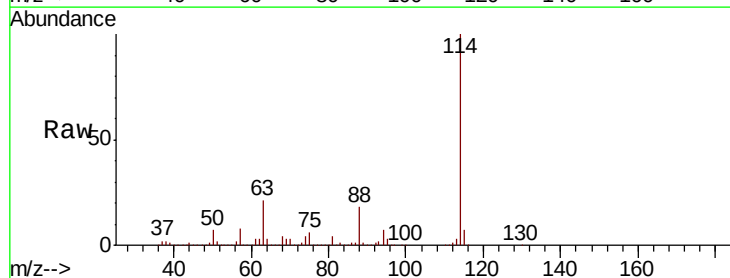
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2DUP

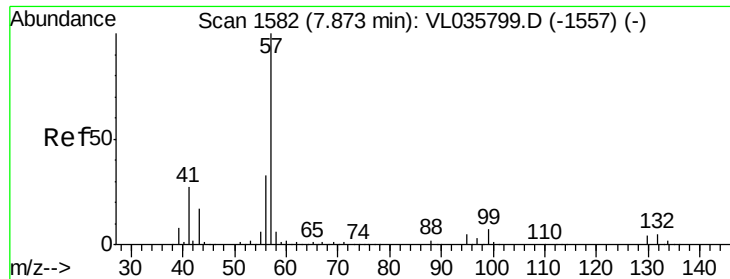
Tot Ion: 62 Resp: 4601
 Ion Ratio Lower Upper
 62 100
 98 8.5 6.9 10.3



#39
 1,2-Dichloropropane
 Concen: 8.066 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.46 min
 Lab File: VL035877.D
 Acq: 6 Nov 2020 2:28

Tgt Ion: 63 Resp: 810622
 Ion Ratio Lower Upper
 63 100
 41 0.0 43.8 65.6#
 62 16.3 56.2 84.2#

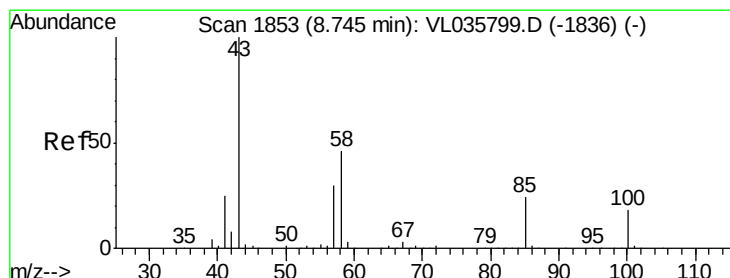
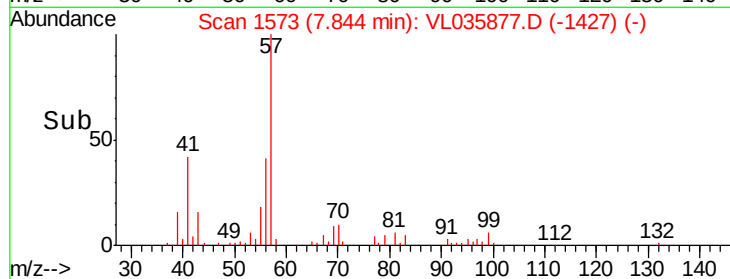
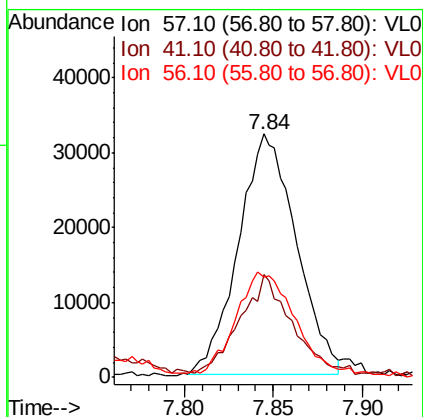
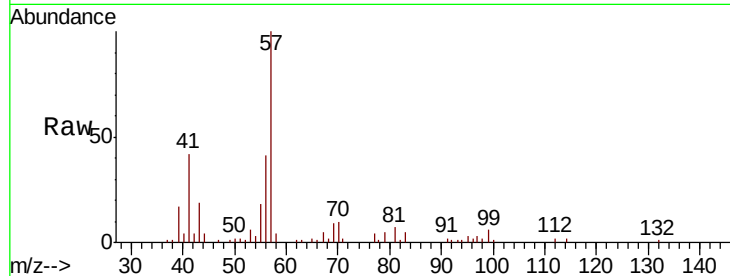




#44
 2,2,4-Trimethylpentane
 Concen: 0.184 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. -0.03 min
 Lab File: VL035877.D
 Acq: 6 Nov 2020 2:28

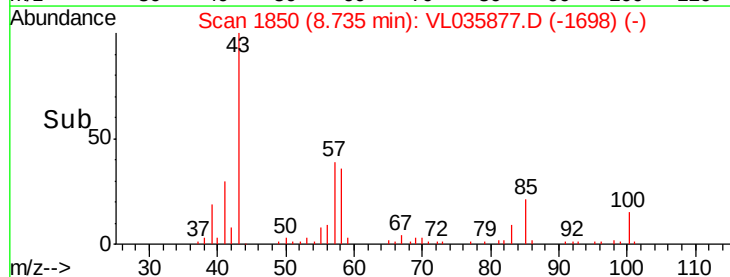
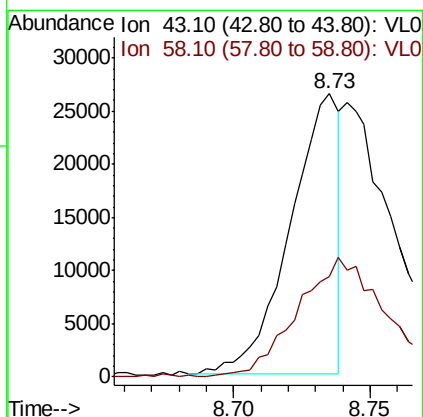
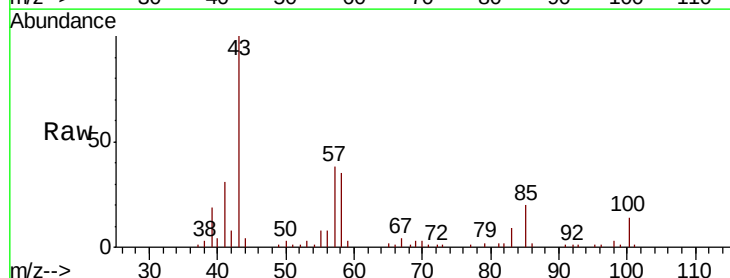
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2DUP

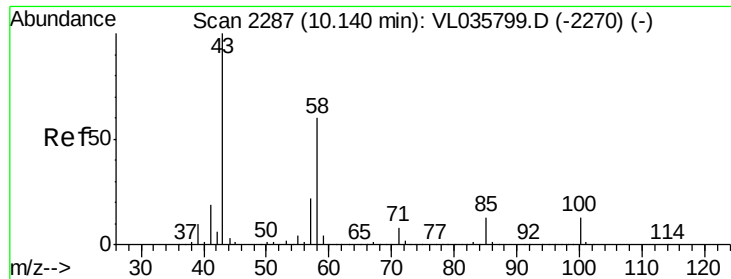
Tot Ion: 57 Resp: 72699
 Ion Ratio Lower Upper
 57 100
 41 43.7 21.0 31.4#
 56 47.1 25.4 38.0#



#50
 4-Methyl-2-Pentanone
 Concen: 0.166 ppbv
 RT: 8.73 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: VL035877.D
 Acq: 6 Nov 2020 2:28

Tgt Ion: 43 Resp: 33043
 Ion Ratio Lower Upper
 43 100
 58 0.0 36.0 54.0#

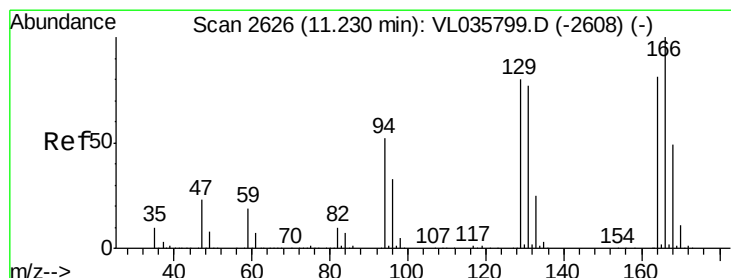
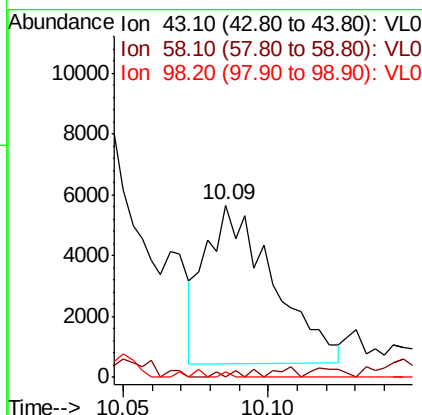
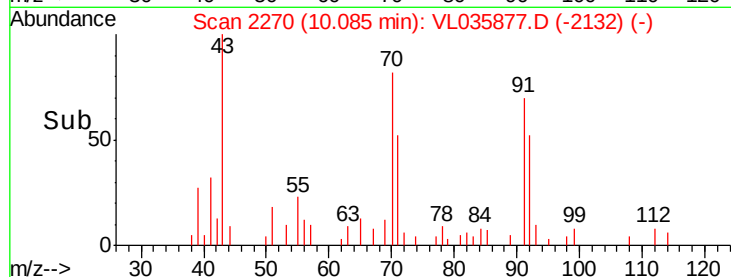
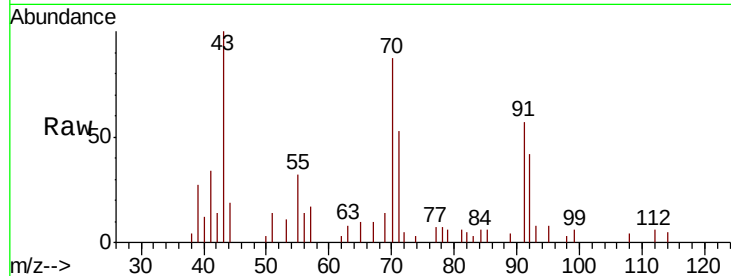




#51
2-Hexanone
Concen: 0.053 ppbv
RT: 10.09 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VL035877.D
Acq: 6 Nov 2020 2:28

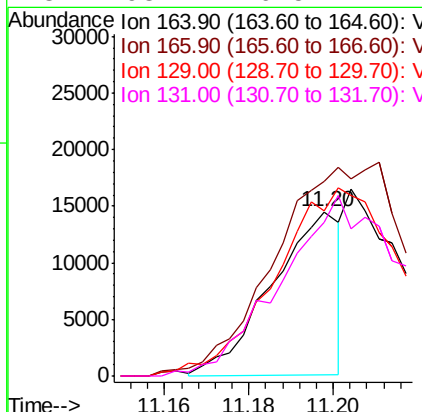
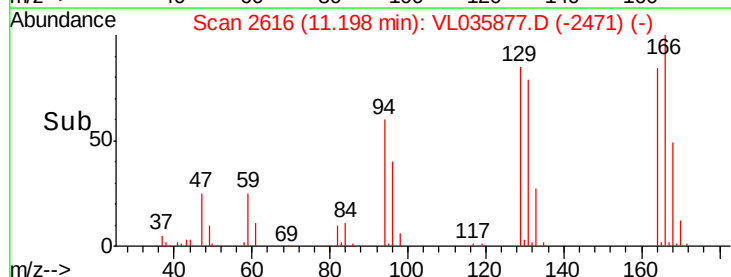
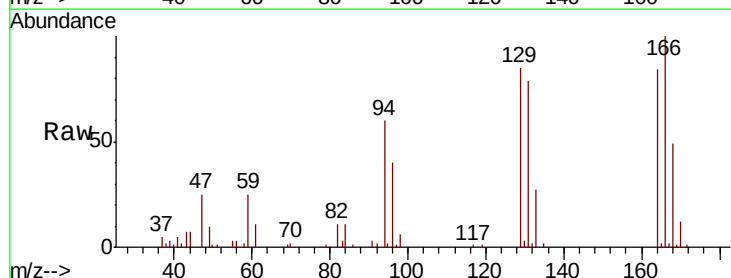
Instrument :
MSVOA_L
ClientSampleId :
IA-2DUP

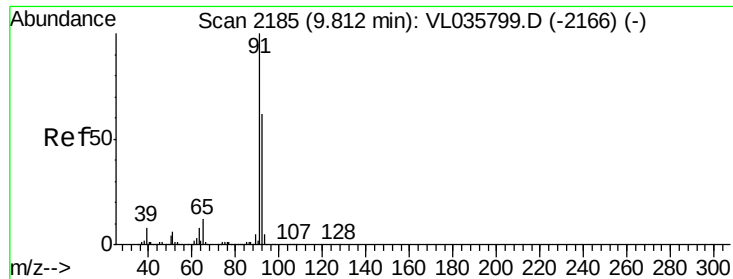
Tot Ion: 43 Resp: 8404
Ion Ratio Lower Upper
43 100
58 1.0 48.3 72.5#
98 0.0 0.6 0.8#



#52
Tetrachloroethene
Concen: 0.115 ppbv
RT: 11.20 min Scan# 2616
Delta R.T. -0.03 min
Lab File: VL035877.D
Acq: 6 Nov 2020 2:28

Tgt Ion: 164 Resp: 16309
Ion Ratio Lower Upper
164 100
166 116.4 99.3 148.9
129 94.9 79.3 118.9
131 93.2 76.5 114.7





#53

Toluene

Concen: 27.998 ppbv

RT: 9.79 min Scan# 2177

Delta R.T. -0.03 min

Lab File: VL035877.D

Acq: 6 Nov 2020 2:28

Instrument :

MSVOA_L

ClientSampleId :

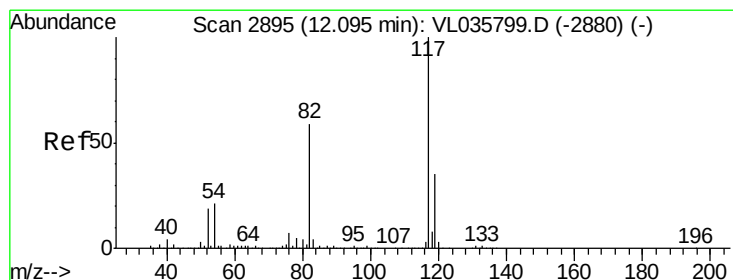
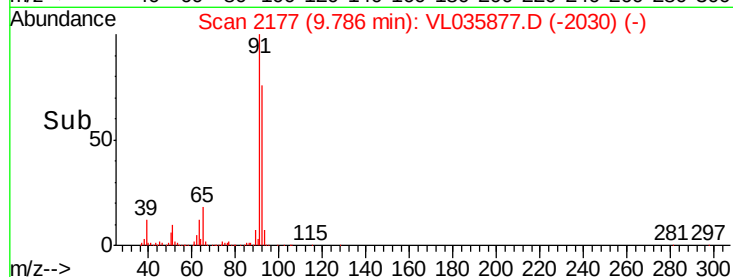
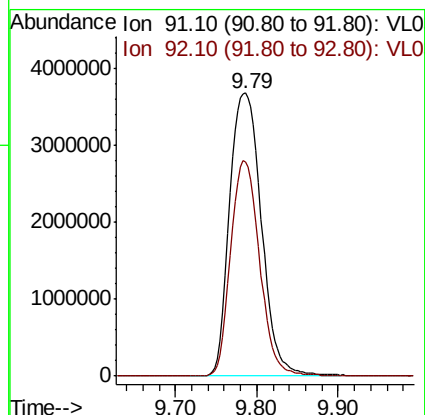
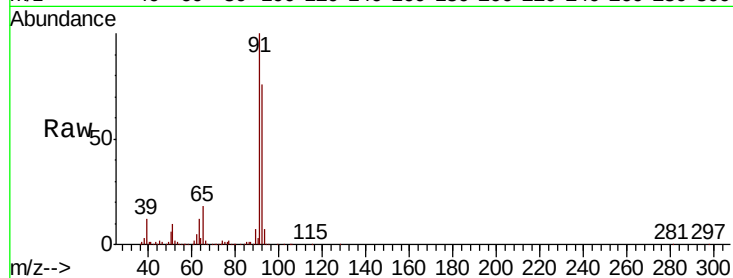
IA-2DUP

Tot Ion: 91 Resp:10084245

Ion Ratio Lower Upper

91 100

92 69.8 49.8 74.6



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2885

Delta R.T. -0.03 min

Lab File: VL035877.D

Acq: 6 Nov 2020 2:28

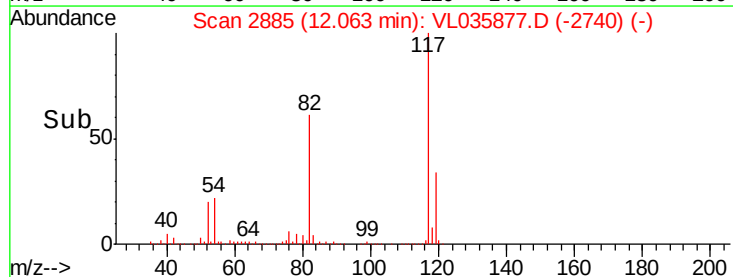
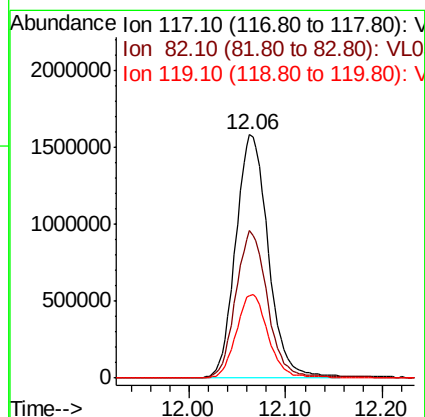
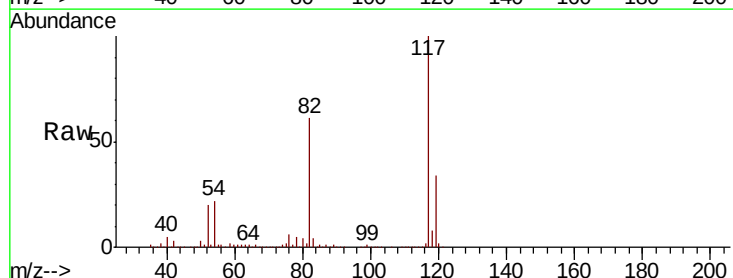
Tgt Ion:117 Resp: 3705142

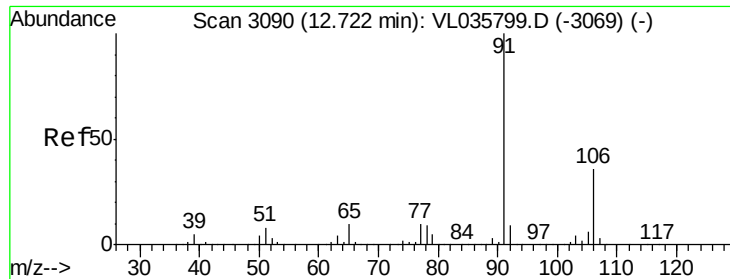
Ion Ratio Lower Upper

117 100

82 60.1 50.6 76.0

119 34.0 52.6 78.8#





#58

Ethyl Benzene

Concen: 0.580 ppbv

RT: 12.69 min Scan# 3080

Delta R.T. -0.03 min

Lab File: VL035877.D

Acq: 6 Nov 2020 2:28

Instrument :

MSVOA_L

ClientSampleId :

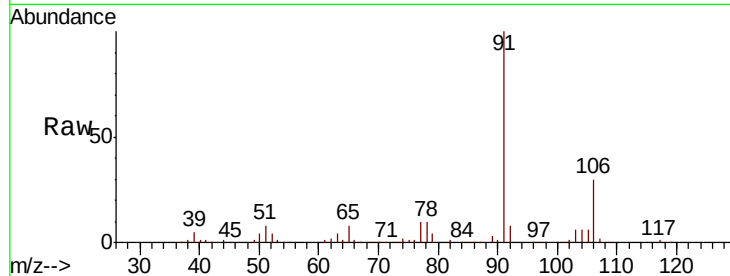
IA-2DUP

Tot Ion: 91 Resp: 261535

Ion Ratio Lower Upper

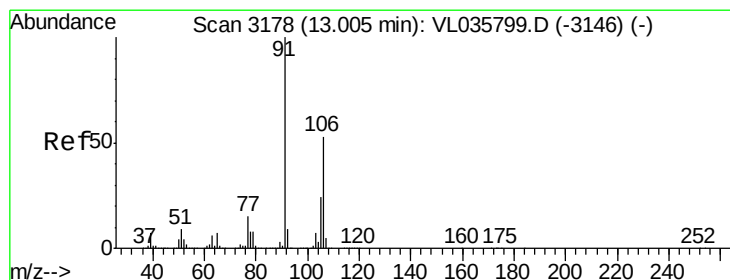
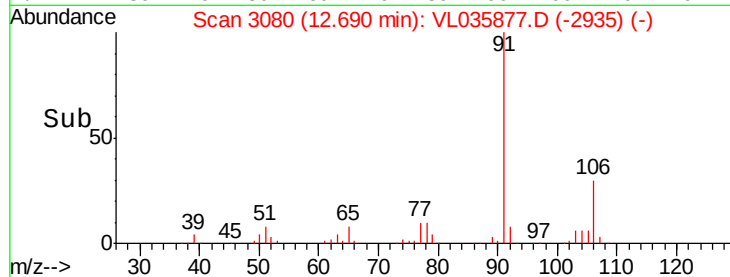
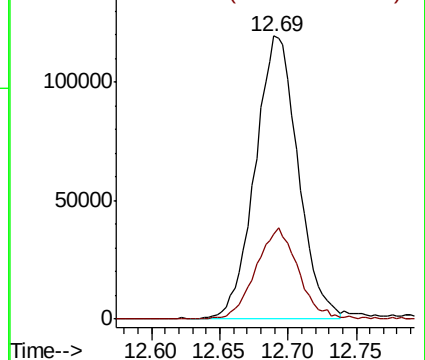
91 100

106 29.9 28.6 43.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 2.705 ppbv

RT: 12.95 min Scan# 3160

Delta R.T. -0.06 min

Lab File: VL035877.D

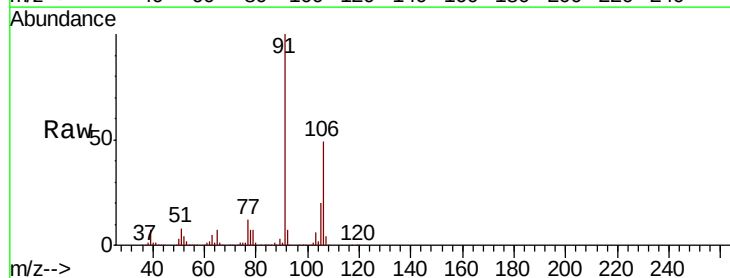
Acq: 6 Nov 2020 2:28

Tgt Ion: 91 Resp: 1032734

Ion Ratio Lower Upper

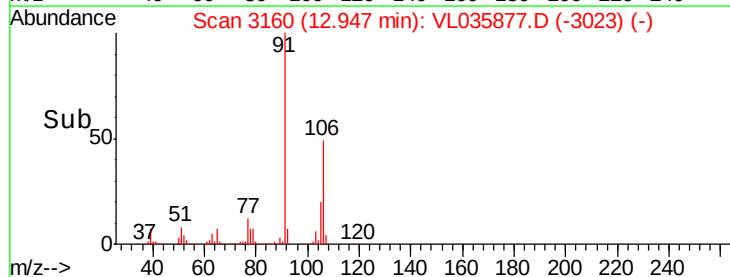
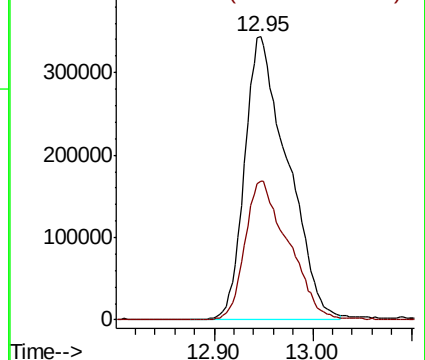
91 100

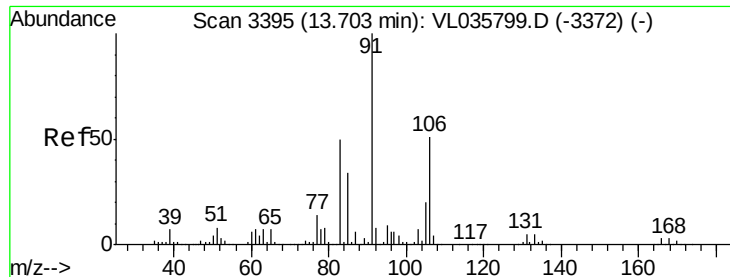
106 49.9 39.5 59.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

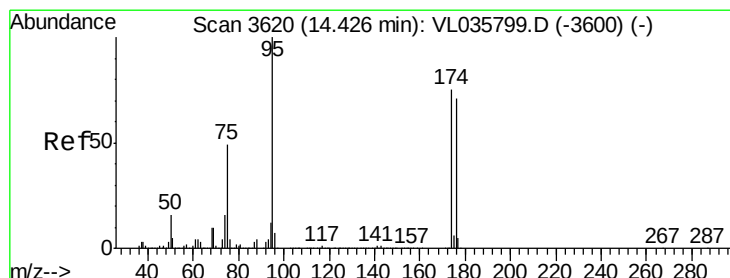
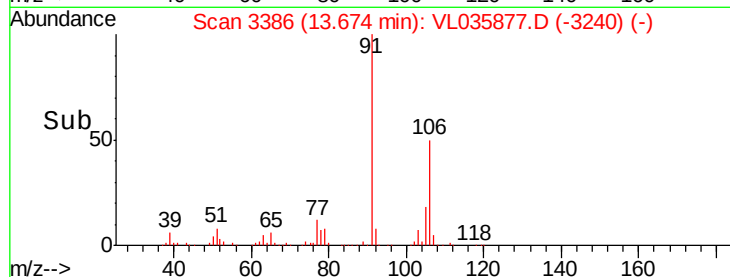
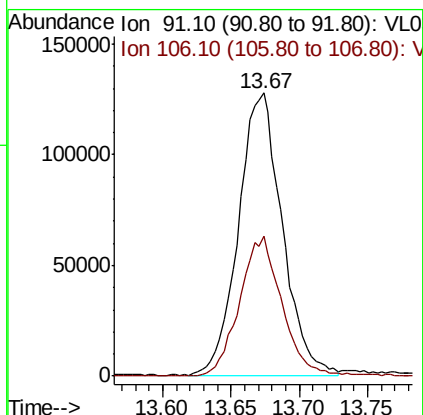
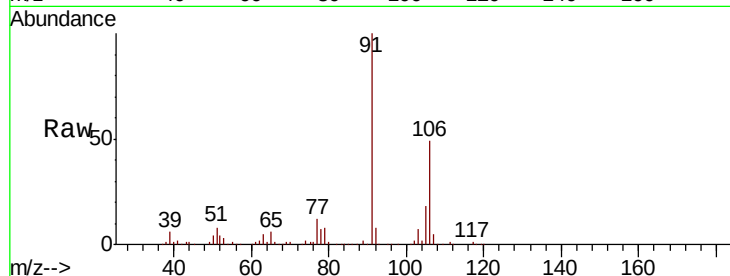




#60
o-Xylene
Concen: 0.762 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. -0.03 min
Lab File: VL035877.D
Acq: 6 Nov 2020 2:28

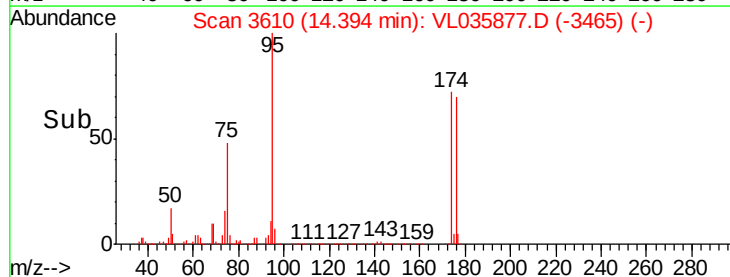
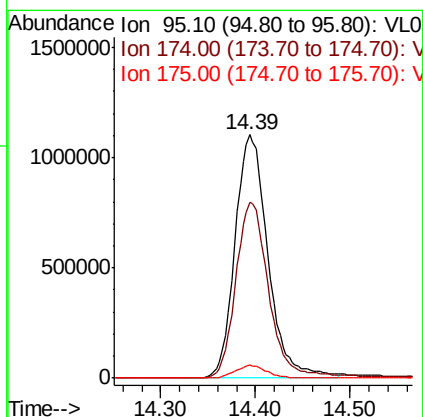
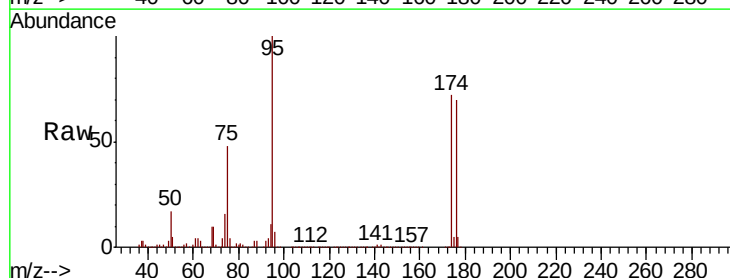
Instrument :
MSVOA_L
ClientSampleID :
IA-2DUP

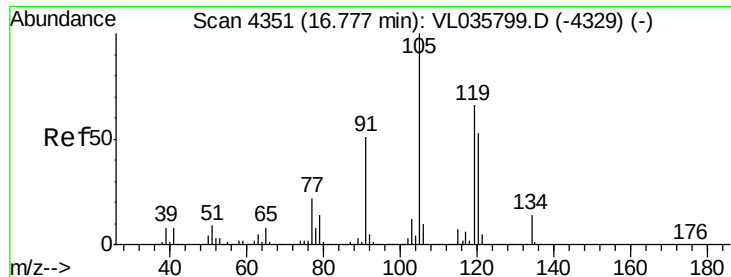
Tot Ion: 91 Resp: 282986
Ion Ratio Lower Upper
91 100
106 48.4 24.8 74.4



#68
1-Bromo-4-Fluorobenzene
Concen: 10.153 ppbv
RT: 14.39 min Scan# 3610
Delta R.T. -0.03 min
Lab File: VL035877.D
Acq: 6 Nov 2020 2:28

Tgt Ion: 95 Resp: 2672814
Ion Ratio Lower Upper
95 100
174 73.8 59.8 89.6
175 5.2 4.3 6.5





#74
 1,2,4-Trimethylbenzene
 Concen: 0.172 ppbv
 RT: 16.74 min Scan# 4341
 Delta R.T. -0.03 min
 Lab File: VL035877.D
 Acq: 6 Nov 2020 2:28

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2DUP

Tot Ion:	105	Resp:	75875
Ion	Ratio	Lower	Upper
105	100		
120	44.6	42.0	63.0
91	10.0	41.0	61.6#
77	12.2	17.3	25.9#

