

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110420\
 Data File : VL035840.D
 Acq On : 4 Nov 2020 19:28
 Operator : SY/AP
 Sample : L4610-06 2X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 05 02:57:22 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	5.64	49	973653	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.14	114	4472221	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.05	117	4100624	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	2929824	10.06	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.02	85	32952	0.180	ppbv 94
3) Chlorodifluoromethane	2.96	51	20199	0.173	ppbv # 89
4) Chloromethane	3.11	50	3454	0.061	ppbv 98
9) Propene	2.99	41	127105	2.978	ppbv 94
10) Heptane	8.09	43	9606	0.081	ppbv # 34
11) Trichlorofluoromethane	3.92	101	25613	0.111	ppbv 91
12) 1,1,2-Trichlorotrifluoroet	4.45	101	6102	0.036	ppbv 99
13) Ethanol	3.59	45	14504	1.567	ppbv 69
15) Acetone	3.82	43	986006	9.472	ppbv 97
16) 1,3-Butadiene	3.29	39	98829	2.205	ppbv # 15
19) Isopropyl Alcohol	3.97	45	4887	0.076	ppbv # 90
20) Methylene Chloride	4.31	84	71279	0.973	ppbv 98
21) Allyl Chloride	4.18	41	1755	0.031	ppbv # 1
23) Vinyl Acetate	5.04	43	28346	0.194	ppbv # 77
25) Ethyl Acetate	5.65	43	38459	0.188	ppbv # 75
26) Hexane	5.65	57	62492	0.553	ppbv # 46
27) Carbon Disulfide	4.53	76	10364	0.061	ppbv # 90
29) Chloroform	5.72	83	10852	0.049	ppbv 84
34) 2-Butanone	5.22	43	16890	0.116	ppbv # 1
36) Benzene	6.86	78	40817	0.123	ppbv 92
38) Trichloroethene	7.80	130	6685	0.041	ppbv # 64
39) 1,2-Dichloropropane	7.14	63	812156	7.255	ppbv # 30
44) 2,2,4-Trimethylpentane	7.83	57	40301	0.092	ppbv 93
52) Tetrachloroethene	11.19	164	34054	0.216	ppbv 94
53) Toluene	9.77	91	249430	0.622	ppbv 98
58) Ethyl Benzene	12.67	91	70458	0.141	ppbv 88
59) m/p-Xylene	12.94	91	310320	0.734	ppbv 97
60) o-Xylene	13.66	91	96507	0.235	ppbv 77
61) Styrene	13.50	104	16701	0.055	ppbv # 65
63) 1,1,2,2-Tetrachloroethane	13.65	83	10667	0.033	ppbv # 51
64) n-propylbenzene	15.53	120	9198	0.049	ppbv # 1
66) Benzyl Chloride	16.64	91	160089	0.824	ppbv # 62
67) sec-Butylbenzene	17.47	105	668378	0.843	ppbv # 70
69) p-Isopropyltoluene	17.63	119	25366	0.039	ppbv # 49
70) n-Butylbenzene	18.54	91	212477	0.337	ppbv 96
71) 2-Chlorotoluene	15.35	91	5278248	11.169	ppbv # 39
72) 4-Ethyltoluene	15.82	105	53457	0.107	ppbv # 84
73) 1,3,5-Trimethylbenzene	15.98	105	31840	0.070	ppbv 95
74) 1,2,4-Trimethylbenzene	16.74	105	118179	0.242	ppbv # 68
80) Naphthalene,2-methyl-	24.95	142	9461	0.170	ppbv # 86

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Instrument :
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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

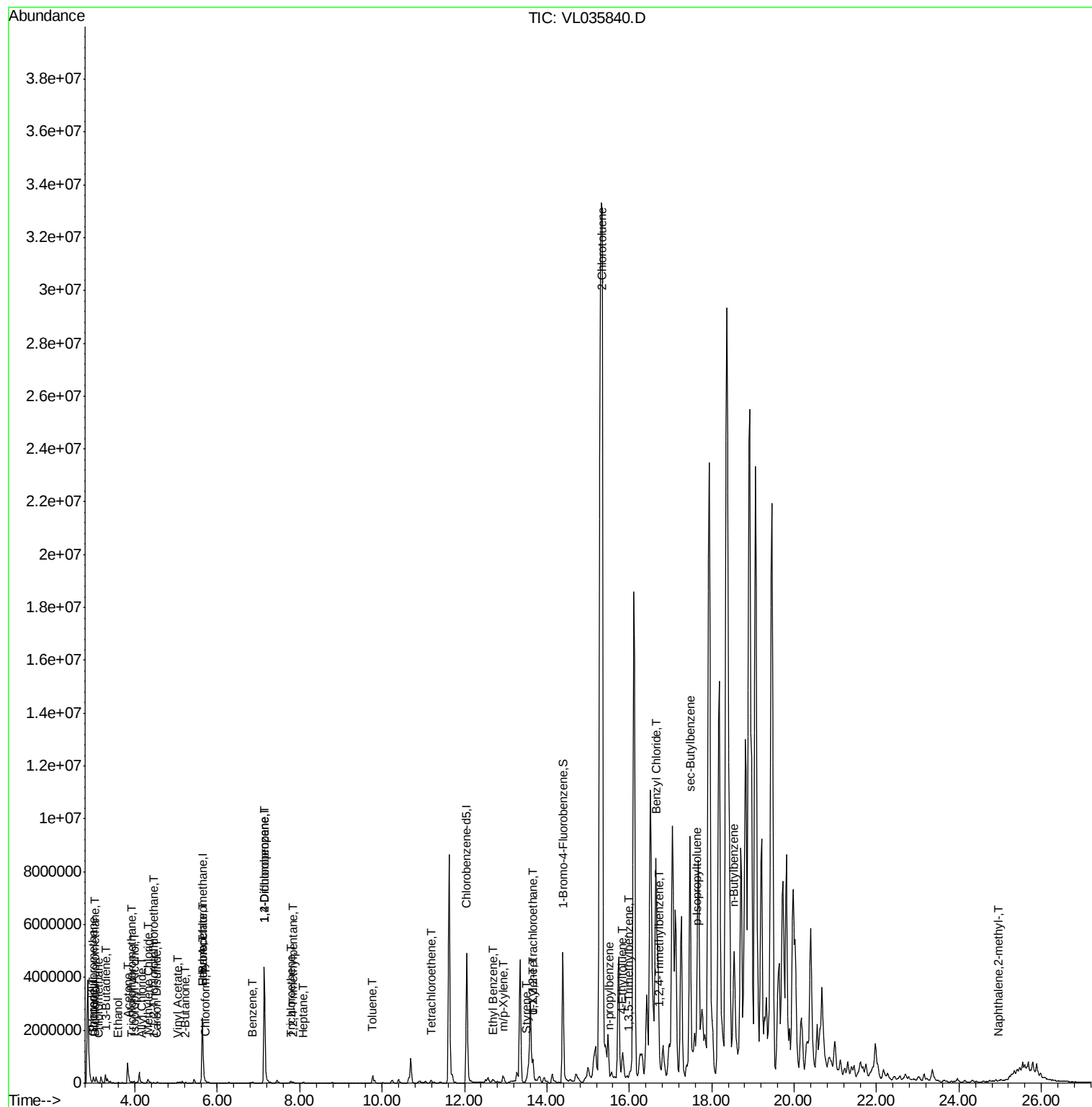
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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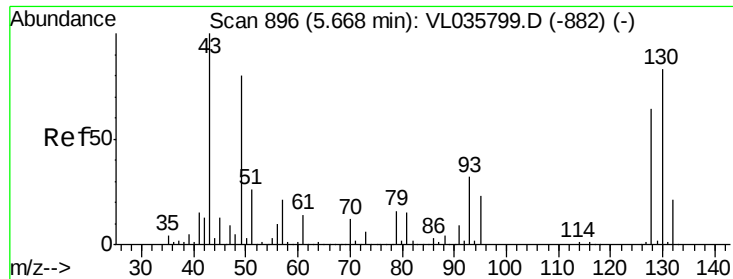
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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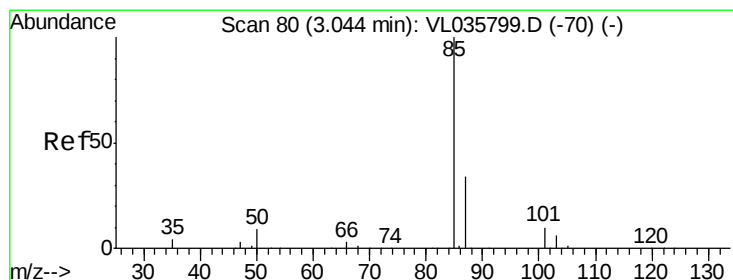
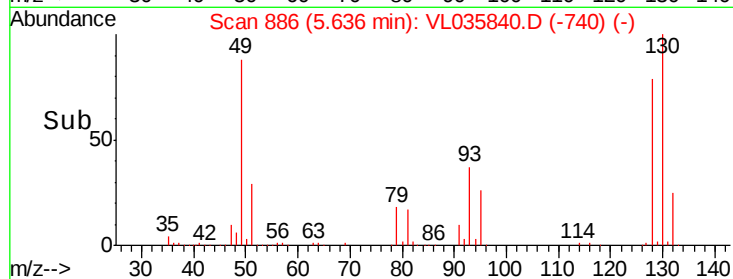
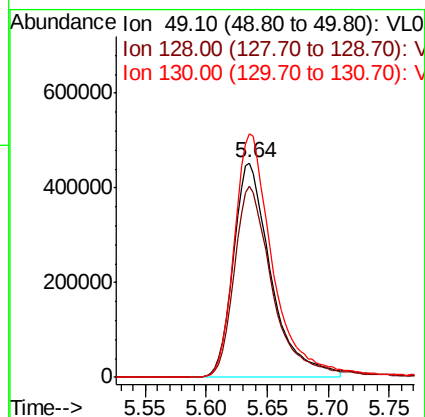
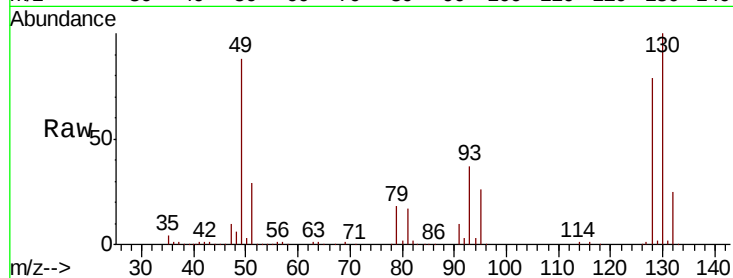




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.64 min Scan# 886
Delta R.T. -0.03 min
Lab File: VL035840.D
Acq: 4 Nov 2020 19:28

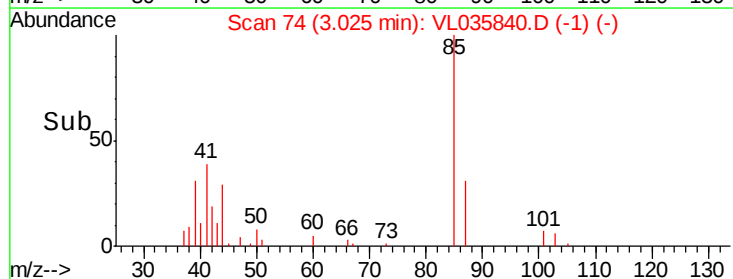
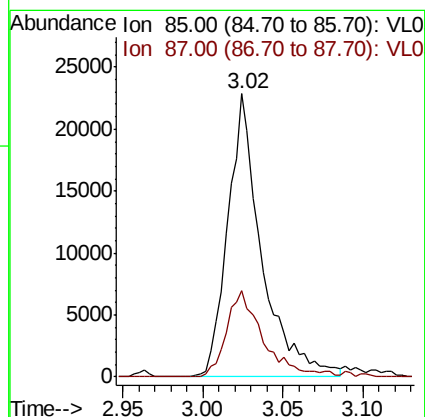
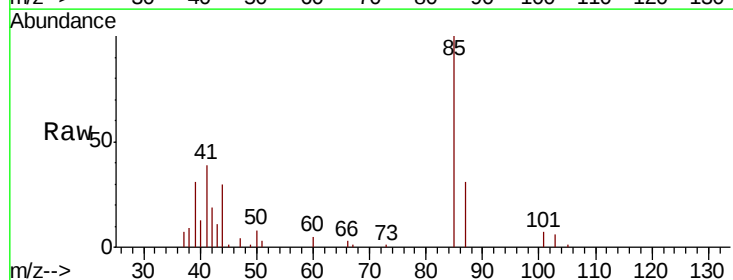
Instrument :
MSVOA_L
ClientSampleId :

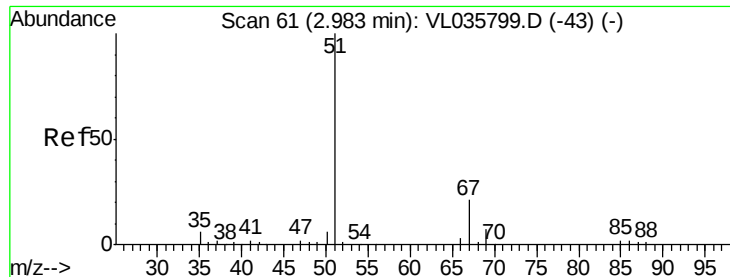
Tot Ion: 49 Resp: 973653
Ion Ratio Lower Upper
49 100
128 93.5 41.5 124.6
130 118.8 53.7 161.1



#2
Dichlorodifluoromethane
Concen: 0.180 ppbv
RT: 3.02 min Scan# 74
Delta R.T. -0.02 min
Lab File: VL035840.D
Acq: 4 Nov 2020 19:28

Tgt Ion: 85 Resp: 32952
Ion Ratio Lower Upper
85 100
87 30.7 27.1 40.7





#3

Chlorodifluoromethane

Concen: 0.173 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.02 min

Lab File: VL035840.D

Acq: 4 Nov 2020 19:28

Instrument :

MSVOA_L

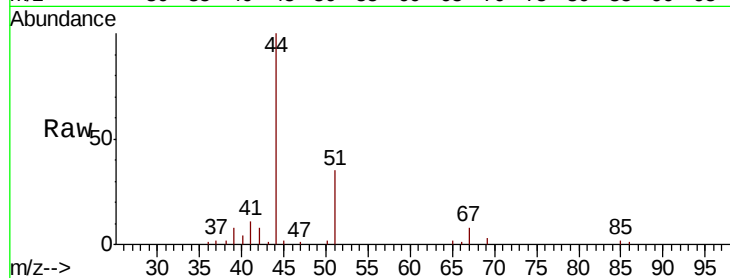
ClientSampled :

Tot Ion: 51 Resp: 20199

Ion Ratio Lower Upper

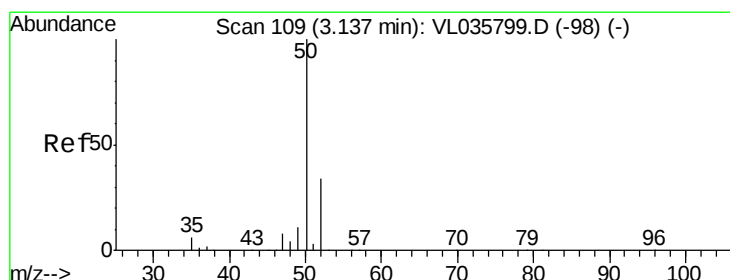
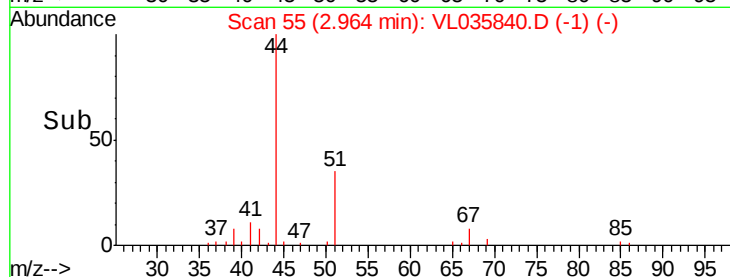
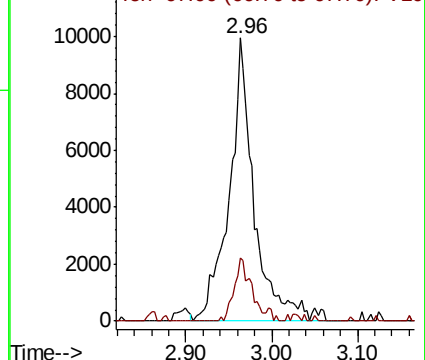
51 100

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: 0.061 ppbv

RT: 3.11 min Scan# 102

Delta R.T. -0.02 min

Lab File: VL035840.D

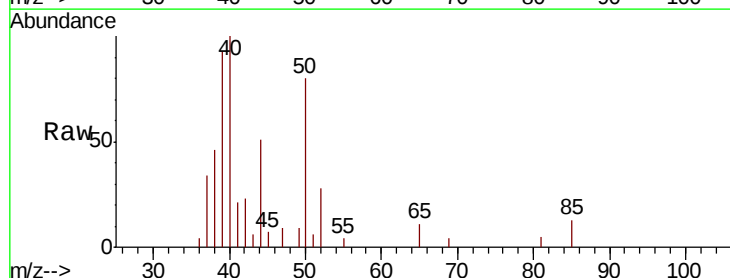
Acq: 4 Nov 2020 19:28

Tgt Ion: 50 Resp: 3454

Ion Ratio Lower Upper

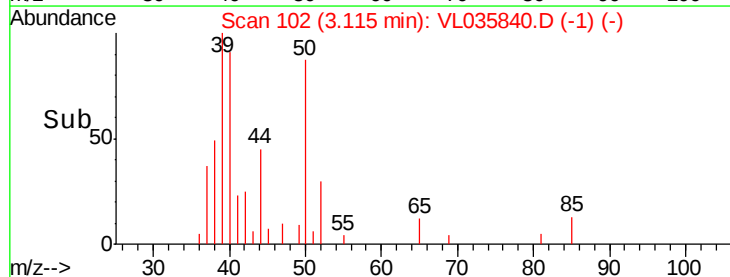
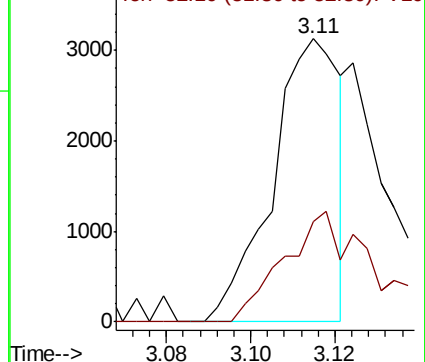
50 100

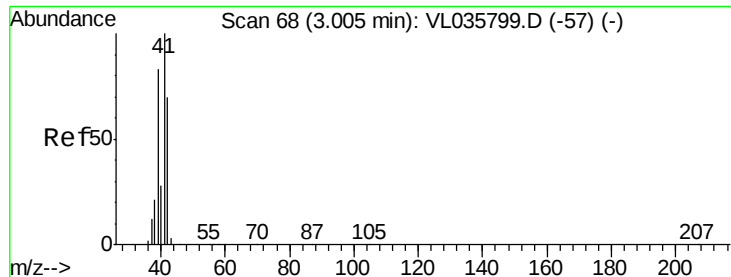
52 35.2 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 2.978 ppbv

RT: 2.99 min Scan# 62

Delta R.T. -0.02 min

Lab File: VL035840.D

Acq: 4 Nov 2020 19:28

Instrument :

MSVOA_L

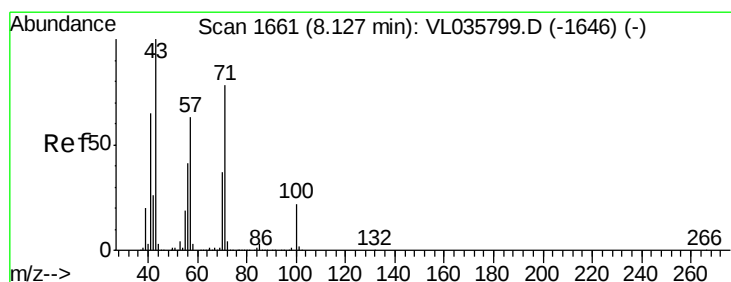
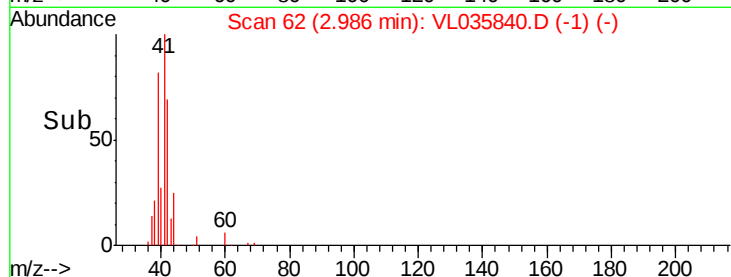
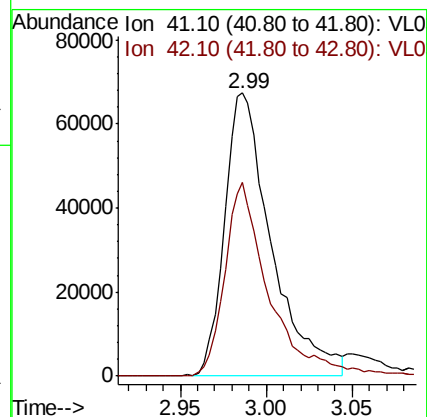
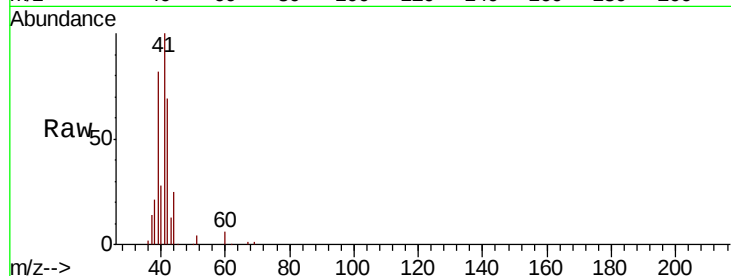
ClientSampleId :

Tot Ion: 41 Resp: 127105

Ion Ratio Lower Upper

41 100

42 65.8 56.2 84.4



#10

Heptane

Concen: 0.081 ppbv

RT: 8.09 min Scan# 1649

Delta R.T. -0.04 min

Lab File: VL035840.D

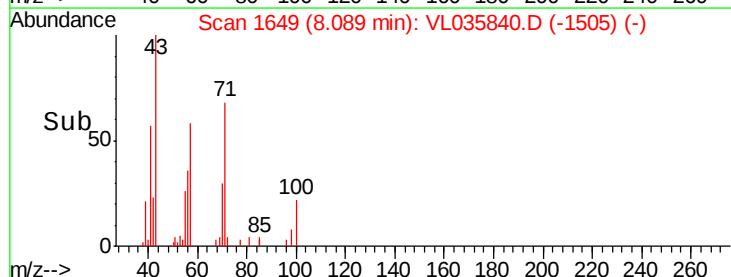
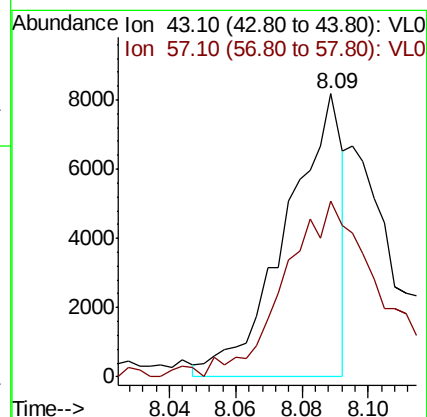
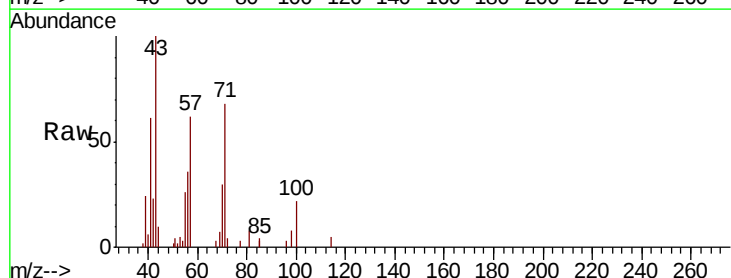
Acq: 4 Nov 2020 19:28

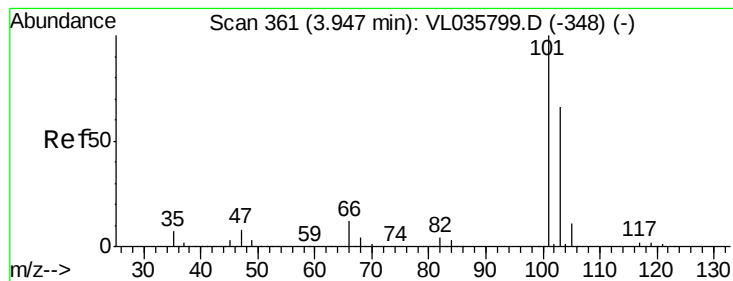
Tgt Ion: 43 Resp: 9606

Ion Ratio Lower Upper

43 100

57 113.3 50.0 75.0#





#11

Trichlorofluoromethane

Concen: 0.111 ppbv

RT: 3.92 min Scan# 353

Delta R.T. -0.03 min

Lab File: VL035840.D

Acq: 4 Nov 2020 19:28

Instrument :

MSVOA_L

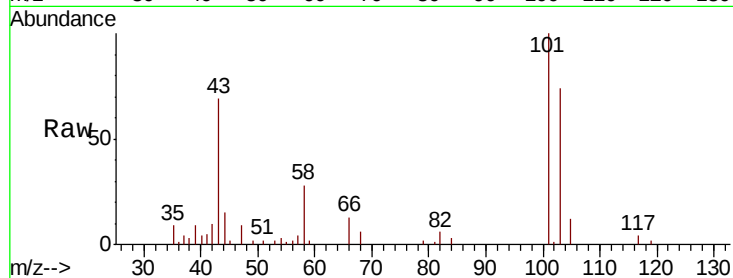
ClientSampleId :

Tot Ion:101 Resp: 25613

Ion Ratio Lower Upper

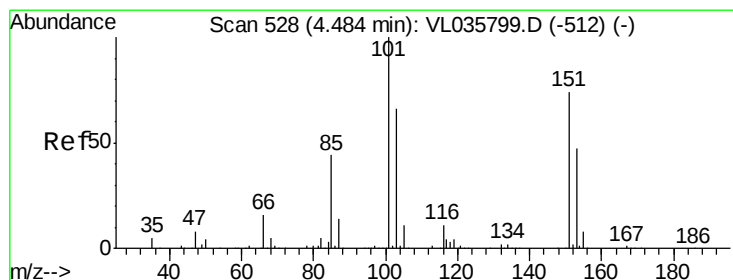
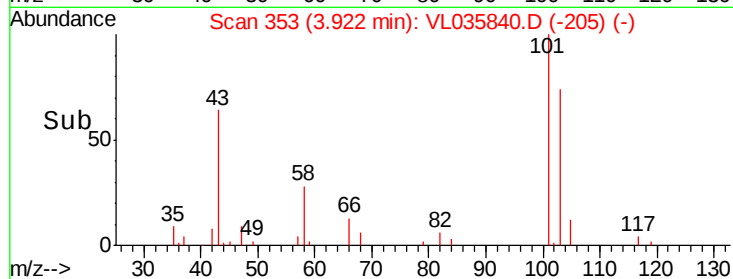
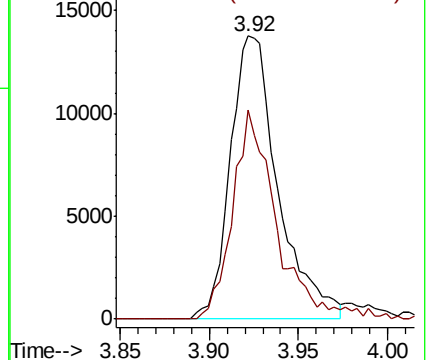
101 100

103 73.7 53.0 79.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.036 ppbv

RT: 4.45 min Scan# 518

Delta R.T. -0.03 min

Lab File: VL035840.D

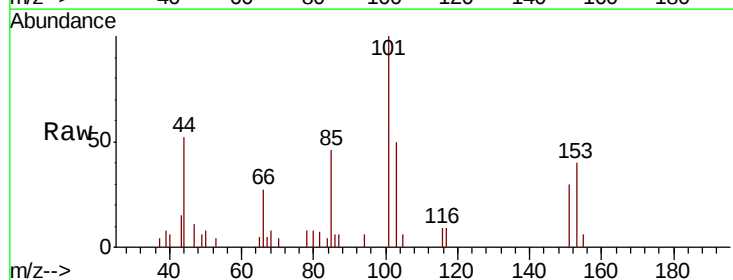
Acq: 4 Nov 2020 19:28

Tgt Ion:101 Resp: 6102

Ion Ratio Lower Upper

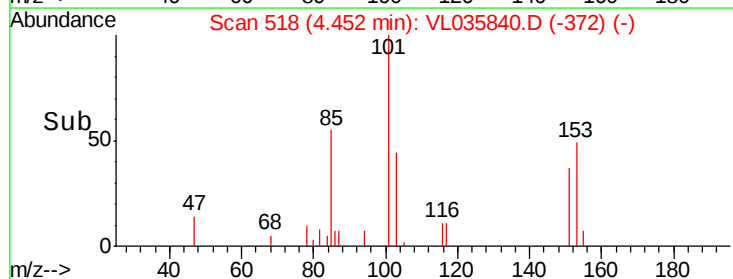
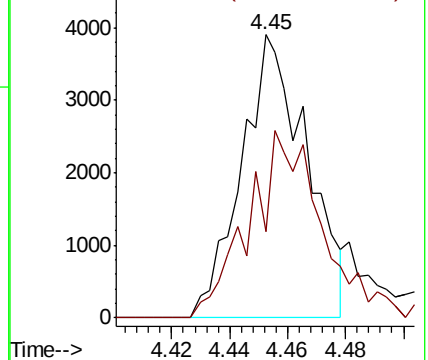
101 100

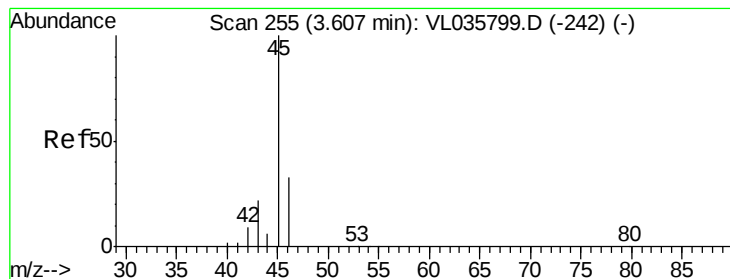
151 74.2 58.9 88.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 1.567 ppbv

RT: 3.59 min Scan# 250

Delta R.T. -0.02 min

Lab File: VL035840.D

Acq: 4 Nov 2020 19:28

Instrument :

MSVOA_L

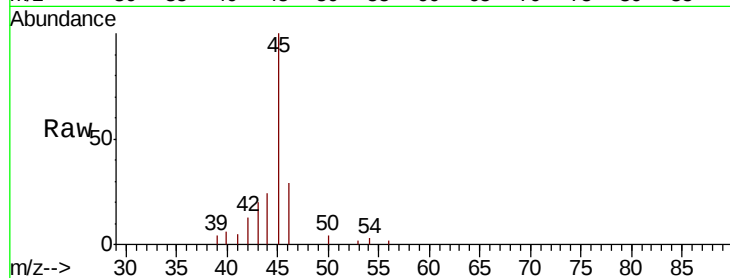
ClientSampled :

Tot Ion: 45 Resp: 14504

Ion Ratio Lower Upper

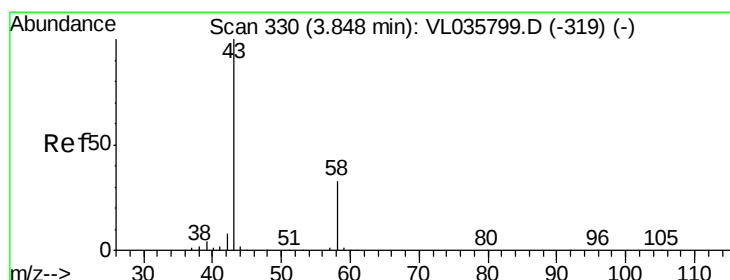
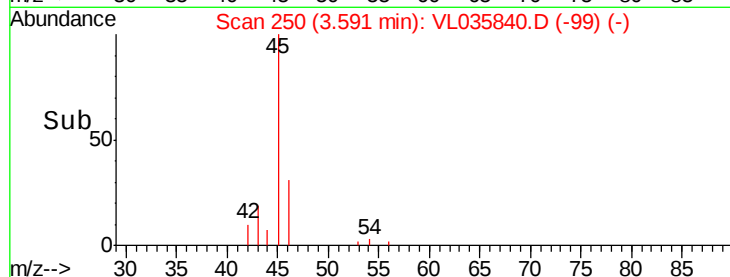
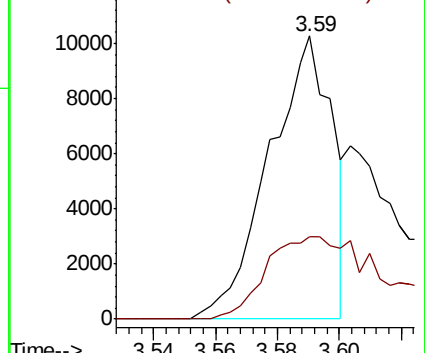
45 100

46 59.4 16.1 64.5



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#15

Acetone

Concen: 9.472 ppbv

RT: 3.82 min Scan# 322

Delta R.T. -0.03 min

Lab File: VL035840.D

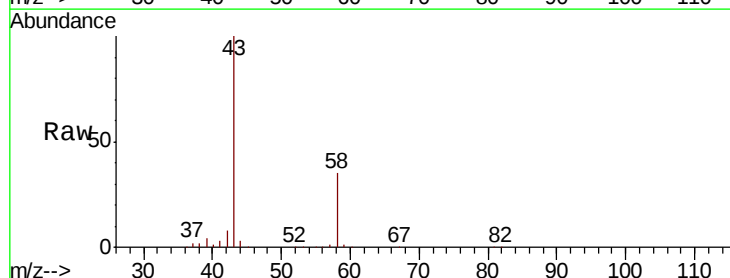
Acq: 4 Nov 2020 19:28

Tgt Ion: 43 Resp: 986006

Ion Ratio Lower Upper

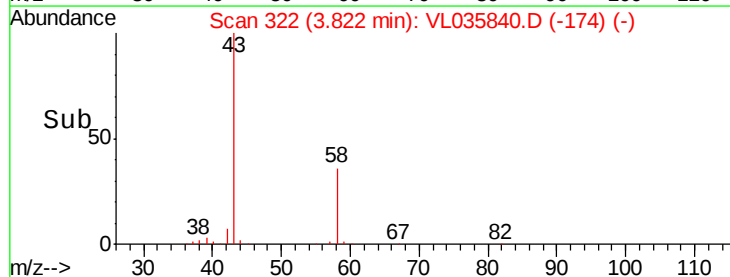
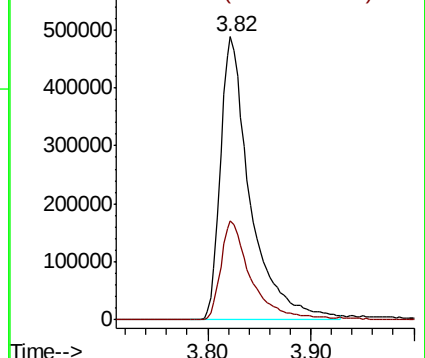
43 100

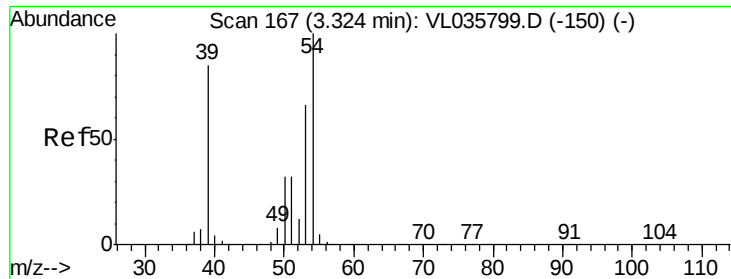
58 36.2 27.5 41.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

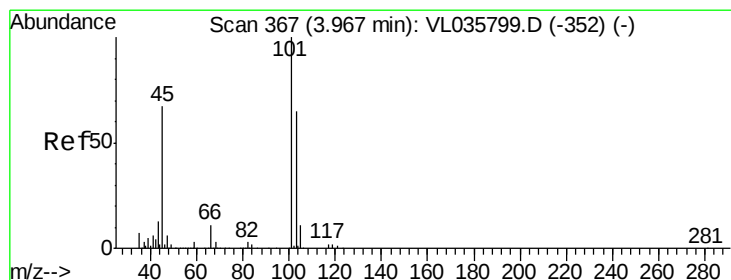
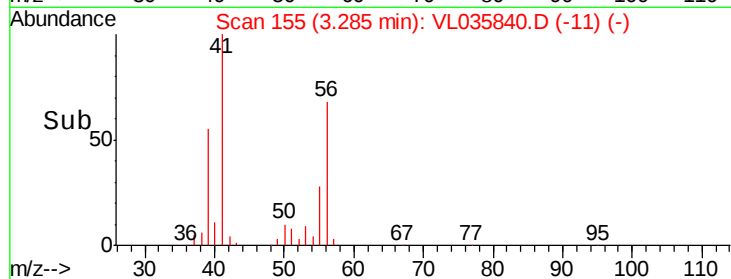
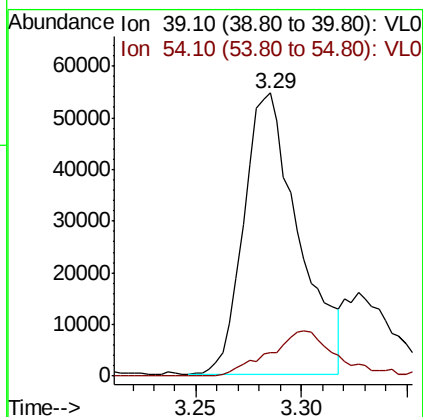
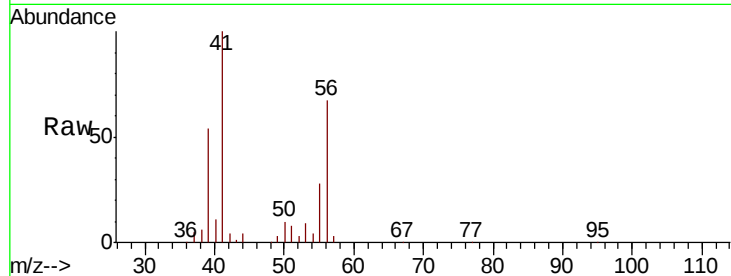




#16
 1,3-Butadiene
 Concen: 2.205 ppbv
 RT: 3.29 min Scan# 155
 Delta R.T. -0.04 min
 Lab File: VL035840.D
 Acq: 4 Nov 2020 19:28

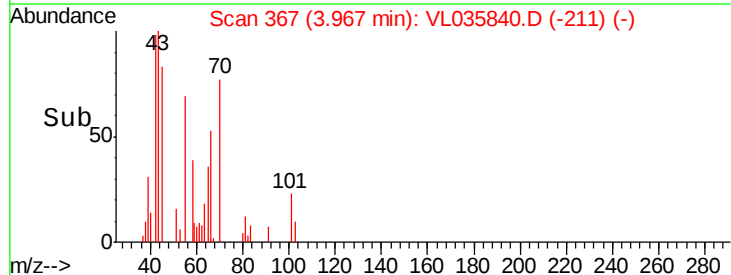
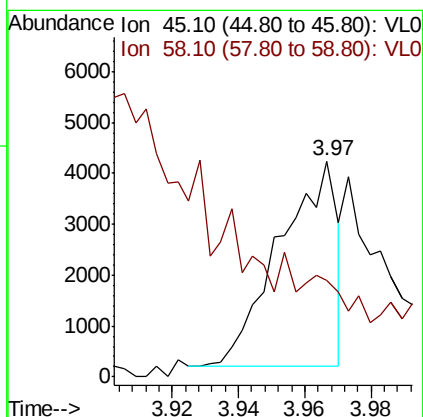
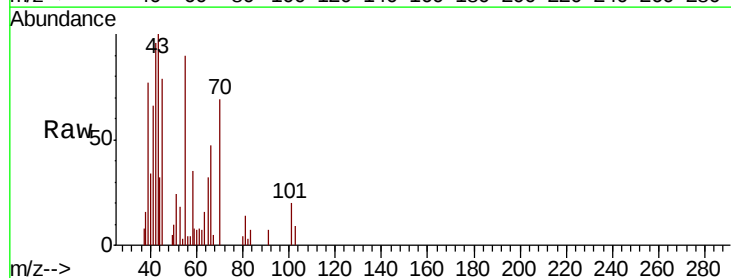
Instrument :
 MSVOA_L
 ClientSampleId :

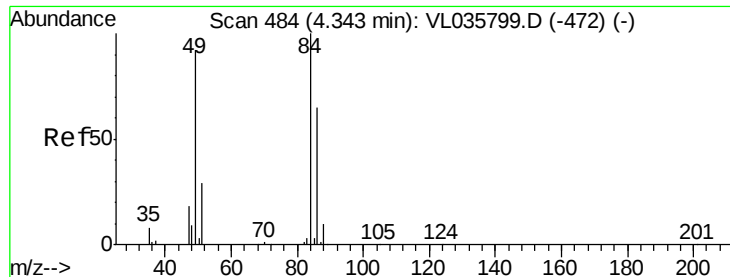
Tot Ion: 39 Resp: 98829
 Ion Ratio Lower Upper
 39 100
 54 19.6 87.1 130.7#



#19
 Isopropyl Alcohol
 Concen: 0.076 ppbv
 RT: 3.97 min Scan# 367
 Delta R.T. 0.00 min
 Lab File: VL035840.D
 Acq: 4 Nov 2020 19:28

Tgt Ion: 45 Resp: 4887
 Ion Ratio Lower Upper
 45 100
 58 0.0 2.6 3.8#

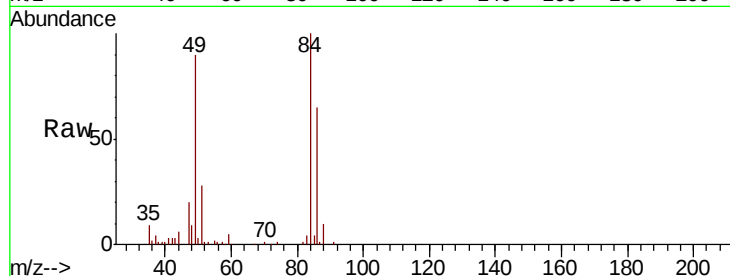




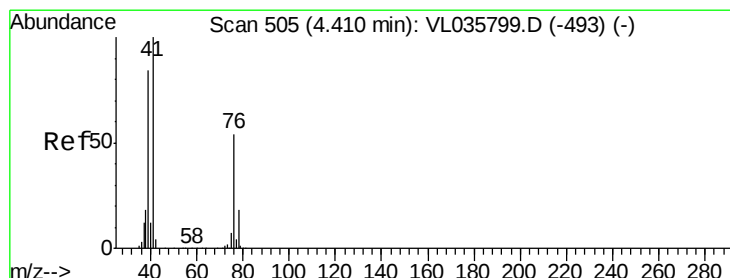
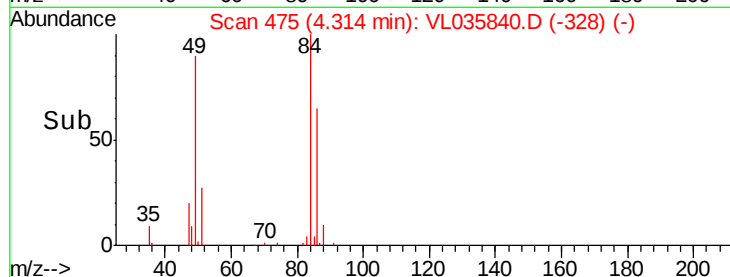
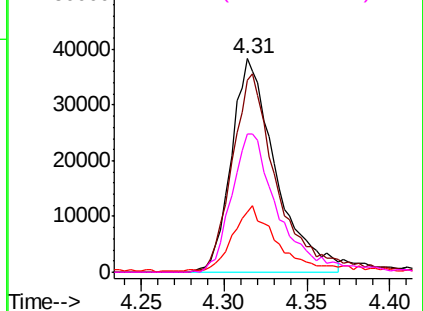
#20
Methvlene Chloride
Concen: 0.973 ppbv
RT: 4.31 min Scan# 475
Delta R.T. -0.03 min
Lab File: VL035840.D
Acq: 4 Nov 2020 19:28

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 84 Resp: 71279
Ion Ratio Lower Upper
84 100
49 89.6 73.8 110.8
51 27.0 23.0 34.4
86 64.5 52.1 78.1

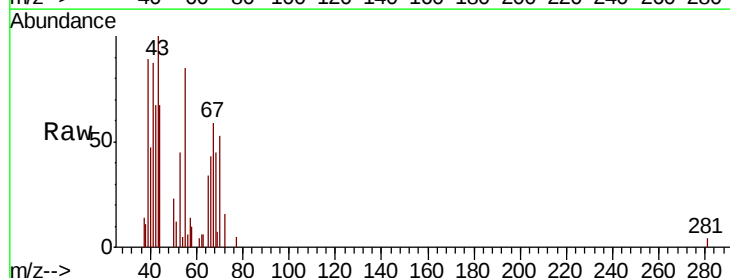


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

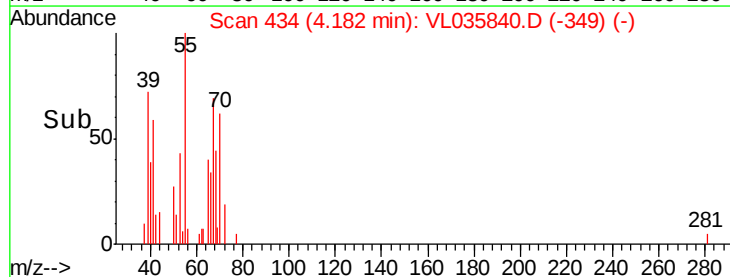
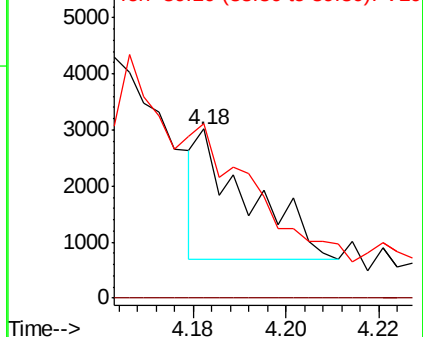


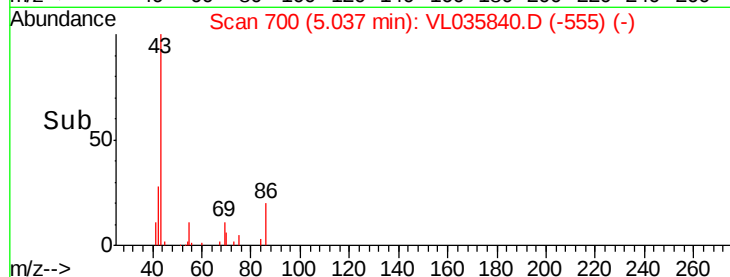
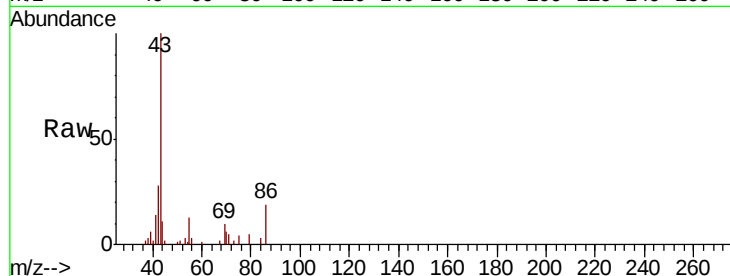
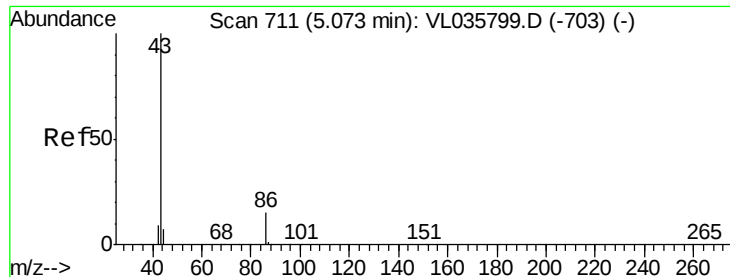
#21
Allyl Chloride
Concen: 0.031 ppbv
RT: 4.18 min Scan# 434
Delta R.T. -0.23 min
Lab File: VL035840.D
Acq: 4 Nov 2020 19:28

Tgt Ion: 41 Resp: 1755
Ion Ratio Lower Upper
41 100
76 0.0 42.6 63.8#
39 568.3 67.0 100.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0

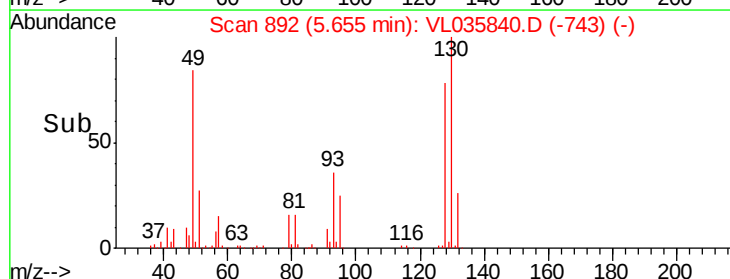
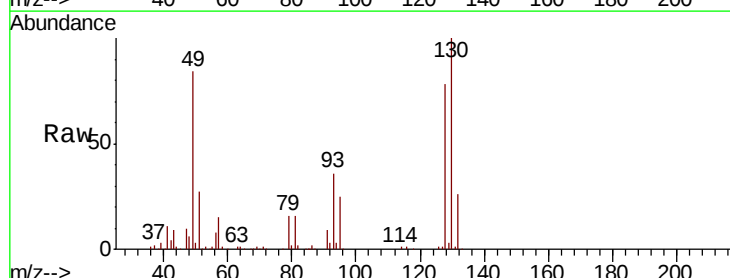
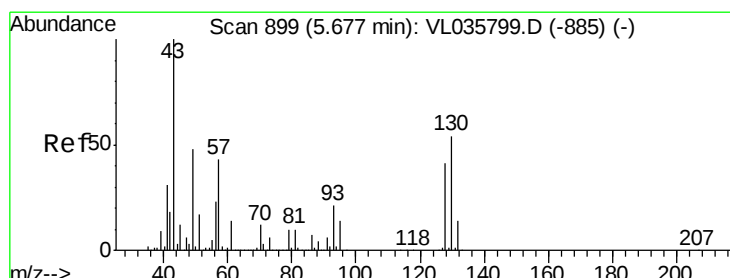
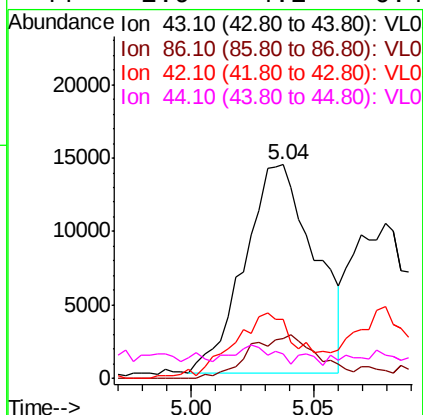




#23
 Vinyl Acetate
 Concen: 0.194 ppbv
 RT: 5.04 min Scan# 700
 Delta R.T. -0.04 min
 Lab File: VL035840.D
 Acq: 4 Nov 2020 19:28

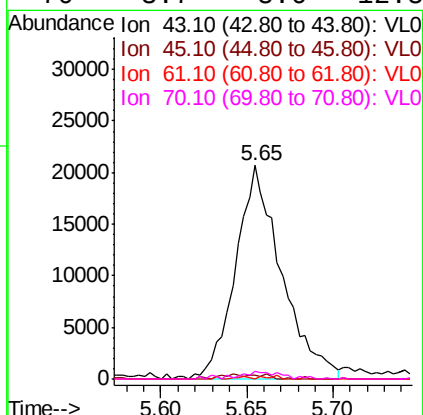
Instrument :
 MSVOA_L
 ClientSampleId :

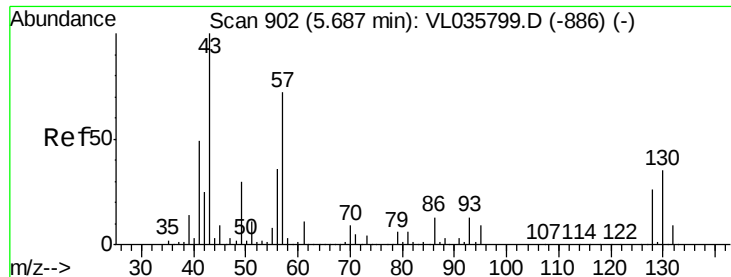
Tot Ion:	43	Resp:	28346
Ion	Ratio	Lower	Upper
43	100		
86	19.0	9.8	14.6#
42	24.0	8.1	12.1#
44	2.9	4.2	6.4#



#25
 Ethyl Acetate
 Concen: 0.188 ppbv
 RT: 5.65 min Scan# 892
 Delta R.T. -0.02 min
 Lab File: VL035840.D
 Acq: 4 Nov 2020 19:28

Tgt Ion:	43	Resp:	38459
Ion	Ratio	Lower	Upper
43	100		
45	2.1	8.5	12.7#
61	0.9	10.7	16.1#
70	3.7	8.6	12.8#

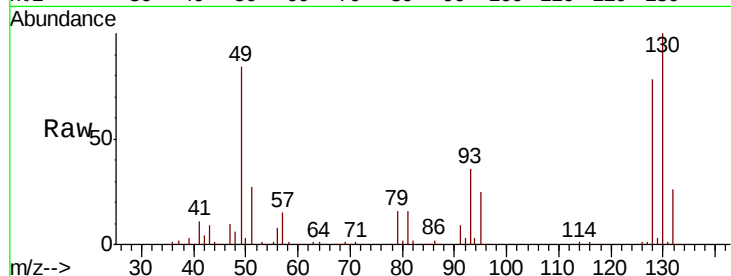




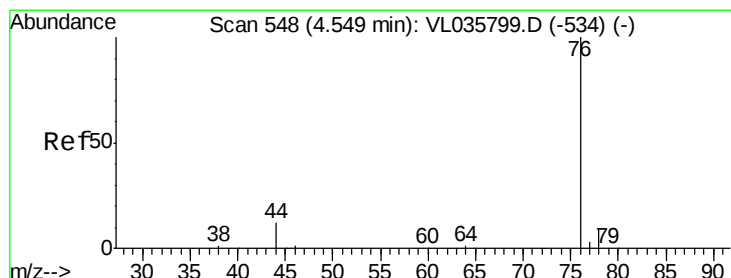
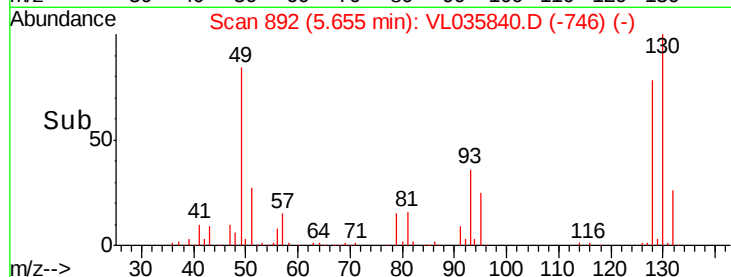
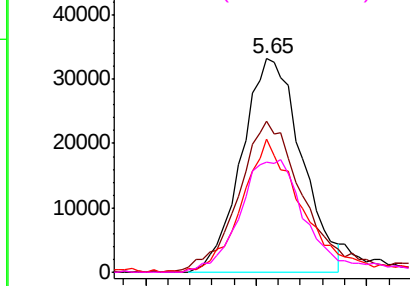
#26
Hexane
Concen: 0.553 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.03 min
Lab File: VL035840.D
Acq: 4 Nov 2020 19:28

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 57 Resp: 62492
Ion Ratio Lower Upper
57 100
41 81.4 58.9 88.3
43 66.1 150.2 225.2#
56 60.5 42.4 63.6

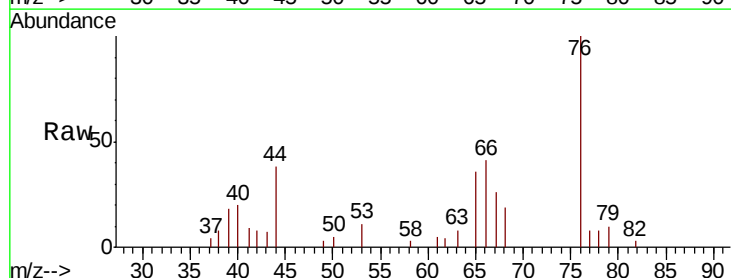


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

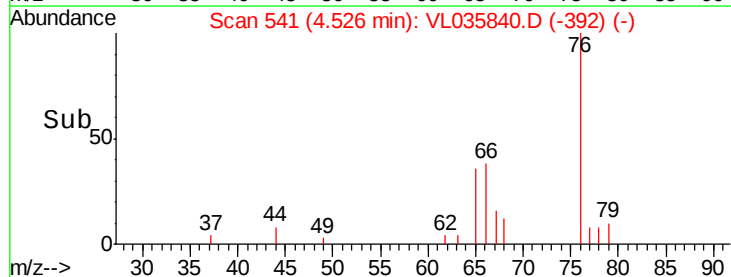
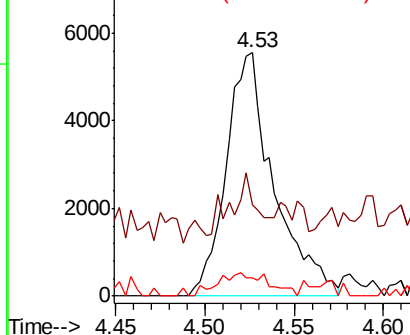


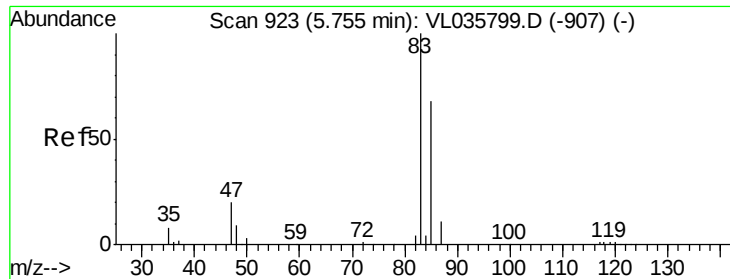
#27
Carbon Disulfide
Concen: 0.061 ppbv
RT: 4.53 min Scan# 541
Delta R.T. -0.02 min
Lab File: VL035840.D
Acq: 4 Nov 2020 19:28

Tgt Ion: 76 Resp: 10364
Ion Ratio Lower Upper
76 100
44 19.2 9.9 14.9#
78 10.1 8.1 12.1



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

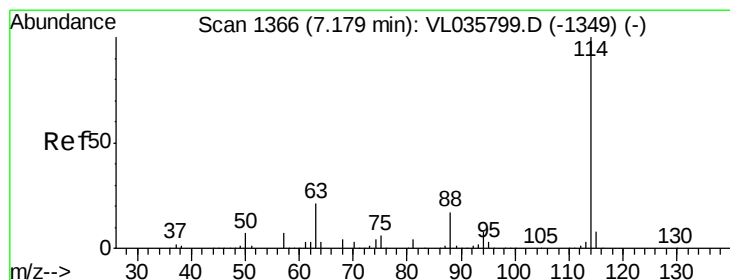
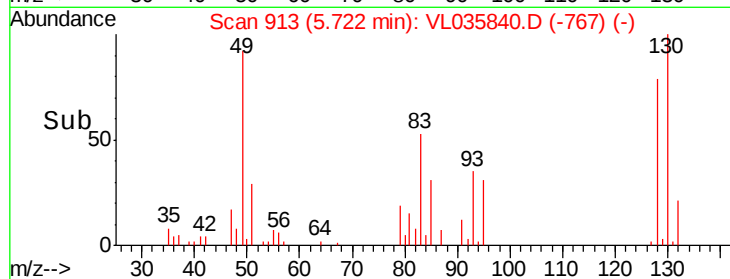
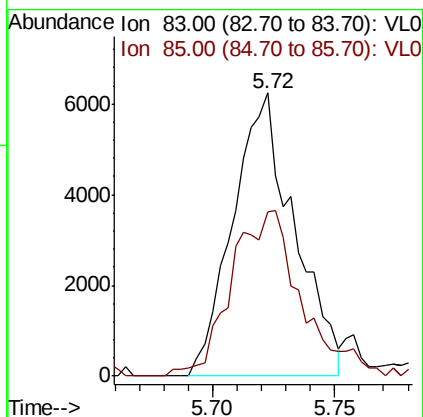
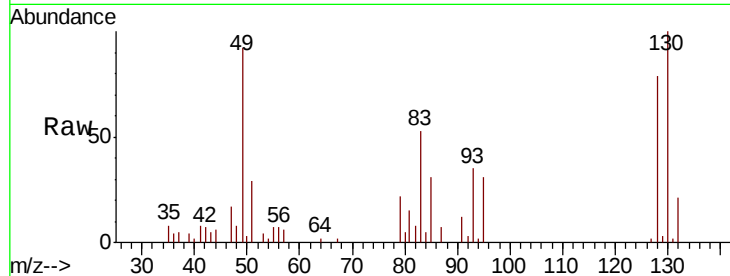




#29
Chloroform
Concen: 0.049 ppbv
RT: 5.72 min Scan# 913
Delta R.T. -0.03 min
Lab File: VL035840.D
Acq: 4 Nov 2020 19:28

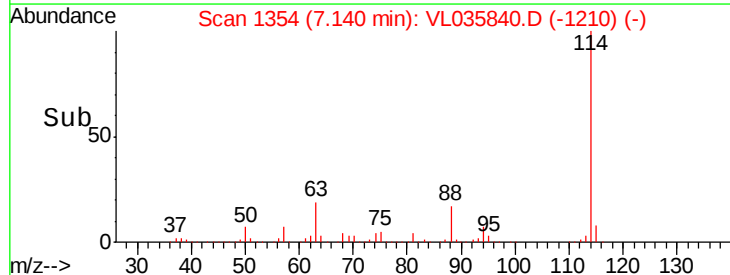
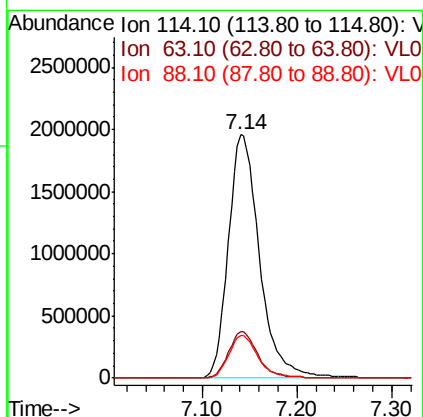
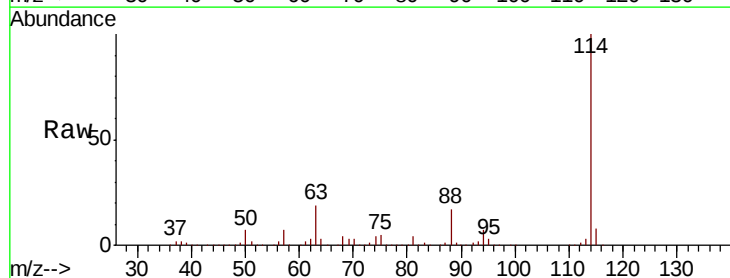
Instrument :
MSVOA_L
ClientSampleId :

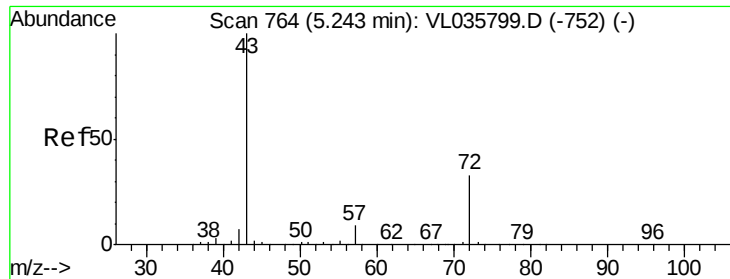
Tot Ion: 83 Resp: 10852
Ion Ratio Lower Upper
83 100
85 55.1 54.6 81.8



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. -0.04 min
Lab File: VL035840.D
Acq: 4 Nov 2020 19:28

Tgt Ion: 114 Resp: 4472221
Ion Ratio Lower Upper
114 100
63 18.4 16.1 24.1
88 16.8 13.7 20.5





#34

2-Butanone

Concen: 0.116 ppbv

RT: 5.22 min Scan# 757

Delta R.T. -0.02 min

Lab File: VL035840.D

Acq: 4 Nov 2020 19:28

Instrument :

MSVOA_L

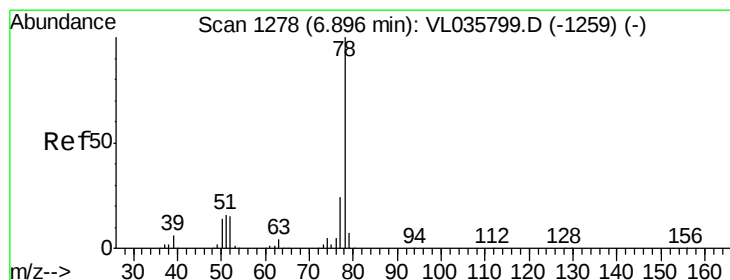
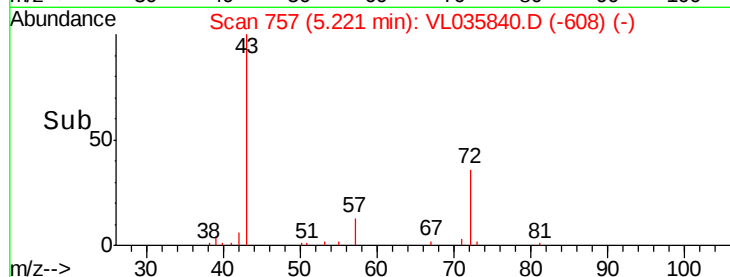
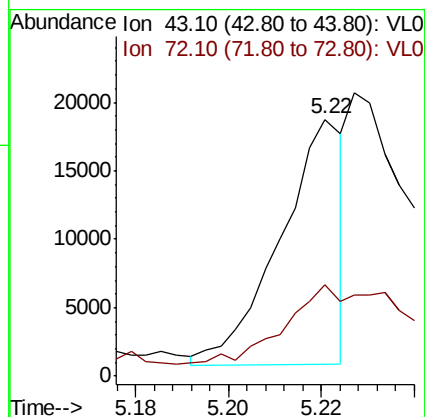
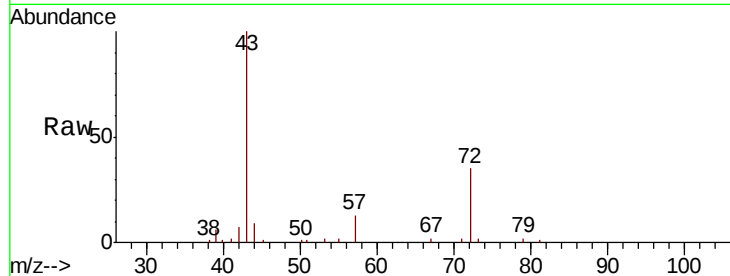
ClientSampleId :

Tot Ion: 43 Resp: 16890

Ion Ratio Lower Upper

43 100

72 100.6 26.5 39.7#



#36

Benzene

Concen: 0.123 ppbv

RT: 6.86 min Scan# 1266

Delta R.T. -0.04 min

Lab File: VL035840.D

Acq: 4 Nov 2020 19:28

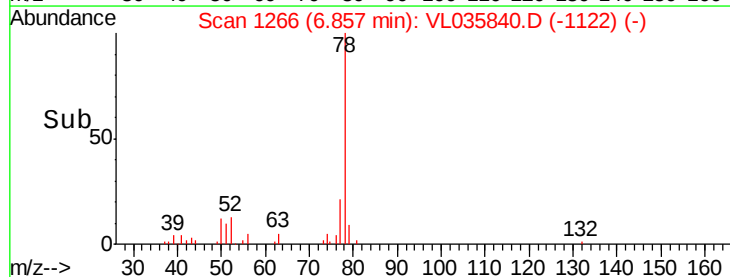
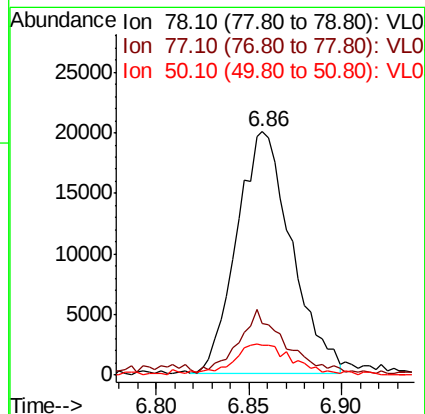
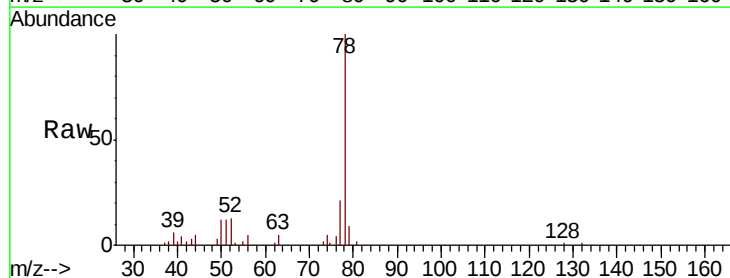
Tgt Ion: 78 Resp: 40817

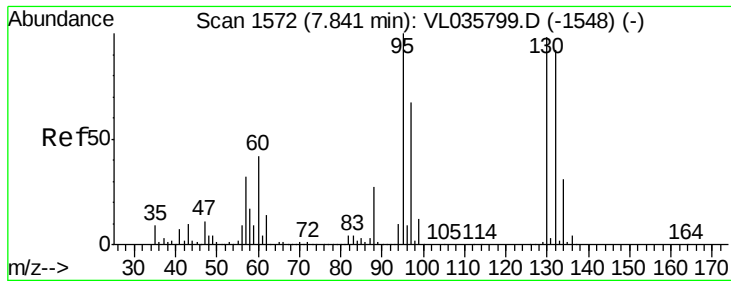
Ion Ratio Lower Upper

78 100

77 19.4 19.3 28.9

50 11.7 11.4 17.2

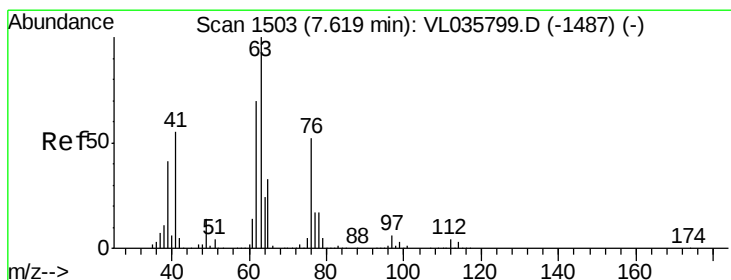
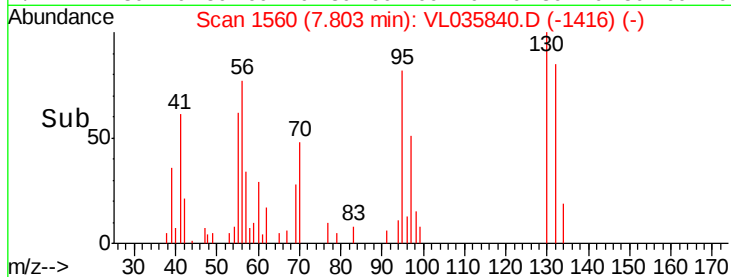
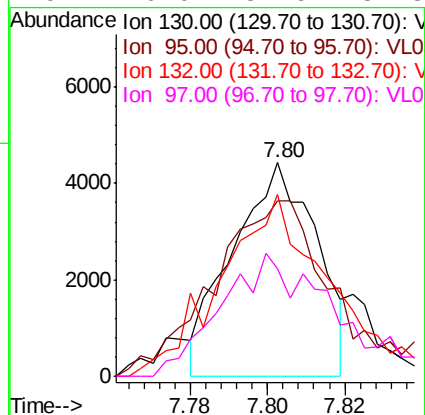
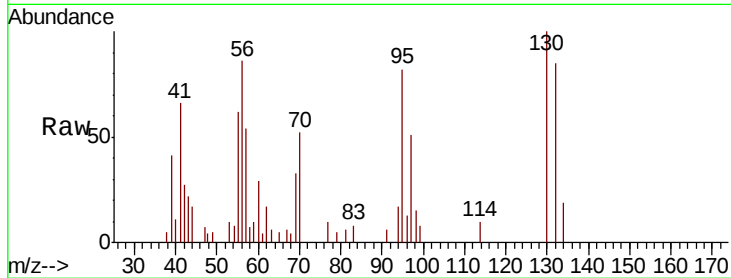




#38
 Trichloroethene
 Concen: 0.041 ppbv
 RT: 7.80 min Scan# 1560
 Delta R.T. -0.04 min
 Lab File: VL035840.D
 Acq: 4 Nov 2020 19:28

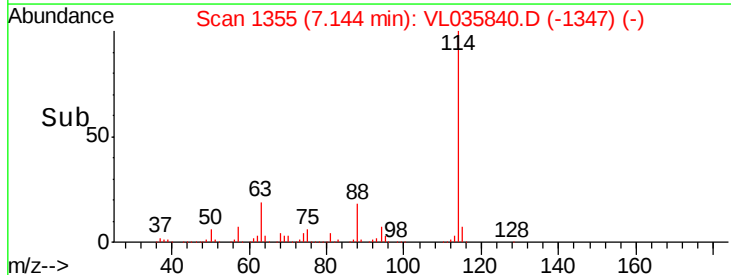
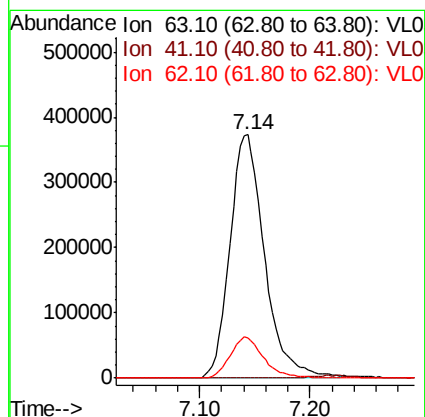
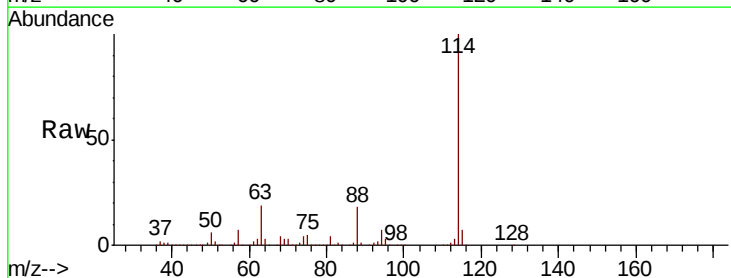
Instrument :
 MSVOA_L
 ClientSampleId :

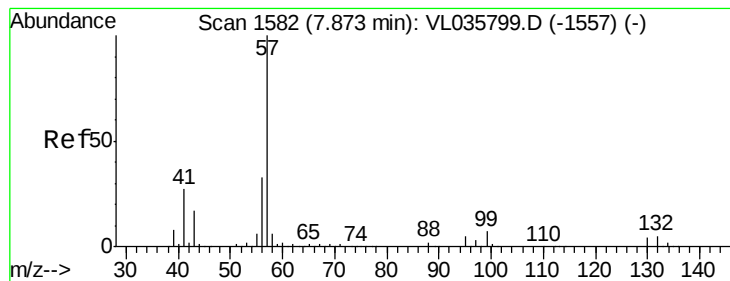
Tot Ion:130 Resp: 6685
 Ion Ratio Lower Upper
 130 100
 95 66.9 81.6 122.4#
 132 55.8 75.1 112.7#
 97 40.0 54.6 81.8#



#39
 1,2-Dichloropropane
 Concen: 7.255 ppbv
 RT: 7.14 min Scan# 1355
 Delta R.T. -0.48 min
 Lab File: VL035840.D
 Acq: 4 Nov 2020 19:28

Tgt Ion: 63 Resp: 812156
 Ion Ratio Lower Upper
 63 100
 41 0.0 43.8 65.6#
 62 16.5 56.2 84.2#





#44

2,2,4-Trimethylpentane

Concen: 0.092 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. -0.04 min

Lab File: VL035840.D

Acq: 4 Nov 2020 19:28

Instrument :

MSVOA_L

ClientSampleId :

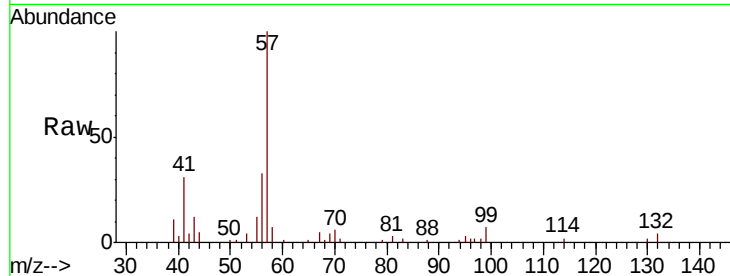
Tot Ion: 57 Resp: 40301

Ion Ratio Lower Upper

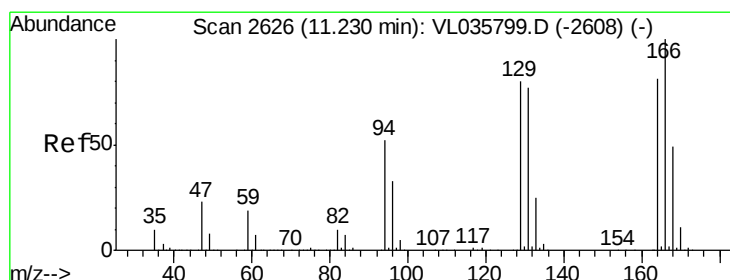
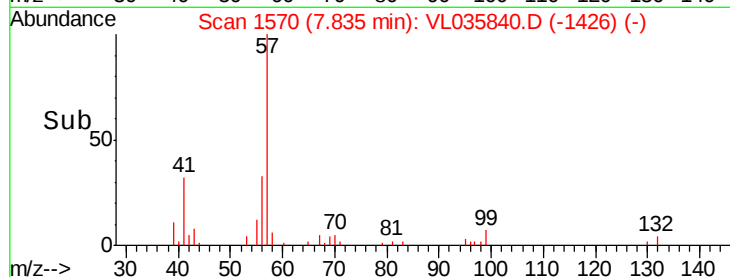
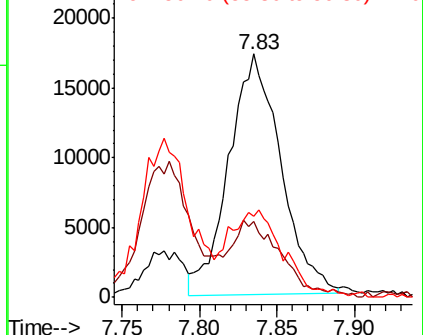
57 100

41 30.0 21.0 31.4

56 35.7 25.4 38.0



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



#52

Tetrachloroethene

Concen: 0.216 ppbv

RT: 11.19 min Scan# 2613

Delta R.T. -0.04 min

Lab File: VL035840.D

Acq: 4 Nov 2020 19:28

Tgt Ion:164 Resp: 34054

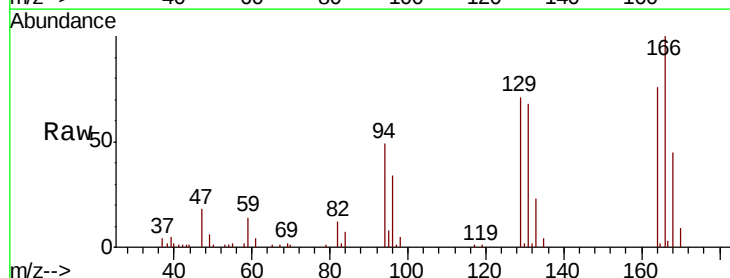
Ion Ratio Lower Upper

164 100

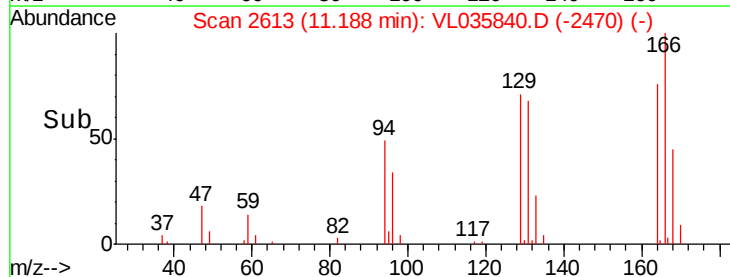
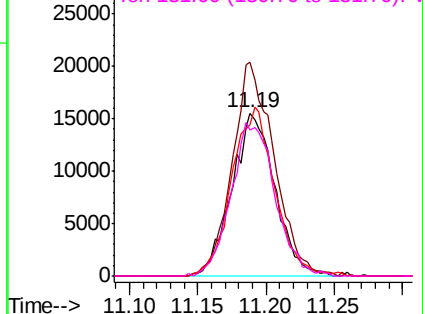
166 130.9 99.3 148.9

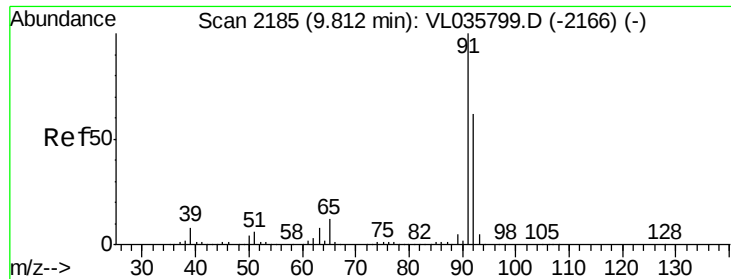
129 92.4 79.3 118.9

131 89.6 76.5 114.7



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: 0.622 ppbv

RT: 9.77 min Scan# 2172

Delta R.T. -0.04 min

Lab File: VL035840.D

Acq: 4 Nov 2020 19:28

Instrument :

MSVOA_L

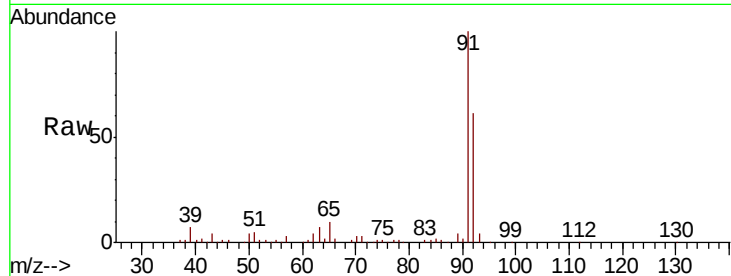
ClientSampleId :

Tot Ion: 91 Resp: 249430

Ion Ratio Lower Upper

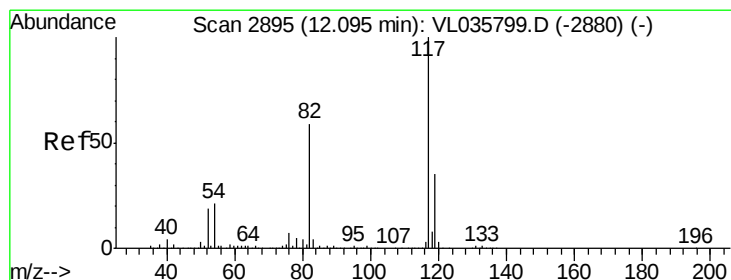
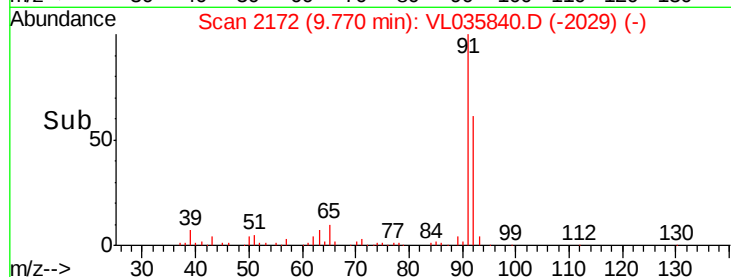
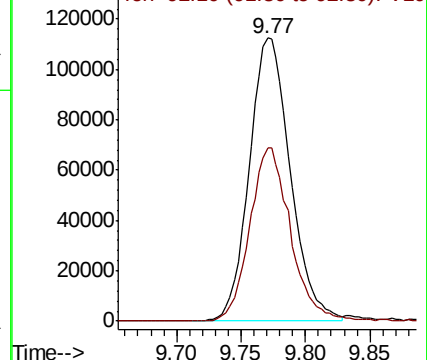
91 100

92 61.0 49.8 74.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.05 min Scan# 2882

Delta R.T. -0.04 min

Lab File: VL035840.D

Acq: 4 Nov 2020 19:28

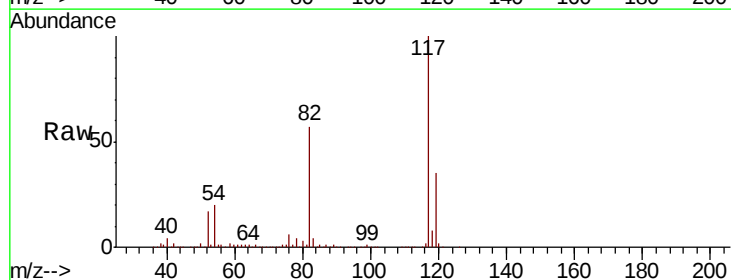
Tgt Ion: 117 Resp: 4100624

Ion Ratio Lower Upper

117 100

82 56.5 50.6 76.0

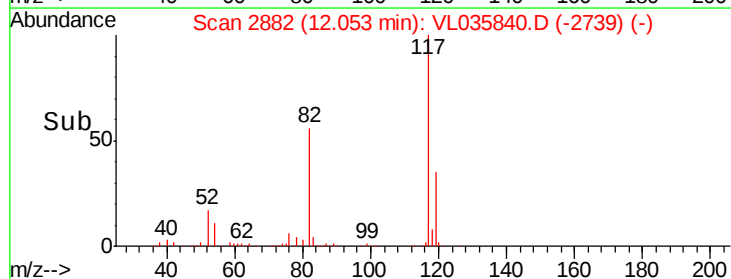
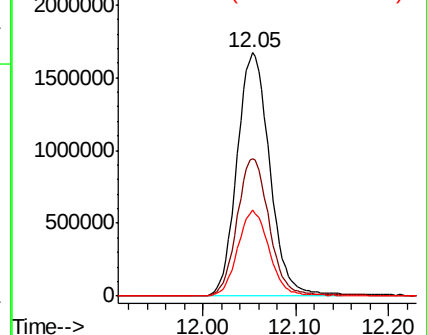
119 34.6 52.6 78.8#

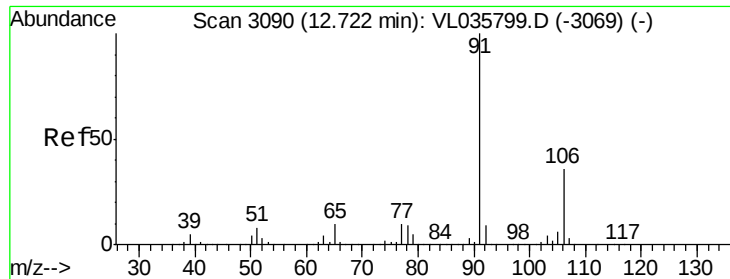


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#58

Ethyl Benzene

Concen: 0.141 ppbv

RT: 12.67 min Scan# 3075

Delta R.T. -0.05 min

Lab File: VL035840.D

Acq: 4 Nov 2020 19:28

Instrument :

MSVOA_L

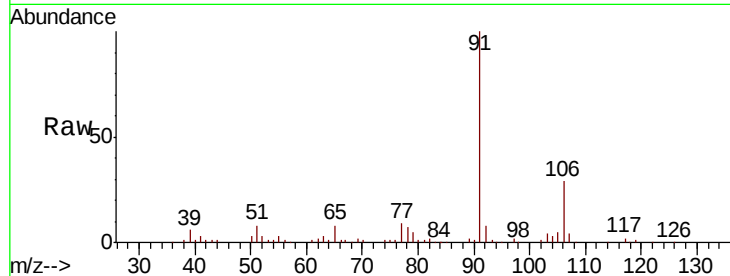
ClientSampled :

Tot Ion: 91 Resp: 70458

Ion Ratio Lower Upper

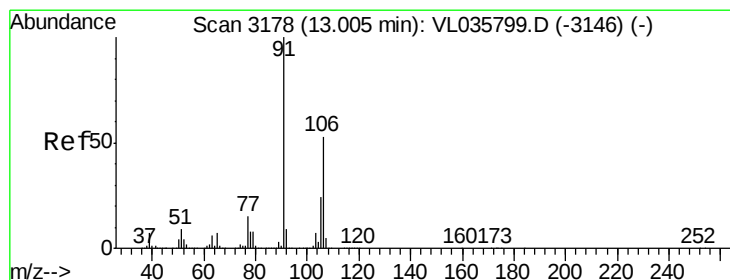
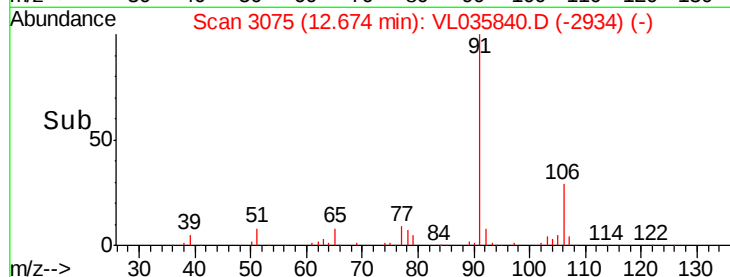
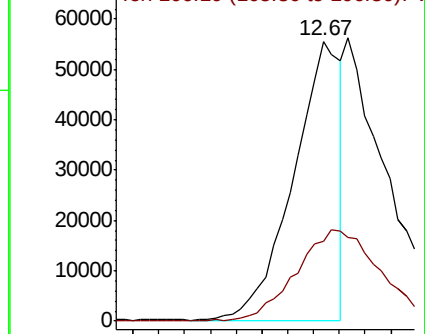
91 100

106 28.8 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: 0.734 ppbv

RT: 12.94 min Scan# 3157

Delta R.T. -0.07 min

Lab File: VL035840.D

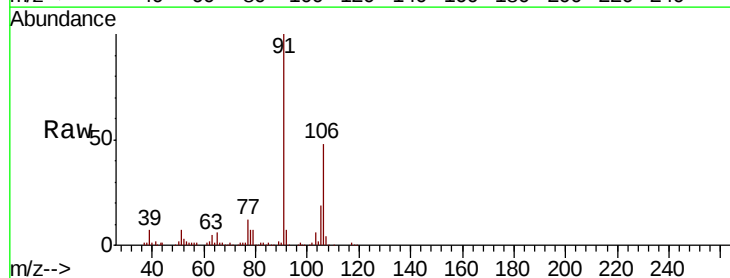
Acq: 4 Nov 2020 19:28

Tgt Ion: 91 Resp: 310320

Ion Ratio Lower Upper

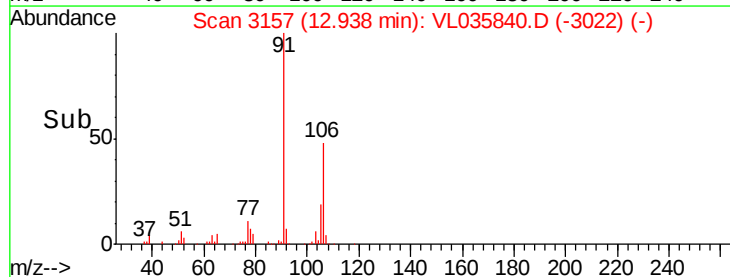
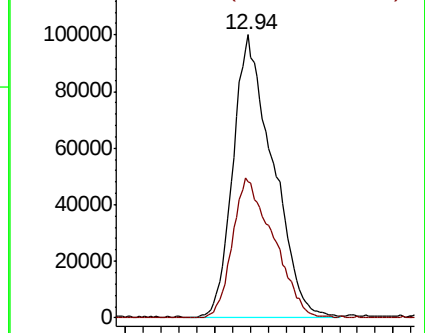
91 100

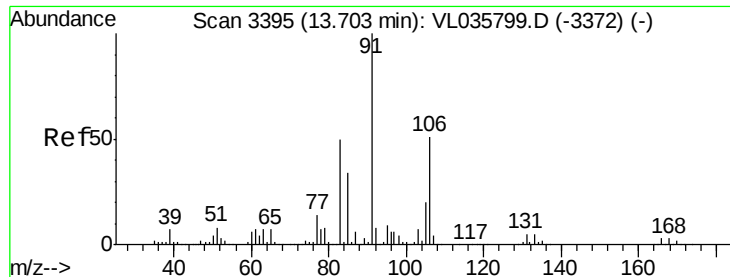
106 51.2 39.5 59.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

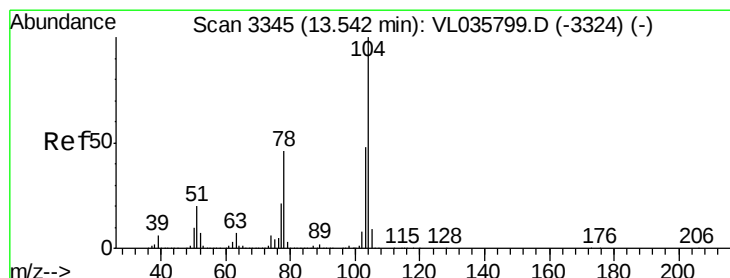
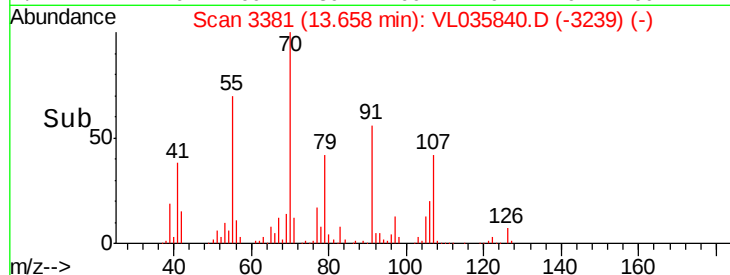
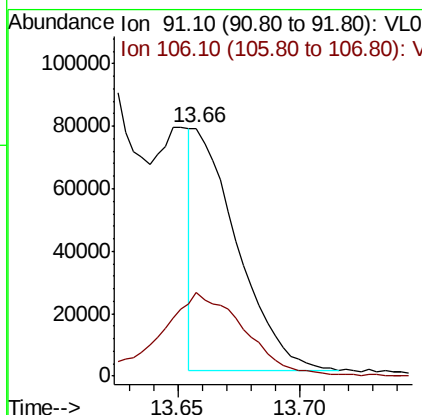
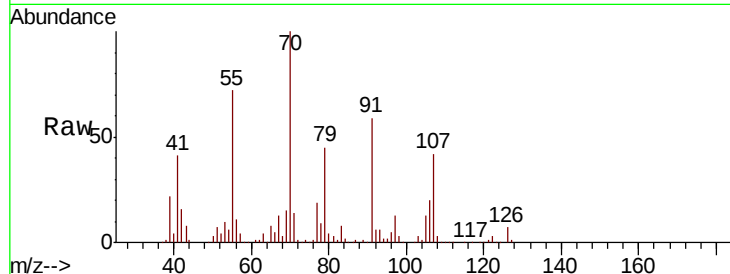




#60
o-Xylene
Concen: 0.235 ppbv
RT: 13.66 min Scan# 3381
Delta R.T. -0.04 min
Lab File: VL035840.D
Acq: 4 Nov 2020 19:28

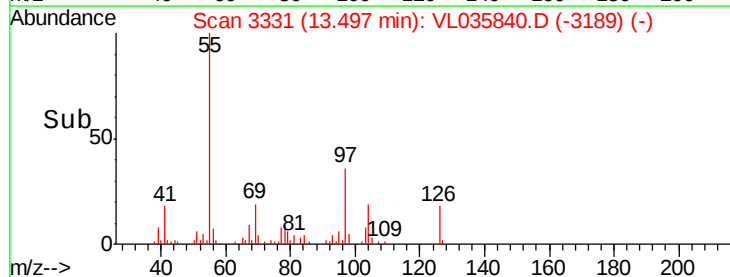
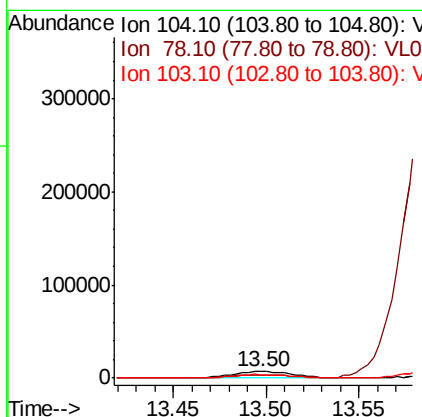
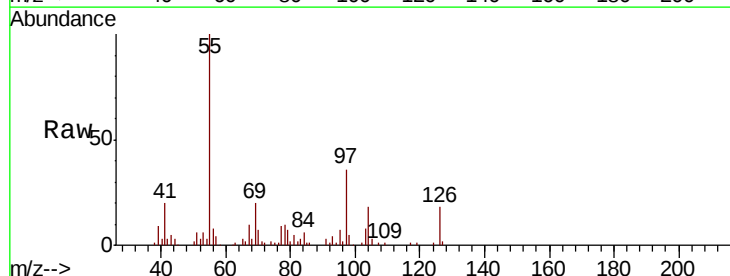
Instrument :
MSVOA_L
ClientSampled :

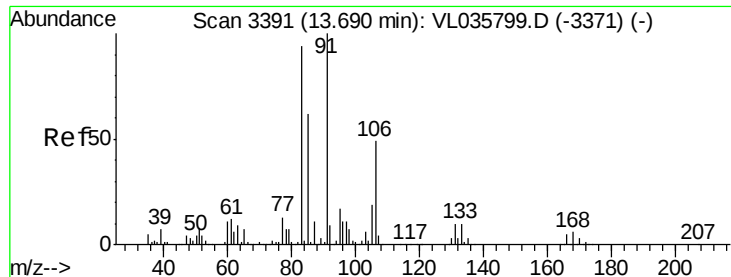
Tot Ion: 91 Resp: 96507
Ion Ratio Lower Upper
91 100
106 65.5 24.8 74.4



#61
Styrene
Concen: 0.055 ppbv
RT: 13.50 min Scan# 3331
Delta R.T. -0.04 min
Lab File: VL035840.D
Acq: 4 Nov 2020 19:28

Tgt Ion: 104 Resp: 16701
Ion Ratio Lower Upper
104 100
78 0.0 37.1 55.7#
103 47.2 37.9 56.9

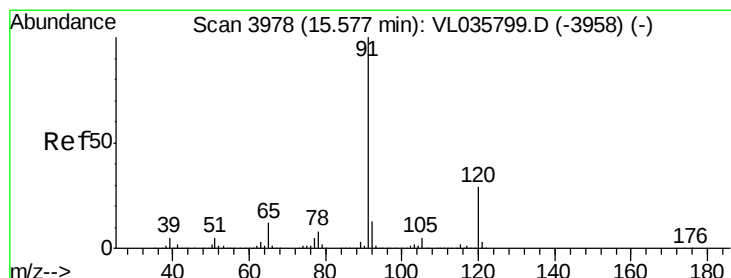
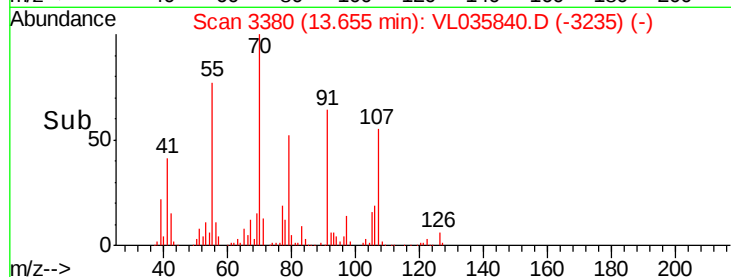
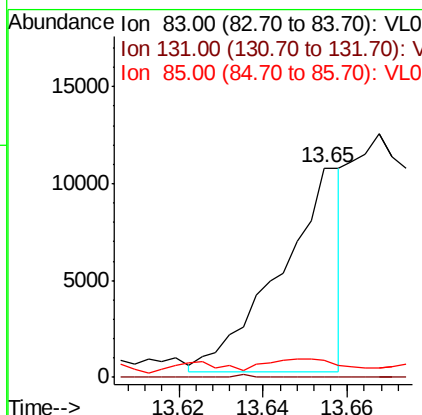
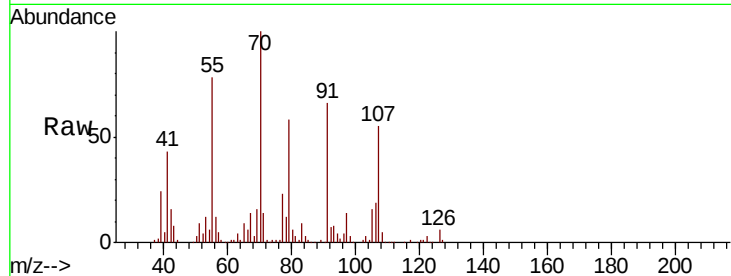




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.033 ppbv
 RT: 13.65 min Scan# 3380
 Delta R.T. -0.04 min
 Lab File: VL035840.D
 Acq: 4 Nov 2020 19:28

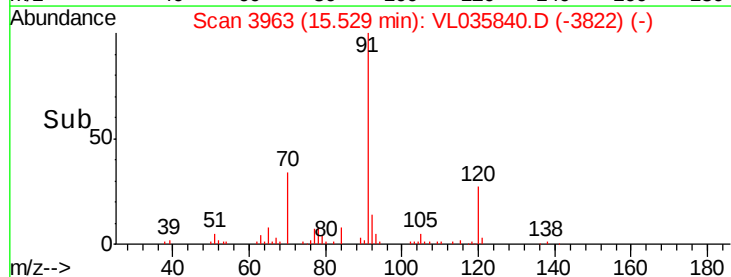
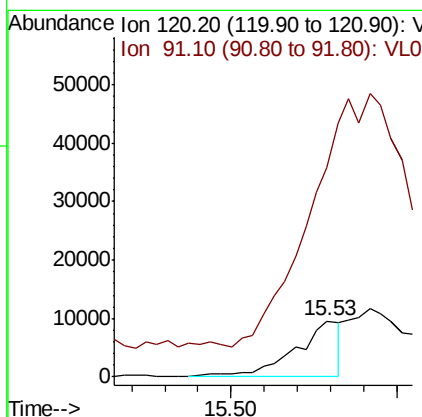
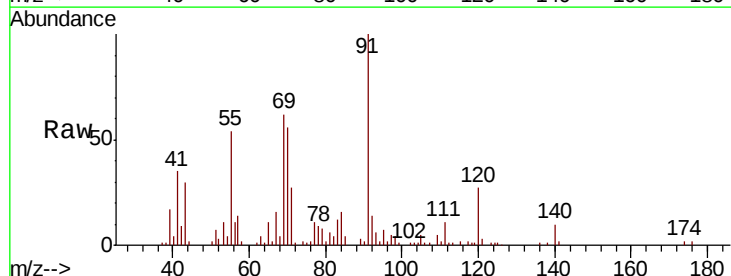
Instrument :
 MSVOA_L
 ClientSampleId :

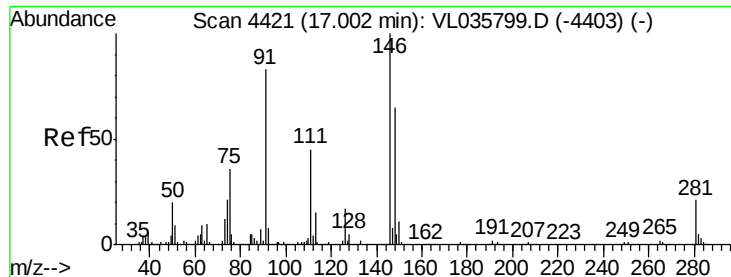
Tot Ion: 83 Resp: 10667
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.3 15.8#
 85 24.9 33.5 100.4#



#64
 n-propylbenzene
 Concen: 0.049 ppbv
 RT: 15.53 min Scan# 3963
 Delta R.T. -0.05 min
 Lab File: VL035840.D
 Acq: 4 Nov 2020 19:28

Tgt Ion:120 Resp: 9198
 Ion Ratio Lower Upper
 120 100
 91 0.0 311.1 466.7#





#66

Benzyl Chloride

Concen: 0.824 ppbv

RT: 16.64 min Scan# 4308

Delta R.T. -0.36 min

Lab File: VL035840.D

Acq: 4 Nov 2020 19:28

Instrument :

MSVOA_L

ClientSampleId :

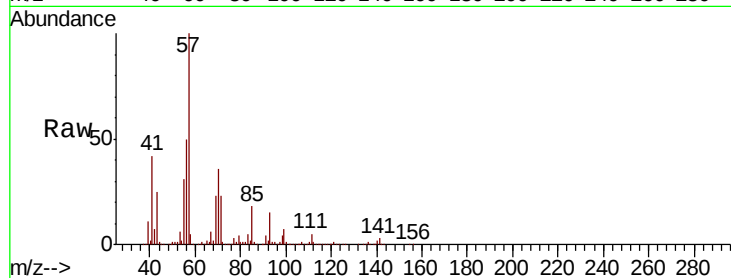
Tot Ion: 91 Resp: 160089

Ion Ratio Lower Upper

91 100

126 0.0 16.0 24.0#

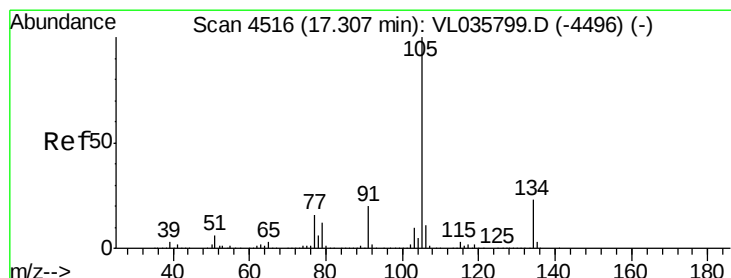
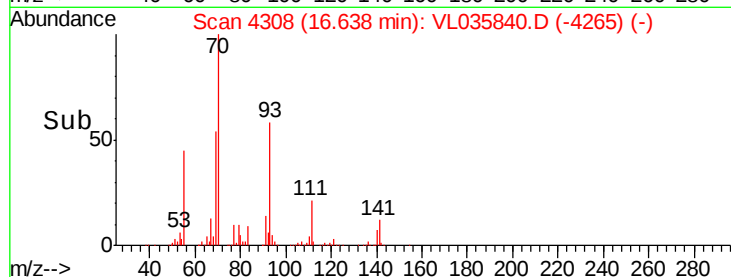
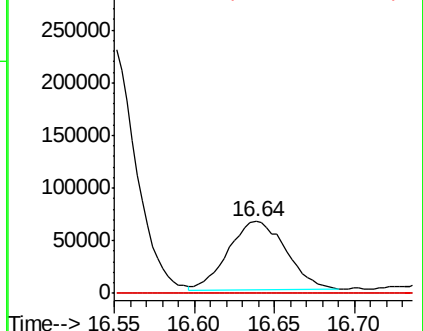
128 0.0 5.0 7.4#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V



#67

sec-Butylbenzene

Concen: 0.843 ppbv

RT: 17.47 min Scan# 4568

Delta R.T. 0.17 min

Lab File: VL035840.D

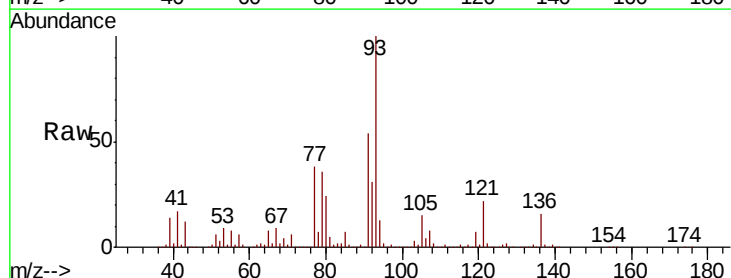
Acq: 4 Nov 2020 19:28

Tgt Ion: 105 Resp: 668378

Ion Ratio Lower Upper

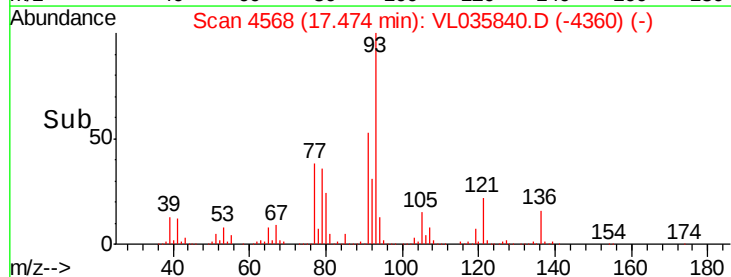
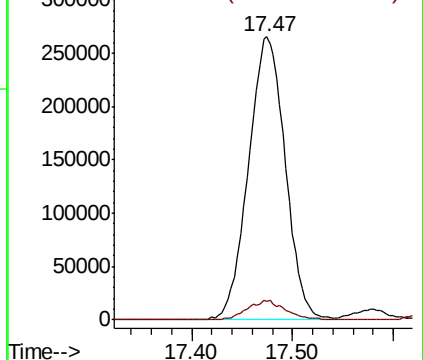
105 100

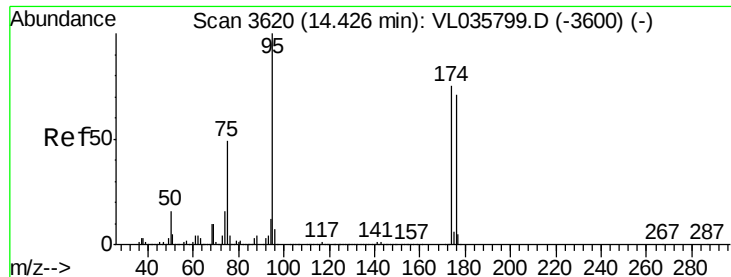
134 7.4 17.0 25.6#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

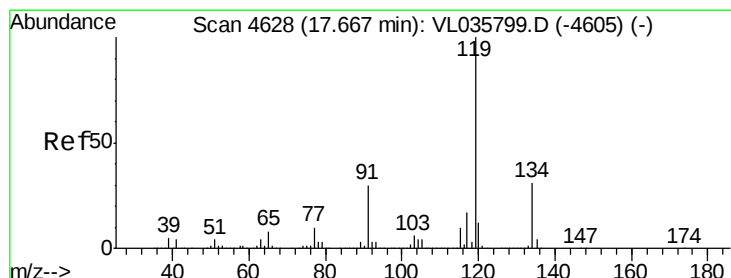
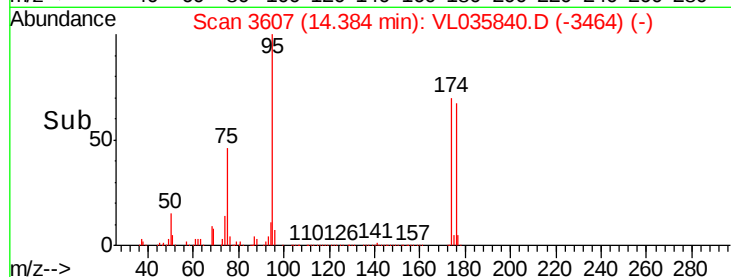
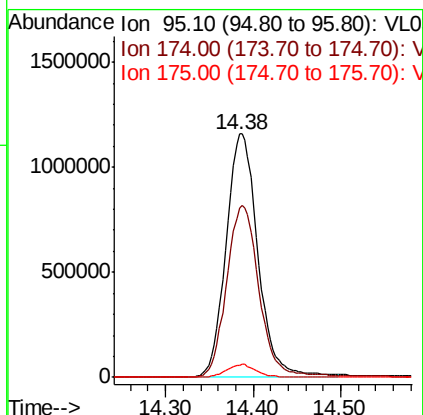
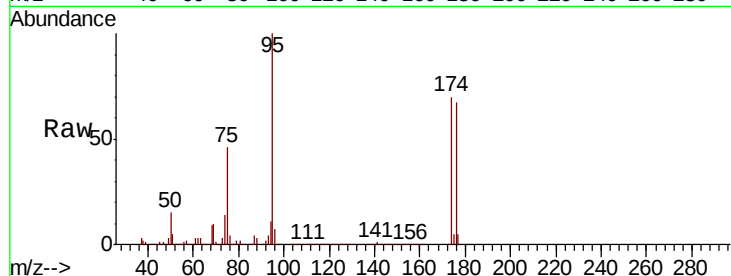




#68
1-Bromo-4-Fluorobenzene
Concen: 10.056 ppbv
RT: 14.38 min Scan# 3607
Delta R.T. -0.04 min
Lab File: VL035840.D
Acq: 4 Nov 2020 19:28

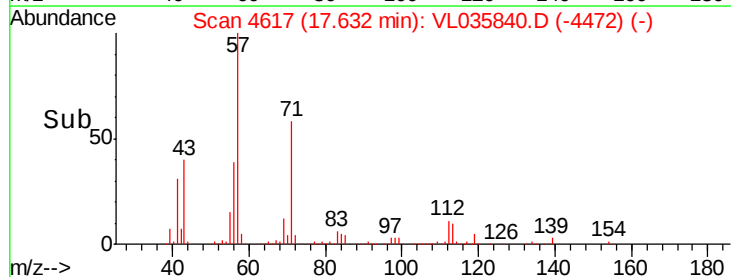
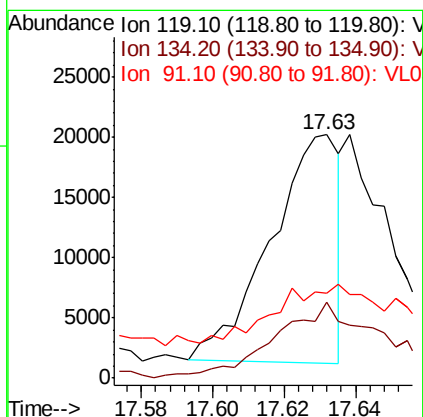
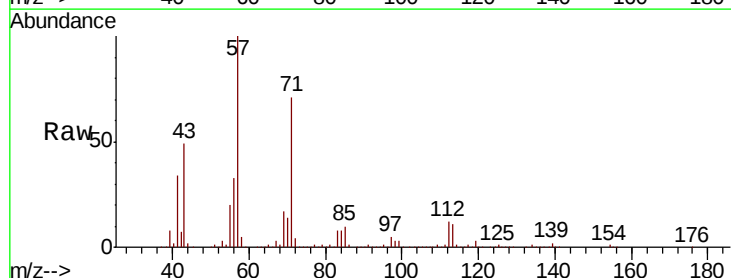
Instrument :
MSVOA_L
ClientSampleId :

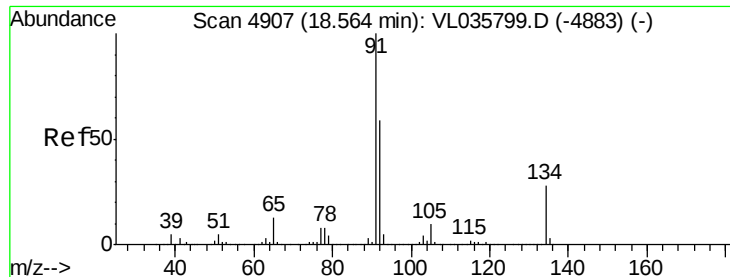
Tot Ion: 95 Resp: 2929824
Ion Ratio Lower Upper
95 100
174 73.5 59.8 89.6
175 5.2 4.3 6.5



#69
p-Isopropyltoluene
Concen: 0.039 ppbv
RT: 17.63 min Scan# 4617
Delta R.T. -0.04 min
Lab File: VL035840.D
Acq: 4 Nov 2020 19:28

Tgt Ion: 119 Resp: 25366
Ion Ratio Lower Upper
119 100
134 54.2 23.0 34.6#
91 0.0 22.8 34.2#

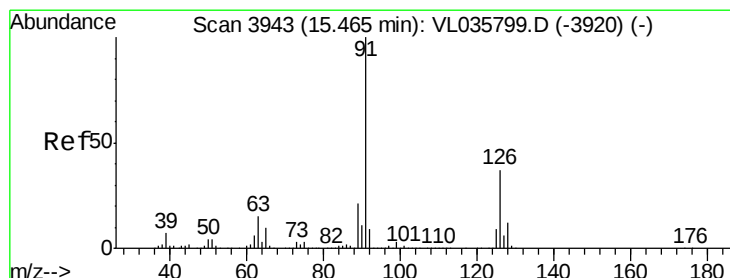
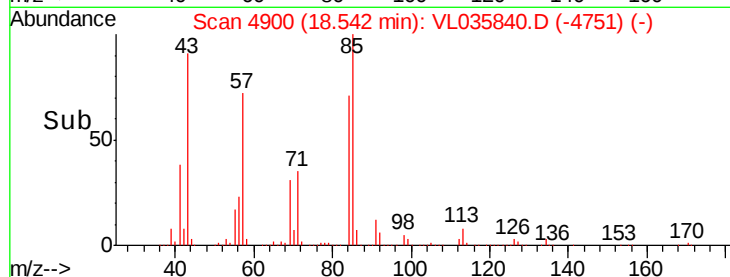
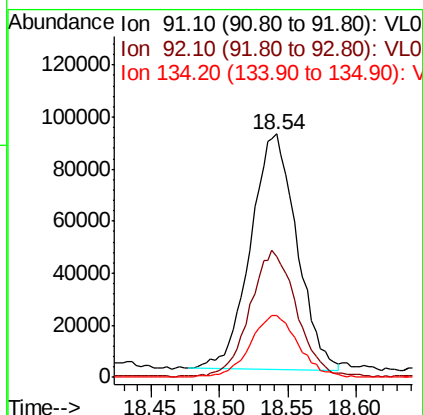
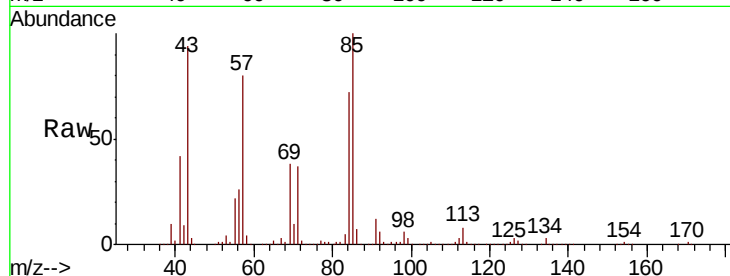




#70
n-Butylbenzene
Concen: 0.337 ppbv
RT: 18.54 min Scan# 4900
Delta R.T. -0.02 min
Lab File: VL035840.D
Acq: 4 Nov 2020 19:28

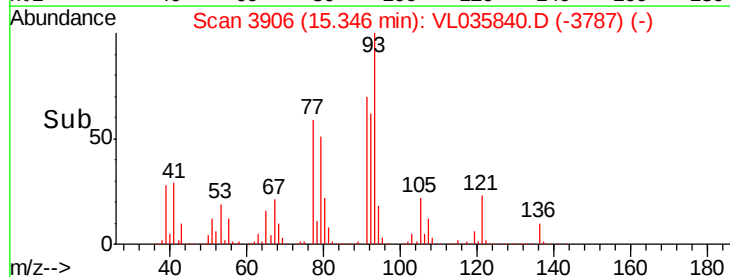
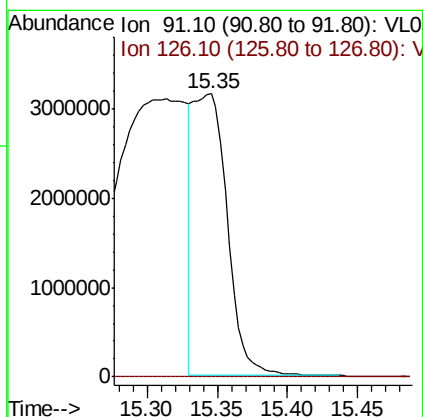
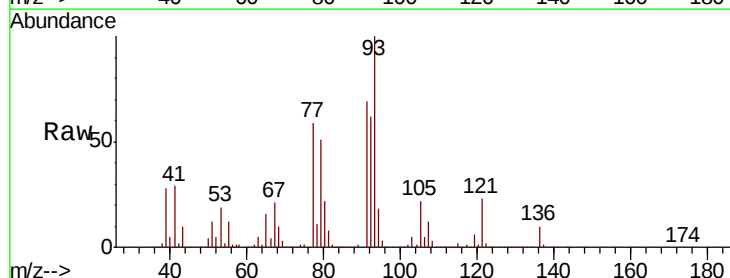
Instrument :
MSVOA_L
ClientSampled :

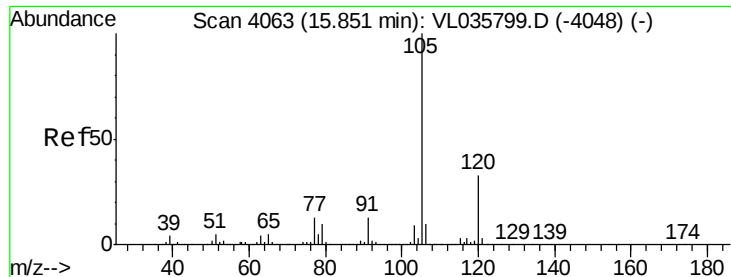
Tot Ion: 91 Resp: 212477
Ion Ratio Lower Upper
91 100
92 53.7 45.7 68.5
134 27.5 21.0 31.4



#71
2-Chlorotoluene
Concen: 11.169 ppbv
RT: 15.35 min Scan# 3906
Delta R.T. -0.12 min
Lab File: VL035840.D
Acq: 4 Nov 2020 19:28

Tgt Ion: 91 Resp: 5278248
Ion Ratio Lower Upper
91 100
126 0.1 14.3 57.1#





#72

4-Ethyltoluene

Concen: 0.107 ppbv

RT: 15.82 min Scan# 4052

Delta R.T. -0.04 min

Lab File: VL035840.D

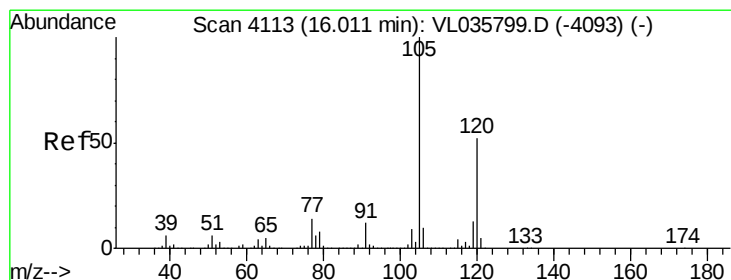
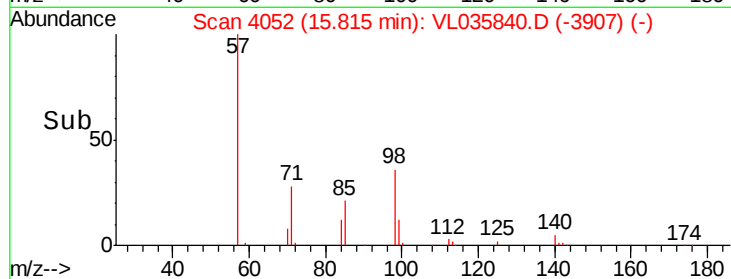
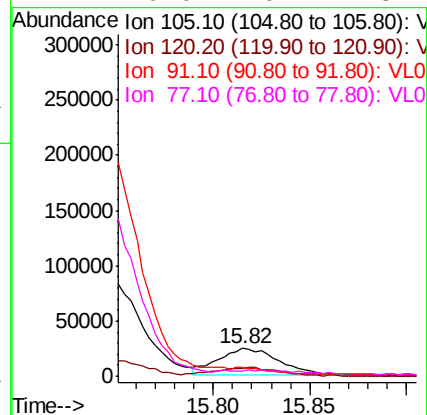
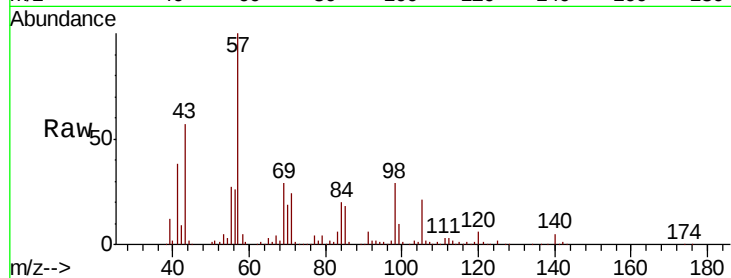
Acq: 4 Nov 2020 19:28

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	105	Resp:	53457
Ion	Ratio	Lower	Upper
105	100		
120	34.2	25.9	38.9
91	0.0	9.9	14.9
77	0.0	10.2	15.2



#73

1,3,5-Trimethylbenzene

Concen: 0.070 ppbv

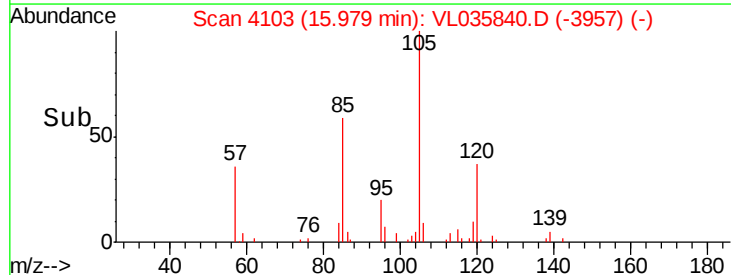
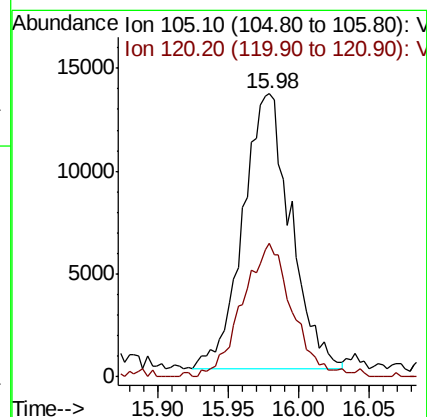
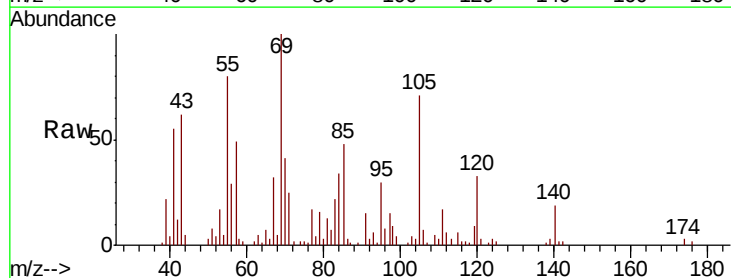
RT: 15.98 min Scan# 4103

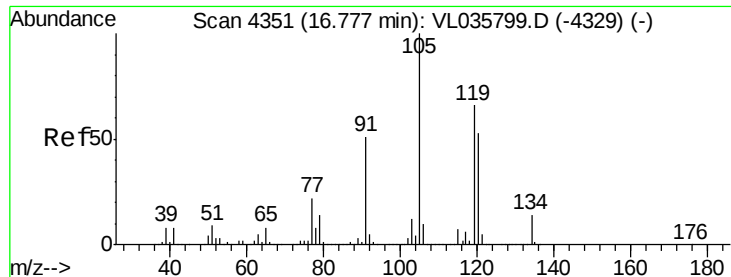
Delta R.T. -0.03 min

Lab File: VL035840.D

Acq: 4 Nov 2020 19:28

Tgt Ion:	105	Resp:	31840
Ion	Ratio	Lower	Upper
105	100		
120	48.5	41.4	62.2





#74

1,2,4-Trimethylbenzene

Concen: 0.242 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.04 min

Lab File: VL035840.D

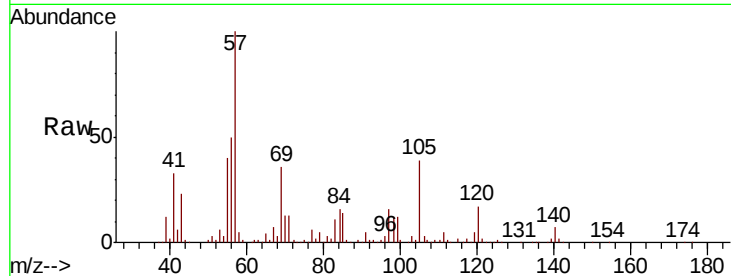
Acq: 4 Nov 2020 19:28

Instrument :

MSVOA_L

ClientSampled :

Tot Ion:	105	Resp:	118179
Ion	Ratio	Lower	Upper
105	100		
120	44.0	42.0	63.0
91	10.3	41.0	61.6#
77	12.3	17.3	25.9#



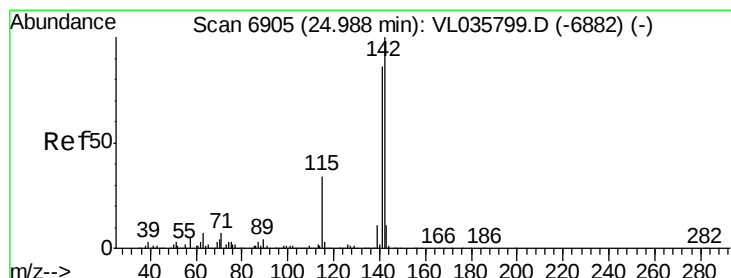
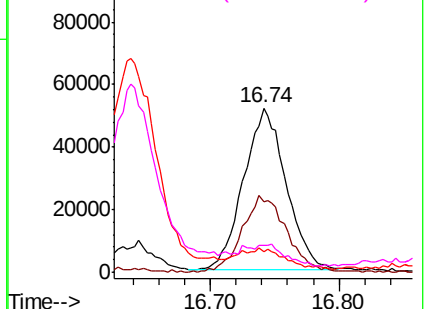
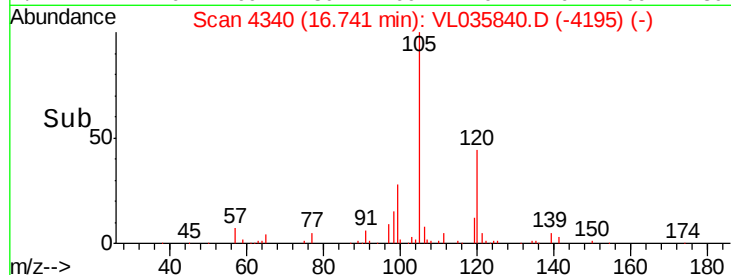
Abundance

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



#80

Naphthalene, 2-methyl-

Concen: 0.170 ppbv

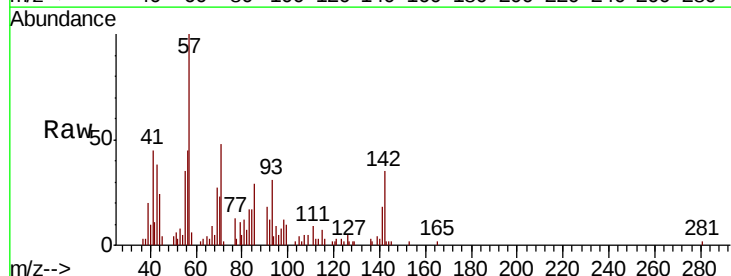
RT: 24.95 min Scan# 6892

Delta R.T. -0.04 min

Lab File: VL035840.D

Acq: 4 Nov 2020 19:28

Tgt Ion:	142	Resp:	9461
Ion	Ratio	Lower	Upper
142	100		
141	67.4	67.8	101.8#
115	33.7	28.1	42.1



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

