

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080620\
 Data File : VL035345.D
 Acq On : 6 Aug 2020 11:41
 Operator : SY/AP
 Sample : L3557-01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

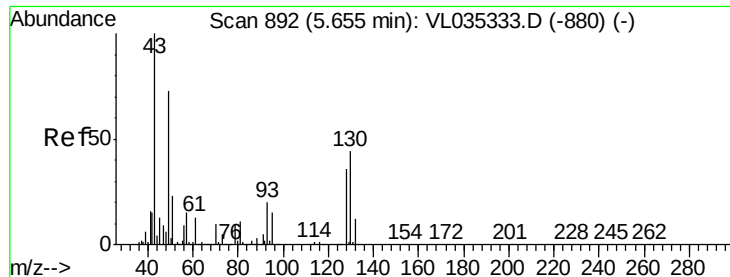
Quant Time: Aug 07 06:25:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 05 13:04:46 2020
 QLast Update : Wed Aug 05 13:04:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1180294	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.16	114	3034766	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	2921636	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	2507132	10.29	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	33342	0.212	ppbv 97
3) Chlorodifluoromethane	2.94	51	56837	0.422	ppbv 100
4) Chloromethane	3.09	50	51522	0.675	ppbv 89
9) Propene	2.97	41	21367	0.445	ppbv 89
10) Heptane	8.11	43	16988	0.139	ppbv # 25
11) Trichlorofluoromethane	3.91	101	49490	0.243	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.45	101	6038	0.042	ppbv # 33
13) Ethanol	3.56	45	1848282	111.621	ppbv 97
15) Acetone	3.80	43	2564082	15.298	ppbv 98
16) 1,3-Butadiene	3.27	39	2867	0.044	ppbv # 9
17) tert-Butyl alcohol	4.26	59	23347	0.152	ppbv # 71
19) Isopropyl Alcohol	3.93	45	340234	3.202	ppbv # 1
20) Methylene Chloride	4.31	84	204106	2.986	ppbv 89
23) Vinyl Acetate	5.03	43	183391	1.141	ppbv # 96
25) Ethyl Acetate	5.66	43	293207	1.151	ppbv # 91
26) Hexane	5.66	57	262126	2.373	ppbv # 57
27) Carbon Disulfide	4.52	76	50819	0.329	ppbv # 71
34) 2-Butanone	5.22	43	156187	1.045	ppbv 95
36) Benzene	6.87	78	53547	0.261	ppbv # 90
37) 1,2-Dichloroethane	6.28	62	8710	0.061	ppbv # 83
39) 1,2-Dichloropropane	7.16	63	784167	9.452	ppbv # 22
41) Tetrahydrofuran	6.00	42	4663	0.064	ppbv # 60
44) 2,2,4-Trimethylpentane	7.86	57	12516	0.034	ppbv # 1
50) 4-Methyl-2-Pentanone	8.75	43	18604	0.082	ppbv # 76
51) 2-Hexanone	10.14	43	6458	0.036	ppbv # 1
53) Toluene	9.81	91	2259524	10.136	ppbv 100
58) Ethyl Benzene	12.73	91	89574	0.295	ppbv 92
59) m/p-Xylene	12.99	91	167791	0.593	ppbv 96
60) o-Xylene	13.71	91	53245	0.190	ppbv 78
61) Styrene	13.54	104	21380	0.125	ppbv # 30
64) n-propylbenzene	15.79	120	4102	0.036	ppbv 68
72) 4-Ethyltoluene	15.85	105	9758	0.030	ppbv # 45
74) 1,2,4-Trimethylbenzene	16.78	105	44610	0.127	ppbv # 71
76) 1,4-Dichlorobenzene	17.15	146	6972	0.033	ppbv # 1
79) Naphthalene	22.23	128	40557	0.150	ppbv # 94
80) Naphthalene,2-methyl-	25.00	142	9137	0.149	ppbv # 92

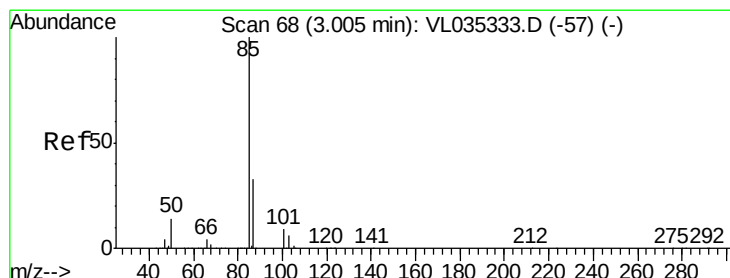
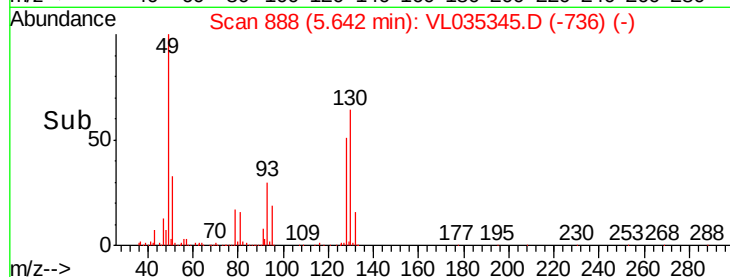
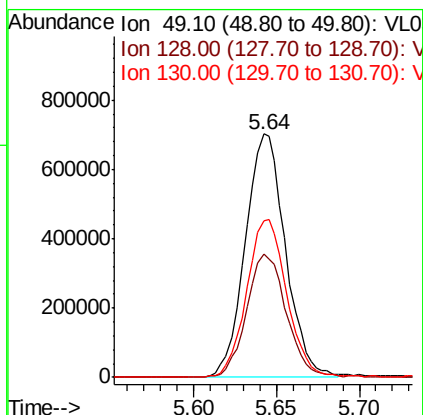
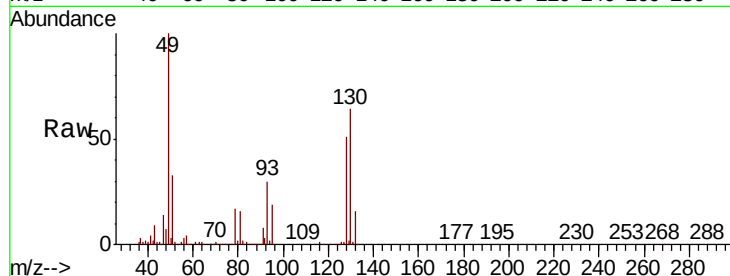
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.64 min Scan# 888
 Delta R.T. -0.01 min
 Lab File: VL035345.D
 Acq: 6 Aug 2020 11:41

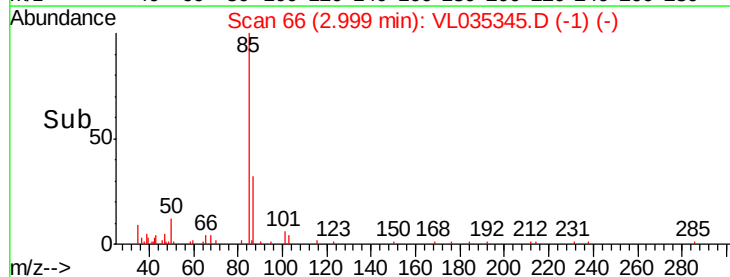
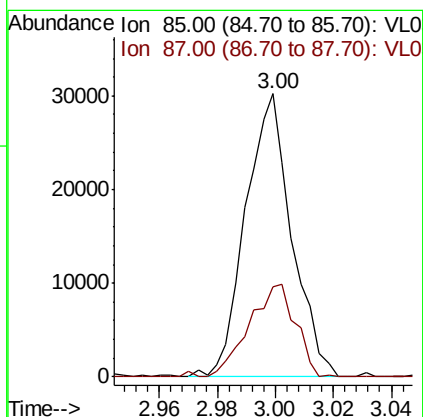
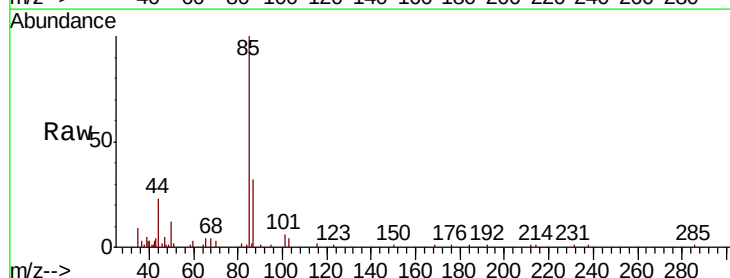
Instrument :
 MSVOA_L
 ClientSampleId :

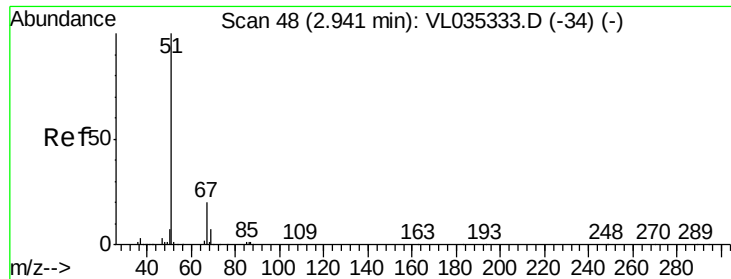
Tot Ion: 49 Resp: 1180294
 Ion Ratio Lower Upper
 49 100
 128 51.0 25.4 76.0
 130 65.5 32.1 96.3



#2
 Dichlorodifluoromethane
 Concen: 0.212 ppbv
 RT: 3.00 min Scan# 66
 Delta R.T. -0.01 min
 Lab File: VL035345.D
 Acq: 6 Aug 2020 11:41

Tgt Ion: 85 Resp: 33342
 Ion Ratio Lower Upper
 85 100
 87 31.7 26.7 40.1





#3

Chlorodifluoromethane

Concen: 0.422 ppbv

RT: 2.94 min Scan# 47

Delta R.T. -0.00 min

Lab File: VL035345.D

Acq: 6 Aug 2020 11:41

Instrument :

MSVOA_L

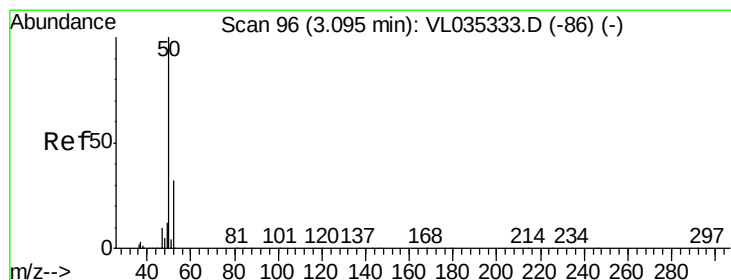
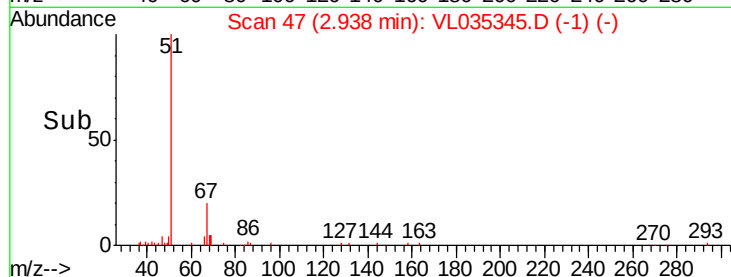
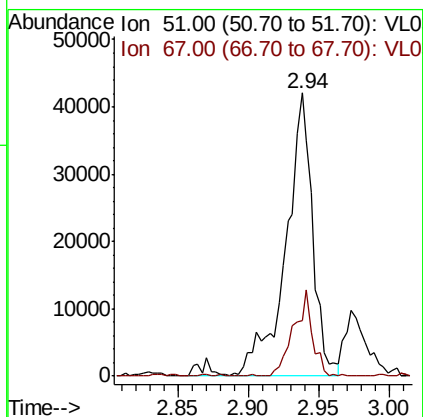
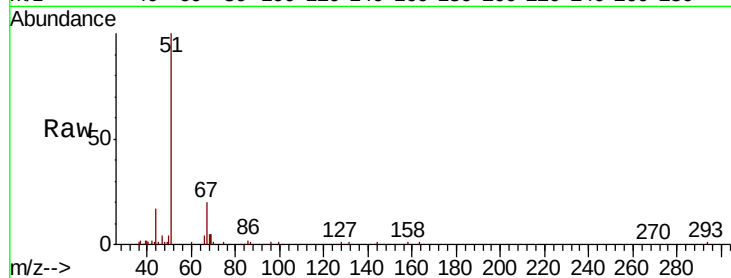
ClientSampleId :

Tot Ion: 51 Resp: 56837

Ion Ratio Lower Upper

51 100

67 20.7 16.6 25.0



#4

Chloromethane

Concen: 0.675 ppbv

RT: 3.09 min Scan# 94

Delta R.T. -0.01 min

Lab File: VL035345.D

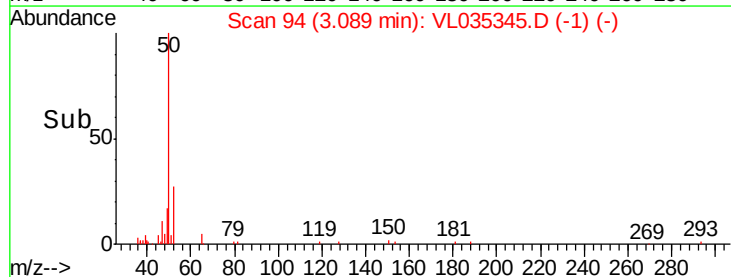
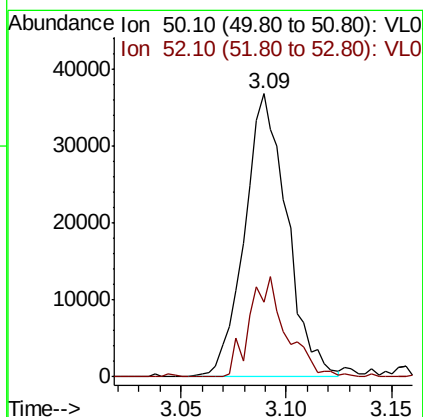
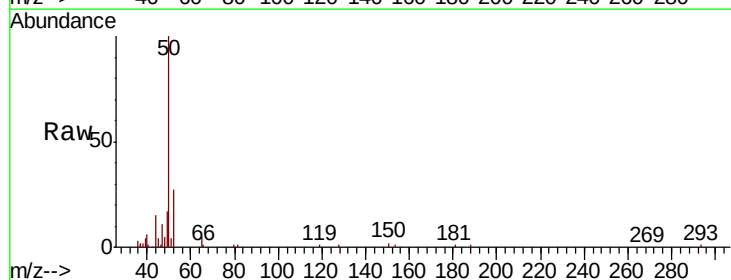
Acq: 6 Aug 2020 11:41

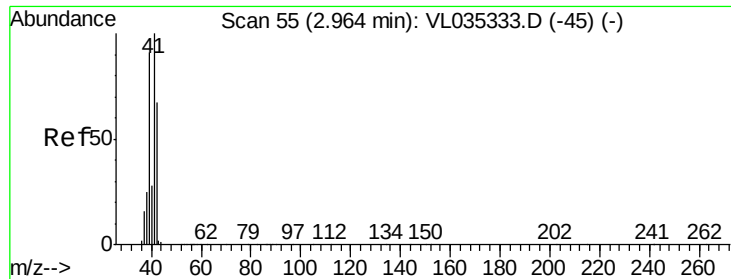
Tgt Ion: 50 Resp: 51522

Ion Ratio Lower Upper

50 100

52 26.6 26.0 39.0





#9

Propene

Concen: 0.445 ppbv

RT: 2.97 min Scan# 57

Delta R.T. 0.01 min

Lab File: VL035345.D

Acq: 6 Aug 2020 11:41

Instrument :

MSVOA_L

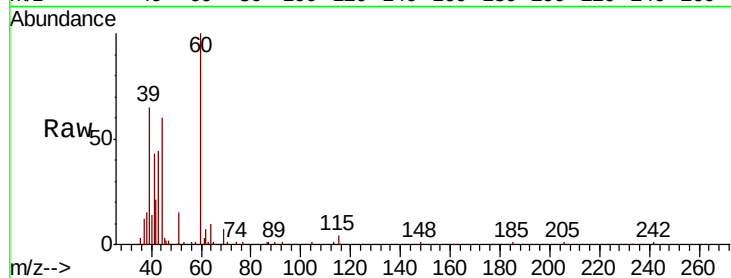
ClientSampleId :

Tot Ion: 41 Resp: 21367

Ion Ratio Lower Upper

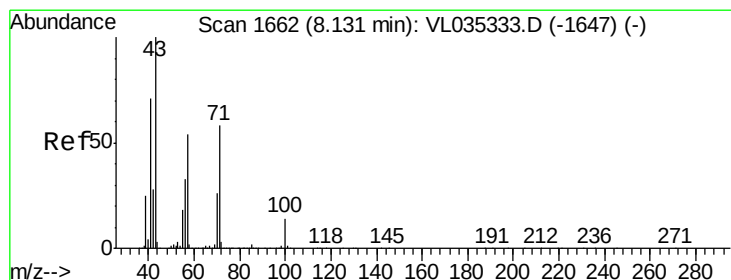
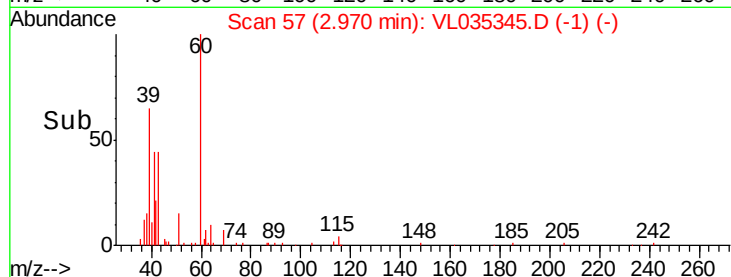
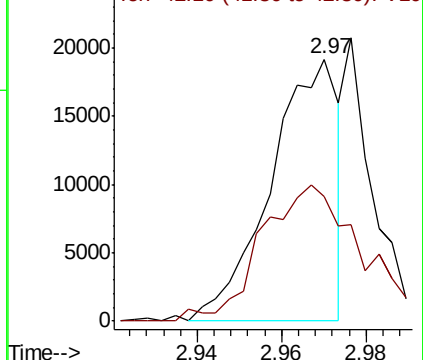
41 100

42 78.4 55.3 82.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.139 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. -0.02 min

Lab File: VL035345.D

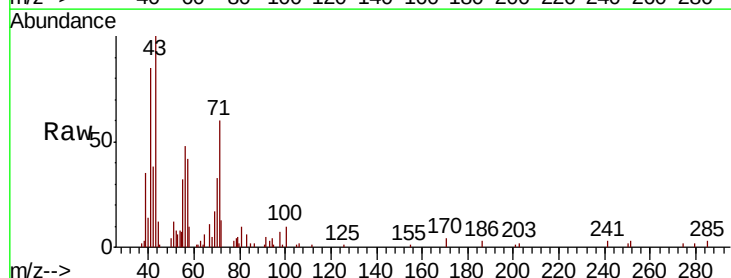
Acq: 6 Aug 2020 11:41

Tgt Ion: 43 Resp: 16988

Ion Ratio Lower Upper

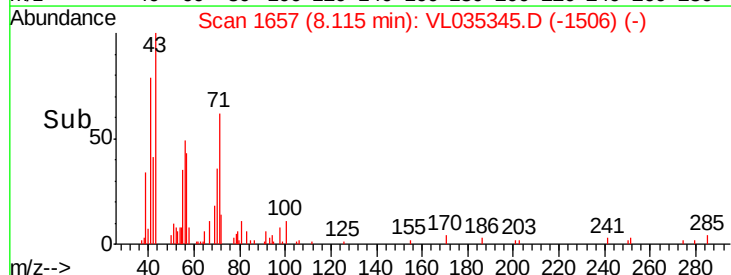
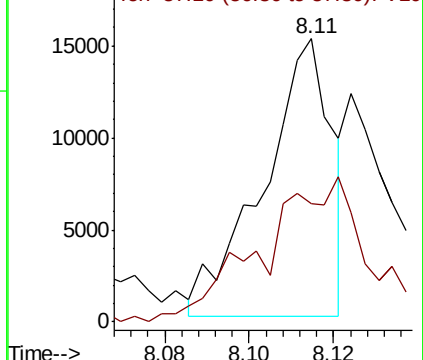
43 100

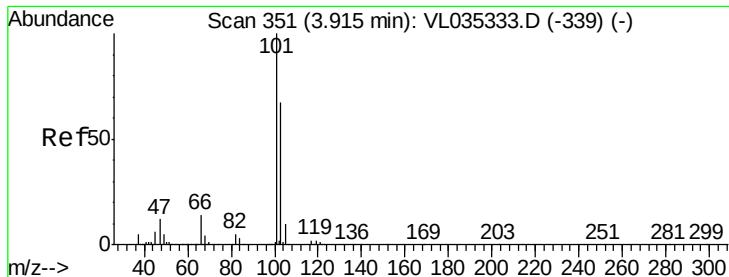
57 0.0 43.0 64.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

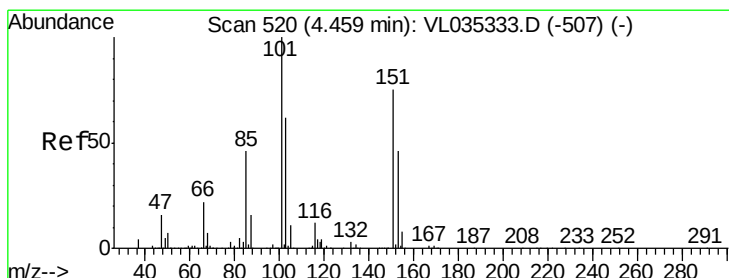
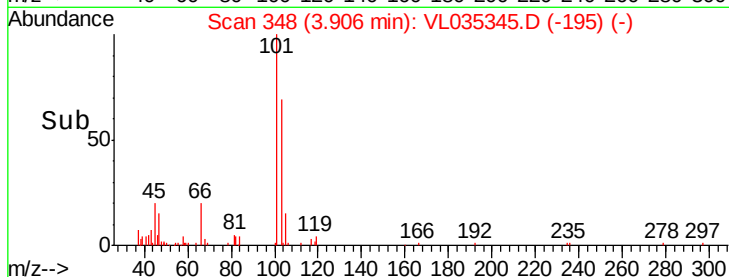
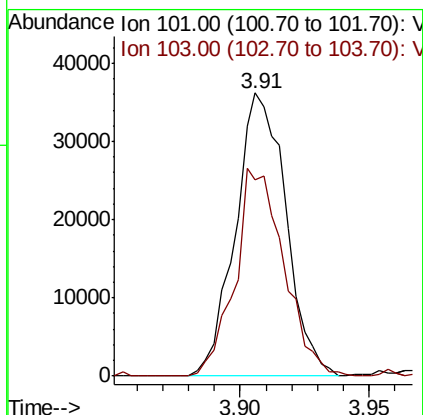
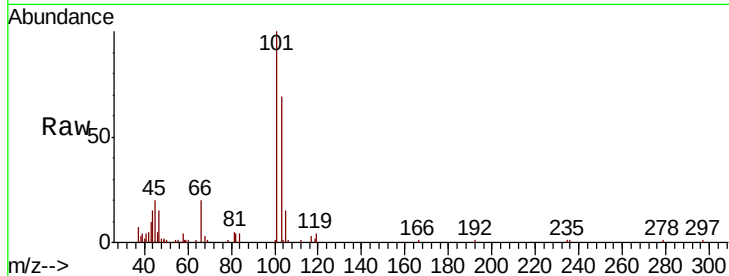




#11
 Trichlorofluoromethane
 Concen: 0.243 ppbv
 RT: 3.91 min Scan# 348
 Delta R.T. -0.01 min
 Lab File: VL035345.D
 Acq: 6 Aug 2020 11:41

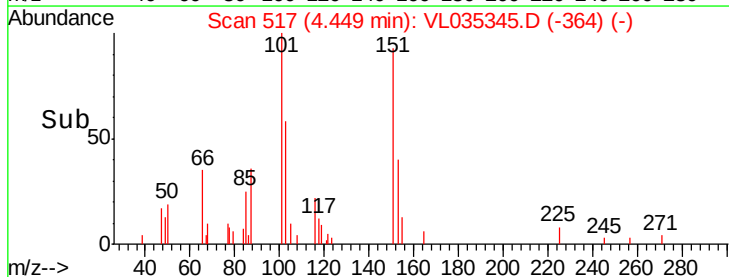
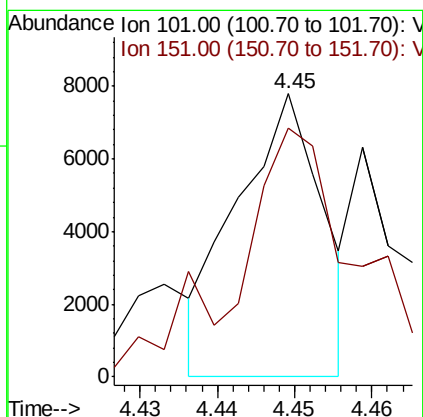
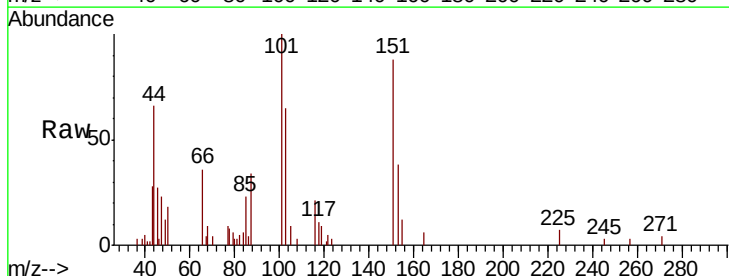
Instrument :
 MSVOA_L
 ClientSampleId :

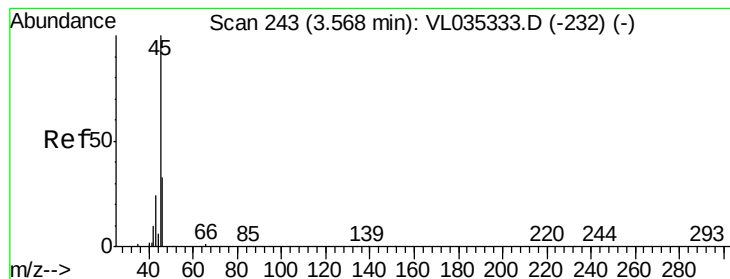
Tot Ion:101 Resp: 49490
 Ion Ratio Lower Upper
 101 100
 103 69.4 53.8 80.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.042 ppbv
 RT: 4.45 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VL035345.D
 Acq: 6 Aug 2020 11:41

Tgt Ion:101 Resp: 6038
 Ion Ratio Lower Upper
 101 100
 151 130.8 59.5 89.3#





#13

Ethanol

Concen: 111.621 ppbv

RT: 3.56 min Scan# 240

Delta R.T. -0.01 min

Lab File: VL035345.D

Acq: 6 Aug 2020 11:41

Instrument :

MSVOA_L

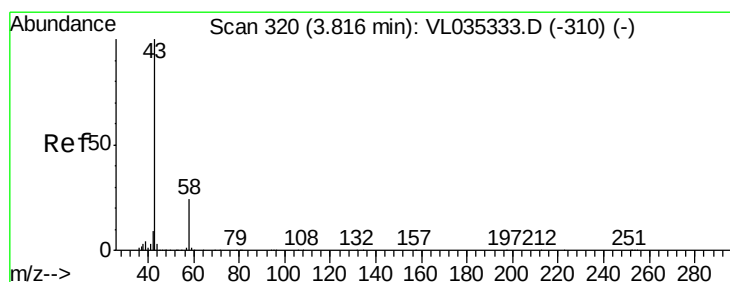
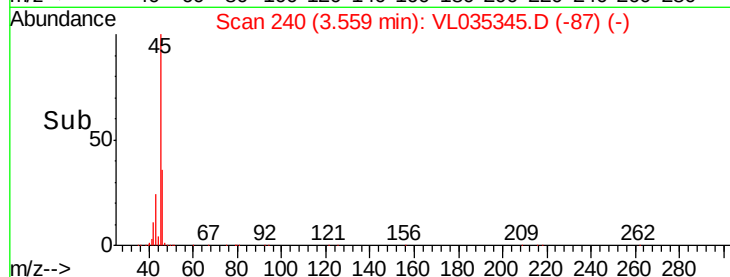
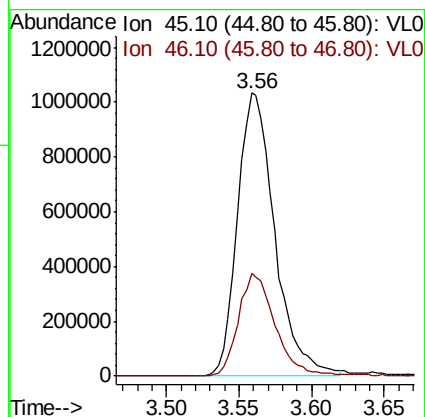
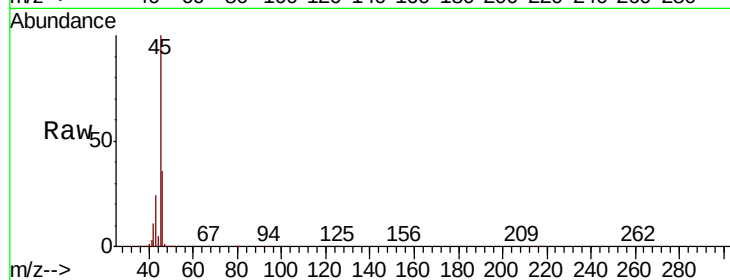
ClientSampleId :

Tot Ion: 45 Resp: 1848282

Ion Ratio Lower Upper

45 100

46 36.2 15.2 61.0



#15

Acetone

Concen: 15.298 ppbv

RT: 3.80 min Scan# 316

Delta R.T. -0.01 min

Lab File: VL035345.D

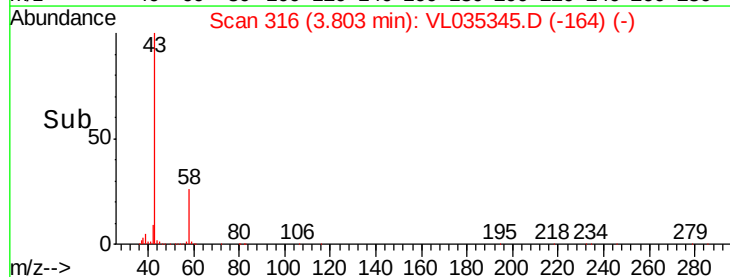
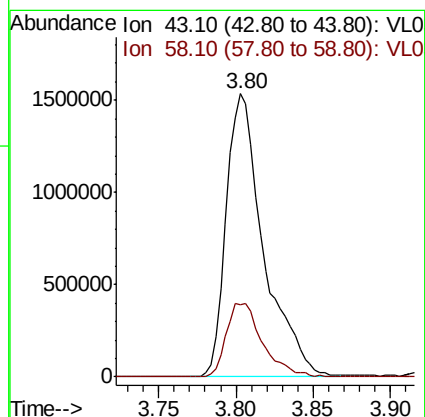
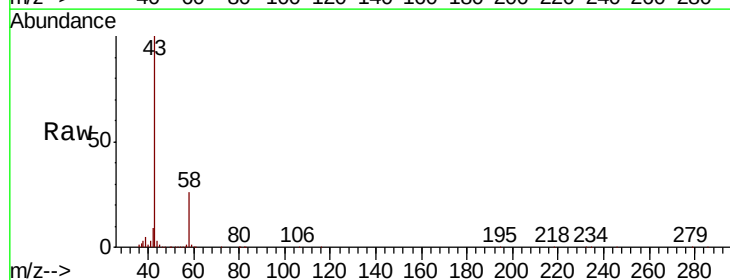
Acq: 6 Aug 2020 11:41

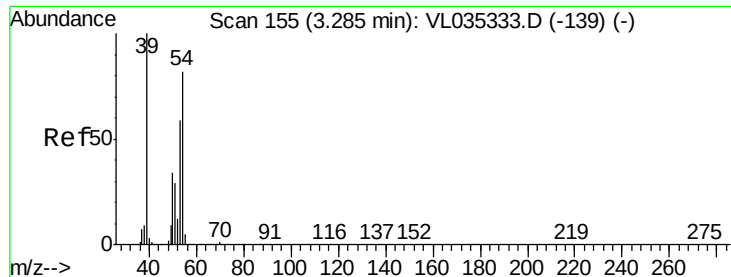
Tgt Ion: 43 Resp: 2564082

Ion Ratio Lower Upper

43 100

58 25.3 21.0 31.4

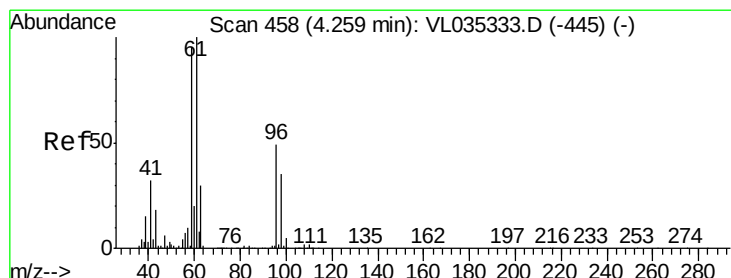
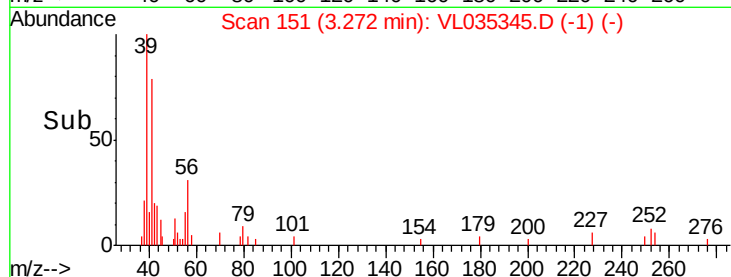
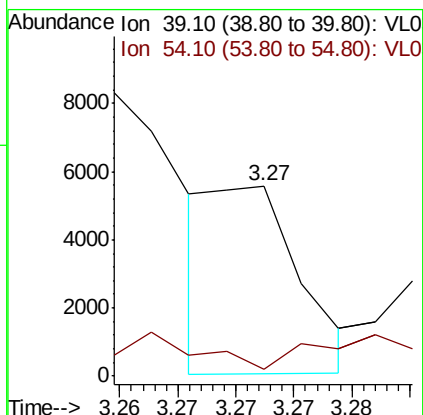
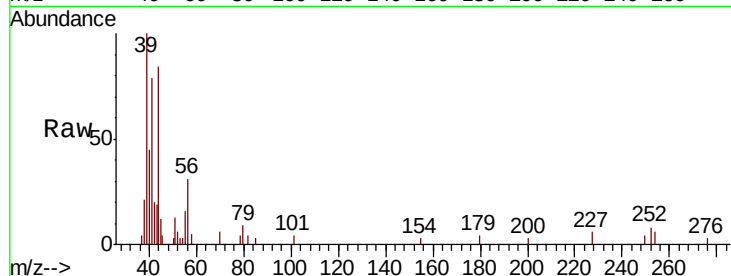




#16
1,3-Butadiene
Concen: 0.044 ppbv
RT: 3.27 min Scan# 151
Delta R.T. -0.01 min
Lab File: VL035345.D
Acq: 6 Aug 2020 11:41

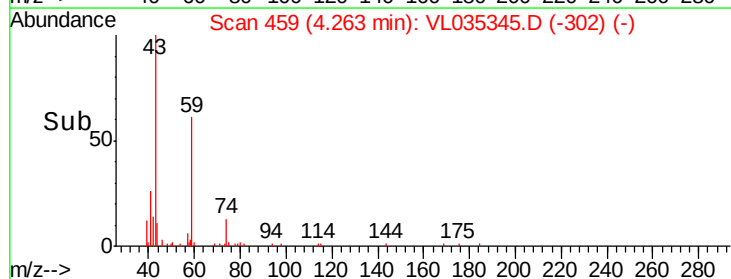
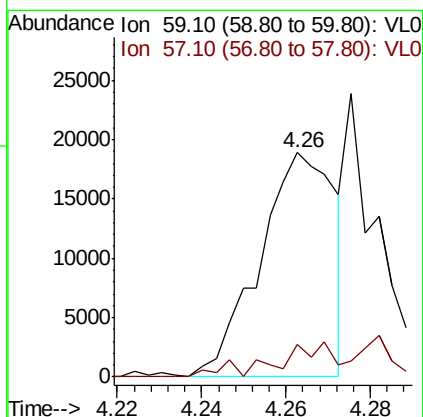
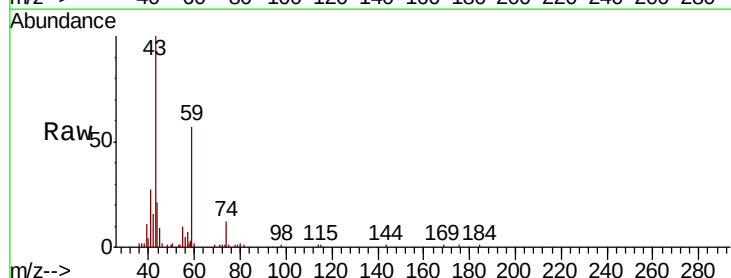
Instrument :
MSVOA_L
ClientSampled :

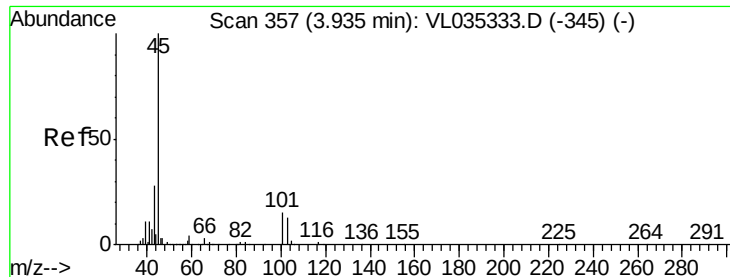
Tot Ion: 39 Resp: 2867
Ion Ratio Lower Upper
39 100
54 0.0 64.4 96.6#



#17
tert-Butyl alcohol
Concen: 0.152 ppbv
RT: 4.26 min Scan# 459
Delta R.T. 0.00 min
Lab File: VL035345.D
Acq: 6 Aug 2020 11:41

Tgt Ion: 59 Resp: 23347
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#





#19

Isopropyl Alcohol

Concen: 3.202 ppbv

RT: 3.93 min Scan# 357

Delta R.T. 0.00 min

Lab File: VL035345.D

Acq: 6 Aug 2020 11:41

Instrument :

MSVOA_L

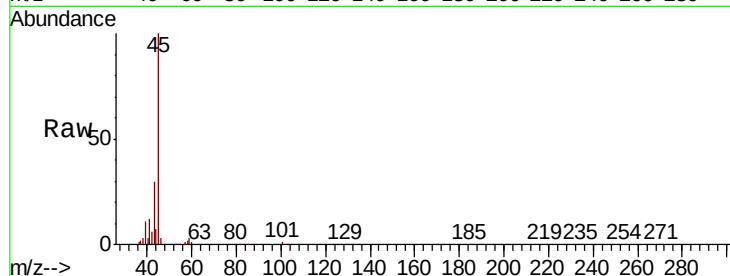
ClientSampleId :

Tot Ion: 45 Resp: 340234

Ion Ratio Lower Upper

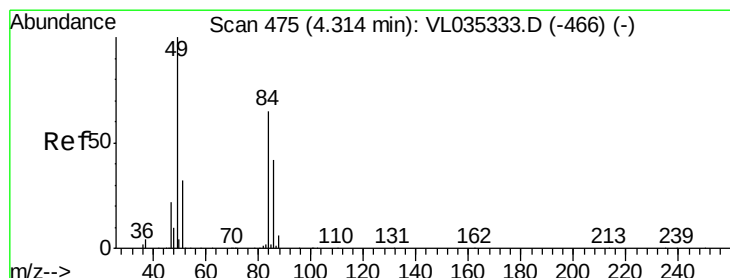
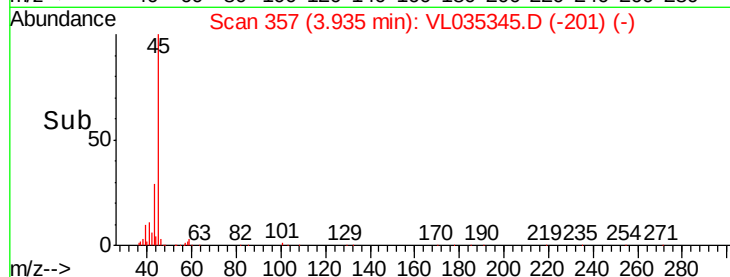
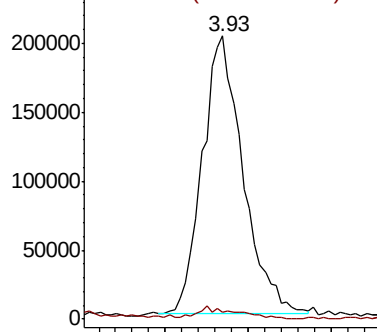
45 100

58 191.0 1.9 2.9#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 2.986 ppbv

RT: 4.31 min Scan# 473

Delta R.T. -0.01 min

Lab File: VL035345.D

Acq: 6 Aug 2020 11:41

Tgt Ion: 84 Resp: 204106

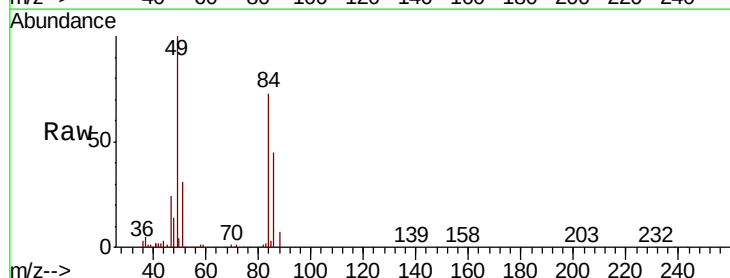
Ion Ratio Lower Upper

84 100

49 136.4 122.8 184.2

51 42.2 40.1 60.1

86 61.1 51.7 77.5

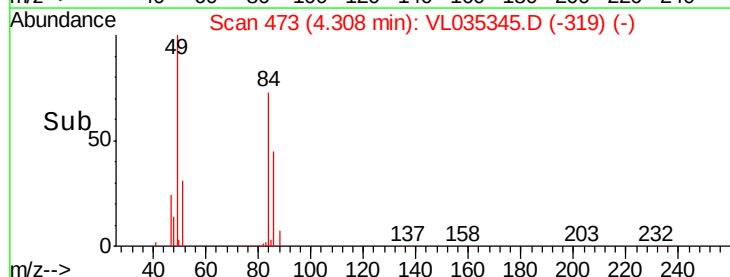
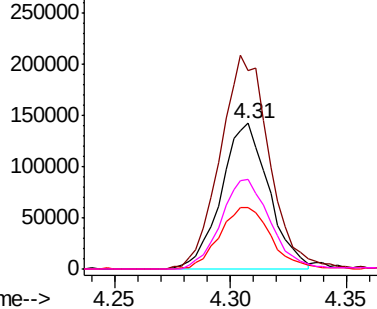


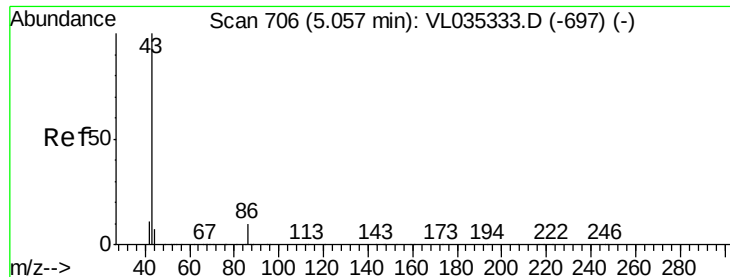
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





#23

Vinyl Acetate

Concen: 1.141 ppbv

RT: 5.03 min Scan# 699

Delta R.T. -0.02 min

Lab File: VL035345.D

Acq: 6 Aug 2020 11:41

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 183391

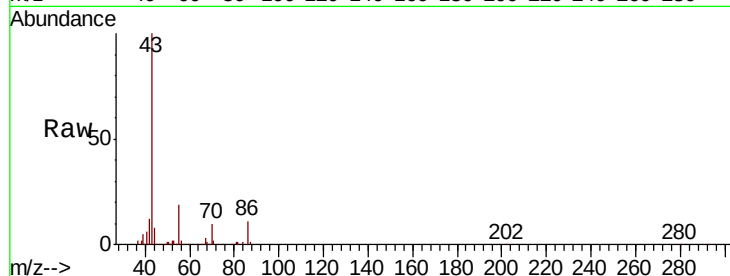
Ion Ratio Lower Upper

43 100

86 11.1 6.9 10.3#

42 12.2 8.8 13.2

44 6.3 5.0 7.6

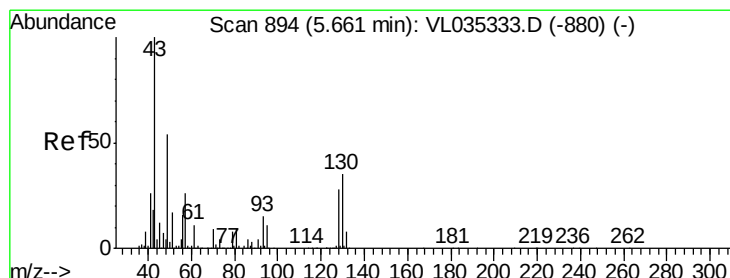
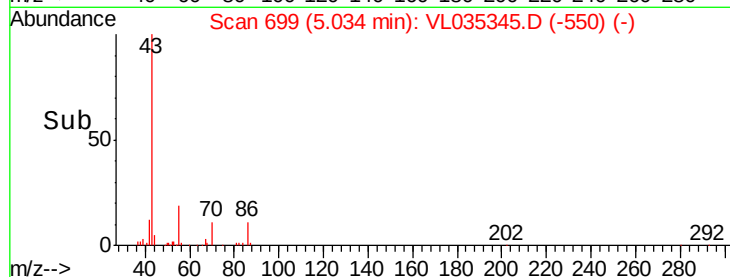
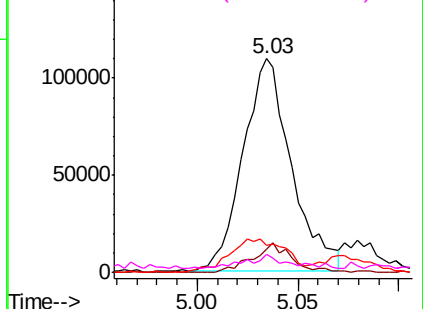


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#25

Ethyl Acetate

Concen: 1.151 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.00 min

Lab File: VL035345.D

Acq: 6 Aug 2020 11:41

Tgt Ion: 43 Resp: 293207

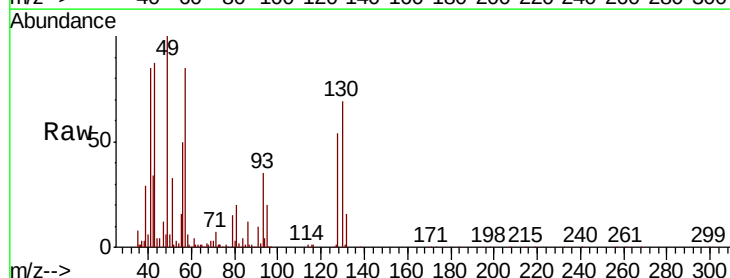
Ion Ratio Lower Upper

43 100

45 8.1 8.5 12.7#

61 5.5 8.1 12.1#

70 5.5 6.5 9.7#

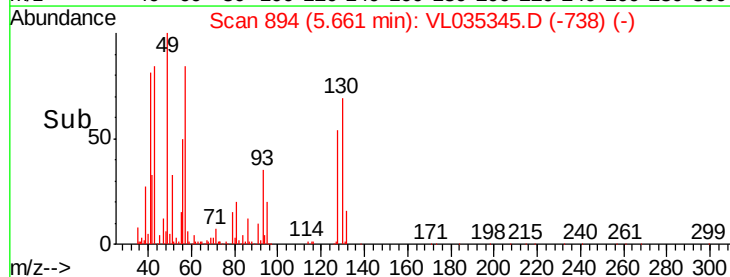
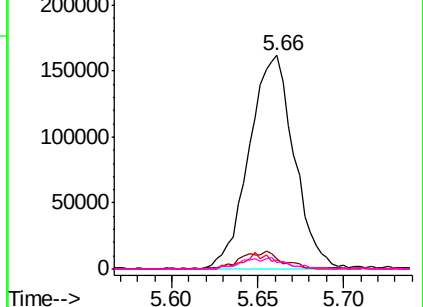


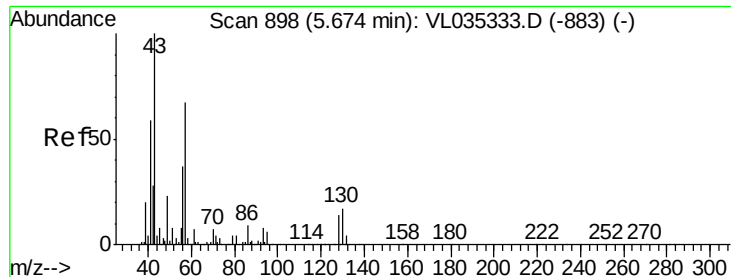
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0





#26

Hexane

Concen: 2.373 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.01 min

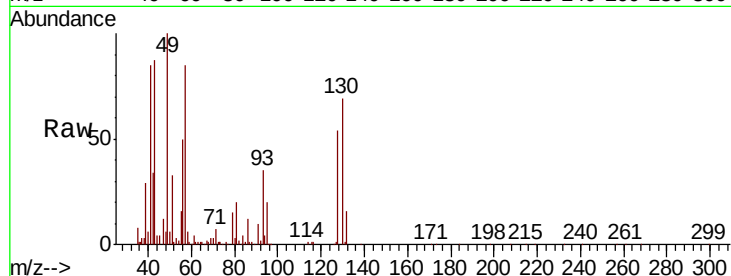
Lab File: VL035345.D

Acq: 6 Aug 2020 11:41

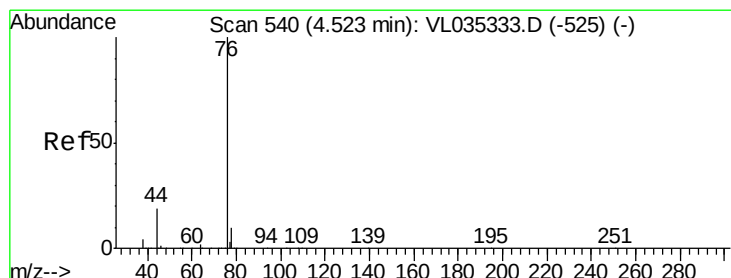
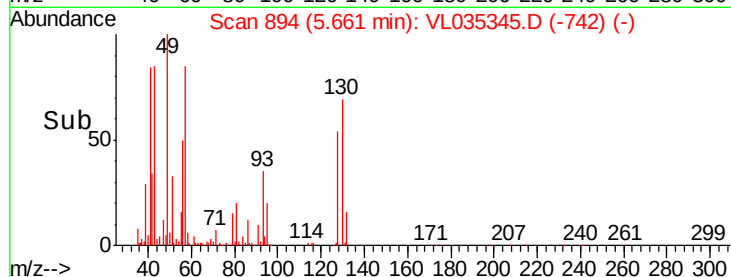
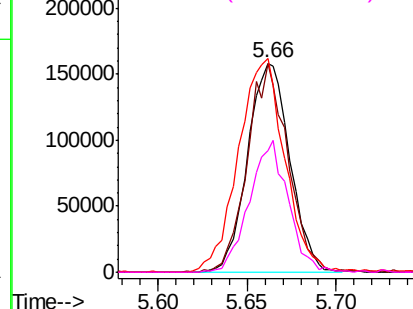
Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 57 Resp: 262126

Ion	Ratio	Lower	Upper
57	100		
41	96.3	75.2	112.8
43	113.3	180.6	270.8#
56	58.3	43.0	64.6



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: 0.329 ppbv

RT: 4.52 min Scan# 538

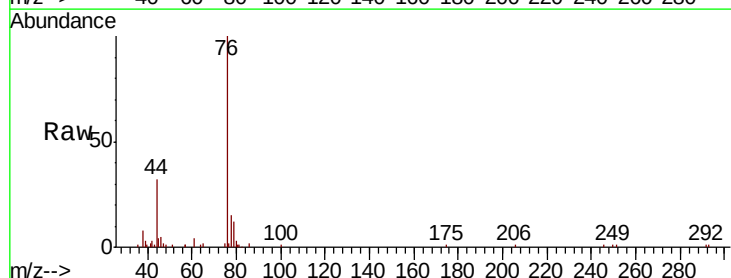
Delta R.T. -0.01 min

Lab File: VL035345.D

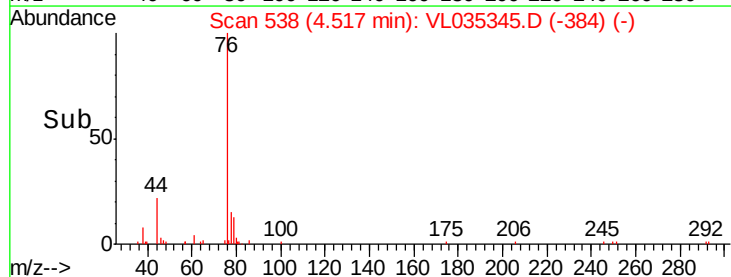
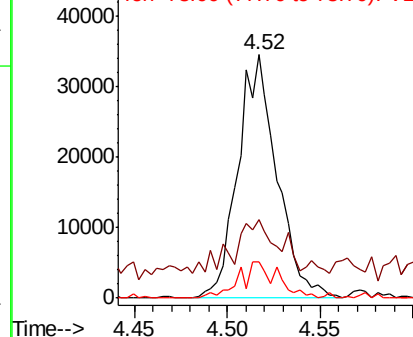
Acq: 6 Aug 2020 11:41

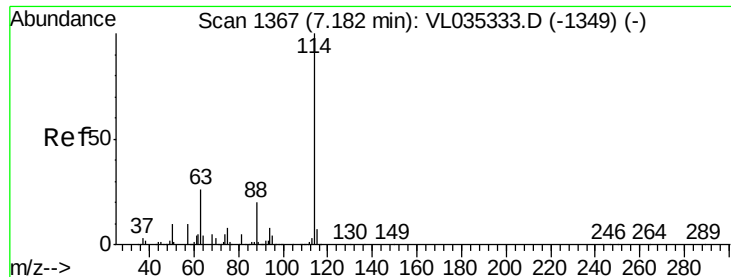
Tgt Ion: 76 Resp: 50819

Ion	Ratio	Lower	Upper
76	100		
44	35.5	15.4	23.2#
78	15.8	7.7	11.5#



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

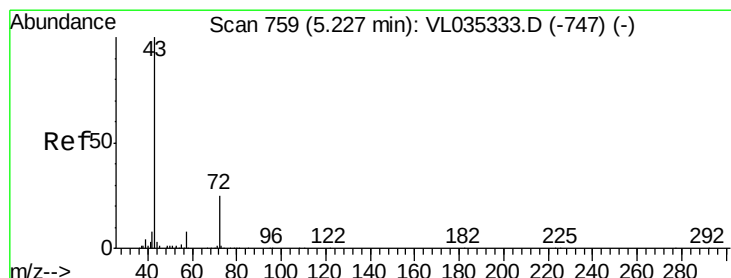
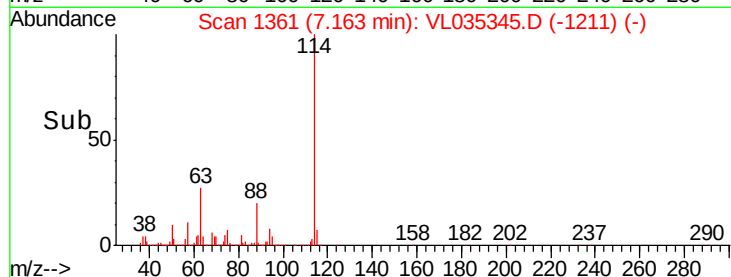
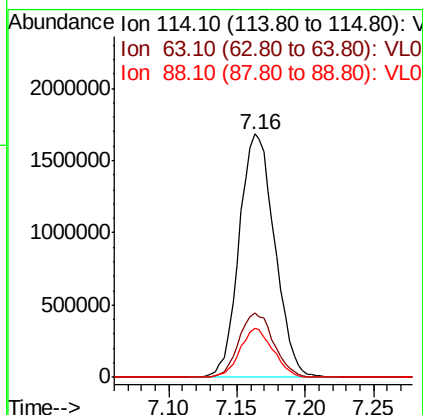
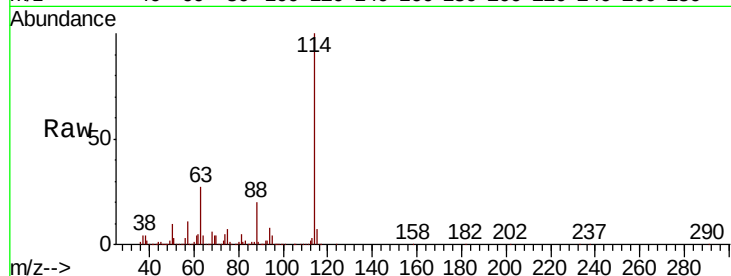




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.02 min
 Lab File: VL035345.D
 Acq: 6 Aug 2020 11:41

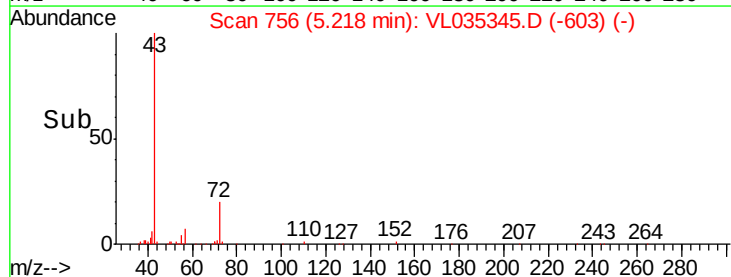
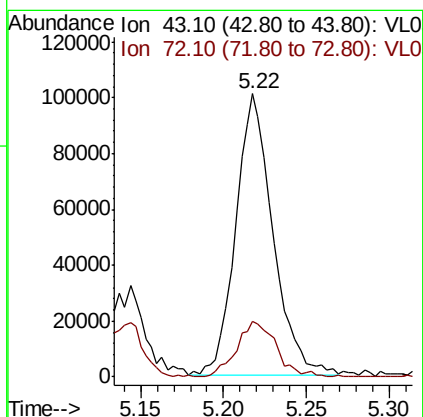
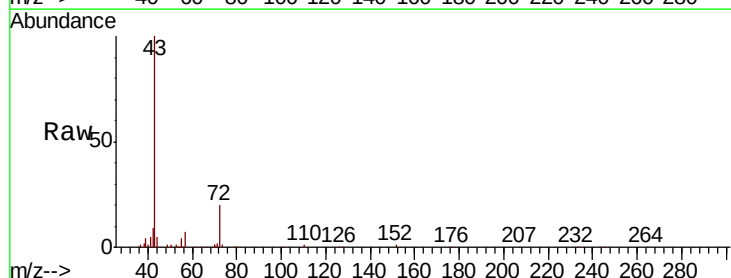
Instrument :
 MSVOA_L
 ClientSampleId :

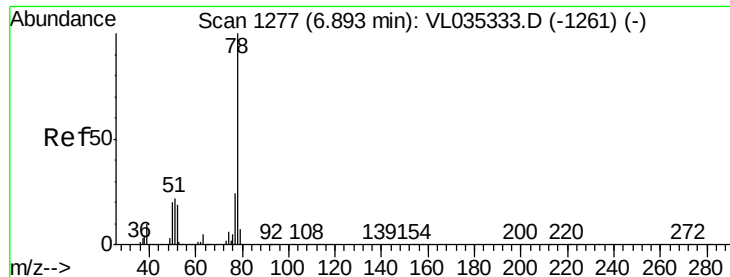
Tot Ion:114 Resp: 3034766
 Ion Ratio Lower Upper
 114 100
 63 26.1 21.3 31.9
 88 19.0 15.3 22.9



#34
 2-Butanone
 Concen: 1.045 ppbv
 RT: 5.22 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: VL035345.D
 Acq: 6 Aug 2020 11:41

Tgt Ion: 43 Resp: 156187
 Ion Ratio Lower Upper
 43 100
 72 21.4 18.9 28.3





#36

Benzene

Concen: 0.261 ppbv

RT: 6.87 min Scan# 1271

Delta R.T. -0.02 min

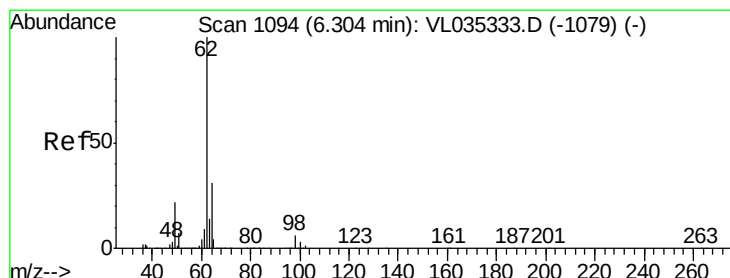
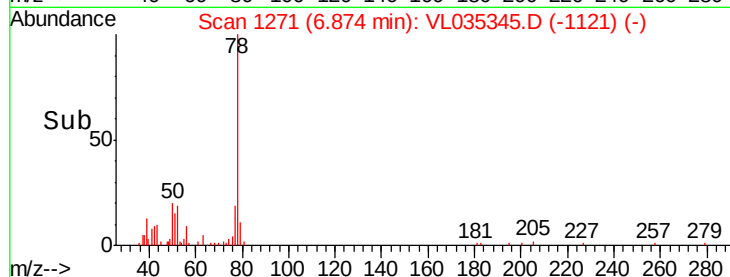
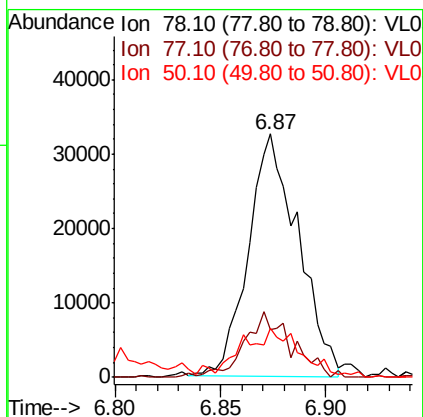
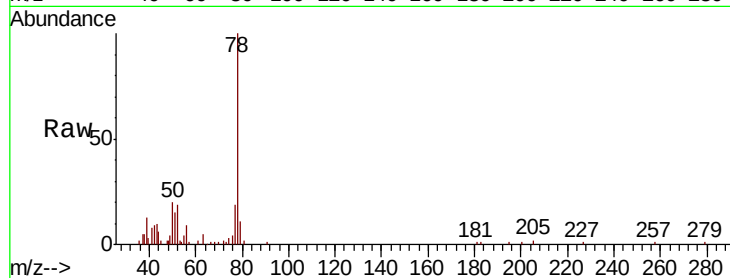
Lab File: VL035345.D

Acq: 6 Aug 2020 11:41

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 78 Resp: 53547

Ion	Ratio	Lower	Upper
78	100		
77	18.0	19.3	28.9#
50	16.7	16.3	24.5



#37

1,2-Dichloroethane

Concen: 0.061 ppbv

RT: 6.28 min Scan# 1087

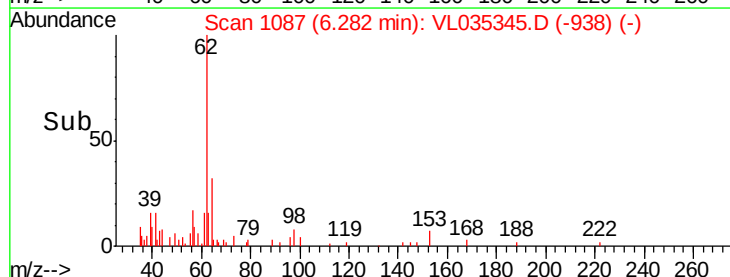
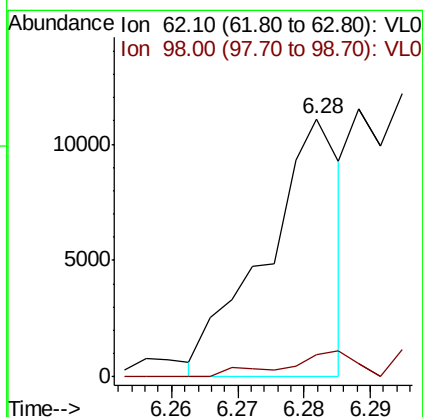
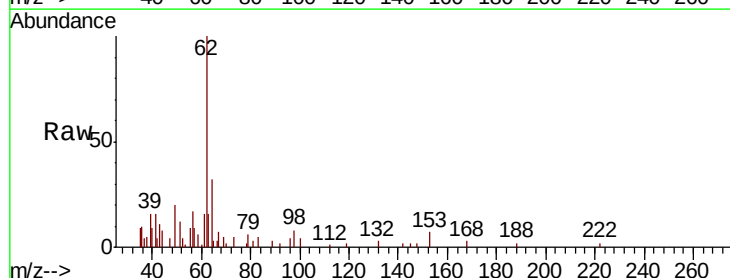
Delta R.T. -0.02 min

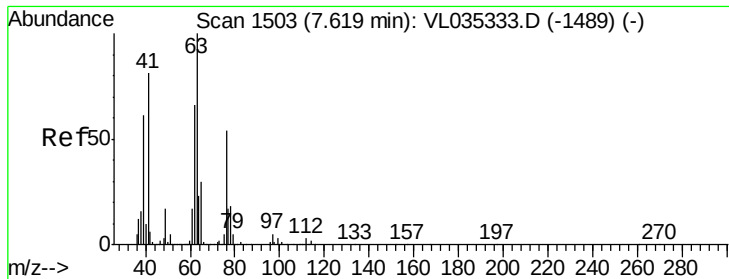
Lab File: VL035345.D

Acq: 6 Aug 2020 11:41

Tgt Ion: 62 Resp: 8710

Ion	Ratio	Lower	Upper
62	100		
98	0.0	4.6	7.0#

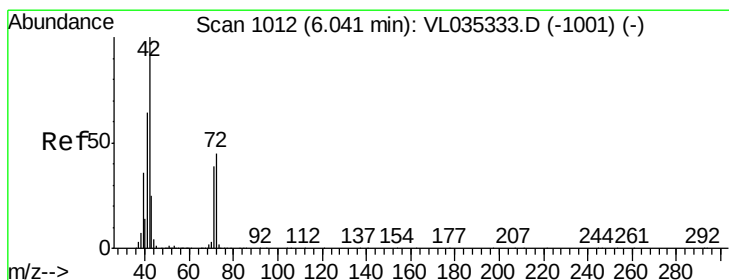
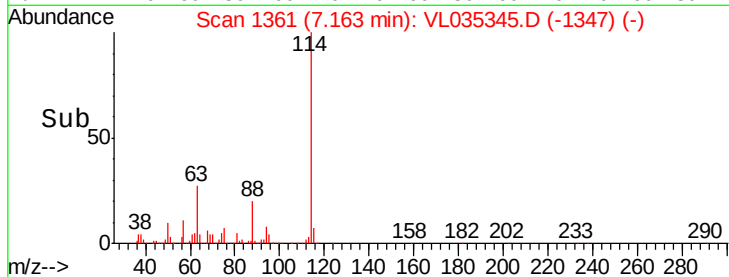
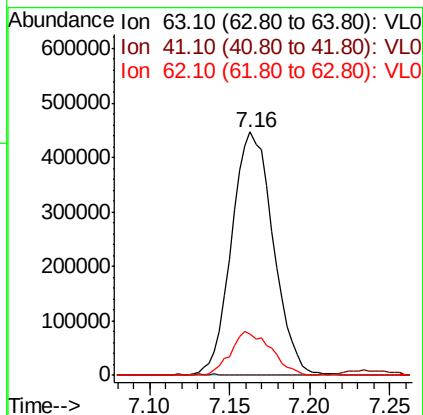
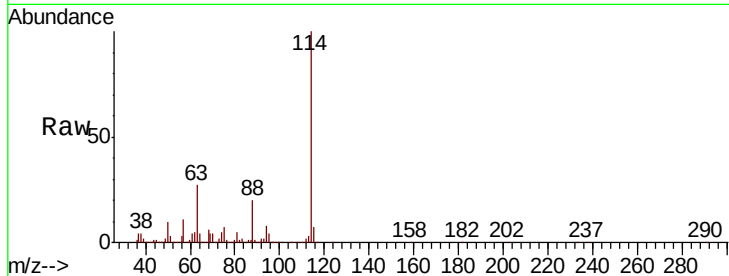




#39
 1,2-Dichloropropane
 Concen: 9.452 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.46 min
 Lab File: VL035345.D
 Acq: 6 Aug 2020 11:41

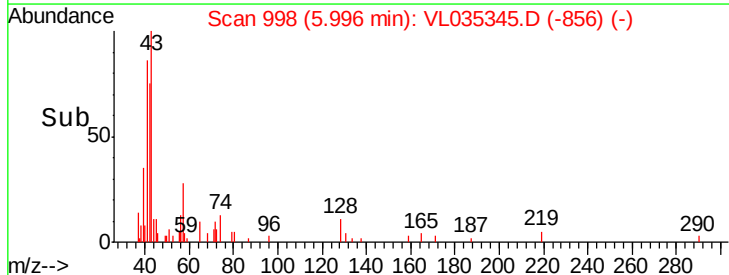
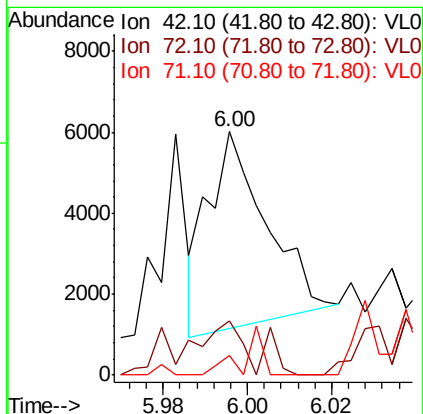
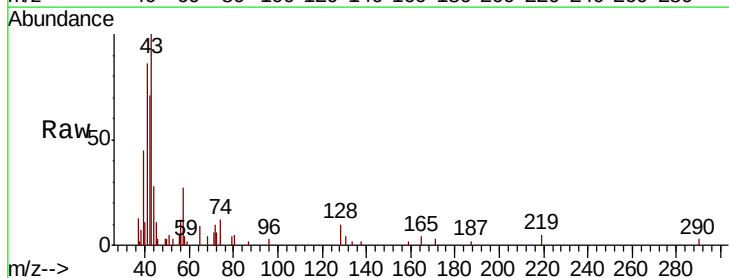
Instrument :
 MSVOA_L
 ClientSampleId :

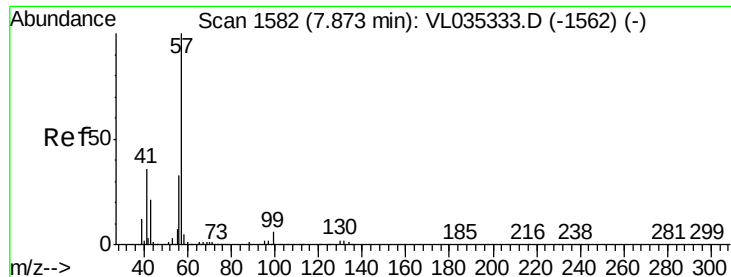
Tot Ion: 63 Resp: 784167
 Ion Ratio Lower Upper
 63 100
 41 0.0 64.4 96.6#
 62 16.9 52.6 78.8#



#41
 Tetrahydrofuran
 Concen: 0.064 ppbv
 RT: 6.00 min Scan# 998
 Delta R.T. -0.04 min
 Lab File: VL035345.D
 Acq: 6 Aug 2020 11:41

Tgt Ion: 42 Resp: 4663
 Ion Ratio Lower Upper
 42 100
 72 32.8 33.6 50.4#
 71 0.0 33.1 49.7#

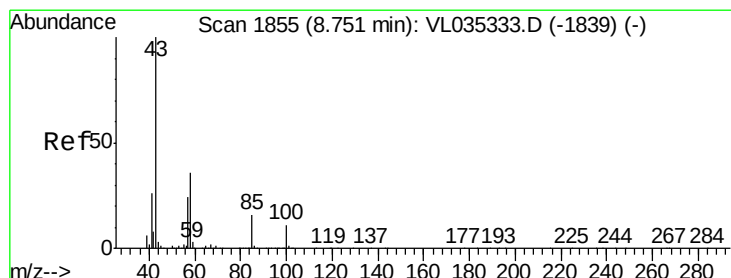
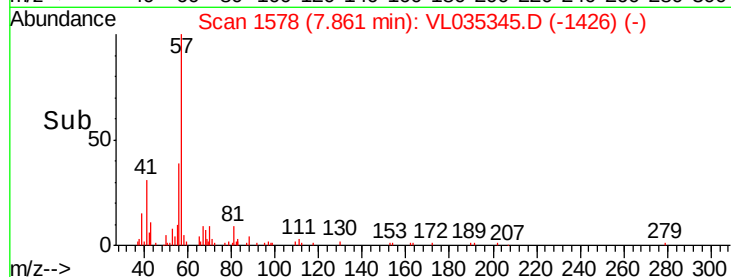
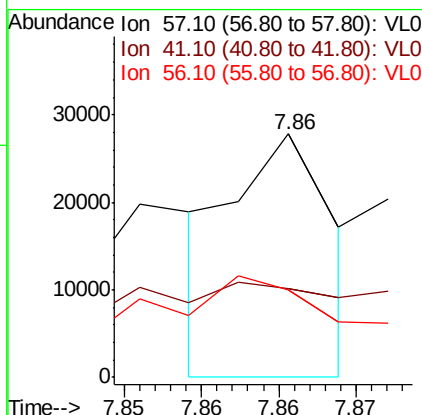
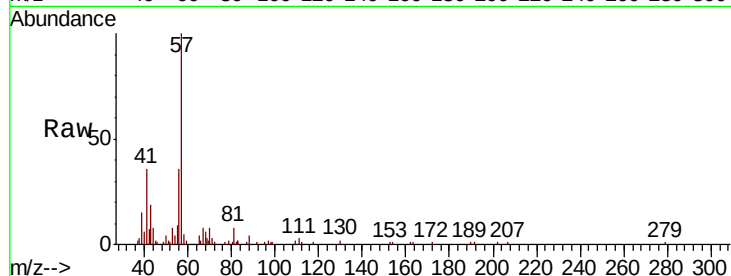




#44
 2,2,4-Trimethylpentane
 Concen: 0.034 ppbv
 RT: 7.86 min Scan# 1578
 Delta R.T. -0.01 min
 Lab File: VL035345.D
 Acq: 6 Aug 2020 11:41

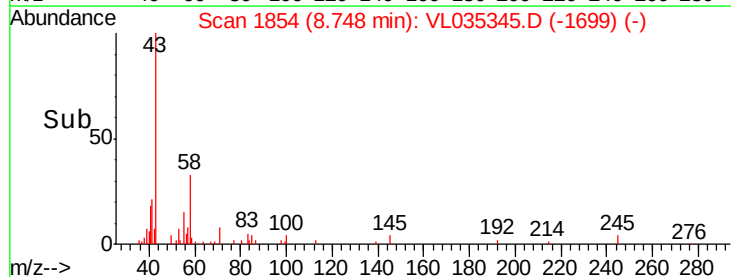
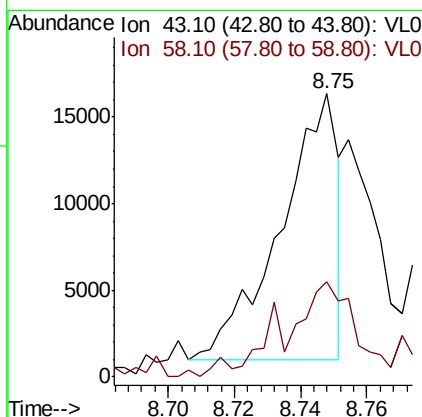
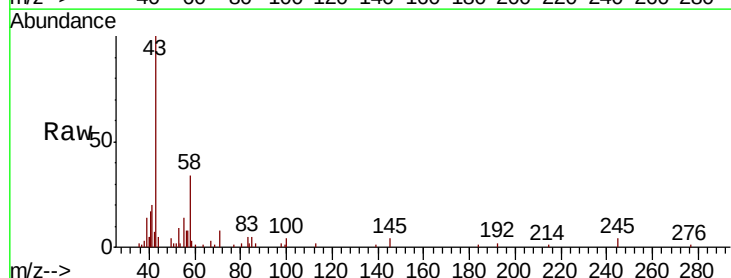
Instrument :
 MSVOA_L
 ClientSampleId :

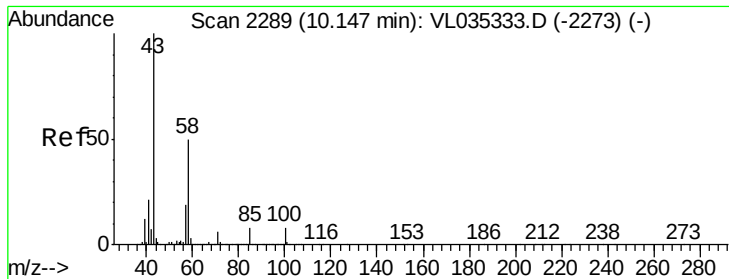
Tot Ion: 57 Resp: 12516
 Ion Ratio Lower Upper
 57 100
 41 180.5 27.9 41.9#
 56 175.7 25.4 38.0#



#50
 4-Methyl-2-Pentanone
 Concen: 0.082 ppbv
 RT: 8.75 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VL035345.D
 Acq: 6 Aug 2020 11:41

Tgt Ion: 43 Resp: 18604
 Ion Ratio Lower Upper
 43 100
 58 50.6 29.2 43.8#





#51

2-Hexanone

Concen: 0.036 ppbv

RT: 10.14 min Scan# 2288

Delta R.T. -0.00 min

Lab File: VL035345.D

Acq: 6 Aug 2020 11:41

Instrument :

MSVOA_L

ClientSampled :

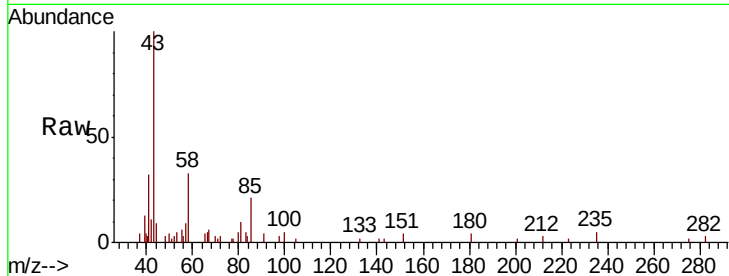
Tot Ion: 43 Resp: 6458

Ion Ratio Lower Upper

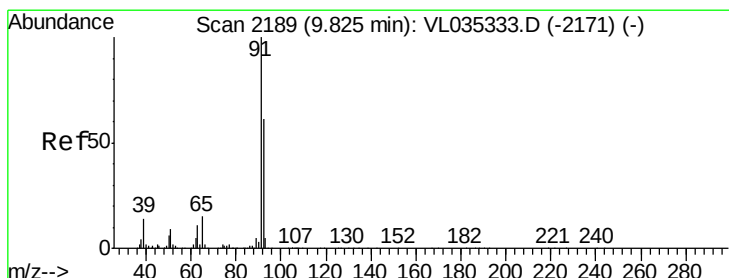
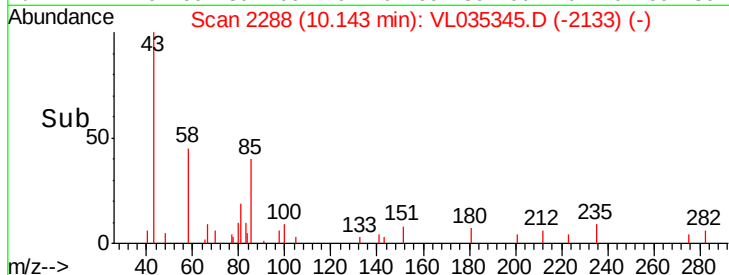
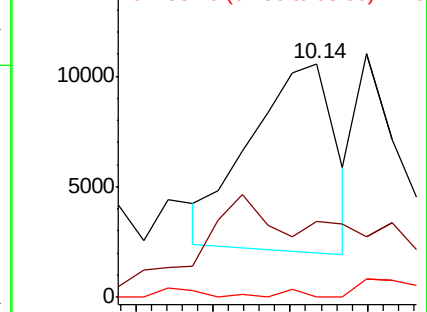
43 100

58 130.8 39.4 59.2#

98 3.0 0.2 0.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#53

Toluene

Concen: 10.136 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. -0.02 min

Lab File: VL035345.D

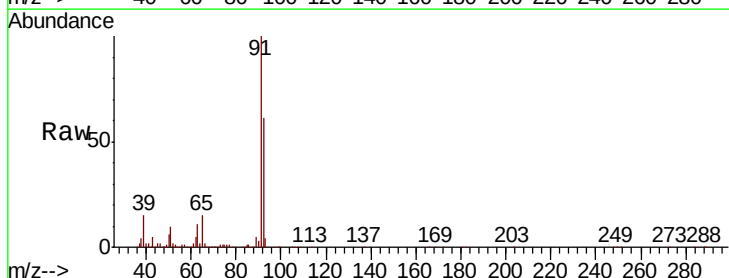
Acq: 6 Aug 2020 11:41

Tgt Ion: 91 Resp: 2259524

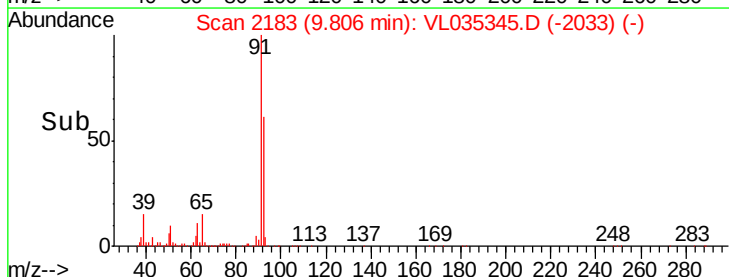
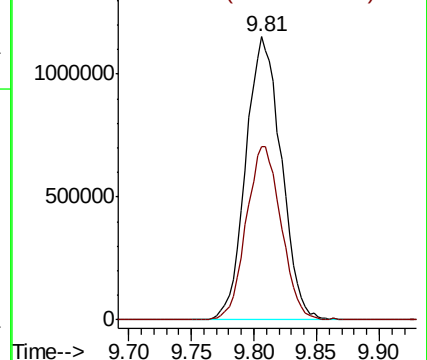
Ion Ratio Lower Upper

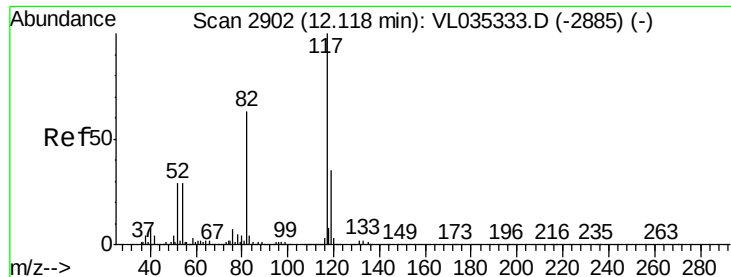
91 100

92 60.6 48.5 72.7



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0

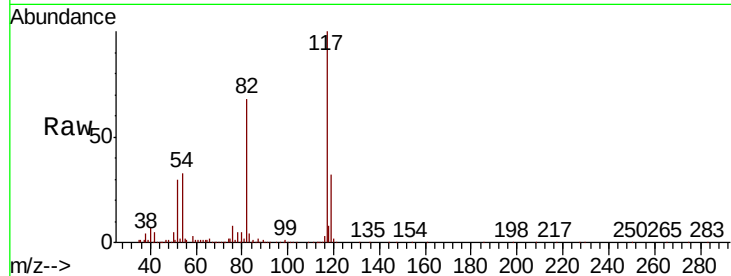




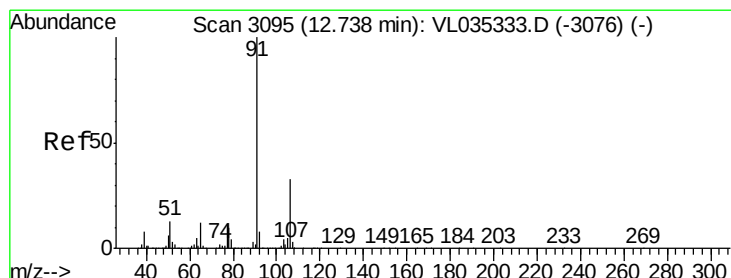
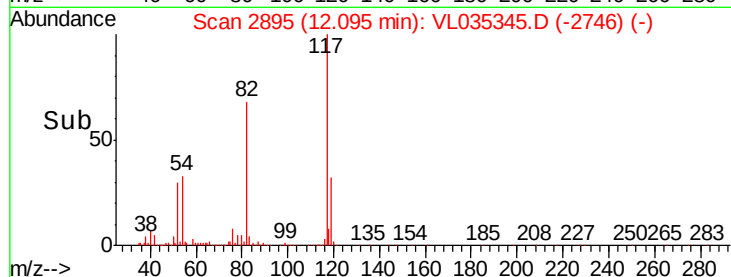
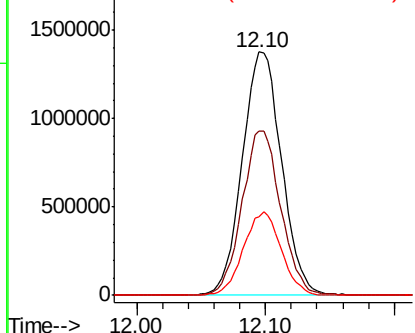
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. -0.02 min
Lab File: VL035345.D
Acq: 6 Aug 2020 11:41

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 2921636
Ion Ratio Lower Upper
117 100
82 66.9 51.0 76.4
119 33.3 24.7 37.1

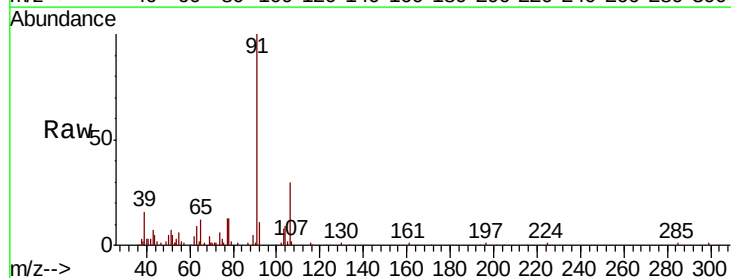


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

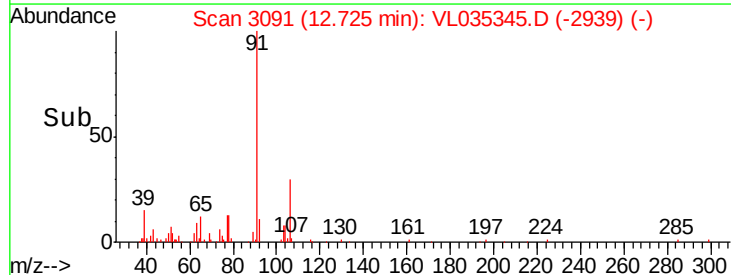
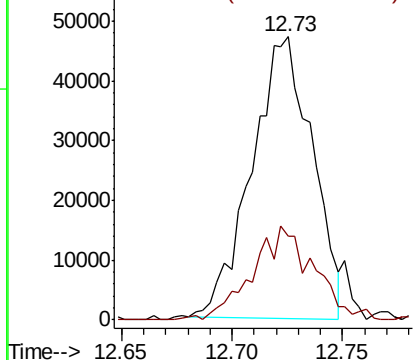


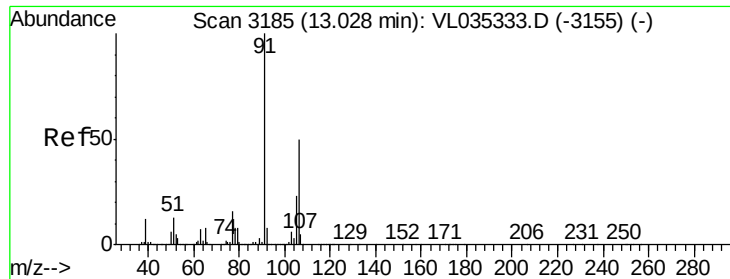
#58
Ethyl Benzene
Concen: 0.295 ppbv
RT: 12.73 min Scan# 3091
Delta R.T. -0.01 min
Lab File: VL035345.D
Acq: 6 Aug 2020 11:41

Tgt Ion: 91 Resp: 89574
Ion Ratio Lower Upper
91 100
106 29.2 26.8 40.2



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 0.593 ppbv

RT: 12.99 min Scan# 3172

Delta R.T. -0.04 min

Lab File: VL035345.D

Acq: 6 Aug 2020 11:41

Instrument :

MSVOA_L

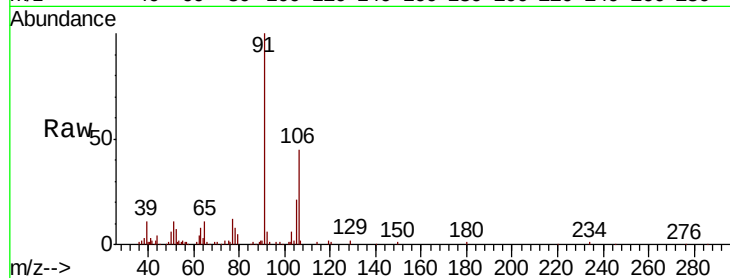
ClientSampleId :

Tot Ion: 91 Resp: 167791

Ion Ratio Lower Upper

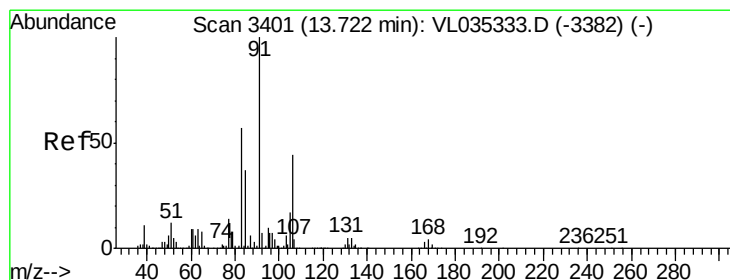
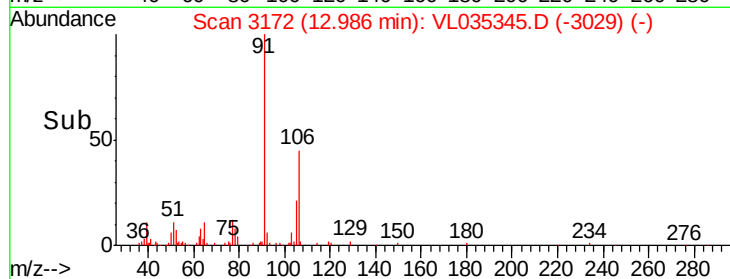
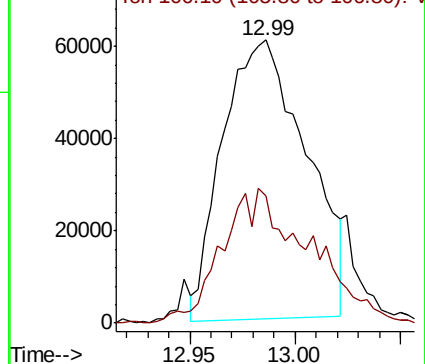
91 100

106 50.3 37.8 56.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 0.190 ppbv

RT: 13.71 min Scan# 3397

Delta R.T. -0.01 min

Lab File: VL035345.D

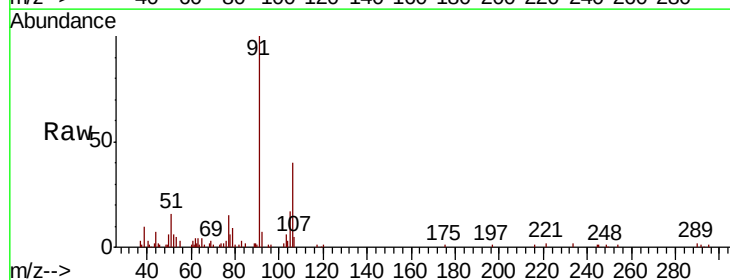
Acq: 6 Aug 2020 11:41

Tgt Ion: 91 Resp: 53245

Ion Ratio Lower Upper

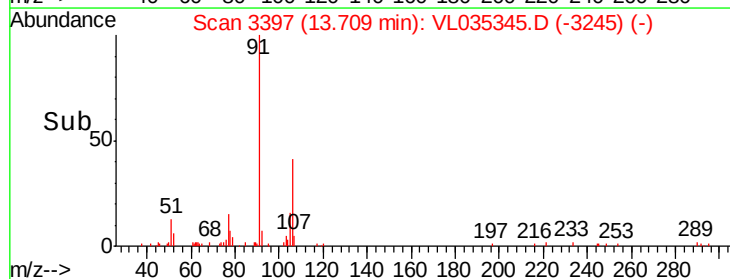
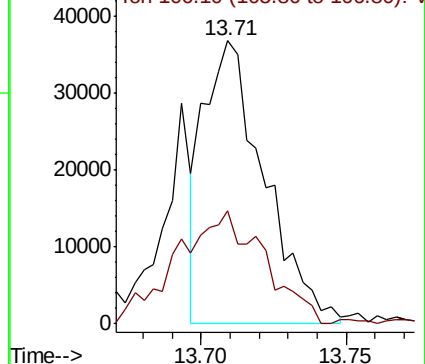
91 100

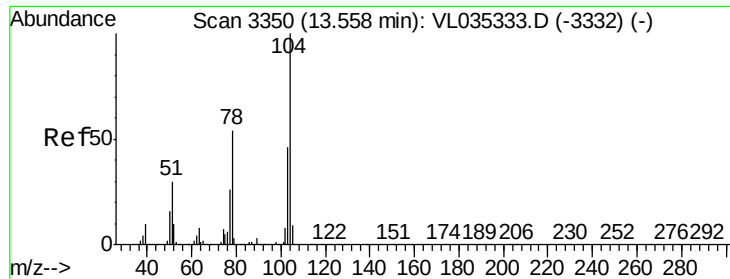
106 59.4 22.7 68.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

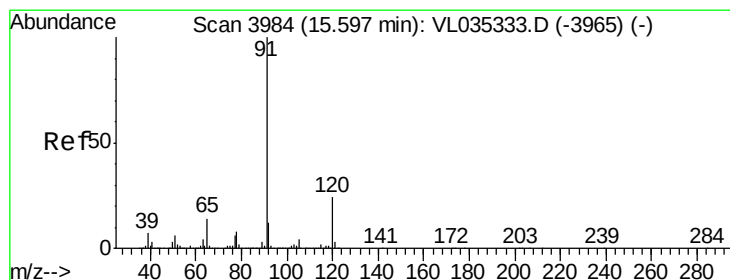
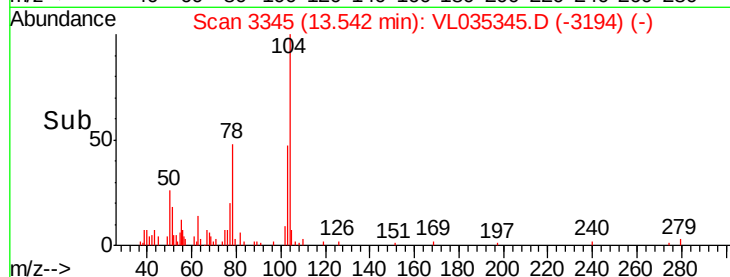
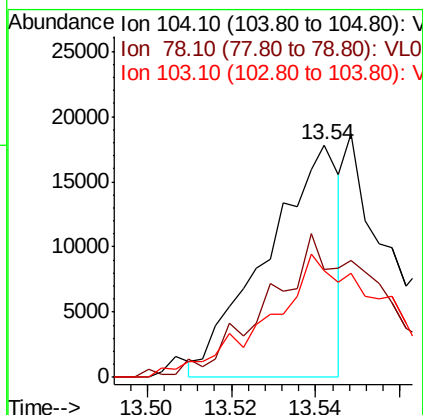
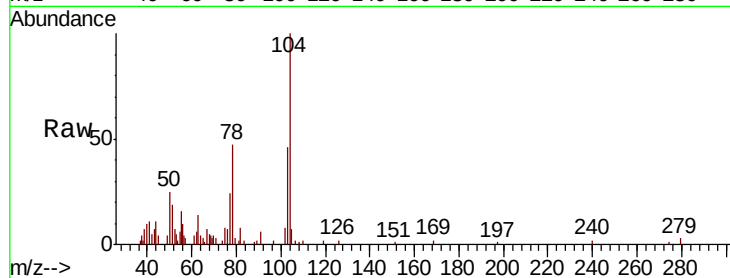




#61
Stvrene
Concen: 0.125 ppbv
RT: 13.54 min Scan# 3345
Delta R.T. -0.02 min
Lab File: VL035345.D
Acq: 6 Aug 2020 11:41

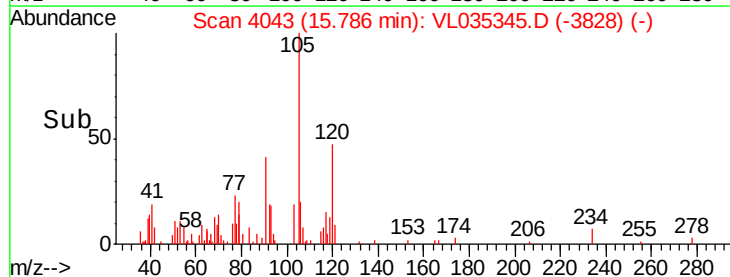
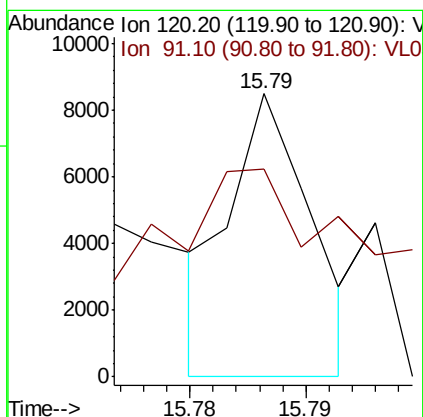
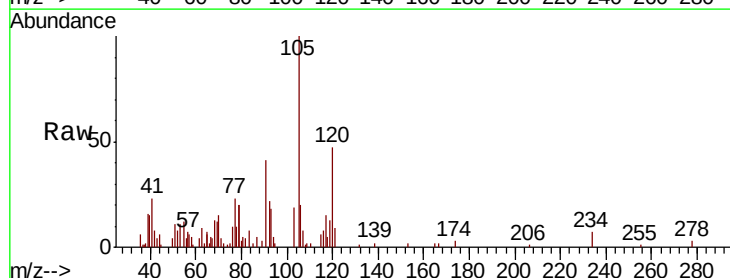
Instrument :
MSVOA_L
ClientSampleId :

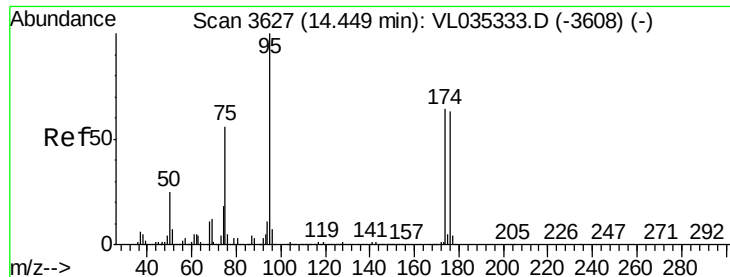
Tot Ion:104 Resp: 21380
Ion Ratio Lower Upper
104 100
78 108.1 42.6 63.8#
103 89.5 38.1 57.1#



#64
n-propylbenzene
Concen: 0.036 ppbv
RT: 15.79 min Scan# 4043
Delta R.T. 0.19 min
Lab File: VL035345.D
Acq: 6 Aug 2020 11:41

Tgt Ion:120 Resp: 4102
Ion Ratio Lower Upper
120 100
91 364.9 357.2 535.8

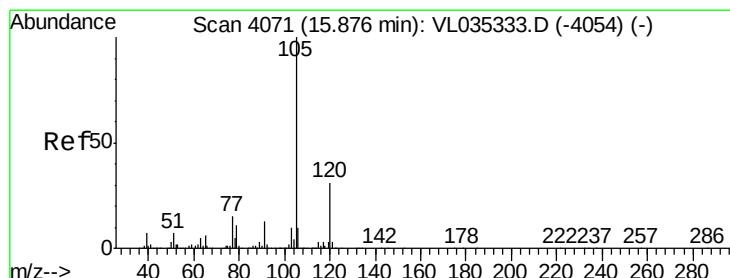
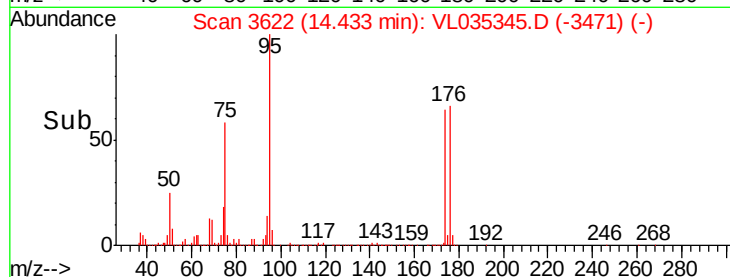
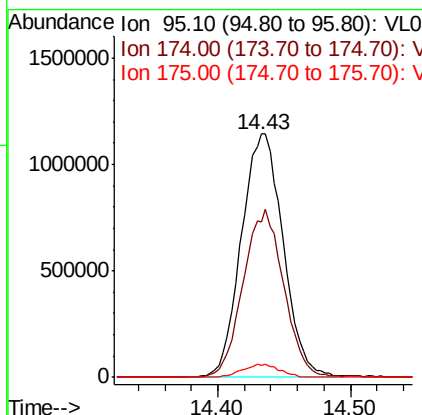
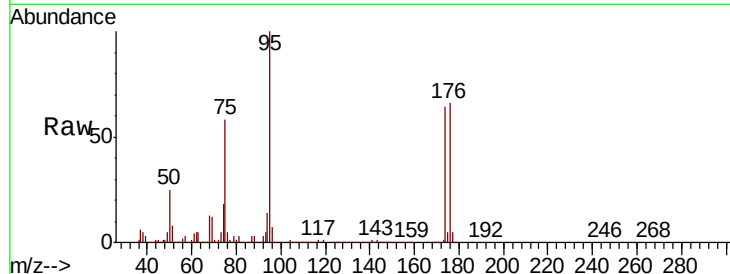




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.290 ppbv
 RT: 14.43 min Scan# 3622
 Delta R.T. -0.02 min
 Lab File: VL035345.D
 Acq: 6 Aug 2020 11:41

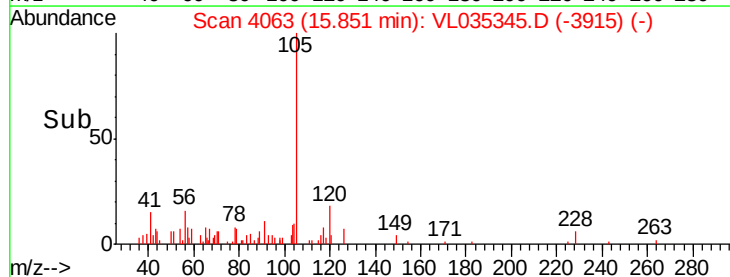
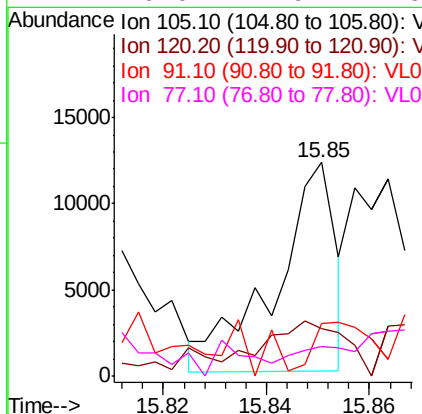
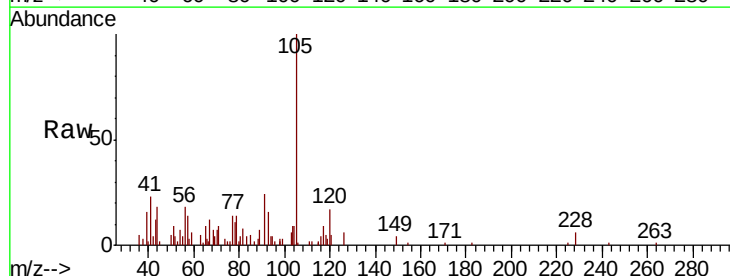
Instrument :
 MSVOA_L
 ClientSampleId :

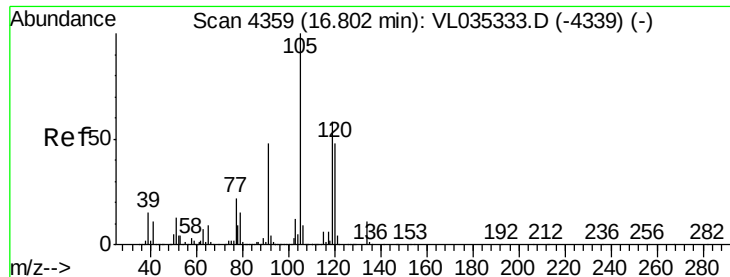
Tot Ion: 95 Resp: 2507132
 Ion Ratio Lower Upper
 95 100
 174 67.2 53.5 80.3
 175 4.9 4.2 6.2



#72
 4-Ethyltoluene
 Concen: 0.030 ppbv
 RT: 15.85 min Scan# 4063
 Delta R.T. -0.03 min
 Lab File: VL035345.D
 Acq: 6 Aug 2020 11:41

Tgt Ion: 105 Resp: 9758
 Ion Ratio Lower Upper
 105 100
 120 70.6 24.0 36.0#
 91 0.0 10.8 16.2#
 77 0.0 11.9 17.9#





#74

1,2,4-Trimethylbenzene

Concen: 0.127 ppbv

RT: 16.78 min Scan# 4351

Delta R.T. -0.03 min

Lab File: VL035345.D

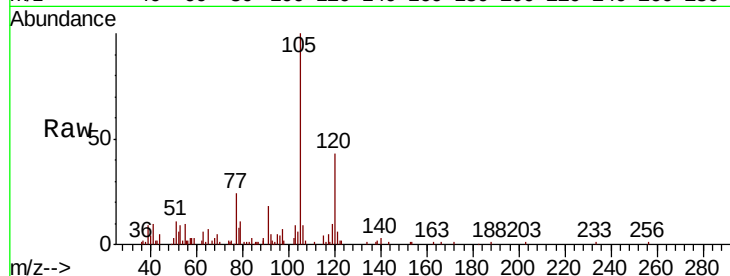
Acq: 6 Aug 2020 11:41

Instrument :

MSVOA_L

ClientSampled :

Tot Ion:	105	Resp:	44610
Ion	Ratio	Lower	Upper
105	100		
120	36.4	38.5	57.7#
91	12.4	39.0	58.6#
77	21.2	17.8	26.6



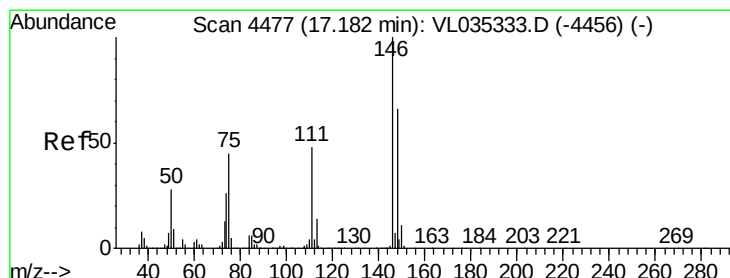
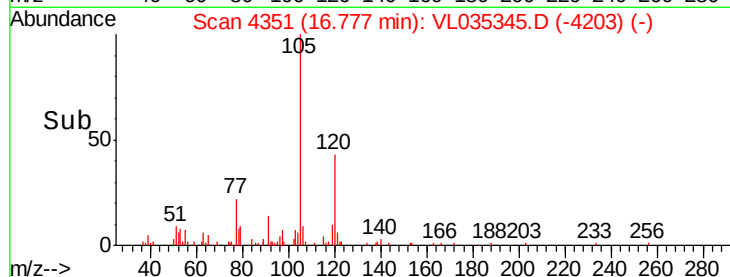
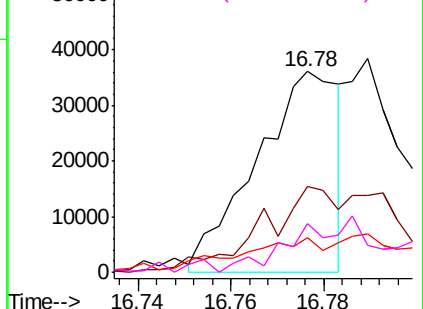
Abundance

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: 0.033 ppbv

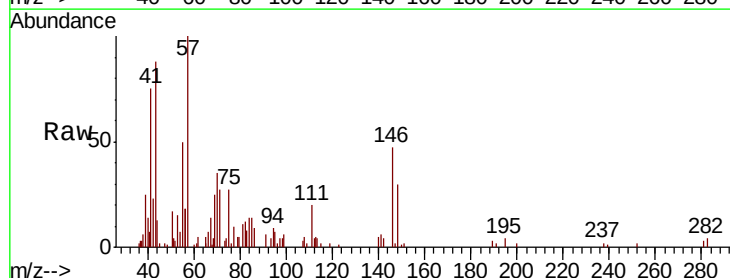
RT: 17.15 min Scan# 4467

Delta R.T. -0.03 min

Lab File: VL035345.D

Acq: 6 Aug 2020 11:41

Tgt Ion:	146	Resp:	6972
Ion	Ratio	Lower	Upper
146	100		
111	152.1	23.3	69.9#
148	0.0	32.1	96.5#

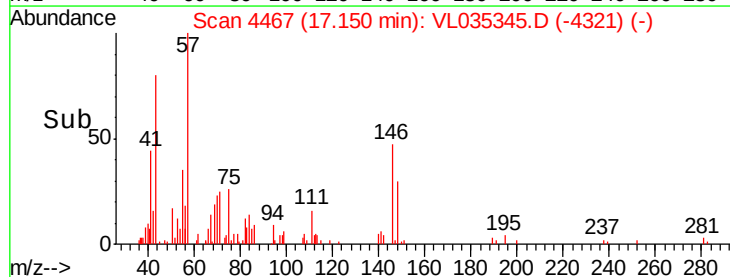
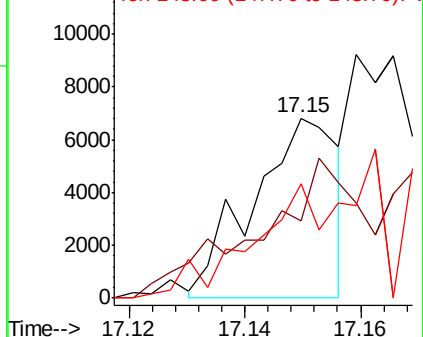


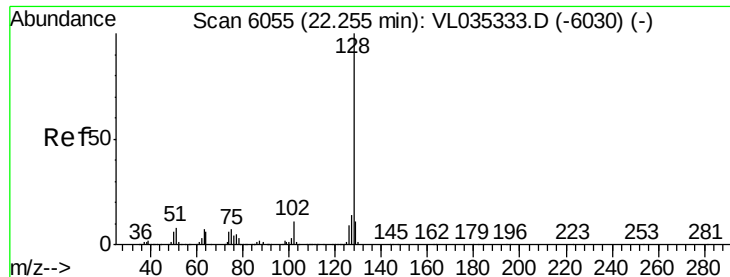
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

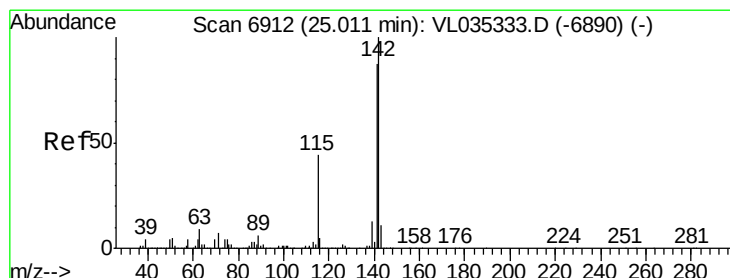
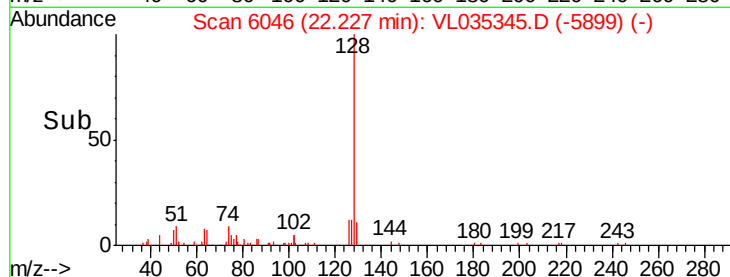
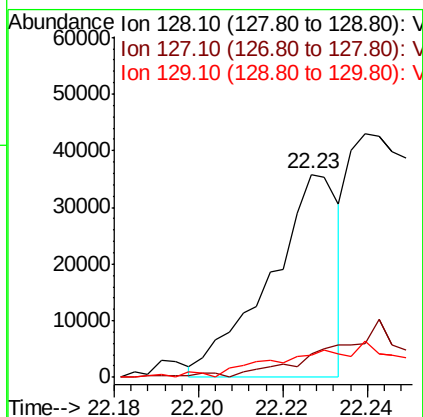
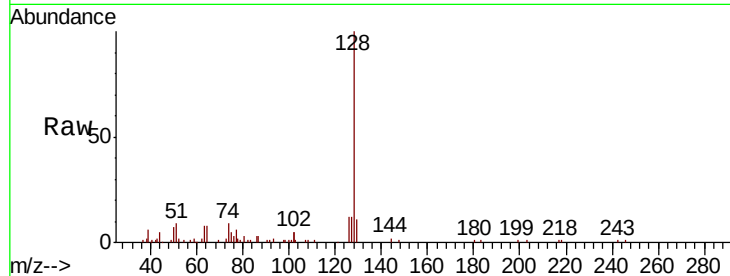




#79
Naphthalene
Concen: 0.150 ppbv
RT: 22.23 min Scan# 6046
Delta R.T. -0.03 min
Lab File: VL035345.D
Acq: 6 Aug 2020 11:41

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:128 Resp: 40557
Ion Ratio Lower Upper
128 100
127 11.4 11.1 16.7
129 8.6 8.7 13.1#



#80
Naphthalene, 2-methyl-
Concen: 0.149 ppbv
RT: 25.00 min Scan# 6908
Delta R.T. -0.01 min
Lab File: VL035345.D
Acq: 6 Aug 2020 11:41

Tgt Ion:142 Resp: 9137
Ion Ratio Lower Upper
142 100
141 83.6 69.0 103.6
115 56.0 35.5 53.3#

