

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081820\
 Data File : VL035453.D
 Acq On : 18 Aug 2020 22:26
 Operator : SY/AP
 Sample : L3725-04 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 19 02:45:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 17 19:28:30 2020
 QLast Update : Mon Aug 17 19:28:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1122975	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	5188887	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	5151820	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3739227	10.37	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.70%

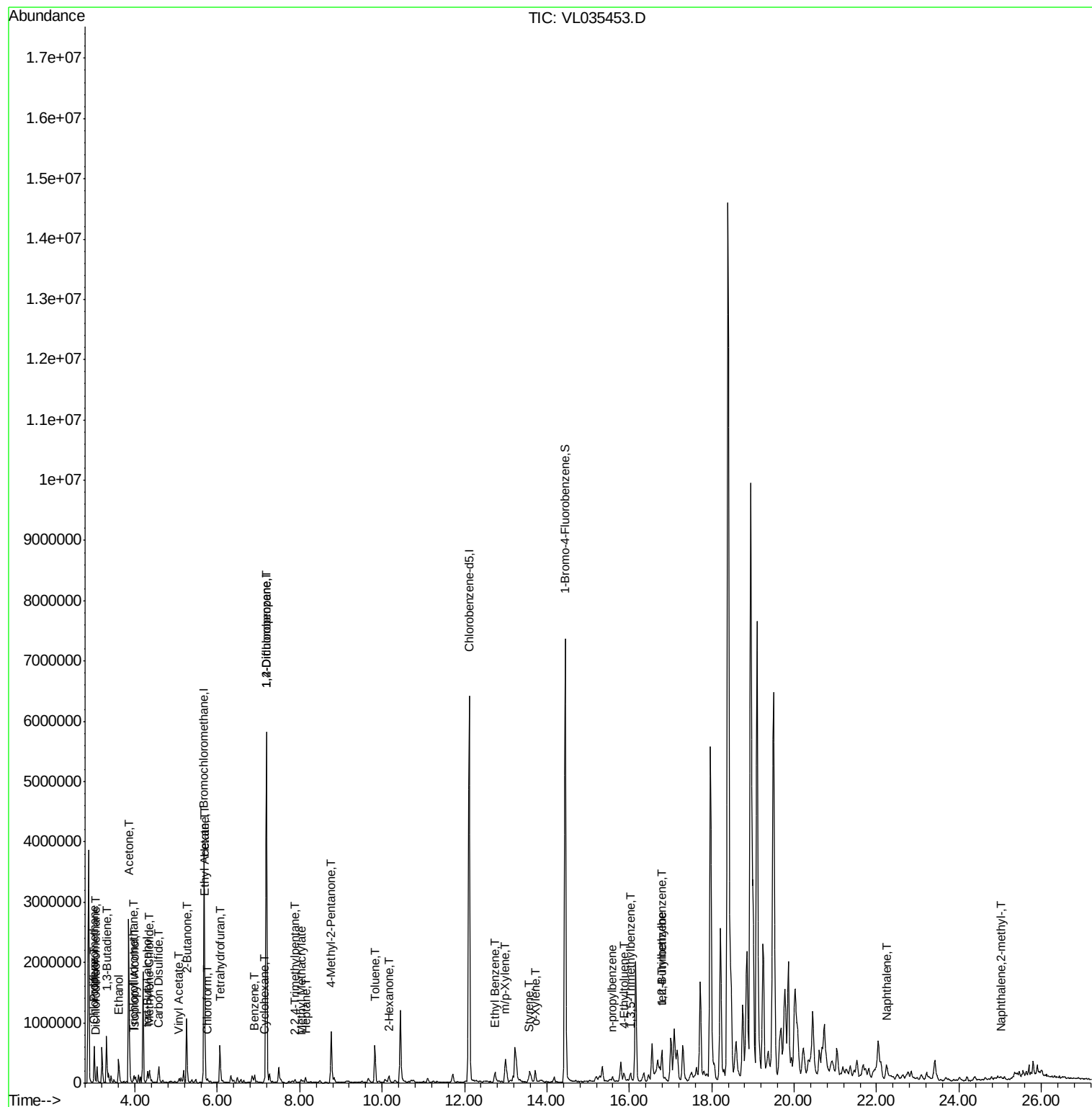
Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	14160	0.068 ppbv	96
3) Chlorodifluoromethane	2.99	51	4882	0.035 ppbv	92
9) Propene	3.01	41	240081	4.242 ppbv	97
10) Heptane	8.14	43	28247	0.190 ppbv #	75
11) Trichlorofluoromethane	3.96	101	12173	0.037 ppbv	99
13) Ethanol	3.60	45	409344	19.742 ppbv	98
15) Acetone	3.85	43	2460436	19.036 ppbv #	76
16) 1,3-Butadiene	3.31	39	221558	4.227 ppbv #	46
17) tert-Butyl alcohol	4.30	59	156196	0.935 ppbv	99
19) Isopropyl Alcohol	3.98	45	112654	1.265 ppbv #	97
20) Methylene Chloride	4.35	84	88743	0.851 ppbv #	63
23) Vinyl Acetate	5.07	43	28763	0.156 ppbv #	58
25) Ethyl Acetate	5.70	43	48674	0.194 ppbv #	87
26) Hexane	5.70	57	82942	0.584 ppbv #	33
27) Carbon Disulfide	4.56	76	87908	0.428 ppbv #	87
29) Chloroform	5.77	83	27497	0.096 ppbv	98
30) Cyclohexane	7.14	84	11203	0.071 ppbv #	17
34) 2-Butanone	5.25	43	1047892	6.044 ppbv #	70
36) Benzene	6.91	78	112937	0.297 ppbv #	89
39) 1,2-Dichloropropane	7.19	63	889637	7.088 ppbv #	23
41) Tetrahydrofuran	6.07	42	297629	3.112 ppbv #	52
43) Methyl Methacrylate	8.03	69	23700	0.159 ppbv #	75
44) 2,2,4-Trimethylpentane	7.89	57	36275	0.073 ppbv #	84
50) 4-Methyl-2-Pentanone	8.76	43	570342	2.293 ppbv #	80
51) 2-Hexanone	10.17	43	70222	0.335 ppbv #	71
53) Toluene	9.83	91	541828	1.105 ppbv	98
58) Ethyl Benzene	12.74	91	142649	0.229 ppbv	96
59) m/p-Xylene	12.99	91	421519	0.802 ppbv #	83
60) o-Xylene	13.72	91	161926	0.317 ppbv	89
61) Styrene	13.55	104	30462	0.074 ppbv #	88
64) n-propylbenzene	15.60	120	11421	0.044 ppbv #	1
65) tert-Butylbenzene	16.79	119	53386	0.066 ppbv #	87
72) 4-Ethyltoluene	15.87	105	118018	0.176 ppbv #	92
73) 1,3,5-Trimethylbenzene	16.03	105	116339	0.186 ppbv	93
74) 1,2,4-Trimethylbenzene	16.79	105	423958	0.625 ppbv #	71
79) Naphthalene	22.24	128	56574	0.059 ppbv	97
80) Naphthalene,2-methyl-	25.00	142	37373	0.095 ppbv	97

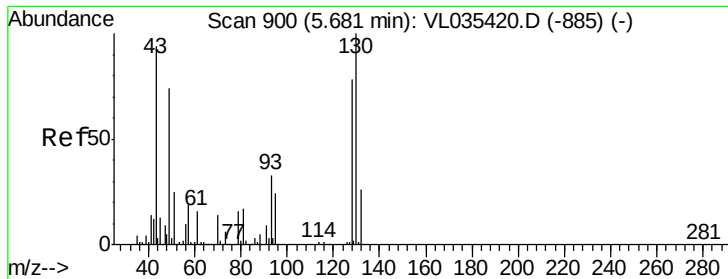
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 17 19:28:30 2020
QLast Update : Mon Aug 17 19:28:30 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.00 min

Lab File: VL035453.D

Acq: 18 Aug 2020 22:26

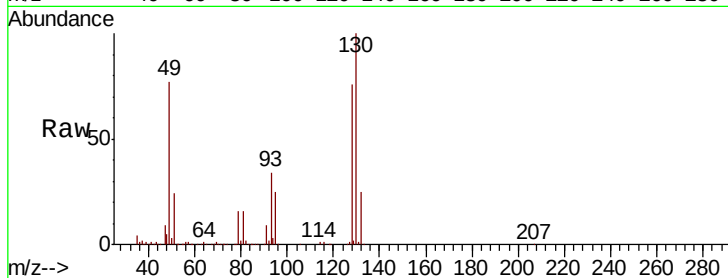
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 49 Resp: 1122975

Ion	Ratio	Lower	Upper
49	100		
128	102.9	20.9	62.7#
130	132.0	26.7	80.1#



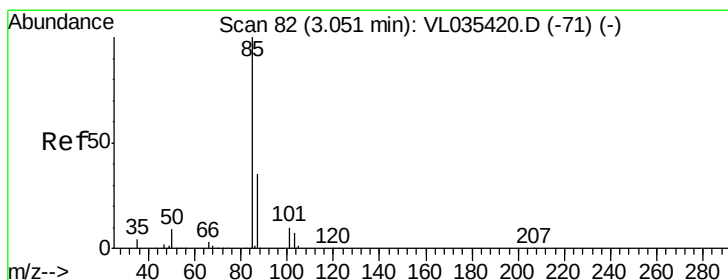
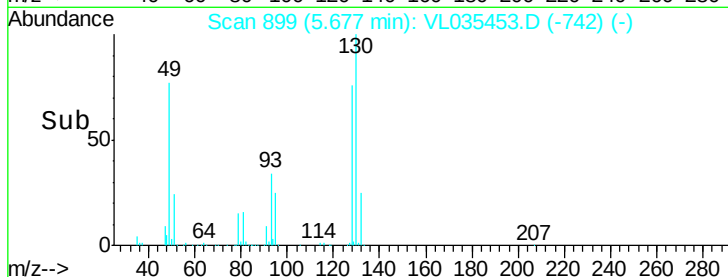
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.68

Time-->



#2

Dichlorodifluoromethane

Concen: 0.068 ppbv

RT: 3.05 min Scan# 81

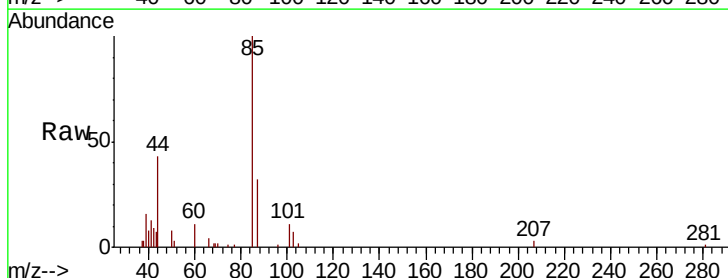
Delta R.T. 0.00 min

Lab File: VL035453.D

Acq: 18 Aug 2020 22:26

Tgt Ion: 85 Resp: 14160

Ion	Ratio	Lower	Upper
85	100		
87	31.6	27.1	40.7

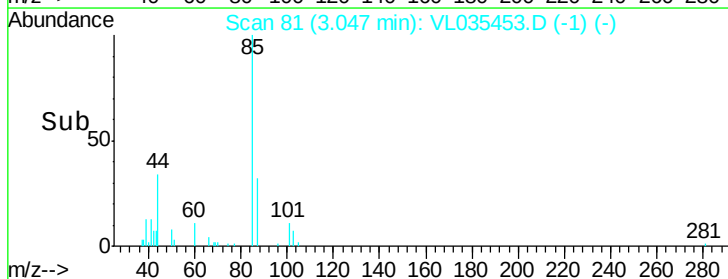


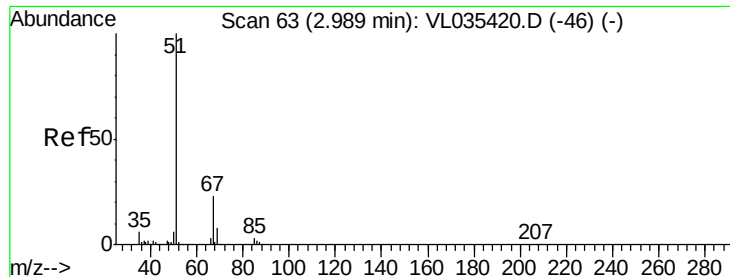
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.05

Time-->





#3

Chlorodifluoromethane

Concen: 0.035 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.01 min

Lab File: VL035453.D

Acq: 18 Aug 2020 22:26

Instrument :

MSVOA_L

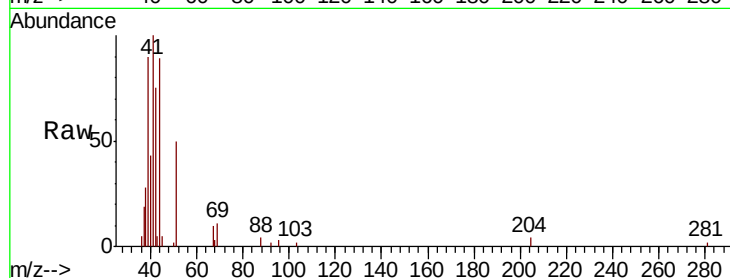
ClientSampleId :

Tot Ion: 51 Resp: 4882

Ion Ratio Lower Upper

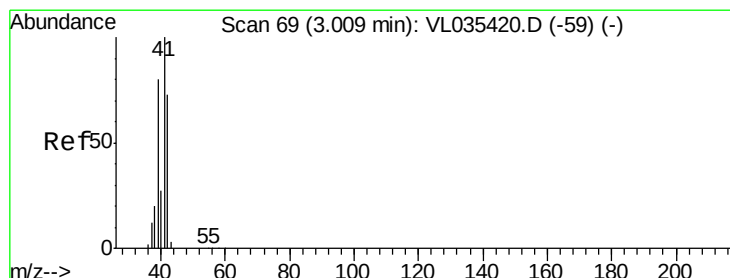
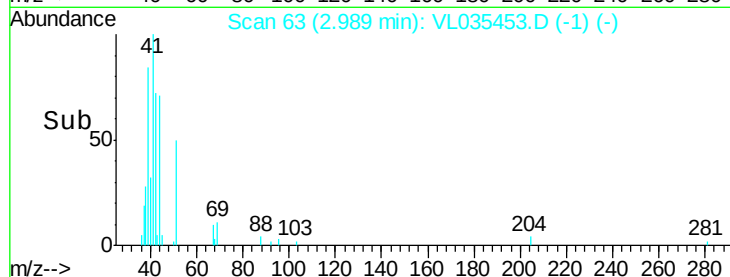
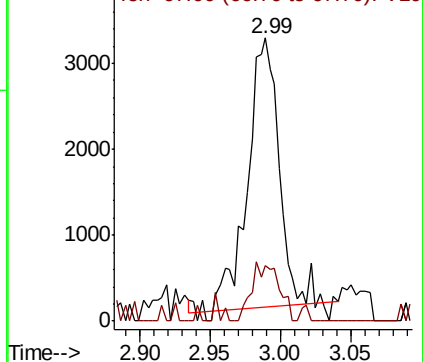
51 100

67 22.2 15.0 22.6



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#9

Propene

Concen: 4.242 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VL035453.D

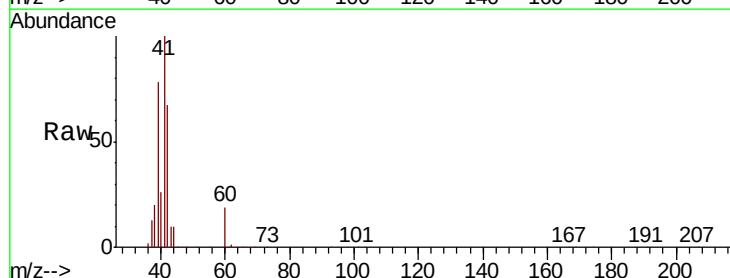
Acq: 18 Aug 2020 22:26

Tgt Ion: 41 Resp: 240081

Ion Ratio Lower Upper

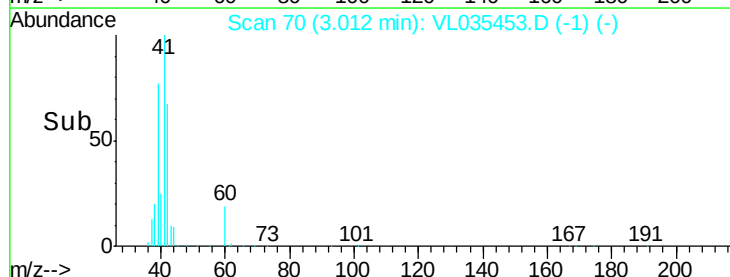
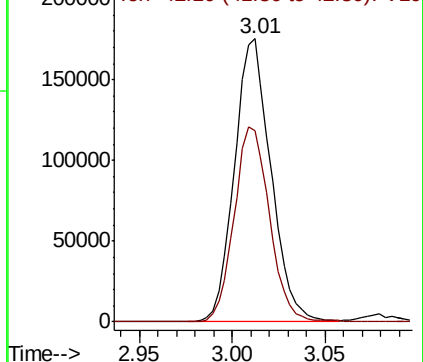
41 100

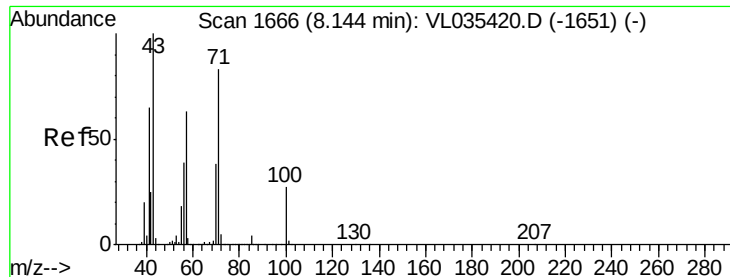
42 67.2 55.5 83.3



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

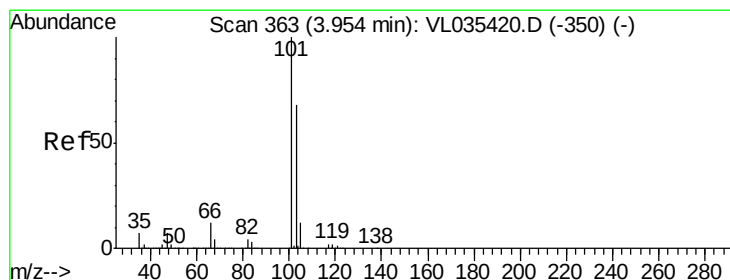
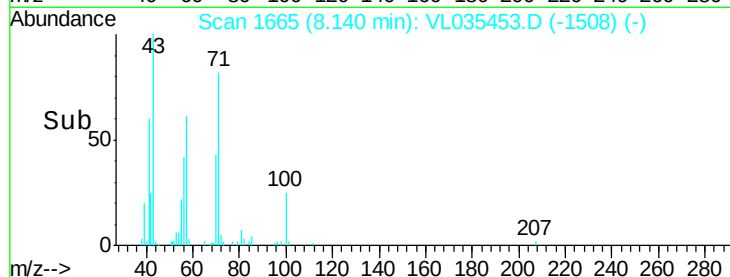
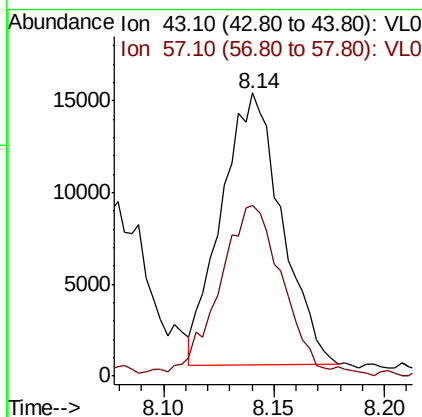
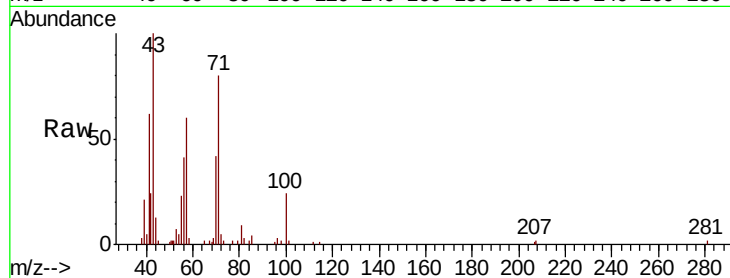




#10
 Heptane
 Concen: 0.190 ppbv
 RT: 8.14 min Scan# 1665
 Delta R.T. 0.00 min
 Lab File: VL035453.D
 Acq: 18 Aug 2020 22:26

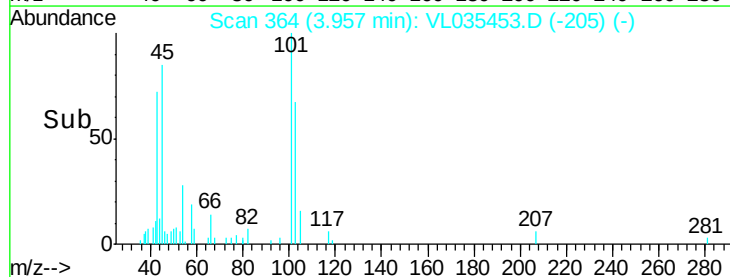
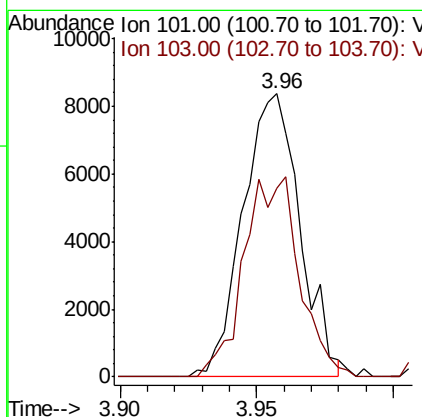
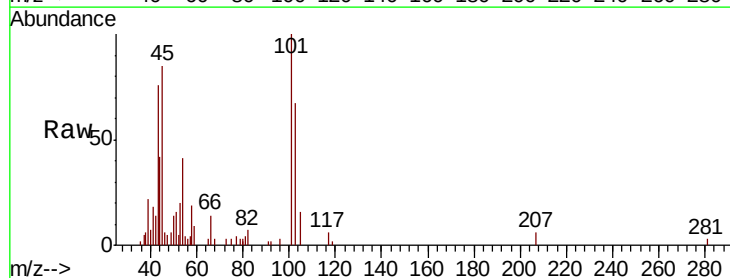
Instrument :
 MSVOA_L
 ClientSampleId :

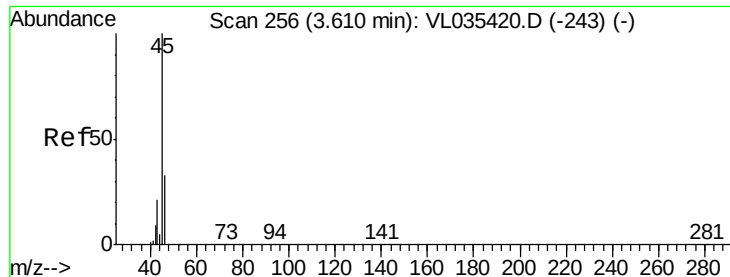
Tot Ion: 43 Resp: 28247
 Ion Ratio Lower Upper
 43 100
 57 67.1 39.8 59.6#



#11
 Trichlorofluoromethane
 Concen: 0.037 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VL035453.D
 Acq: 18 Aug 2020 22:26

Tgt Ion: 101 Resp: 12173
 Ion Ratio Lower Upper
 101 100
 103 66.7 52.6 78.8





#13

Ethanol

Concen: 19.742 ppbv

RT: 3.60 min Scan# 254

Delta R.T. 0.00 min

Lab File: VL035453.D

Acq: 18 Aug 2020 22:26

Instrument :

MSVOA_L

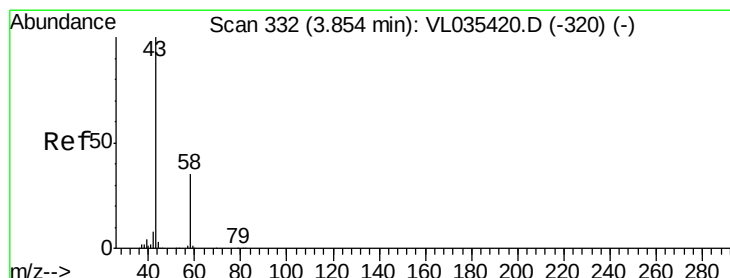
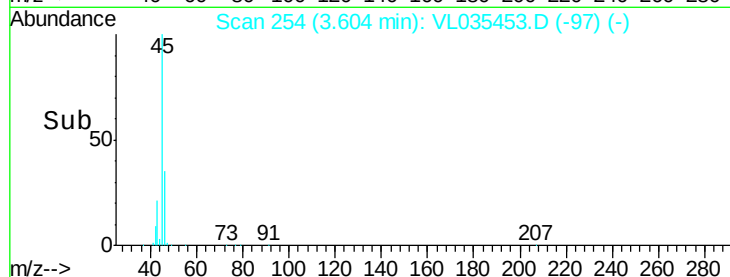
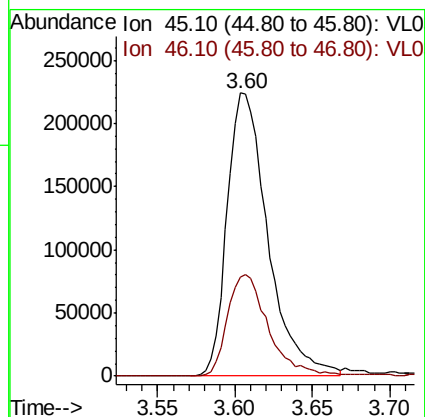
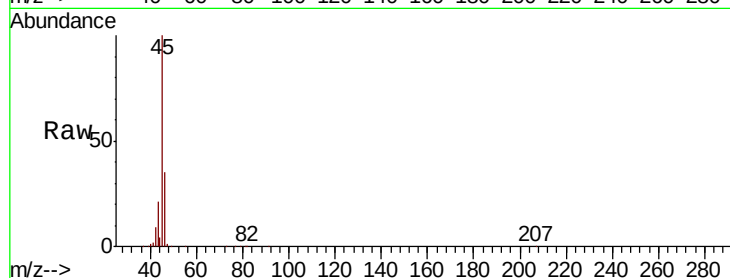
ClientSampleId :

Tot Ion: 45 Resp: 409344

Ion Ratio Lower Upper

45 100

46 36.6 14.2 56.6



#15

Acetone

Concen: 19.036 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.00 min

Lab File: VL035453.D

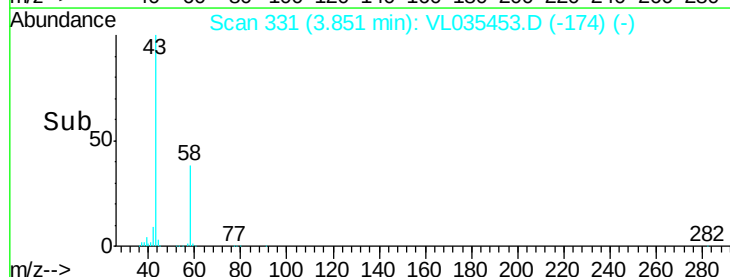
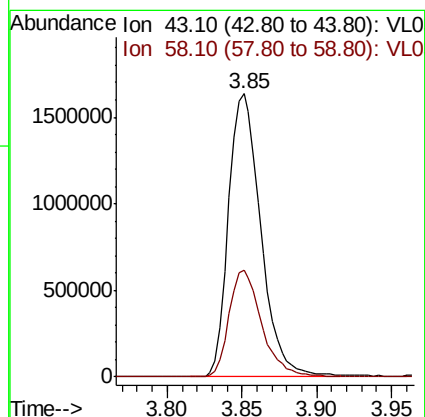
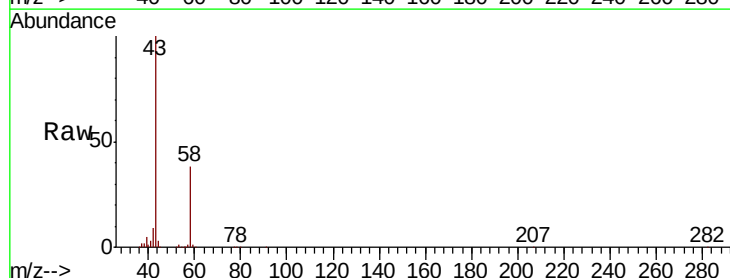
Acq: 18 Aug 2020 22:26

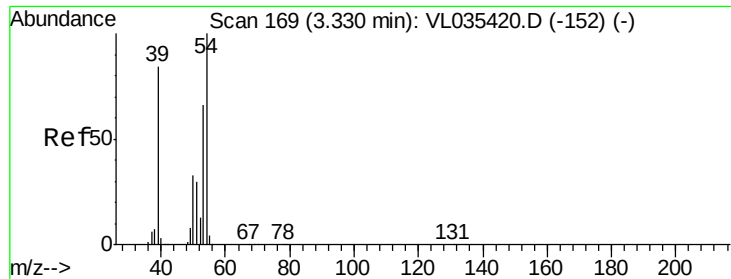
Tgt Ion: 43 Resp: 2460436

Ion Ratio Lower Upper

43 100

58 38.4 21.0 31.6#

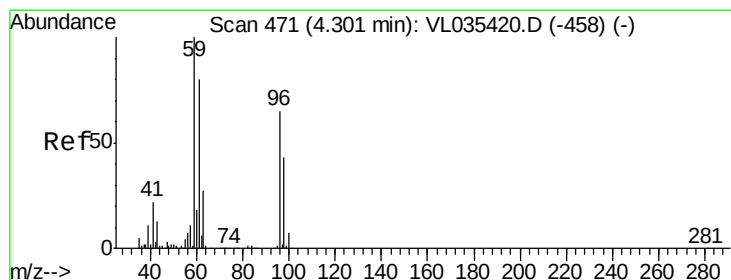
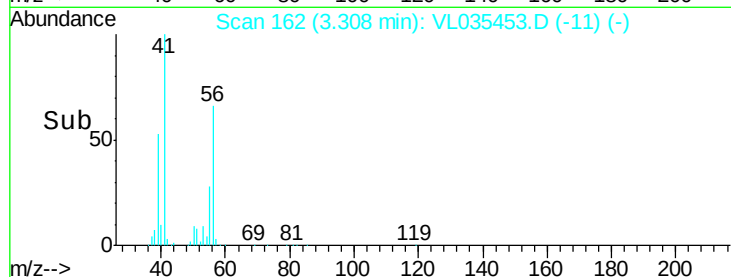
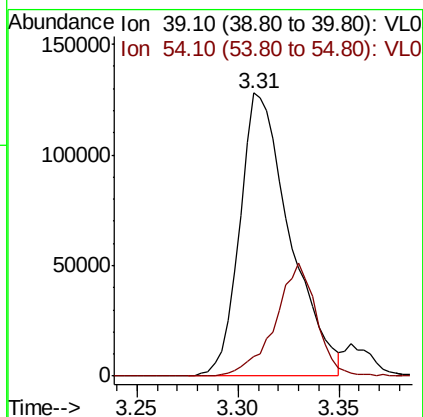
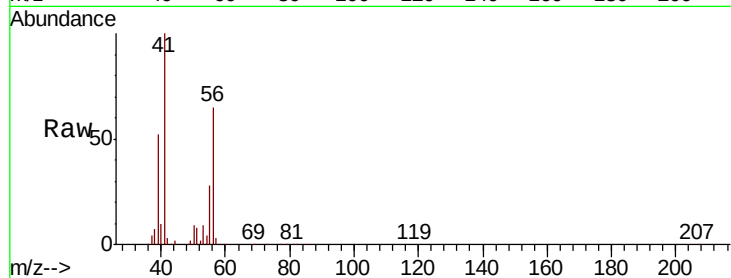




#16
 1,3-Butadiene
 Concen: 4.227 ppbv
 RT: 3.31 min Scan# 162
 Delta R.T. -0.02 min
 Lab File: VL035453.D
 Acq: 18 Aug 2020 22:26

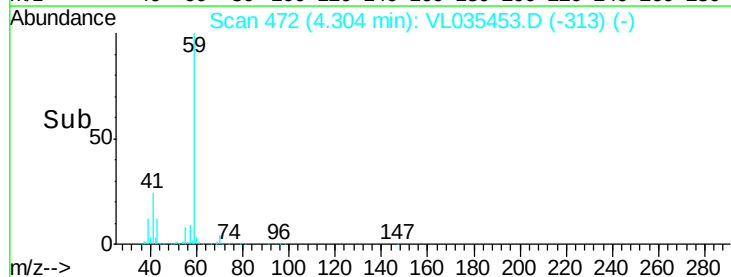
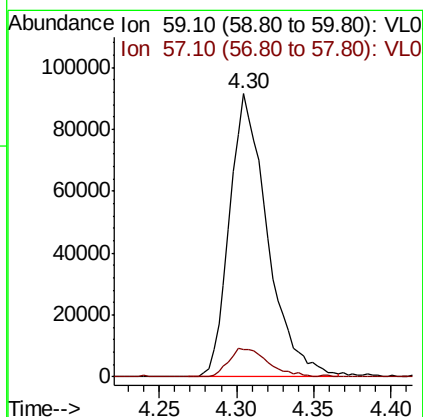
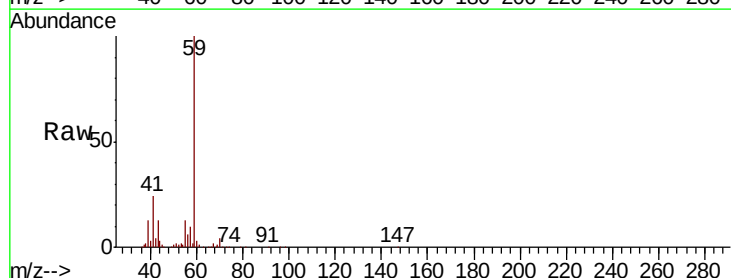
Instrument :
 MSVOA_L
 ClientSampled :

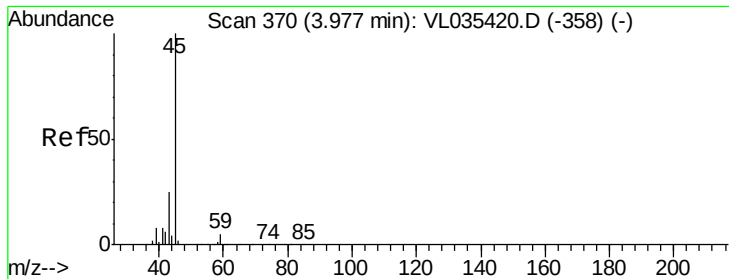
Tot Ion: 39 Resp: 221558
 Ion Ratio Lower Upper
 39 100
 54 32.6 64.4 96.6#



#17
 tert-Butyl alcohol
 Concen: 0.935 ppbv
 RT: 4.30 min Scan# 472
 Delta R.T. 0.01 min
 Lab File: VL035453.D
 Acq: 18 Aug 2020 22:26

Tgt Ion: 59 Resp: 156196
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.9 13.3





#19

Isopropyl Alcohol

Concen: 1.265 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.01 min

Lab File: VL035453.D

Acq: 18 Aug 2020 22:26

Instrument :

MSVOA_L

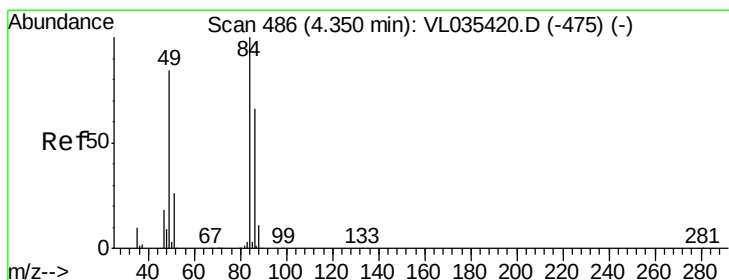
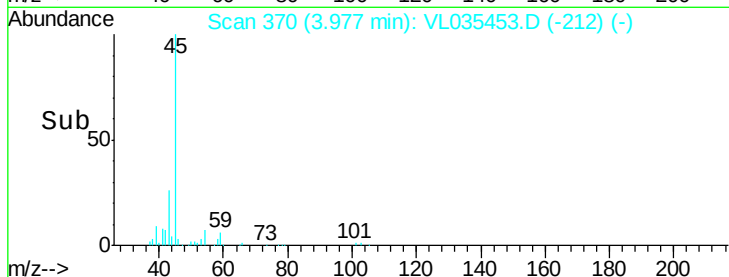
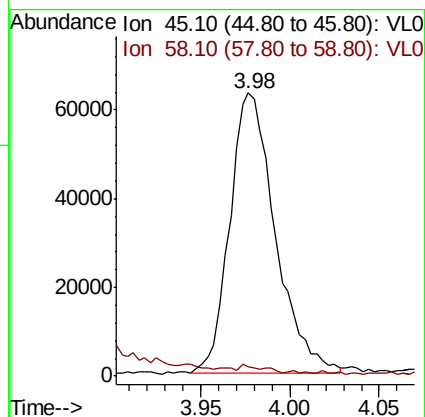
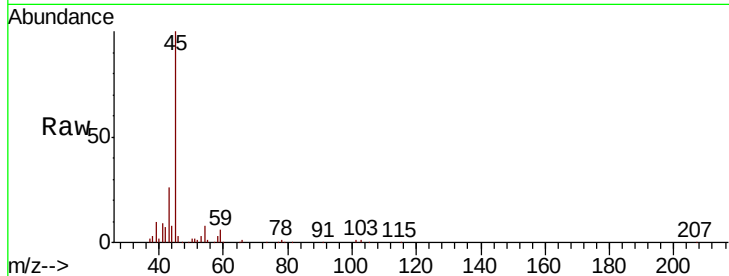
ClientSampleId :

Tot Ion: 45 Resp: 112654

Ion Ratio Lower Upper

45 100

58 0.0 1.0 1.6#



#20

Methylene Chloride

Concen: 0.851 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.01 min

Lab File: VL035453.D

Acq: 18 Aug 2020 22:26

Tgt Ion: 84 Resp: 88743

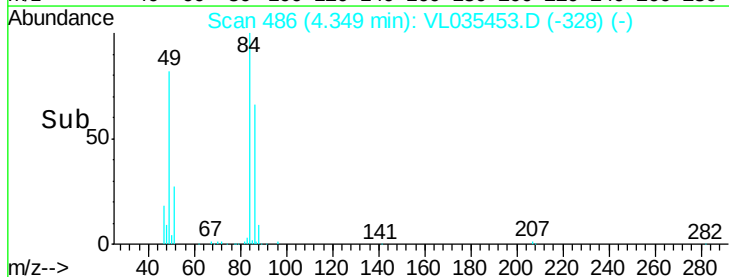
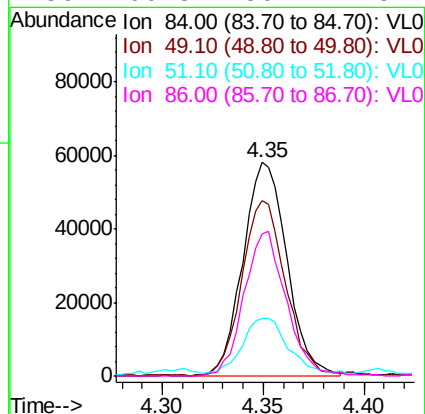
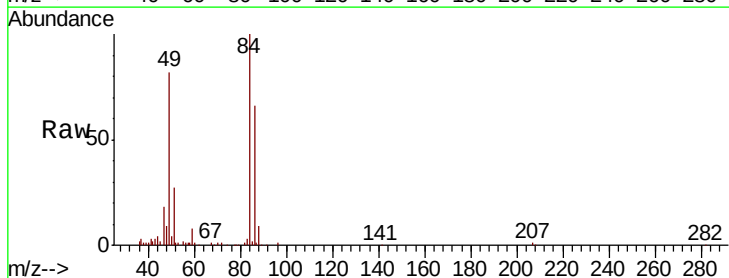
Ion Ratio Lower Upper

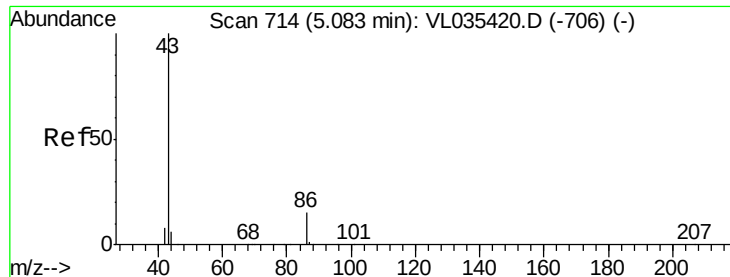
84 100

49 82.2 118.6 177.8#

51 24.5 36.4 54.6#

86 66.3 50.2 75.4

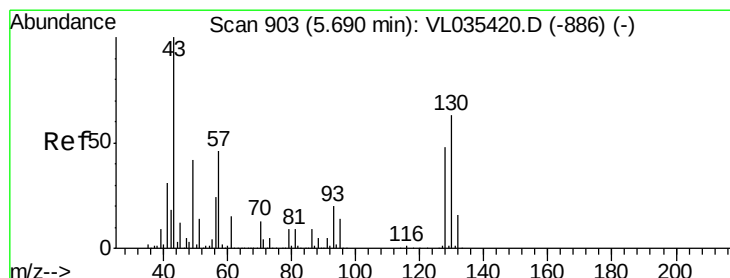
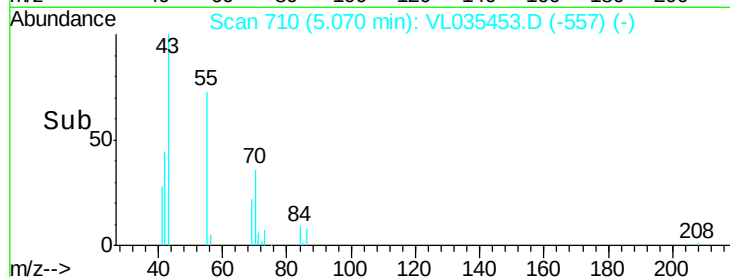
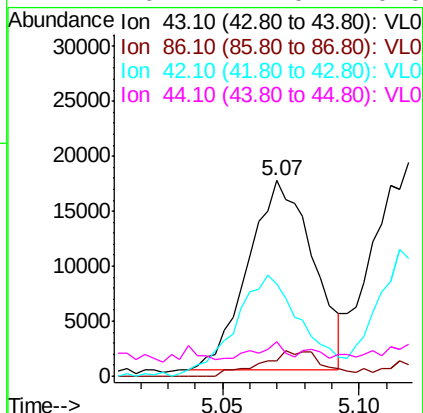
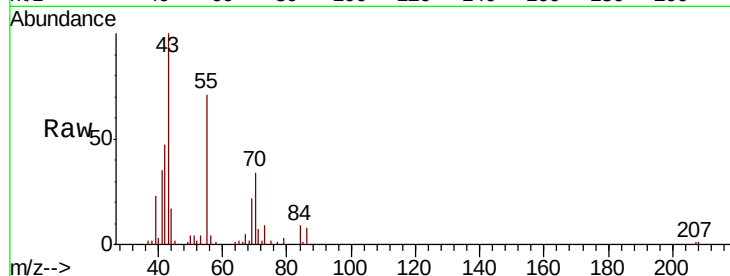




#23
 Vinyl Acetate
 Concen: 0.156 ppbv
 RT: 5.07 min Scan# 710
 Delta R.T. -0.01 min
 Lab File: VL035453.D
 Acq: 18 Aug 2020 22:26

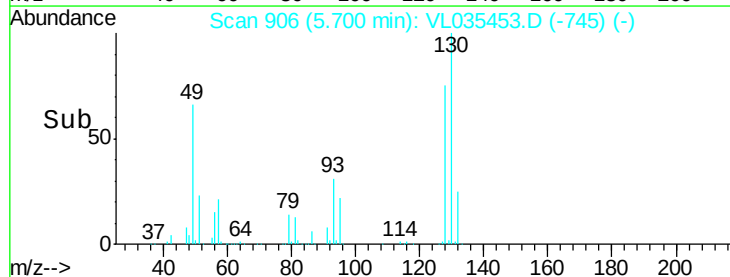
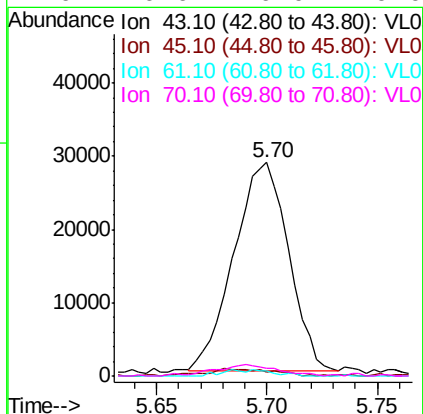
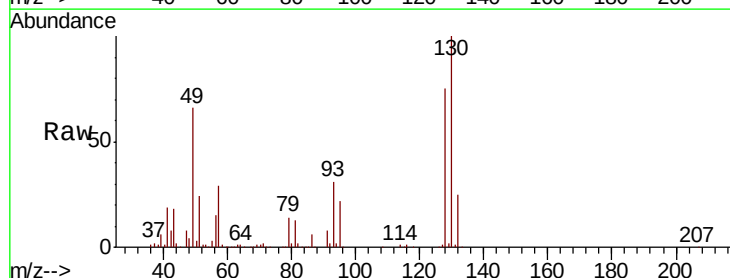
Instrument :
 MSVOA_L
 ClientSampled :

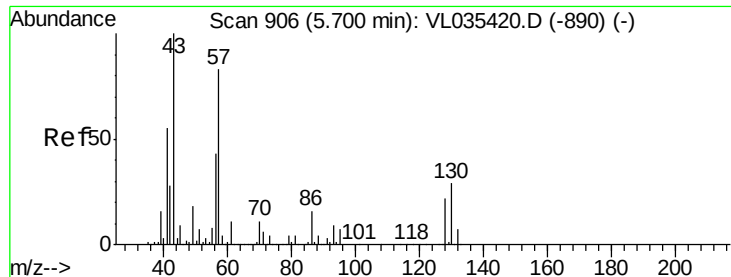
Tot Ion:	43	Resp:	28763
Ion	Ratio	Lower	Upper
43	100		
86	8.1	6.5	9.7
42	44.7	8.3	12.5#
44	6.7	4.0	6.0#



#25
 Ethyl Acetate
 Concen: 0.194 ppbv
 RT: 5.70 min Scan# 906
 Delta R.T. 0.02 min
 Lab File: VL035453.D
 Acq: 18 Aug 2020 22:26

Tgt Ion:	43	Resp:	48674
Ion	Ratio	Lower	Upper
43	100		
45	4.9	8.3	12.5#
61	2.8	7.6	11.4#
70	6.6	6.0	9.0





#26

Hexane

Concen: 0.584 ppbv

RT: 5.70 min Scan# 905

Delta R.T. 0.00 min

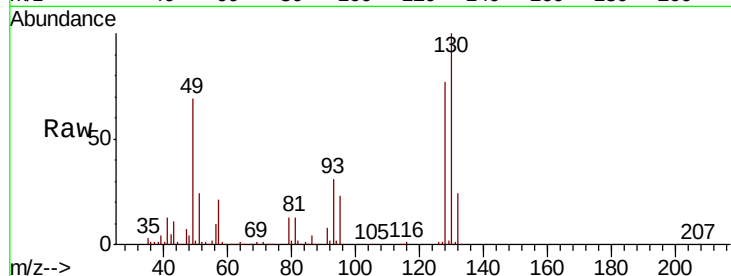
Lab File: VL035453.D

Acq: 18 Aug 2020 22:26

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 57 Resp: 82942

Ion	Ratio	Lower	Upper
57	100		
41	71.2	75.5	113.3#
43	63.6	181.7	272.5#
56	56.9	42.4	63.6



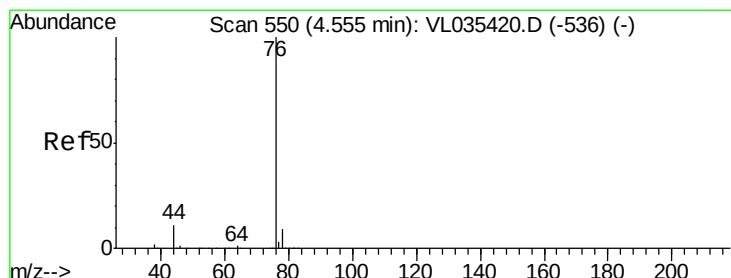
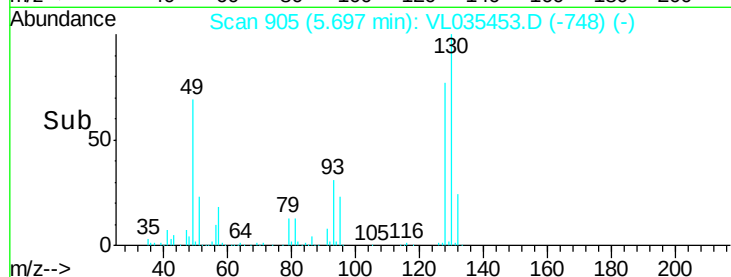
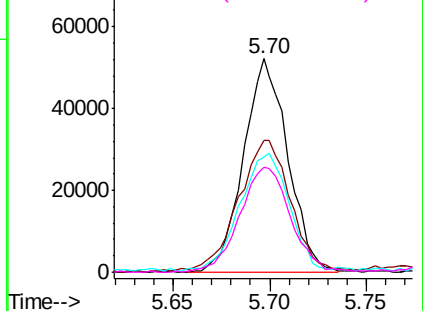
Abundance

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: 0.428 ppbv

RT: 4.56 min Scan# 551

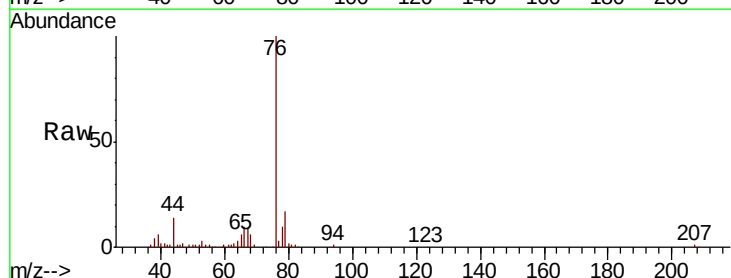
Delta R.T. 0.01 min

Lab File: VL035453.D

Acq: 18 Aug 2020 22:26

Tgt Ion: 76 Resp: 87908

Ion	Ratio	Lower	Upper
76	100		
44	13.8	16.8	25.2#
78	12.1	7.3	10.9#

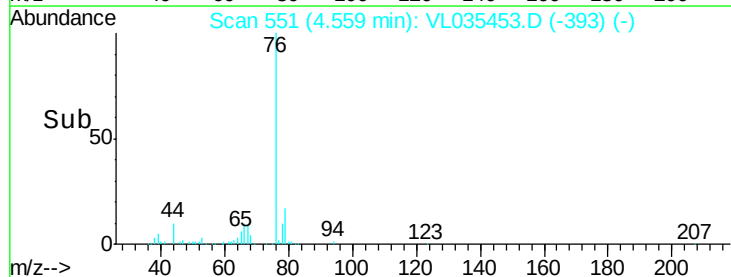
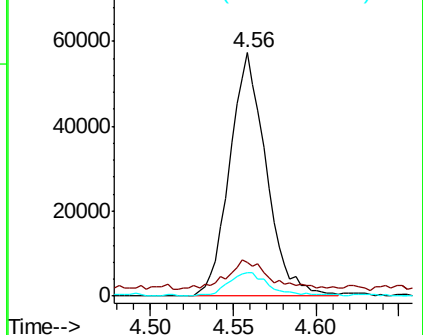


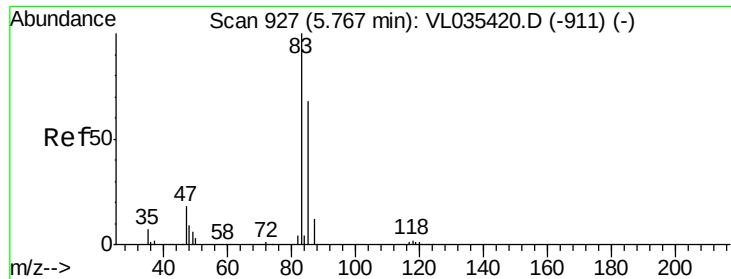
Abundance

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

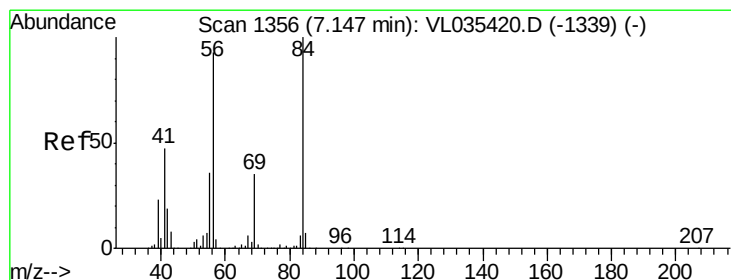
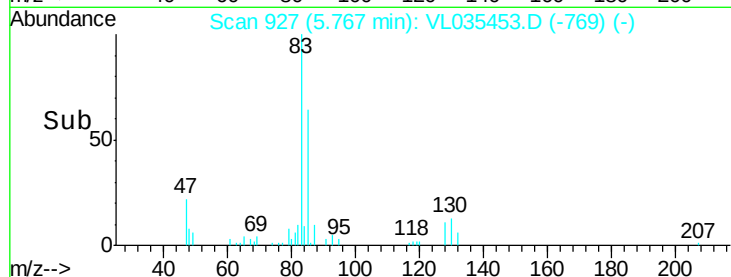
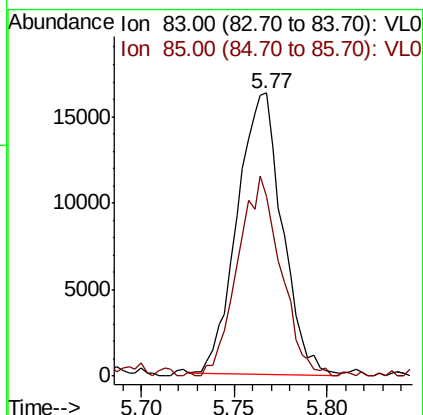
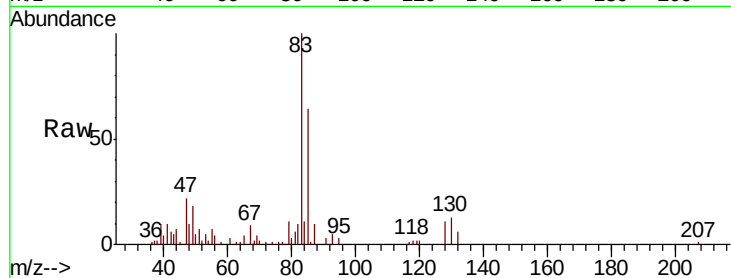




#29
Chloroform
Concen: 0.096 ppbv
RT: 5.77 min Scan# 927
Delta R.T. 0.01 min
Lab File: VL035453.D
Acq: 18 Aug 2020 22:26

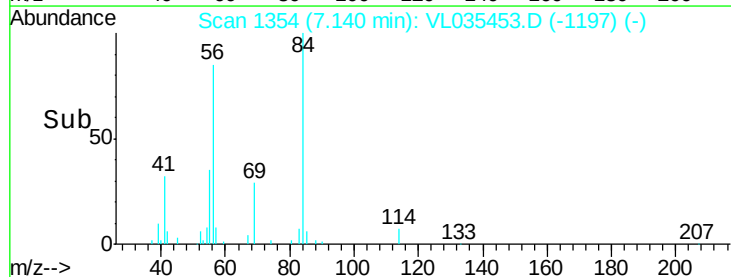
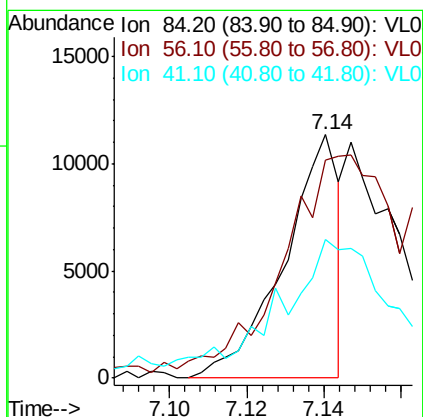
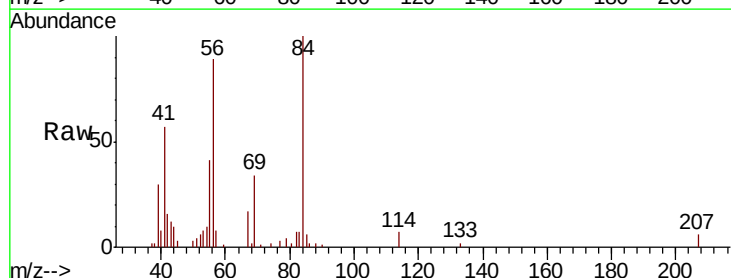
Instrument :
MSVOA_L
ClientSampleId :

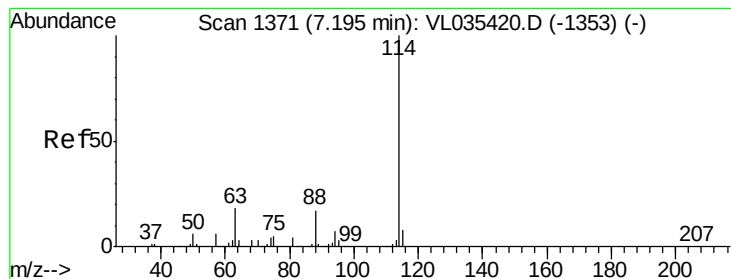
Tot Ion: 83 Resp: 27497
Ion Ratio Lower Upper
83 100
85 64.4 52.7 79.1



#30
Cyclohexane
Concen: 0.071 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.00 min
Lab File: VL035453.D
Acq: 18 Aug 2020 22:26

Tgt Ion: 84 Resp: 11203
Ion Ratio Lower Upper
84 100
56 0.0 114.9 172.3#
41 118.8 72.3 108.5#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1370

Delta R.T. 0.00 min

Lab File: VL035453.D

Acq: 18 Aug 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

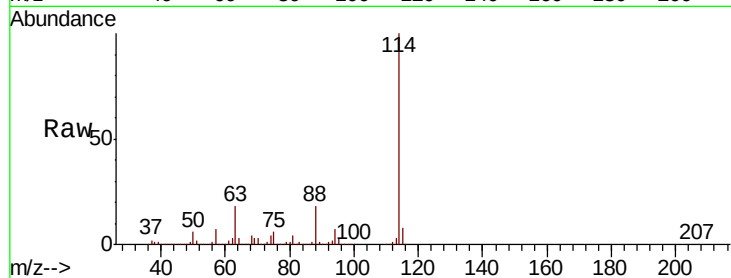
Tot Ion:114 Resp: 5188887

Ion Ratio Lower Upper

114 100

63 17.2 23.1 34.7#

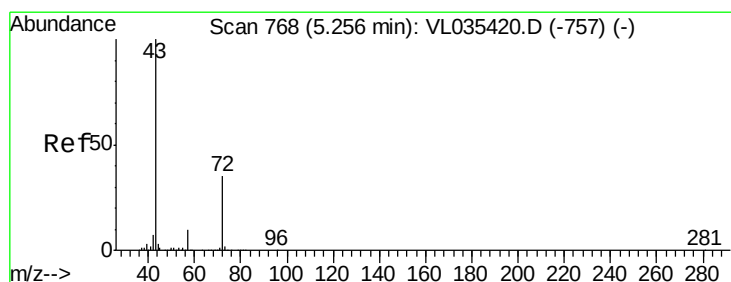
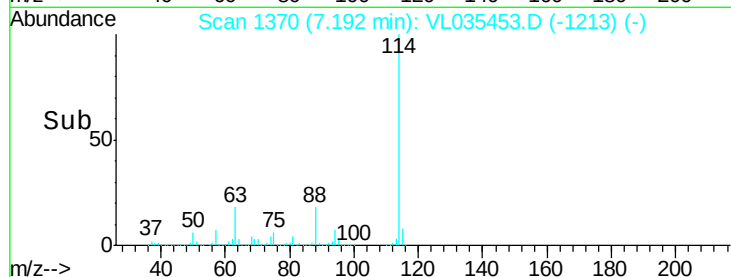
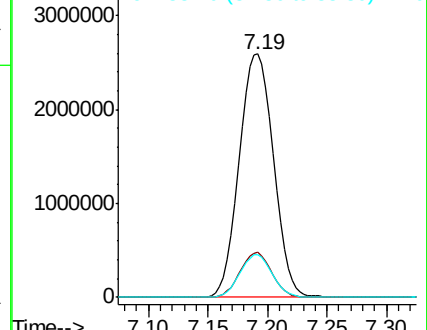
88 16.5 15.9 23.9



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 6.044 ppbv

RT: 5.25 min Scan# 767

Delta R.T. 0.00 min

Lab File: VL035453.D

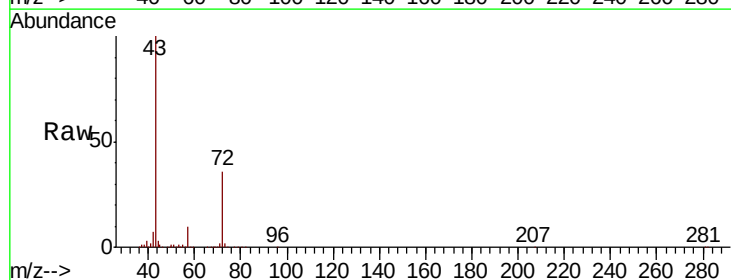
Acq: 18 Aug 2020 22:26

Tgt Ion: 43 Resp: 1047892

Ion Ratio Lower Upper

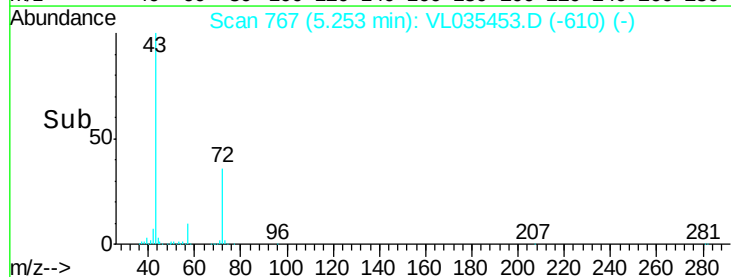
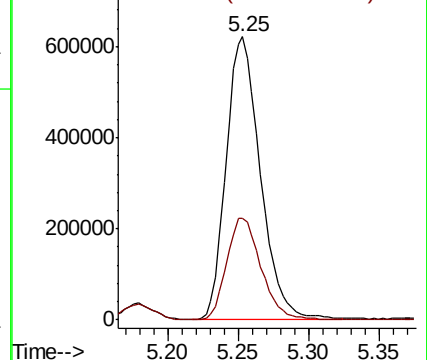
43 100

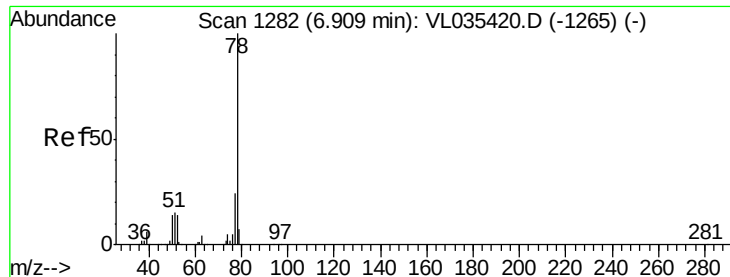
72 36.3 17.6 26.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

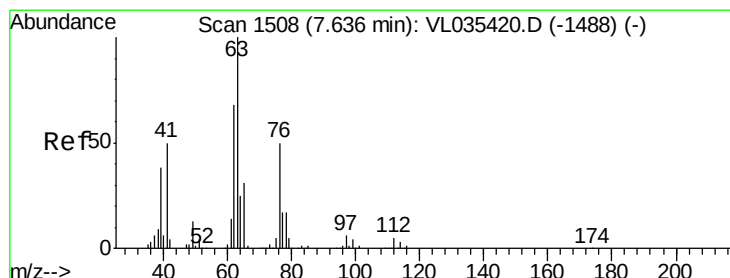
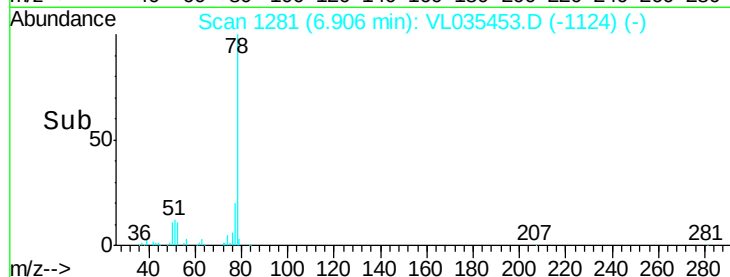
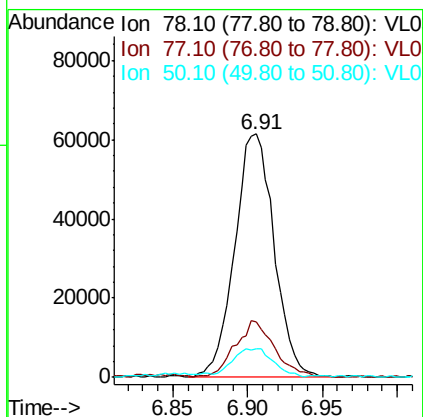
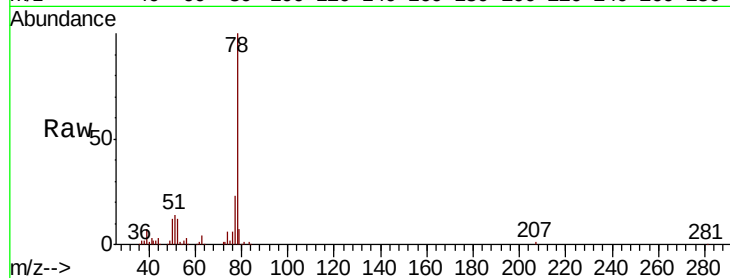




#36
Benzene
Concen: 0.297 ppbv
RT: 6.91 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VL035453.D
Acq: 18 Aug 2020 22:26

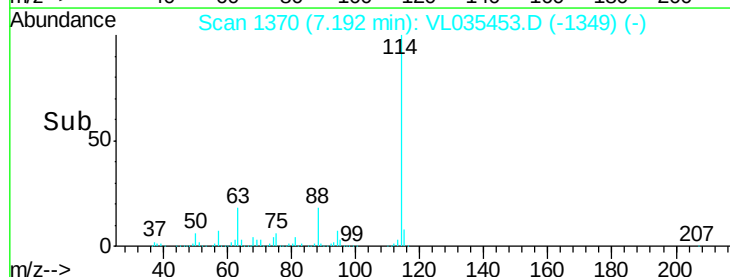
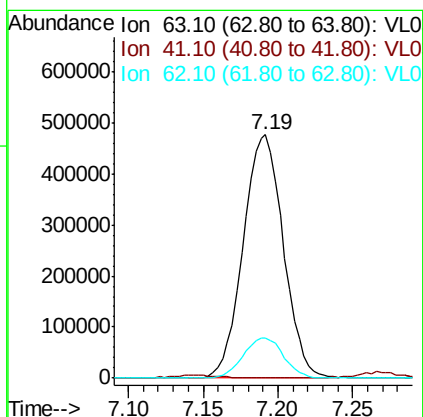
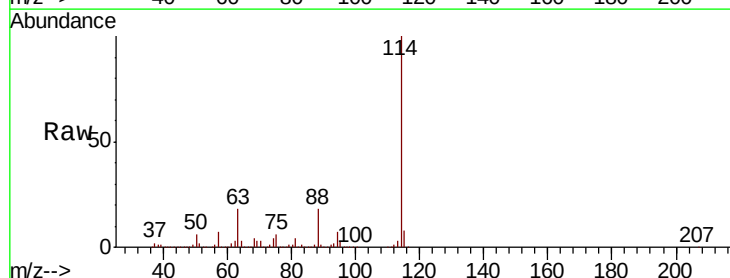
Instrument :
MSVOA_L
ClientSampleId :

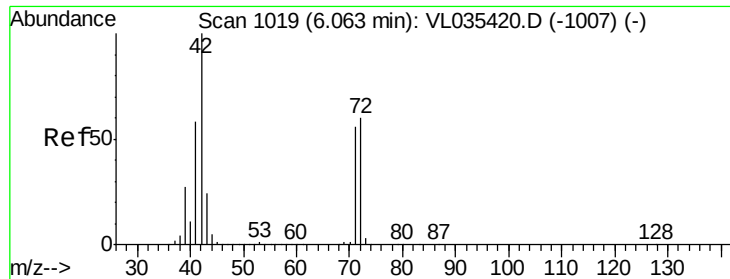
Tot Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.6	29.4
50	11.1	16.3	24.5#



#39
1,2-Dichloropropane
Concen: 7.088 ppbv
RT: 7.19 min Scan# 1370
Delta R.T. -0.43 min
Lab File: VL035453.D
Acq: 18 Aug 2020 22:26

Tgt Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.1	91.7#
62	16.6	55.3	82.9#





#41

Tetrahydrofuran

Concen: 3.112 ppbv

RT: 6.07 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VL035453.D

Acq: 18 Aug 2020 22:26

Instrument :

MSVOA_L

ClientSampled :

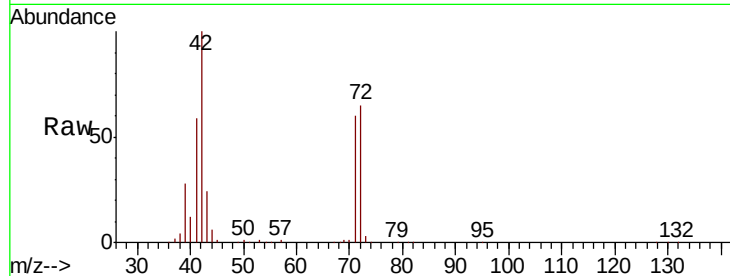
Tot Ion: 42 Resp: 297629

Ion Ratio Lower Upper

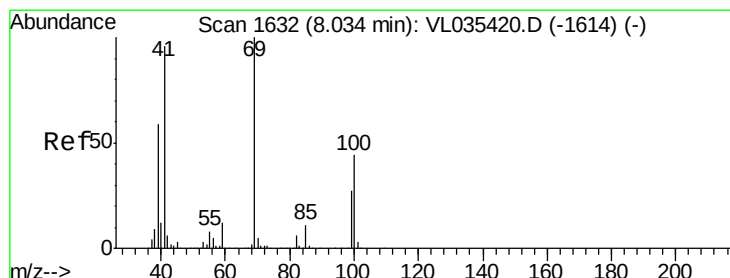
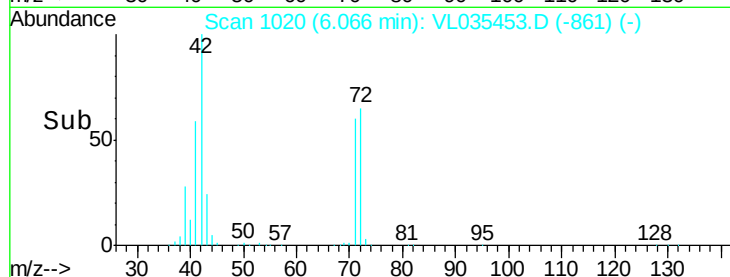
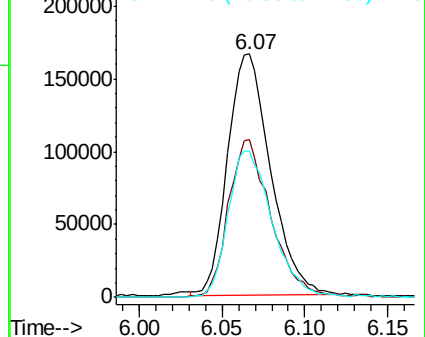
42 100

72 65.9 29.4 44.2#

71 63.3 28.9 43.3#



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#43

Methyl Methacrylate

Concen: 0.159 ppbv

RT: 8.03 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VL035453.D

Acq: 18 Aug 2020 22:26

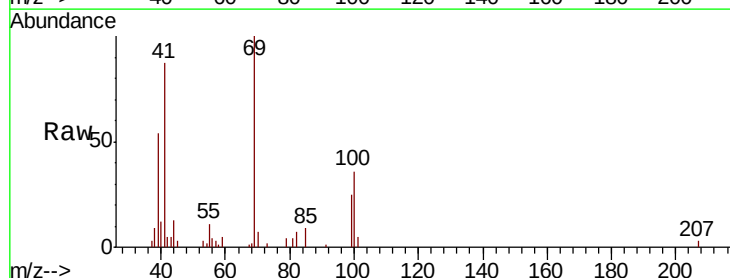
Tgt Ion: 69 Resp: 23700

Ion Ratio Lower Upper

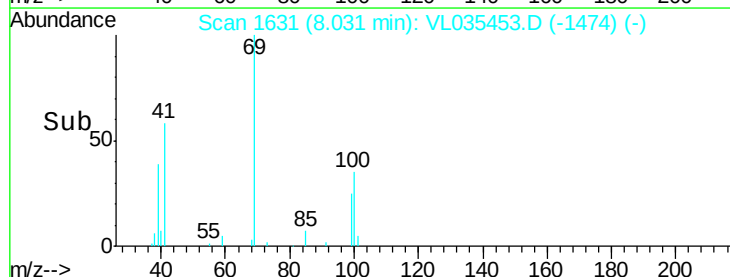
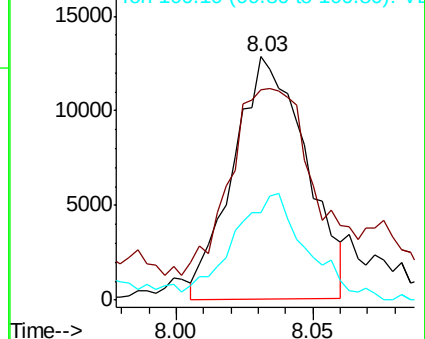
69 100

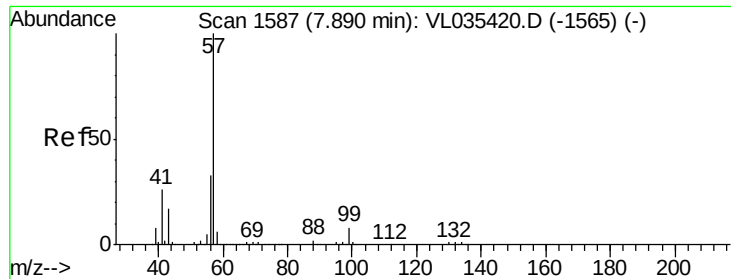
41 124.2 123.4 185.0

100 47.7 24.2 36.4#



Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

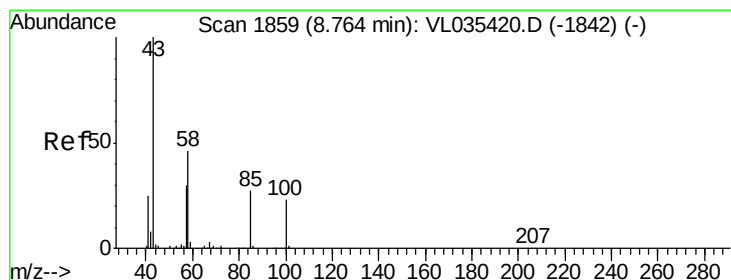
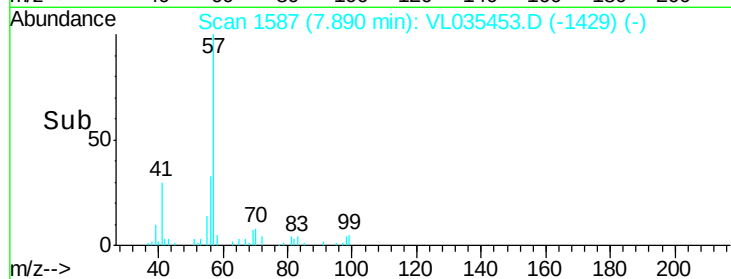
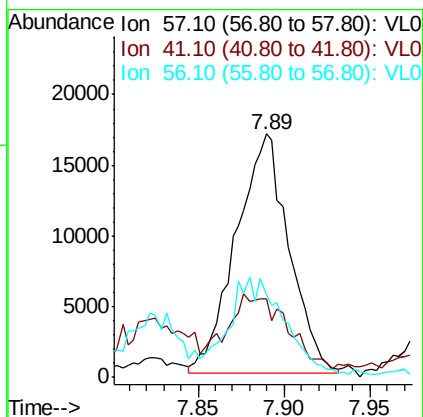
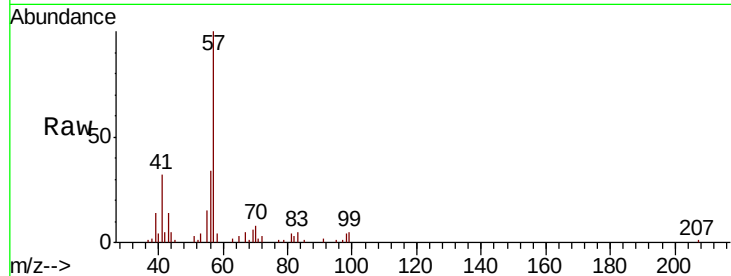




#44
 2,2,4-Trimethylpentane
 Concen: 0.073 ppbv
 RT: 7.89 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VL035453.D
 Acq: 18 Aug 2020 22:26

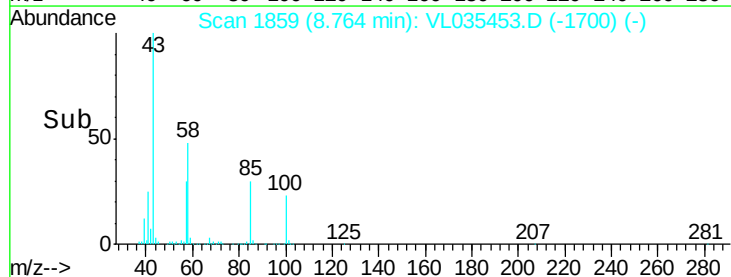
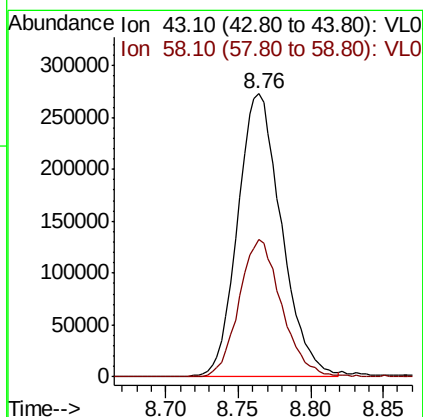
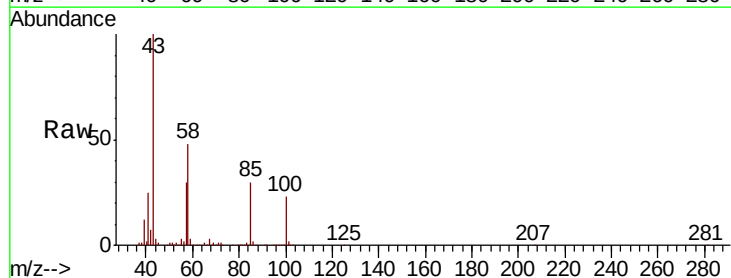
Instrument :
 MSVOA_L
 ClientSampleId :

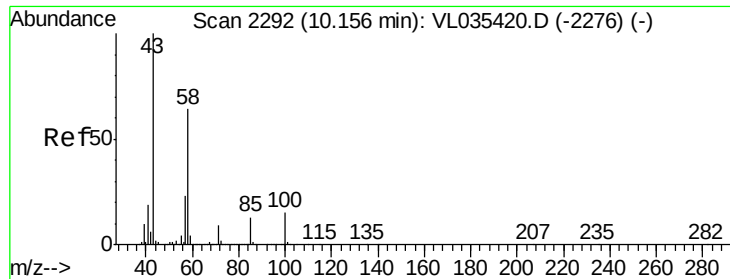
Tot Ion	57	Resp	36275
Ion Ratio	100	Lower	Upper
41	39.7	27.2	40.8
56	43.7	25.4	38.0#



#50
 4-Methyl-2-Pentanone
 Concen: 2.293 ppbv
 RT: 8.76 min Scan# 1859
 Delta R.T. 0.01 min
 Lab File: VL035453.D
 Acq: 18 Aug 2020 22:26

Tgt Ion	43	Resp	570342
Ion Ratio	100	Lower	Upper
58	47.8	28.7	43.1#

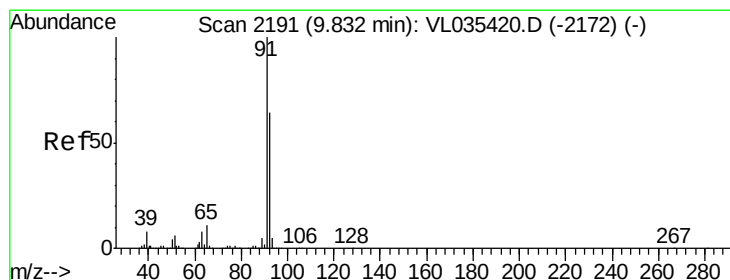
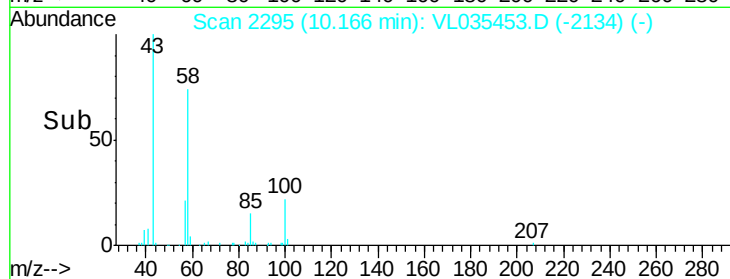
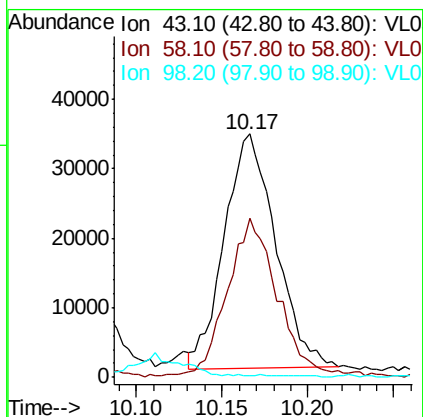
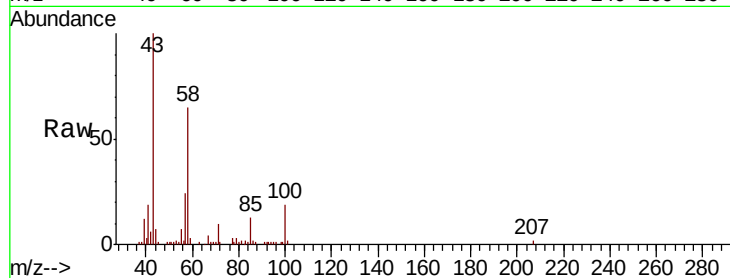




#51
2-Hexanone
Concen: 0.335 ppbv
RT: 10.17 min Scan# 2295
Delta R.T. 0.02 min
Lab File: VL035453.D
Acq: 18 Aug 2020 22:26

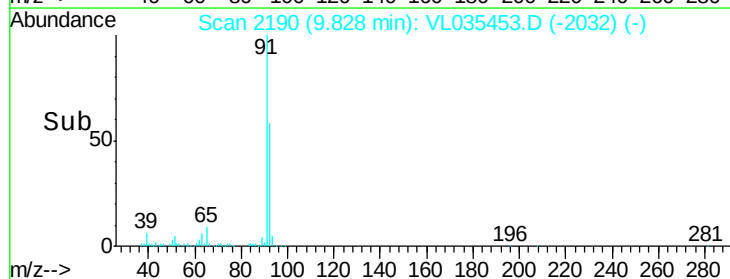
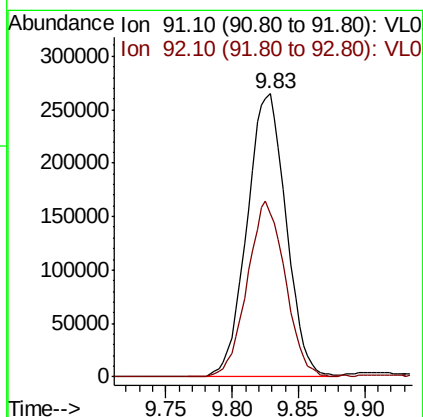
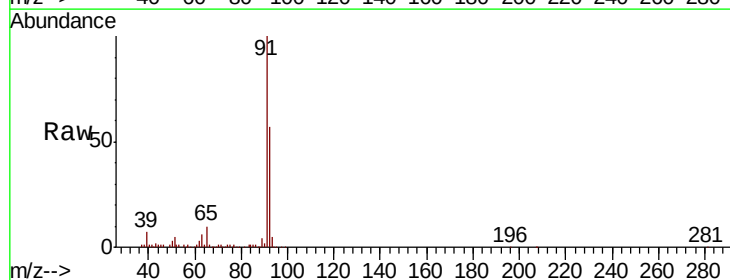
Instrument :
MSVOA_L
ClientSampleId :

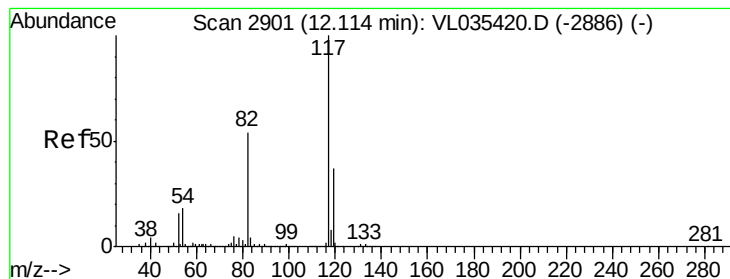
Tot Ion: 43 Resp: 70222
Ion Ratio Lower Upper
43 100
58 68.2 38.6 58.0#
98 0.4 0.2 0.2#



#53
Toluene
Concen: 1.105 ppbv
RT: 9.83 min Scan# 2190
Delta R.T. 0.01 min
Lab File: VL035453.D
Acq: 18 Aug 2020 22:26

Tgt Ion: 91 Resp: 541828
Ion Ratio Lower Upper
91 100
92 60.2 49.1 73.7





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2900

Delta R.T. 0.00 min

Lab File: VL035453.D

Acq: 18 Aug 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

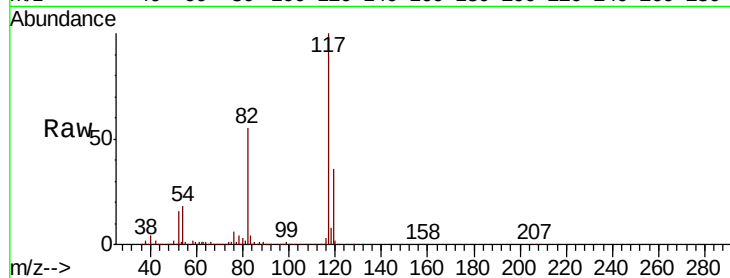
Tot Ion:117 Resp: 5151820

Ion Ratio Lower Upper

117 100

82 53.2 57.4 86.0#

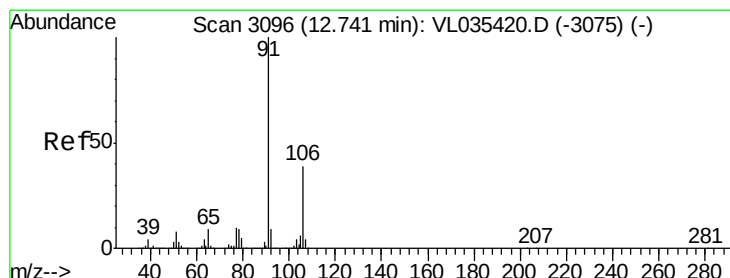
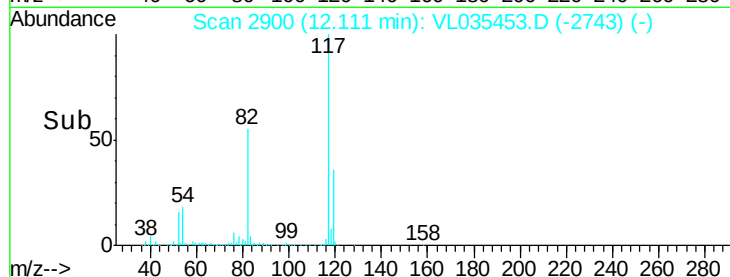
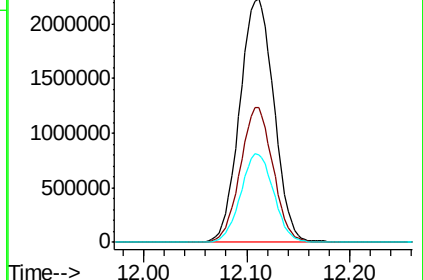
119 35.1 28.4 42.6



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: 0.229 ppbv

RT: 12.74 min Scan# 3095

Delta R.T. 0.01 min

Lab File: VL035453.D

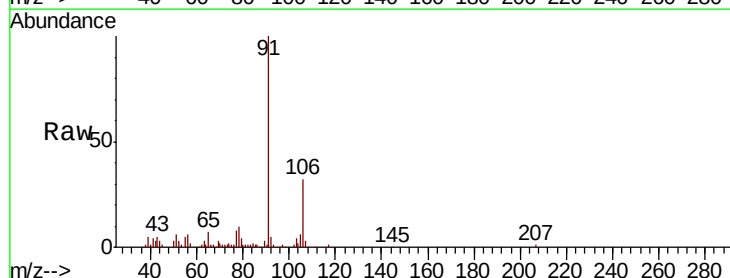
Acq: 18 Aug 2020 22:26

Tgt Ion: 91 Resp: 142649

Ion Ratio Lower Upper

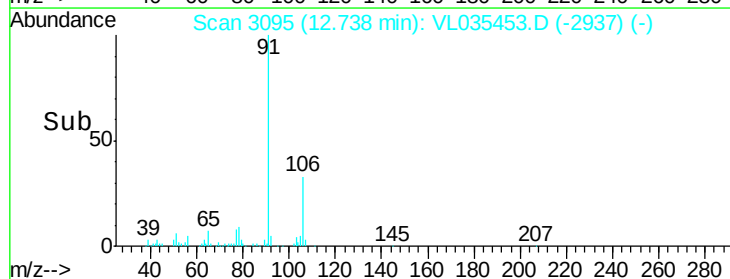
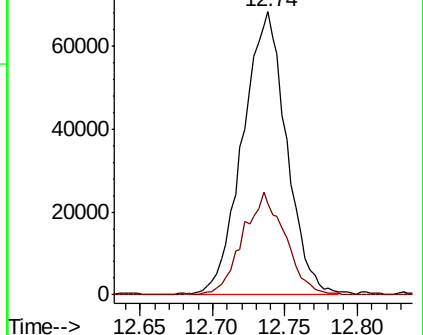
91 100

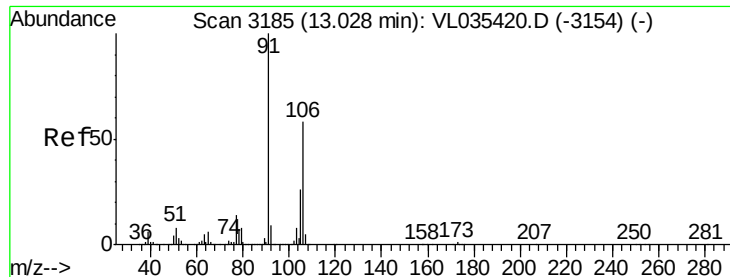
106 32.0 24.1 36.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

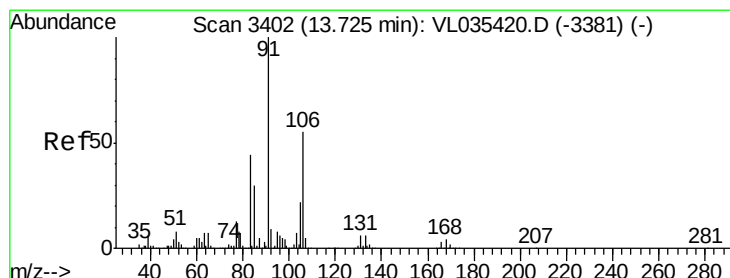
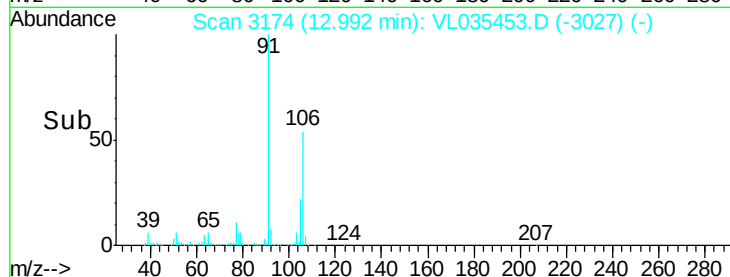
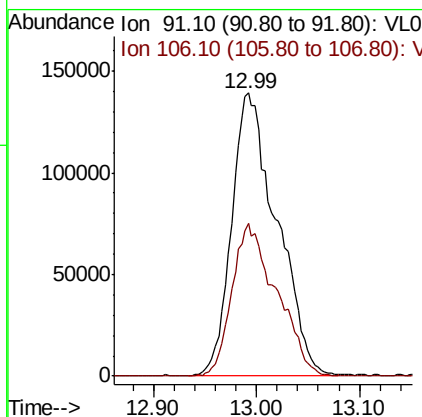
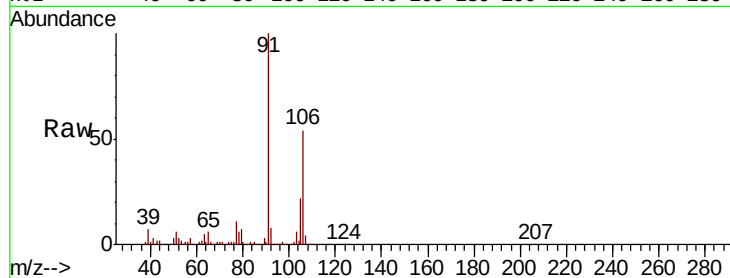




#59
m/p-Xylene
Concen: 0.802 ppbv
RT: 12.99 min Scan# 3174
Delta R.T. -0.03 min
Lab File: VL035453.D
Acq: 18 Aug 2020 22:26

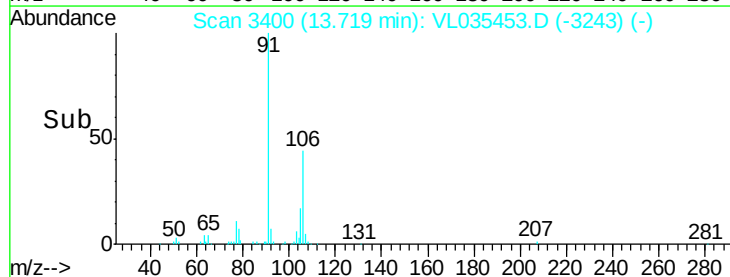
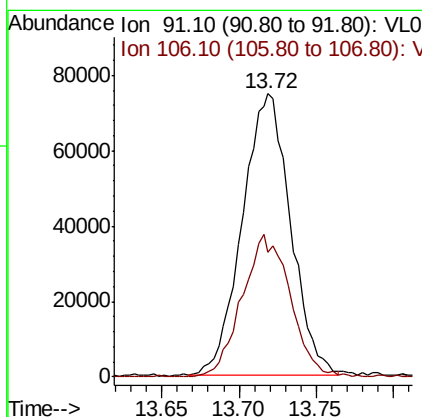
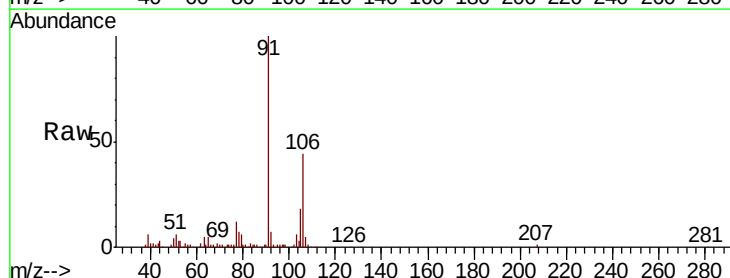
Instrument :
MSVOA_L
ClientSampleId :

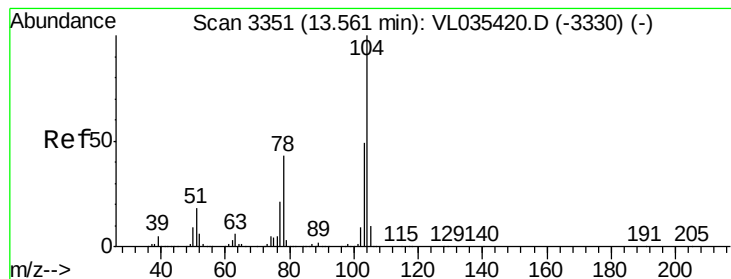
Tot Ion: 91 Resp: 421519
Ion Ratio Lower Upper
91 100
106 53.4 34.0 51.0#



#60
o-Xylene
Concen: 0.317 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. 0.00 min
Lab File: VL035453.D
Acq: 18 Aug 2020 22:26

Tgt Ion: 91 Resp: 161926
Ion Ratio Lower Upper
91 100
106 50.4 21.8 65.3





#61

Stvrene

Concen: 0.074 ppbv

RT: 13.55 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VL035453.D

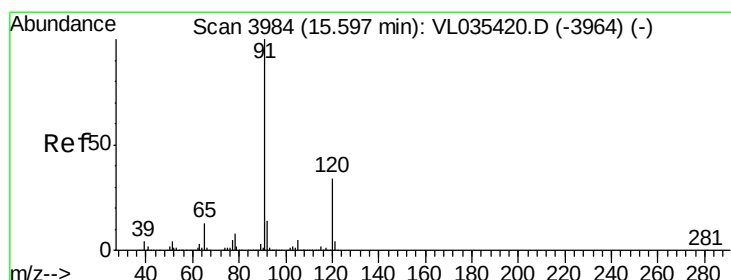
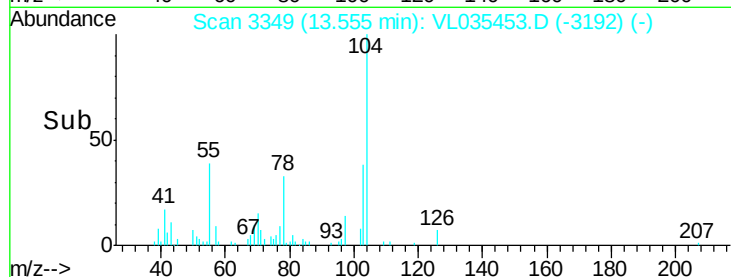
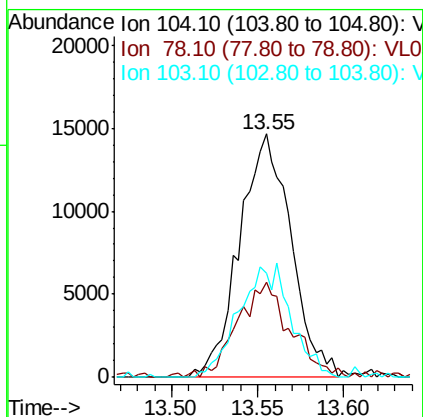
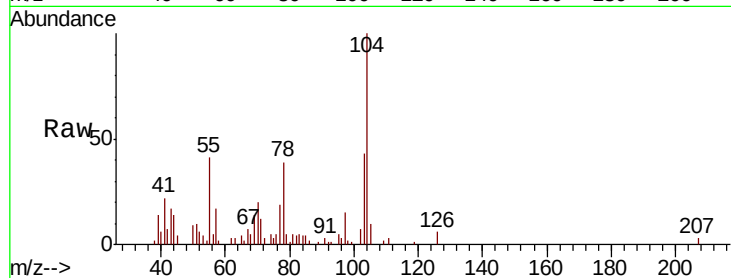
Acq: 18 Aug 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	104	Resp:	30462
Ion	Ratio	Lower	Upper
104	100		
78	41.6	45.4	68.2#
103	46.6	37.8	56.8



#64

n-propylbenzene

Concen: 0.044 ppbv

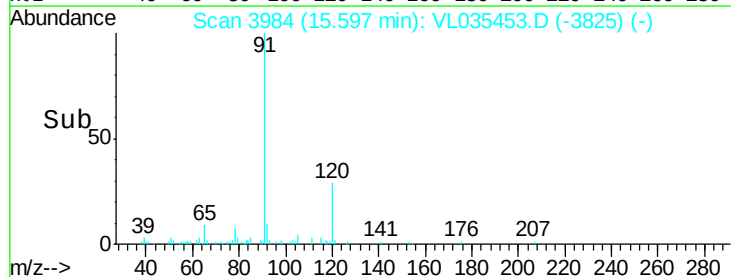
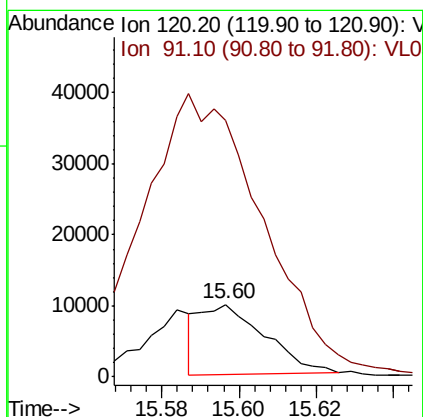
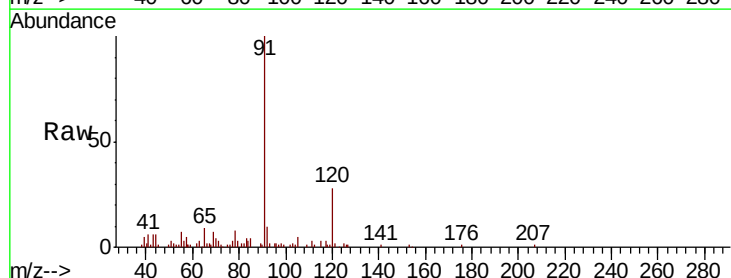
RT: 15.60 min Scan# 3984

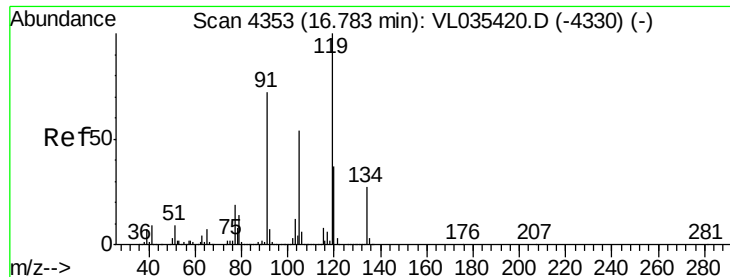
Delta R.T. 0.01 min

Lab File: VL035453.D

Acq: 18 Aug 2020 22:26

Tgt Ion:	120	Resp:	11421
Ion	Ratio	Lower	Upper
120	100		
91	0.0	385.5	578.3#





#65

tert-Butylbenzene

Concen: 0.066 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. 0.02 min

Lab File: VL035453.D

Acq: 18 Aug 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

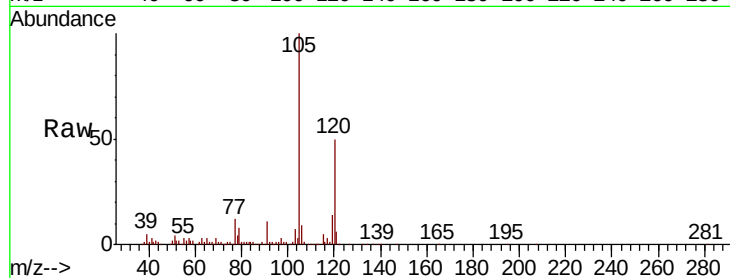
Tot Ion:119 Resp: 53386

Ion Ratio Lower Upper

119 100

91 83.4 72.0 108.0

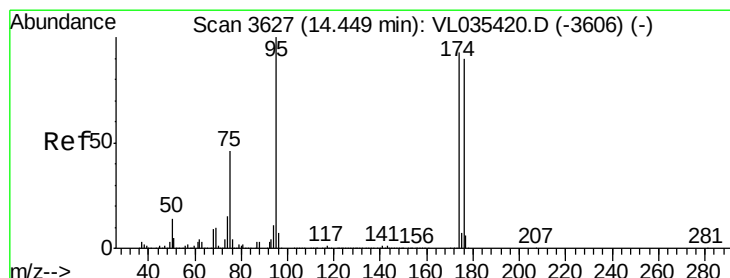
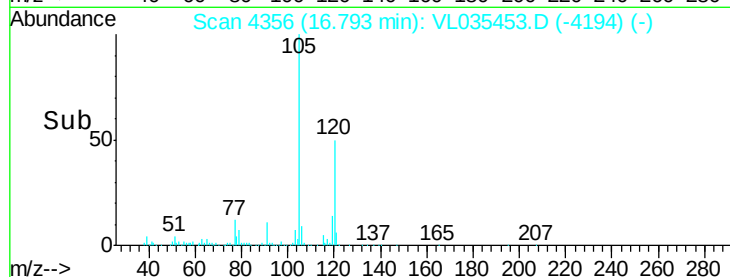
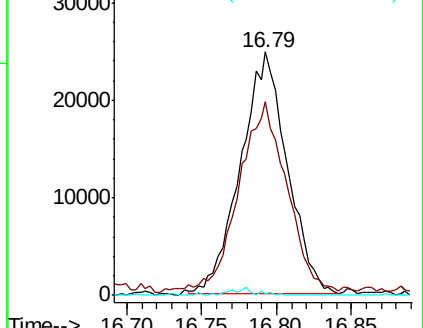
134 1.6 15.7 23.5#



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.367 ppbv

RT: 14.45 min Scan# 3626

Delta R.T. 0.01 min

Lab File: VL035453.D

Acq: 18 Aug 2020 22:26

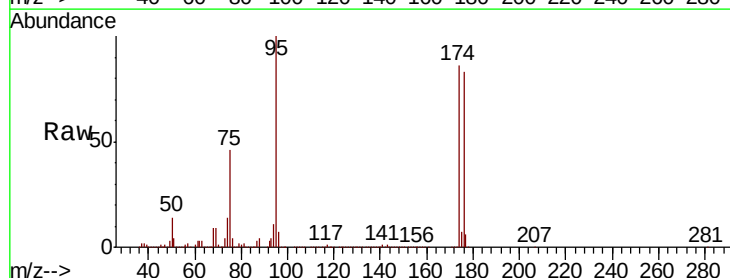
Tgt Ion: 95 Resp: 3739227

Ion Ratio Lower Upper

95 100

174 87.3 44.0 66.0#

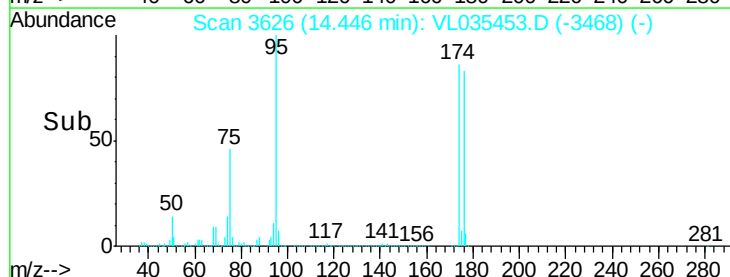
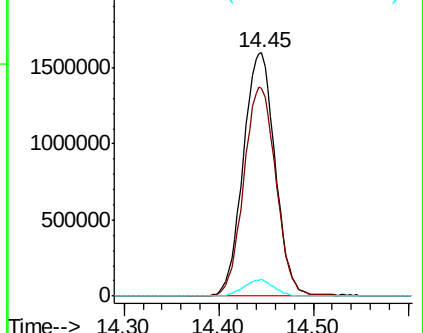
175 6.4 3.2 4.8#

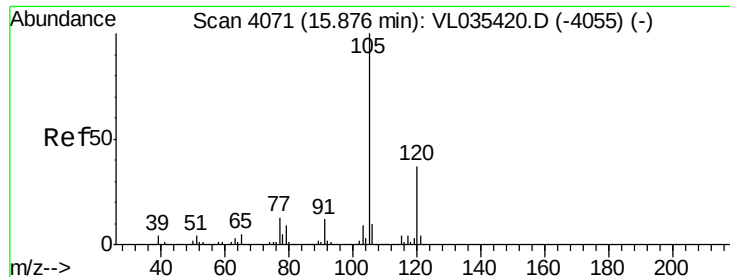


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#72

4-Ethyltoluene

Concen: 0.176 ppbv

RT: 15.87 min Scan# 4068

Delta R.T. 0.00 min

Lab File: VL035453.D

Acq: 18 Aug 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:105 Resp: 118018

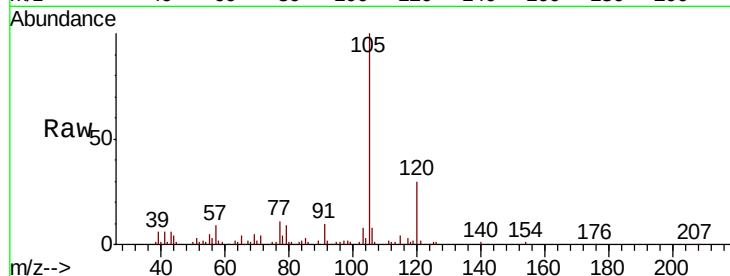
Ion Ratio Lower Upper

105 100

120 33.8 22.7 34.1

91 11.6 10.8 16.2

77 11.8 11.9 17.9#

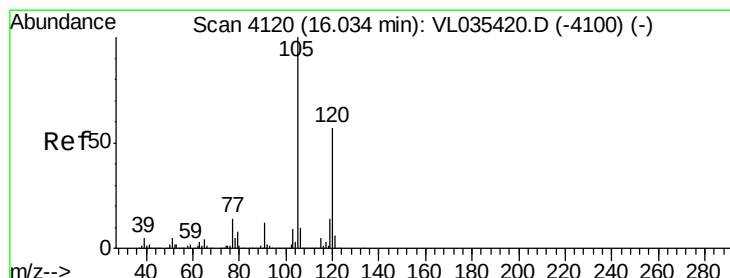
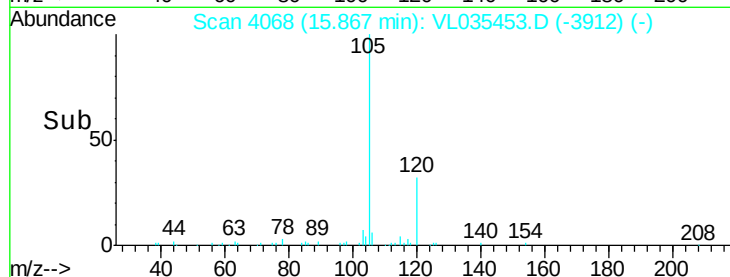
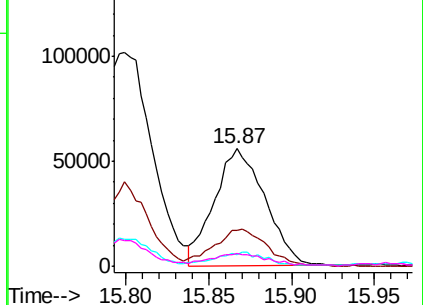


Abundance Ion 105.10 (104.80 to 105.80): V

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



#73

1,3,5-Trimethylbenzene

Concen: 0.186 ppbv

RT: 16.03 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VL035453.D

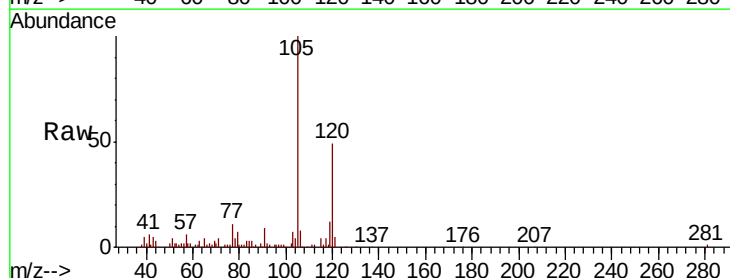
Acq: 18 Aug 2020 22:26

Tgt Ion:105 Resp: 116339

Ion Ratio Lower Upper

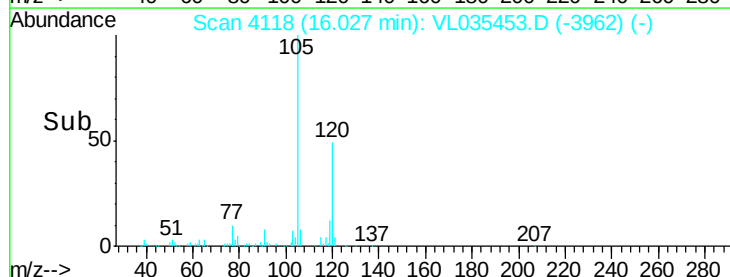
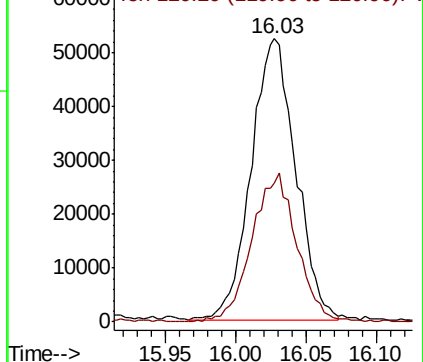
105 100

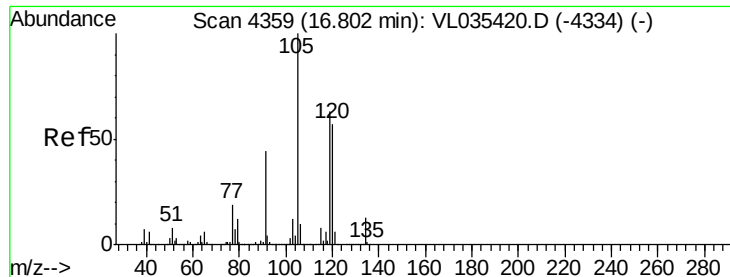
120 49.3 35.6 53.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 0.625 ppbv

RT: 16.79 min Scan# 4355

Delta R.T. -0.00 min

Lab File: VL035453.D

Acq: 18 Aug 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:105 Resp: 423958

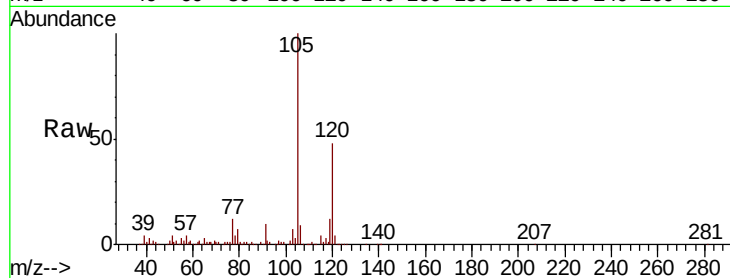
Ion Ratio Lower Upper

105 100

120 48.3 37.8 56.8

91 9.4 40.0 60.0#

77 12.2 18.8 28.2#

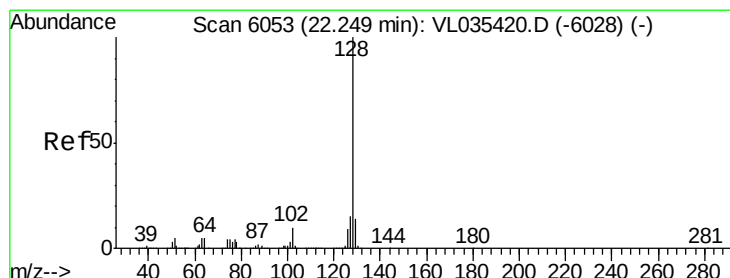
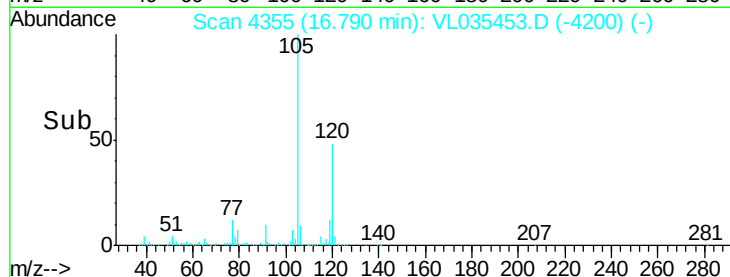
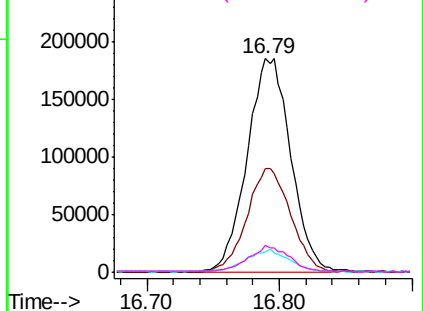


Abundance Ion 105.10 (104.80 to 105.80): V

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



#79

Naphthalene

Concen: 0.059 ppbv

RT: 22.24 min Scan# 6050

Delta R.T. 0.00 min

Lab File: VL035453.D

Acq: 18 Aug 2020 22:26

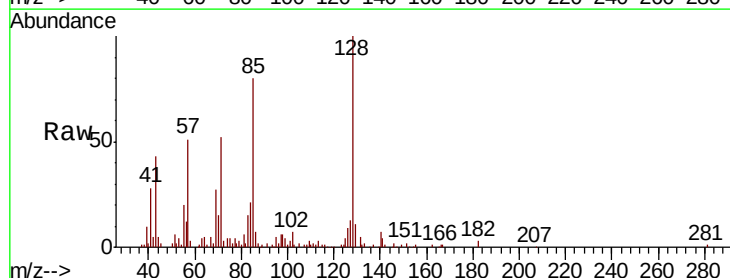
Tgt Ion:128 Resp: 56574

Ion Ratio Lower Upper

128 100

127 12.6 11.4 17.0

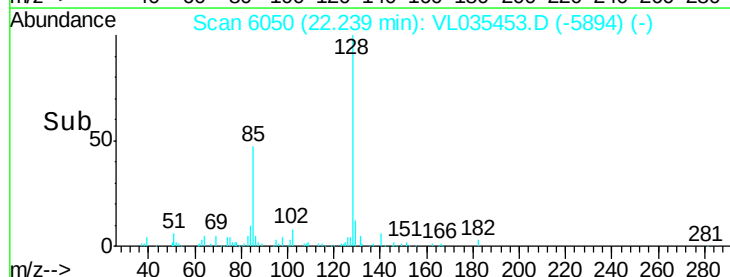
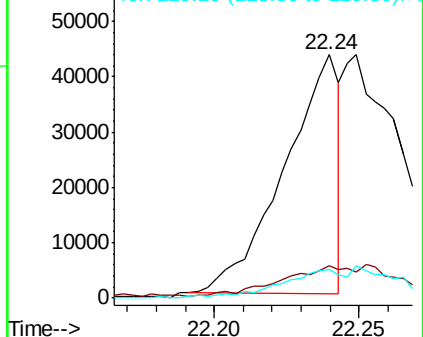
129 11.2 9.5 14.3

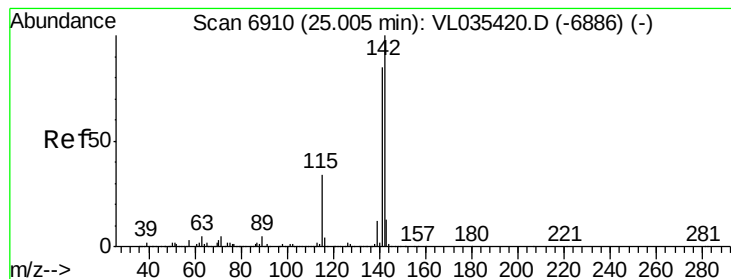


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V





#80
 Naphthalene, 2-methyl-
 Concen: 0.095 ppbv
 RT: 25.00 min Scan# 6910
 Delta R.T. 0.01 min
 Lab File: VL035453.D
 Acq: 18 Aug 2020 22:26

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:	142	Resp:	37373
Ion	Ratio	Lower	Upper
142	100		
141	83.3	67.1	100.7
115	40.9	36.1	54.1

