

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081820\
 Data File : VL035455.D
 Acq On : 18 Aug 2020 23:43
 Operator : SY/AP
 Sample : L3725-01 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 19 02:46:29 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	1106357	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	5189679	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	5159916	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3764917	10.42	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	15142	0.074	ppbv 93
3) Chlorodifluoromethane	2.99	51	197498	1.424	ppbv 93
4) Chloromethane	3.14	50	3958	0.055	ppbv 96
9) Propene	3.21	41	28016	0.502	ppbv 92
10) Heptane	8.14	43	11641	0.080	ppbv # 76
11) Trichlorofluoromethane	3.95	101	18537	0.058	ppbv 93
13) Ethanol	3.61	45	38696	1.894	ppbv 93
15) Acetone	3.86	43	397514	3.122	ppbv # 79
16) 1,3-Butadiene	3.31	39	7878	0.153	ppbv # 23
17) tert-Butyl alcohol	4.32	59	39795	0.242	ppbv 99
19) Isopropyl Alcohol	3.99	45	19597	0.223	ppbv # 97
20) Methylene Chloride	4.35	84	48974	0.477	ppbv # 64
23) Vinyl Acetate	5.08	43	12957	0.071	ppbv # 63
25) Ethyl Acetate	5.70	43	23221	0.094	ppbv # 83
26) Hexane	5.70	57	38003	0.272	ppbv # 32
27) Carbon Disulfide	4.56	76	15373	0.076	ppbv # 85
29) Chloroform	5.76	83	715474	2.546	ppbv 98
30) Cyclohexane	7.14	84	5249	0.034	ppbv # 1
34) 2-Butanone	5.27	43	101730	0.587	ppbv # 68
36) Benzene	6.90	78	30343	0.080	ppbv # 83
39) 1,2-Dichloropropane	7.19	63	897461	7.149	ppbv # 23
44) 2,2,4-Trimethylpentane	7.88	57	17327	0.035	ppbv # 89
50) 4-Methyl-2-Pentanone	8.78	43	24444	0.098	ppbv # 39
52) Tetrachloroethene	11.24	164	45615	0.196	ppbv # 72
53) Toluene	9.83	91	275929	0.562	ppbv 99
58) Ethyl Benzene	12.73	91	86377	0.139	ppbv 94
59) m/p-Xylene	12.99	91	220207	0.418	ppbv # 82
60) o-Xylene	13.72	91	69597	0.136	ppbv # 32
62) Isopropylbenzene	14.70	105	99081	0.118	ppbv 95
64) n-propylbenzene	15.59	120	41046	0.159	ppbv # 35
65) tert-Butylbenzene	16.79	119	63603	0.078	ppbv # 93
66) Benzyl Chloride	17.24	91	9395	0.048	ppbv # 72
69) p-Isopropyltoluene	17.68	119	220753	0.232	ppbv # 90
71) 2-Chlorotoluene	15.59	91	266803	0.438	ppbv # 46
72) 4-Ethyltoluene	15.87	105	336731	0.501	ppbv # 92
73) 1,3,5-Trimethylbenzene	16.02	105	222079	0.355	ppbv 89
74) 1,2,4-Trimethylbenzene	16.79	105	505919	0.745	ppbv # 69
79) Naphthalene	22.25	128	94623	0.099	ppbv 96
80) Naphthalene,2-methyl-	25.00	142	26026	0.066	ppbv 95

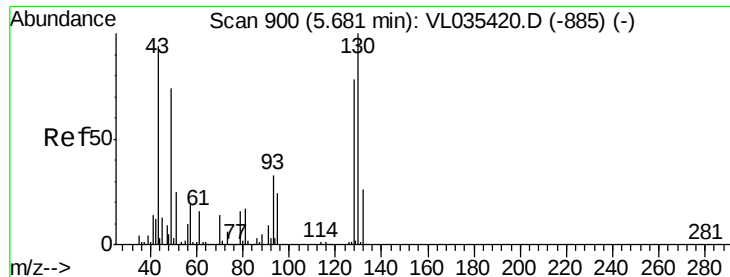
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081820\
Data File : VL035455.D
Acq On : 18 Aug 2020 23:43
Operator : SY/AP
Sample : L3725-01 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Aug 19 02:46:29 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)

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.00 min

Lab File: VL035455.D

Acq: 18 Aug 2020 23:43

Instrument :

MSVOA_L

ClientSampleId :

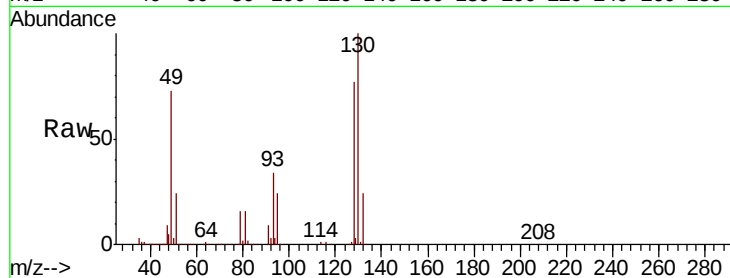
Tot Ion: 49 Resp: 1106357

Ion Ratio Lower Upper

49 100

128 106.8 20.9 62.7#

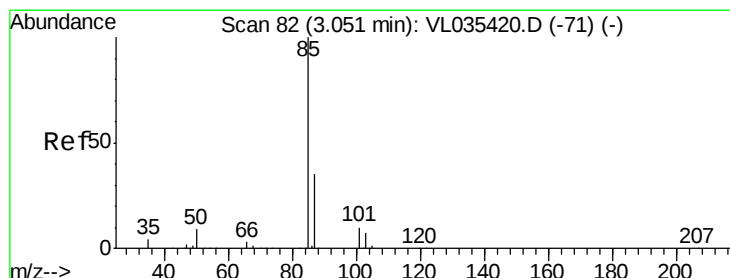
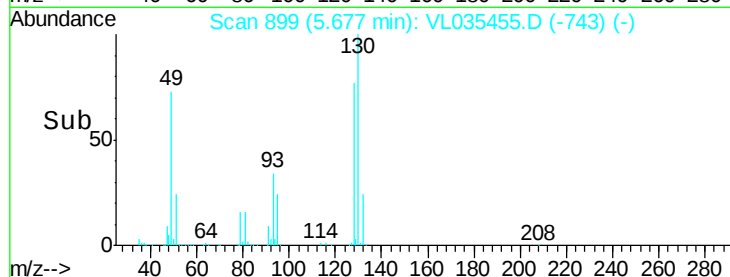
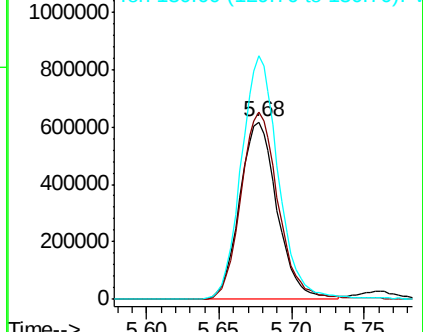
130 137.3 26.7 80.1#



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



#2

Dichlorodifluoromethane

Concen: 0.074 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL035455.D

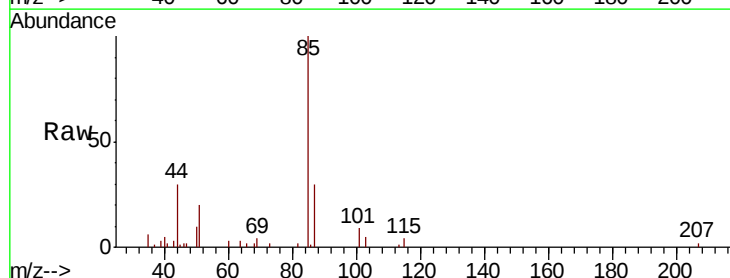
Acq: 18 Aug 2020 23:43

Tgt Ion: 85 Resp: 15142

Ion Ratio Lower Upper

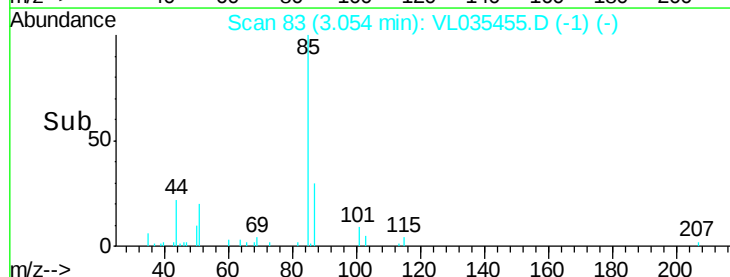
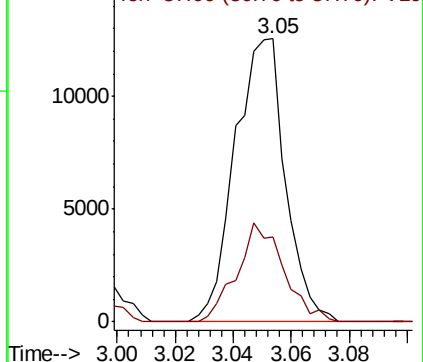
85 100

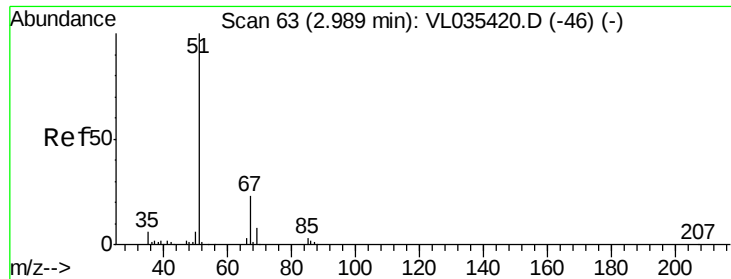
87 30.0 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

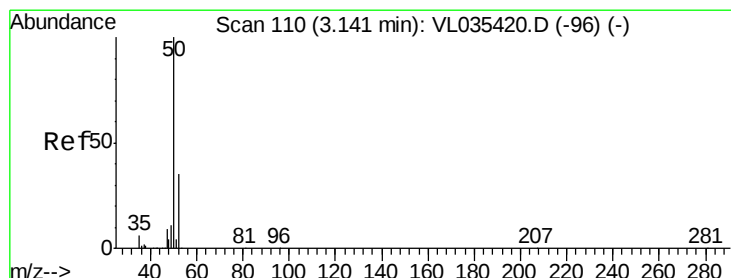
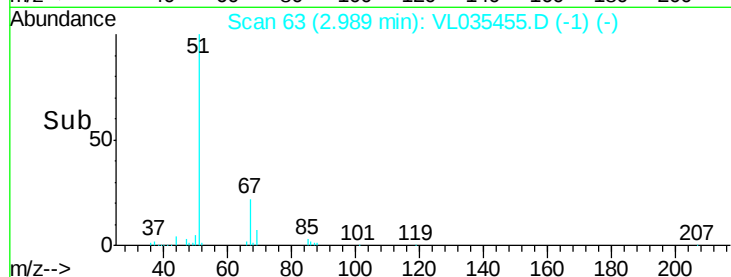
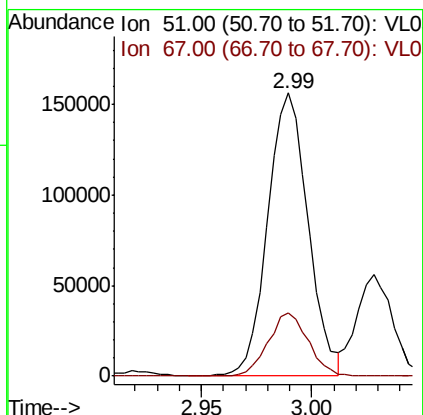
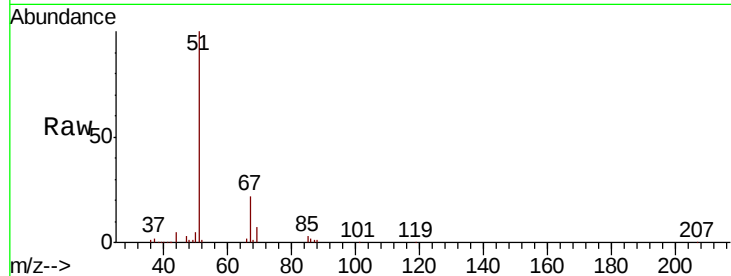




#3
 Chlorodifluoromethane
 Concen: 1.424 ppbv
 RT: 2.99 min Scan# 63
 Delta R.T. 0.01 min
 Lab File: VL035455.D
 Acq: 18 Aug 2020 23:43

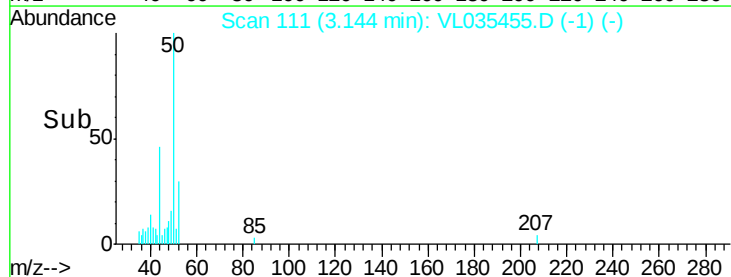
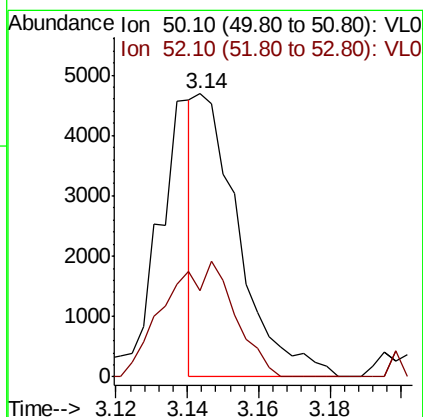
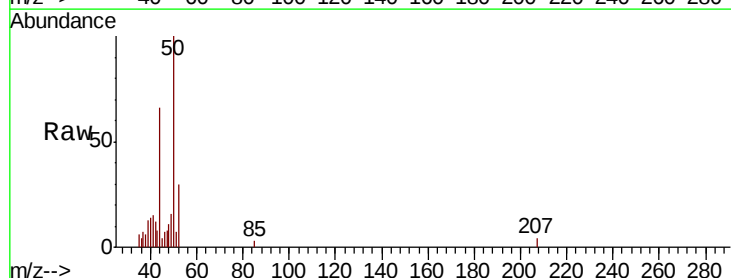
Instrument :
 MSVOA_L
 ClientSampleId :

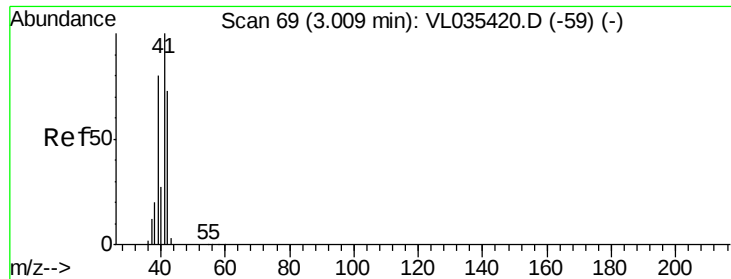
Tot Ion: 51 Resp: 197498
 Ion Ratio Lower Upper
 51 100
 67 22.1 15.0 22.6



#4
 Chloromethane
 Concen: 0.055 ppbv
 RT: 3.14 min Scan# 111
 Delta R.T. 0.01 min
 Lab File: VL035455.D
 Acq: 18 Aug 2020 23:43

Tgt Ion: 50 Resp: 3958
 Ion Ratio Lower Upper
 50 100
 52 30.4 25.9 38.9





#9

Propene

Concen: 0.502 ppbv

RT: 3.21 min Scan# 131

Delta R.T. 0.20 min

Lab File: VL035455.D

Acq: 18 Aug 2020 23:43

Instrument :

MSVOA_L

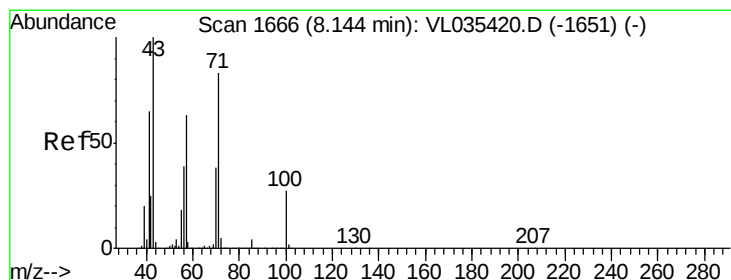
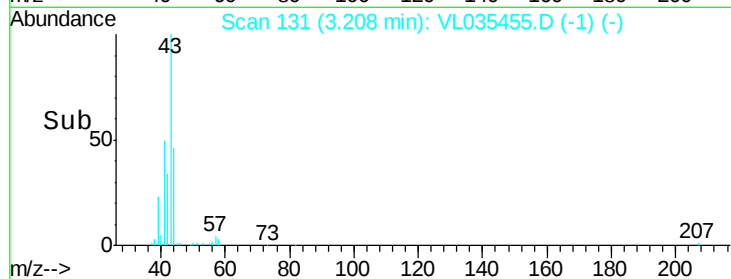
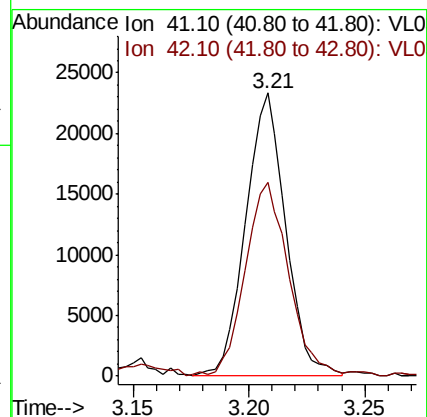
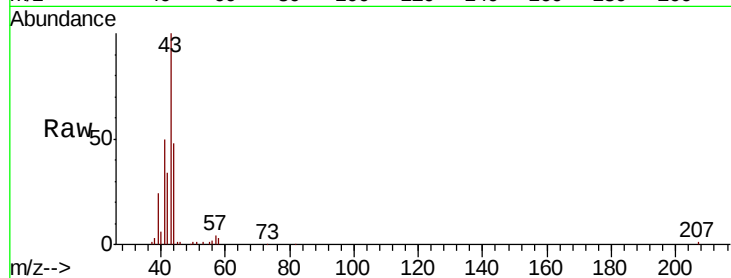
ClientSampleId :

Tot Ion: 41 Resp: 28016

Ion Ratio Lower Upper

41 100

42 75.9 55.5 83.3



#10

Heptane

Concen: 0.080 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VL035455.D

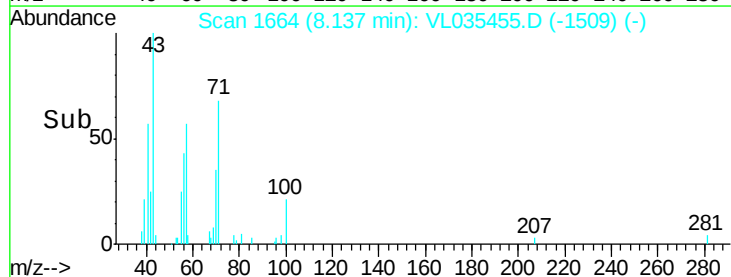
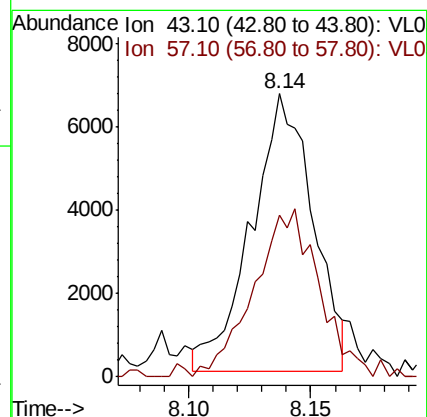
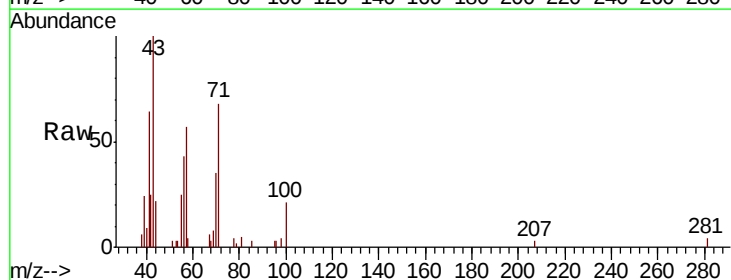
Acq: 18 Aug 2020 23:43

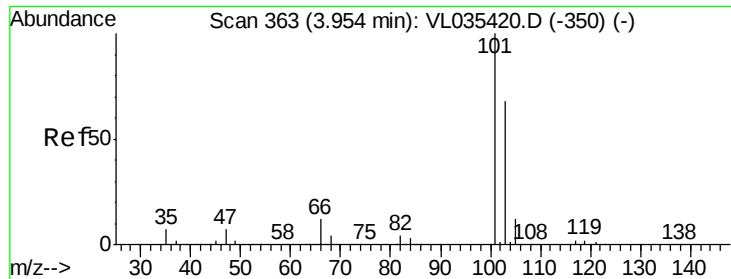
Tgt Ion: 43 Resp: 11641

Ion Ratio Lower Upper

43 100

57 66.1 39.8 59.6#

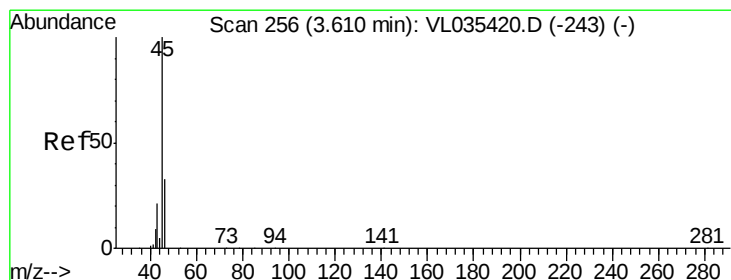
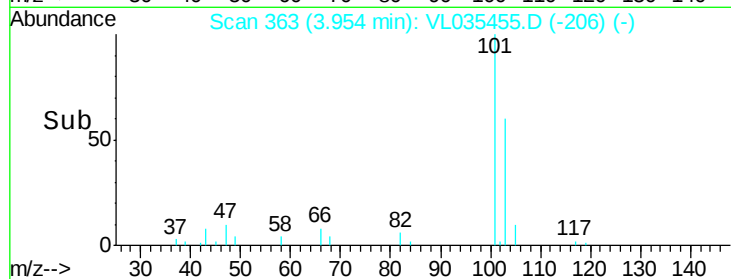
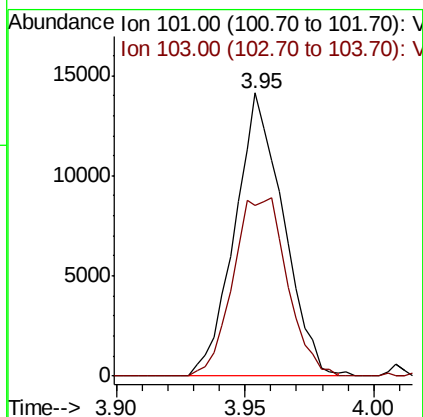
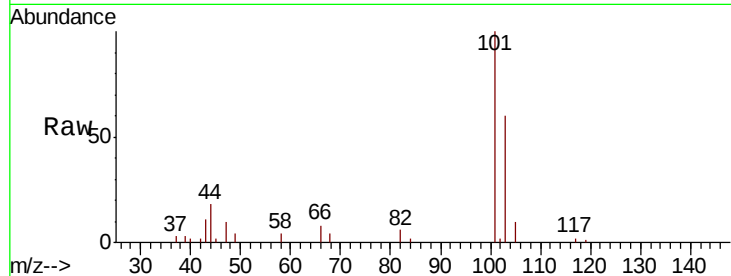




#11
 Trichlorofluoromethane
 Concen: 0.058 ppbv
 RT: 3.95 min Scan# 363
 Delta R.T. 0.01 min
 Lab File: VL035455.D
 Acq: 18 Aug 2020 23:43

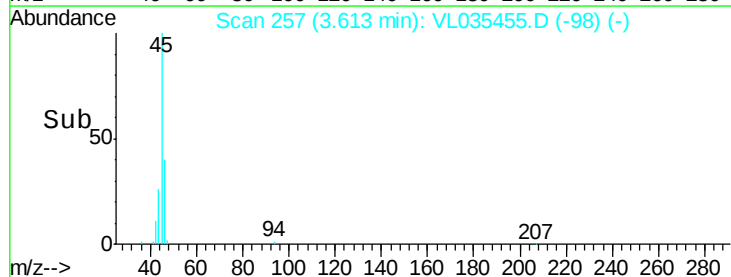
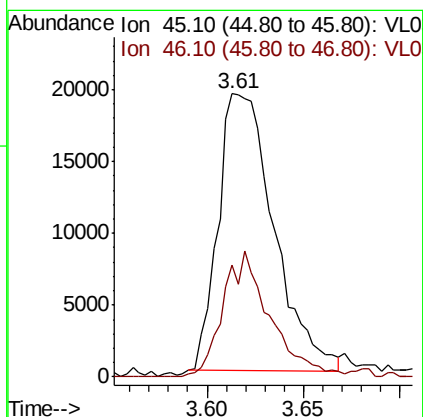
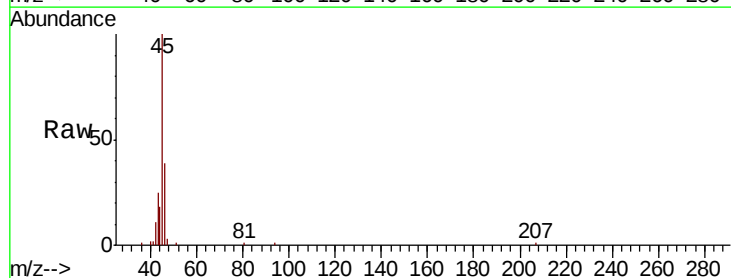
Instrument :
 MSVOA_L
 ClientSampleId :

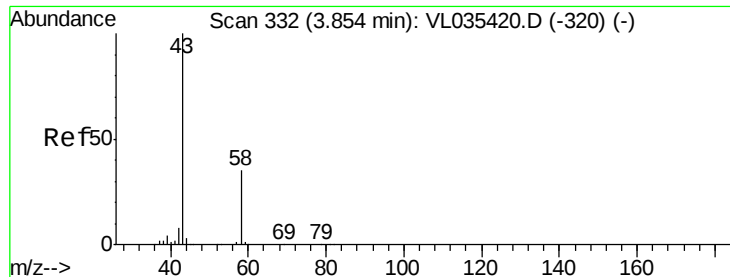
Tot Ion:101 Resp: 18537
 Ion Ratio Lower Upper
 101 100
 103 60.2 52.6 78.8



#13
 Ethanol
 Concen: 1.894 ppbv
 RT: 3.61 min Scan# 257
 Delta R.T. 0.01 min
 Lab File: VL035455.D
 Acq: 18 Aug 2020 23:43

Tgt Ion: 45 Resp: 38696
 Ion Ratio Lower Upper
 45 100
 46 39.2 14.2 56.6





#15

Acetone

Concen: 3.122 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.01 min

Lab File: VL035455.D

Acq: 18 Aug 2020 23:43

Instrument :

MSVOA_L

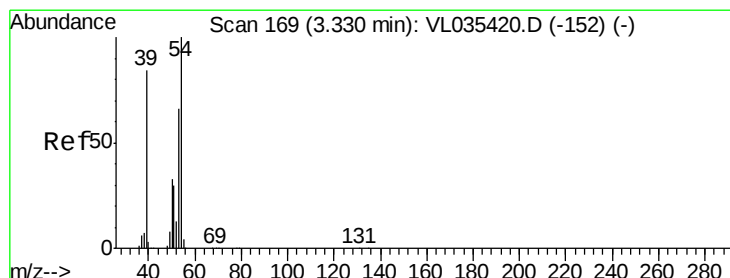
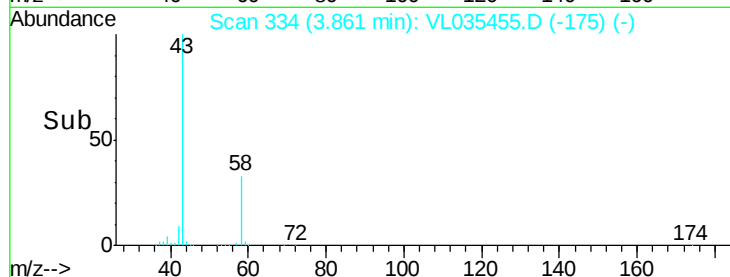
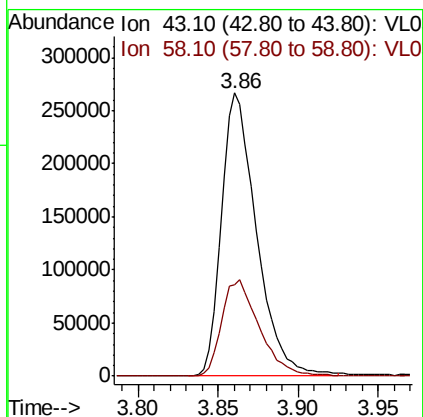
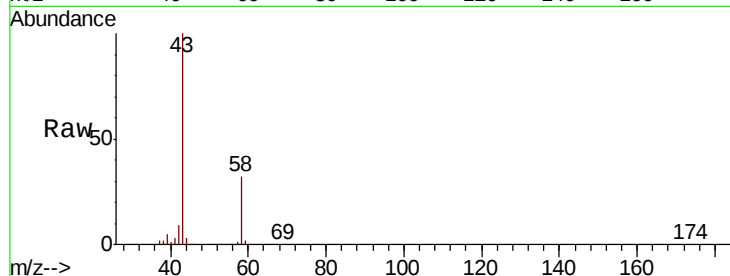
ClientSampleId :

Tot Ion: 43 Resp: 397514

Ion Ratio Lower Upper

43 100

58 37.0 21.0 31.6#



#16

1,3-Butadiene

Concen: 0.153 ppbv

RT: 3.31 min Scan# 162

Delta R.T. -0.02 min

Lab File: VL035455.D

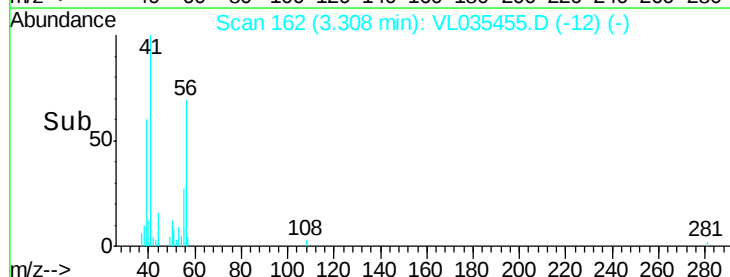
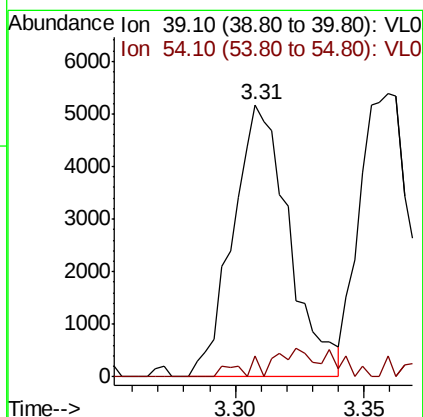
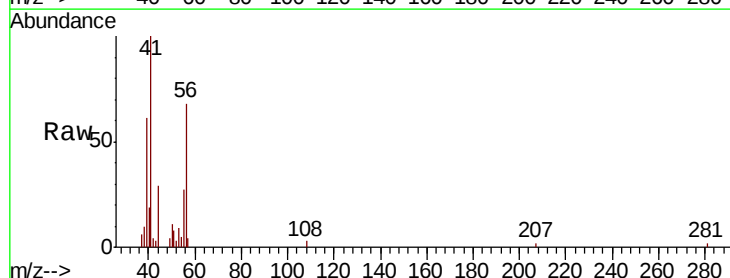
Acq: 18 Aug 2020 23:43

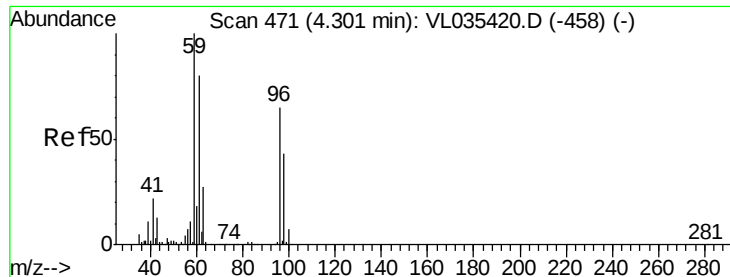
Tgt Ion: 39 Resp: 7878

Ion Ratio Lower Upper

39 100

54 12.1 64.4 96.6#



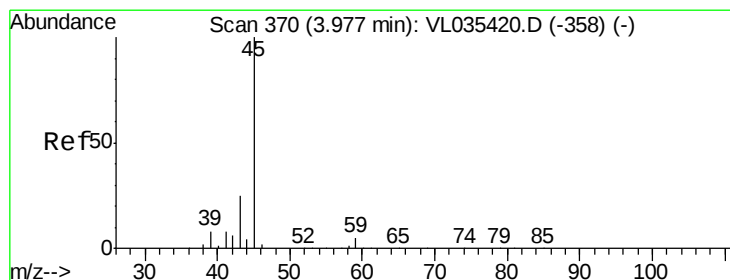
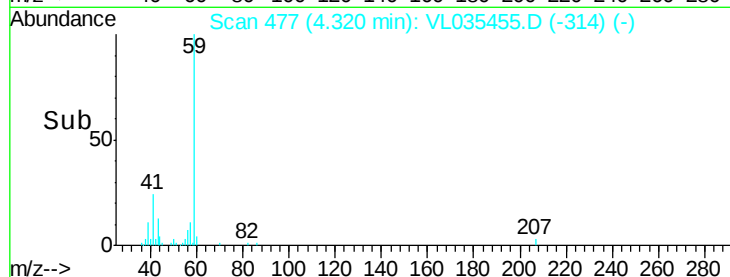
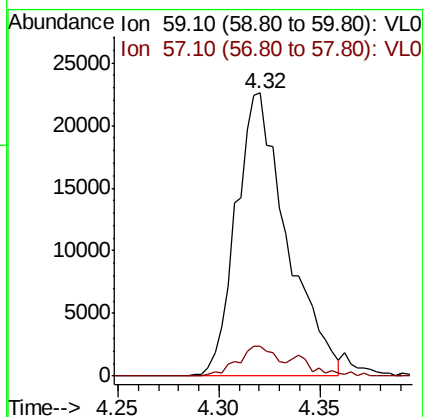
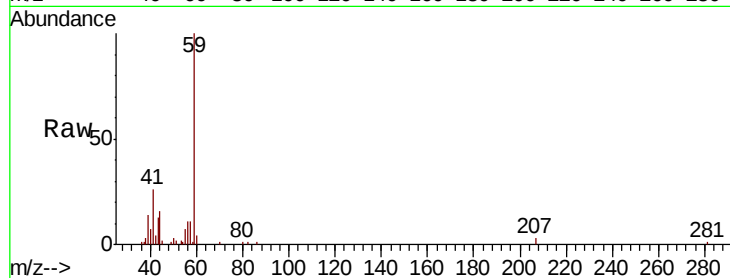


#17

tert-Butyl alcohol
Concen: 0.242 ppbv
RT: 4.32 min Scan# 477
Delta R.T. 0.03 min
Lab File: VL035455.D
Acq: 18 Aug 2020 23:43

Instrument :
MSVOA_L
ClientSampled :

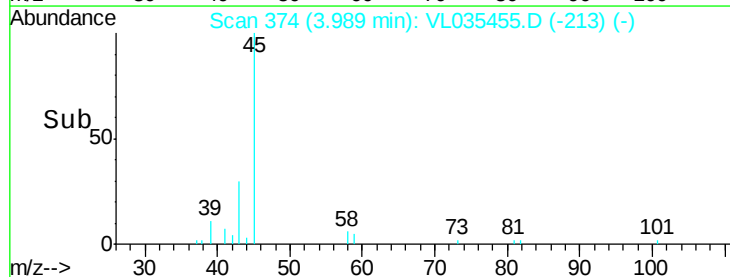
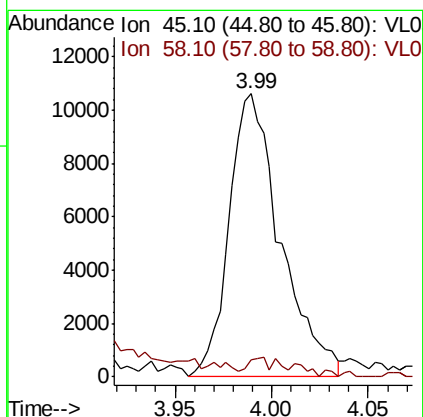
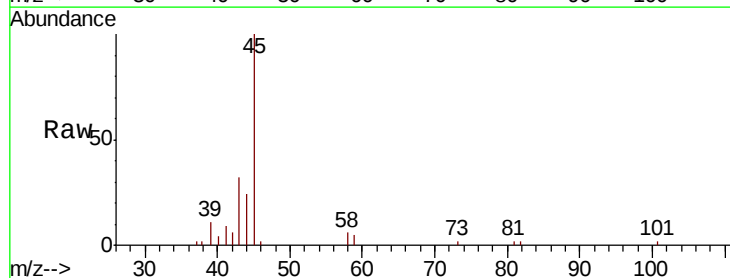
Tot Ion: 59 Resp: 39795
Ion Ratio Lower Upper
59 100
57 11.5 8.9 13.3

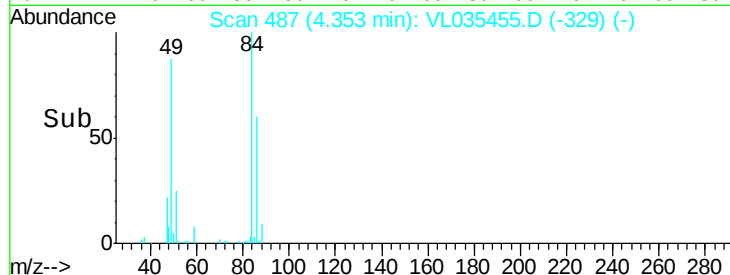
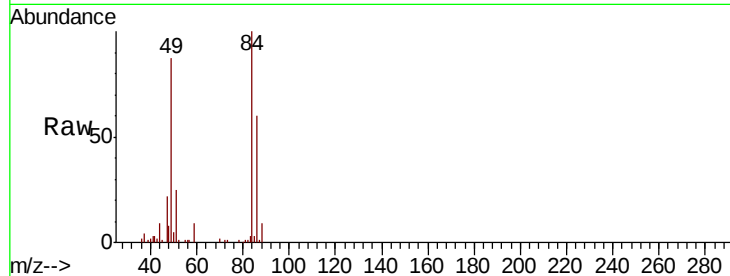
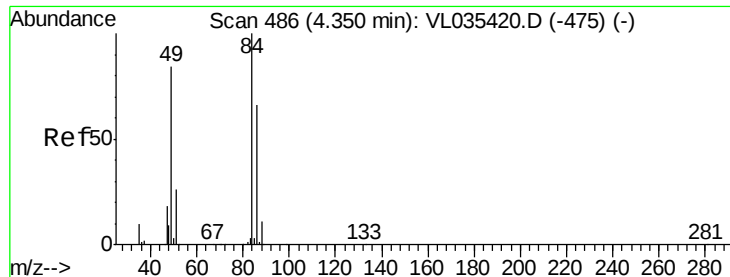


#19

Isopropyl Alcohol
Concen: 0.223 ppbv
RT: 3.99 min Scan# 374
Delta R.T. 0.02 min
Lab File: VL035455.D
Acq: 18 Aug 2020 23:43

Tgt Ion: 45 Resp: 19597
Ion Ratio Lower Upper
45 100
58 0.0 1.0 1.6#

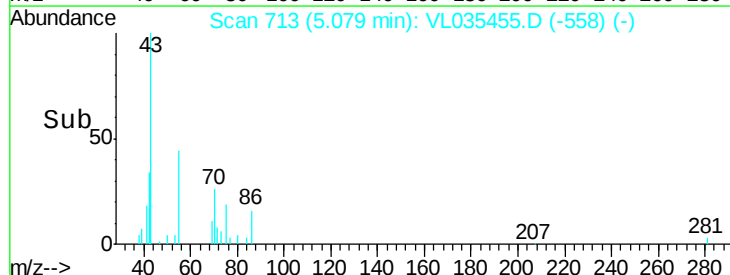
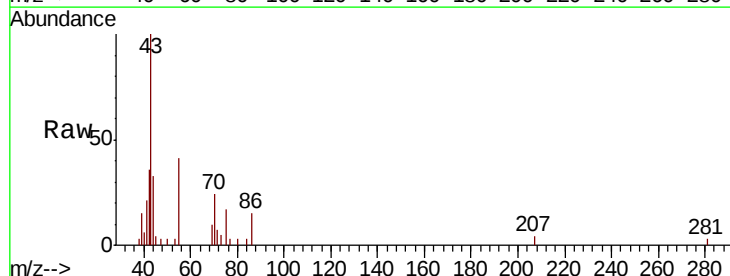
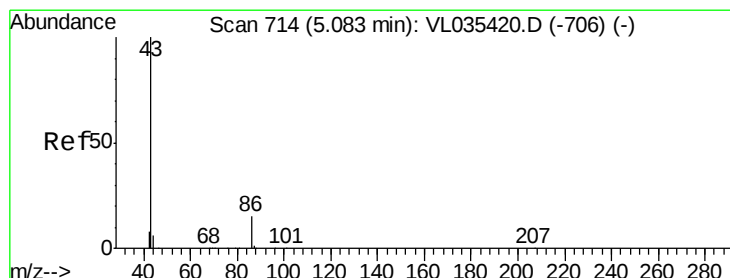
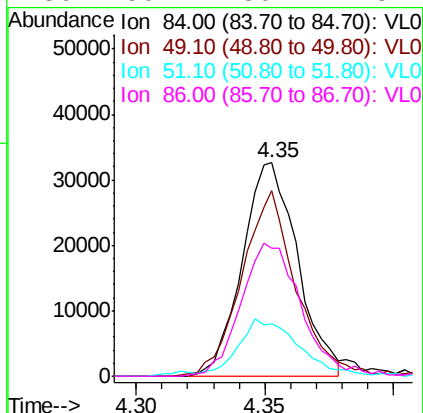




#20
Methylene Chloride
Concen: 0.477 ppbv
RT: 4.35 min Scan# 487
Delta R.T. 0.01 min
Lab File: VL035455.D
Acq: 18 Aug 2020 23:43

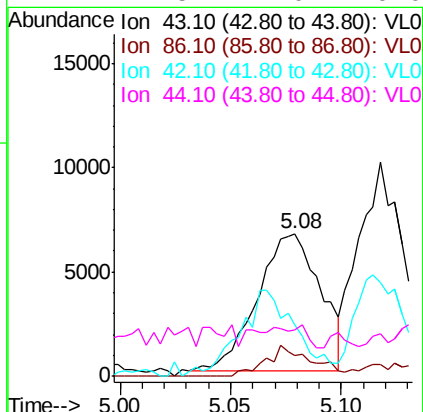
Instrument :
MSVOA_L
ClientSampled :

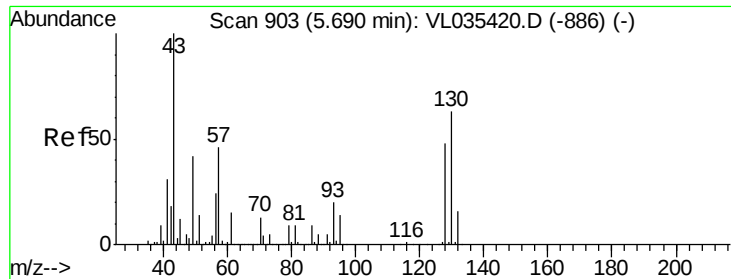
Tot Ion:	84	Resp:	48974
Ion	Ratio	Lower	Upper
84	100		
49	86.1	118.6	177.8#
51	23.3	36.4	54.6#
86	59.1	50.2	75.4



#23
Vinyl Acetate
Concen: 0.071 ppbv
RT: 5.08 min Scan# 713
Delta R.T. -0.00 min
Lab File: VL035455.D
Acq: 18 Aug 2020 23:43

Tgt Ion:	43	Resp:	12957
Ion	Ratio	Lower	Upper
43	100		
86	15.5	6.5	9.7#
42	34.6	8.3	12.5#
44	2.5	4.0	6.0#

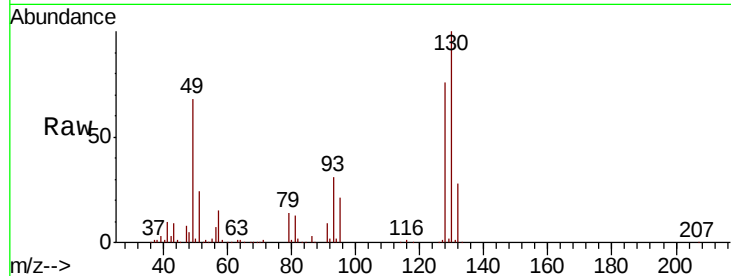




#25
Ethyl Acetate
Concen: 0.094 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.02 min
Lab File: VL035455.D
Acq: 18 Aug 2020 23:43

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	43	Resp:	23221
Ion	Ratio	Lower	Upper
43	100		
45	3.4	8.3	12.5#
61	1.6	7.6	11.4#
70	4.8	6.0	9.0#



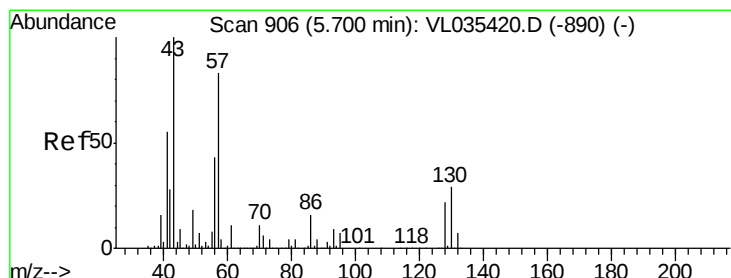
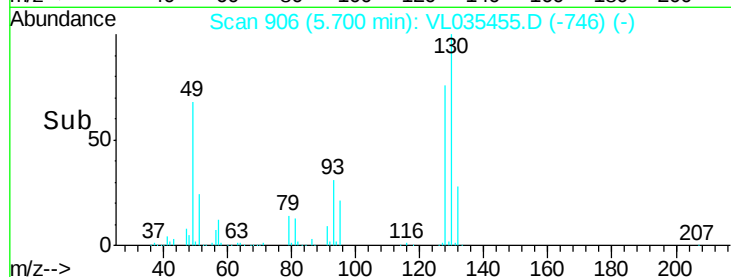
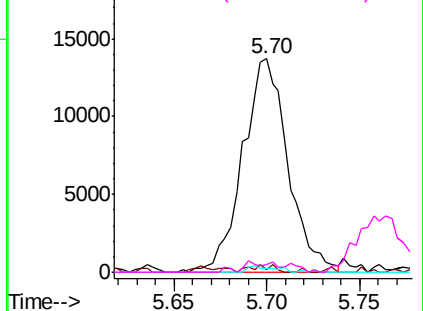
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

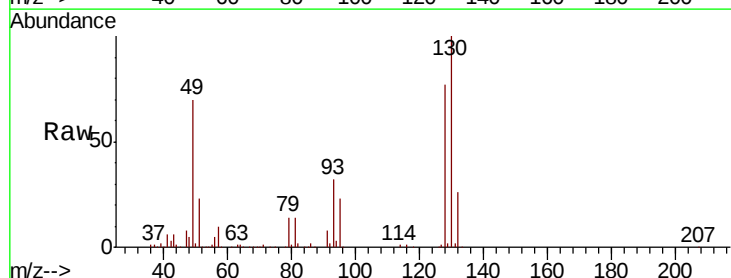
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 0.272 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.00 min
Lab File: VL035455.D
Acq: 18 Aug 2020 23:43

Tgt Ion:	57	Resp:	38003
Ion	Ratio	Lower	Upper
57	100		
41	67.1	75.5	113.3#
43	62.1	181.7	272.5#
56	52.8	42.4	63.6



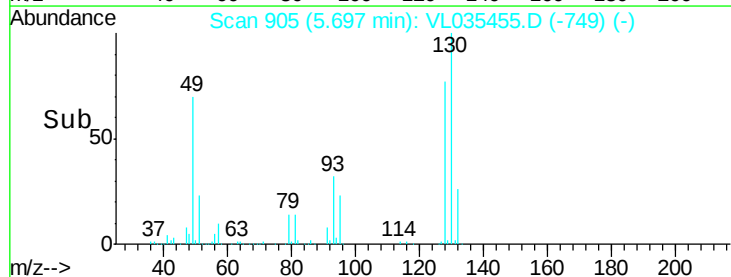
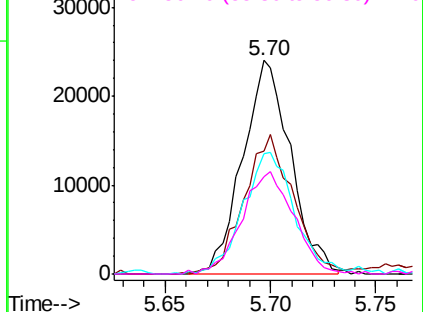
Abundance

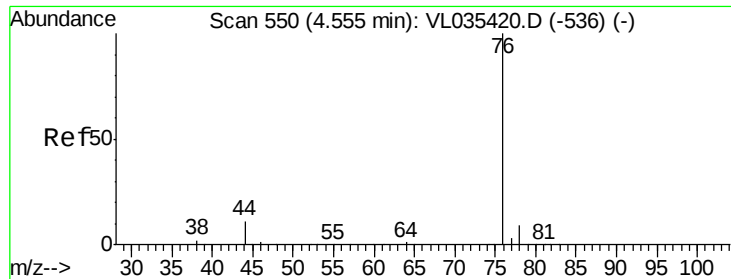
Ion 57.10 (56.80 to 57.80): VL0

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: 0.076 ppbv

RT: 4.56 min Scan# 552

Delta R.T. 0.01 min

Lab File: VL035455.D

Acq: 18 Aug 2020 23:43

Instrument :

MSVOA_L

ClientSampled :

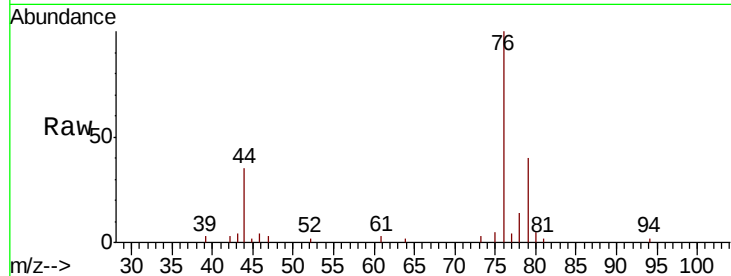
Tot Ion: 76 Resp: 15373

Ion Ratio Lower Upper

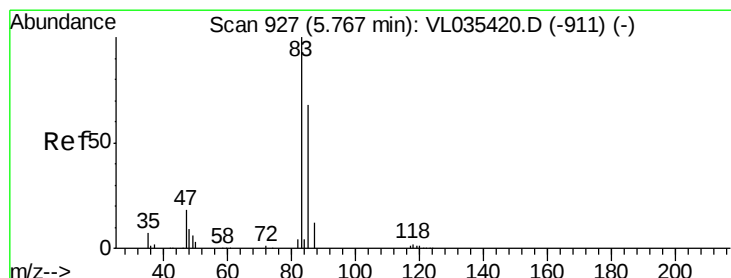
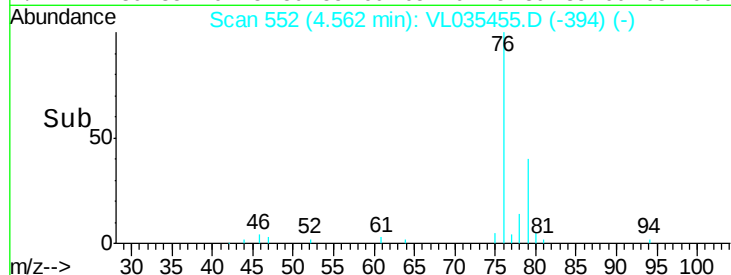
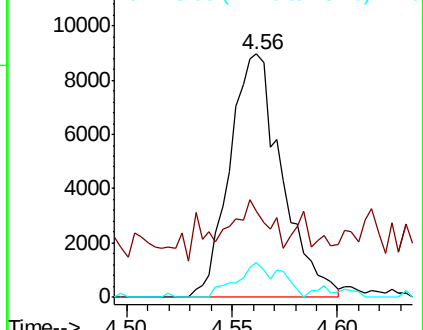
76 100

44 28.2 16.8 25.2#

78 14.5 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: 2.546 ppbv

RT: 5.76 min Scan# 925

Delta R.T. -0.00 min

Lab File: VL035455.D

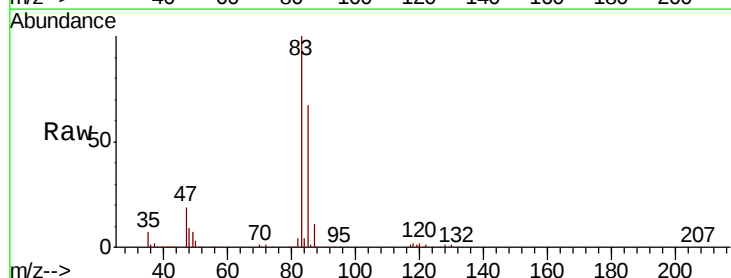
Acq: 18 Aug 2020 23:43

Tgt Ion: 83 Resp: 715474

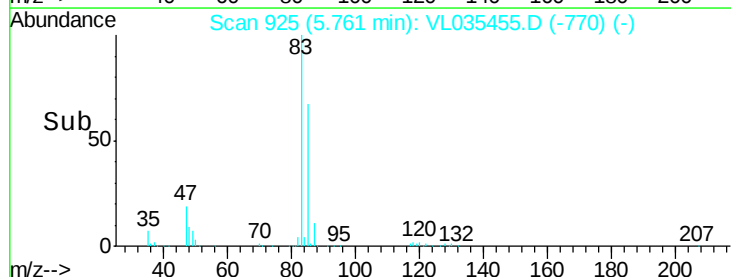
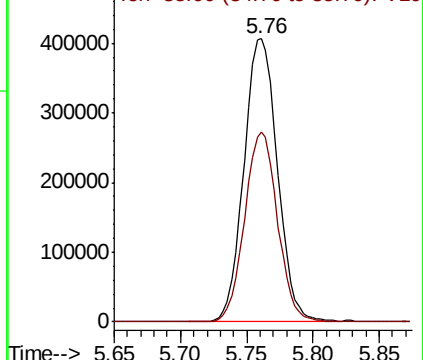
Ion Ratio Lower Upper

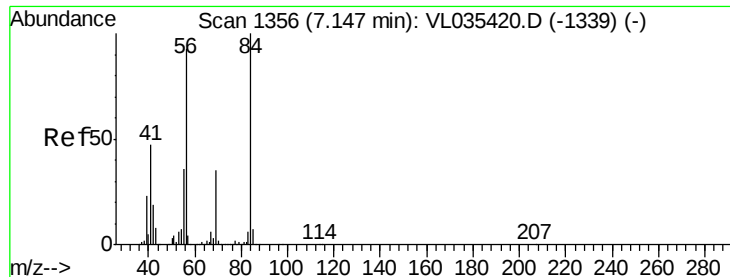
83 100

85 67.1 52.7 79.1



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0

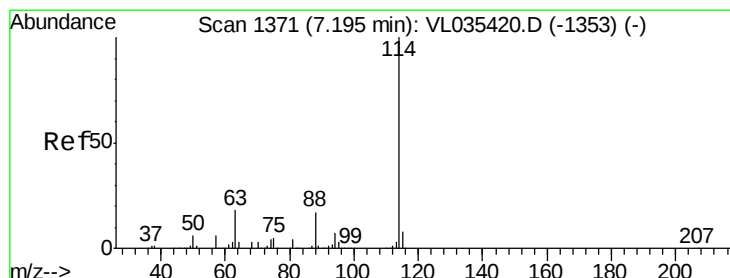
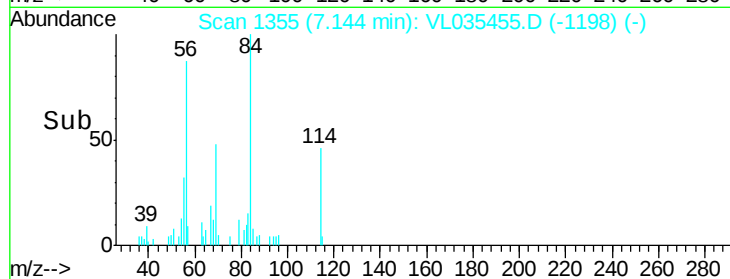
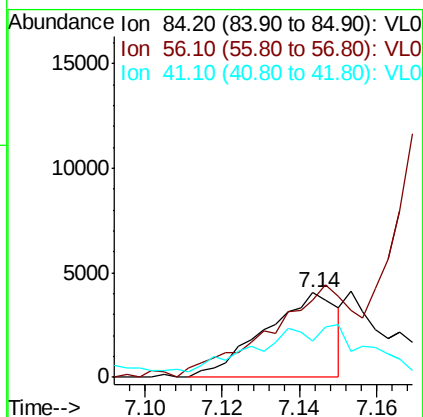
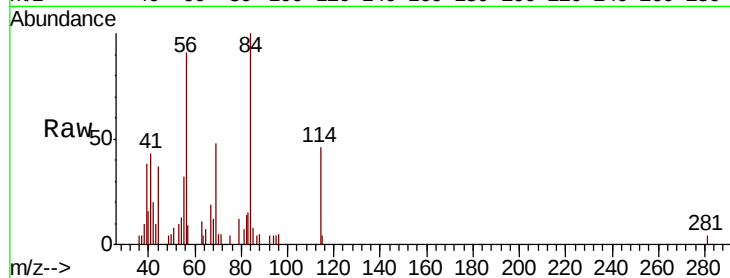




#30
Cyclohexane
Concen: 0.034 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. 0.01 min
Lab File: VL035455.D
Acq: 18 Aug 2020 23:43

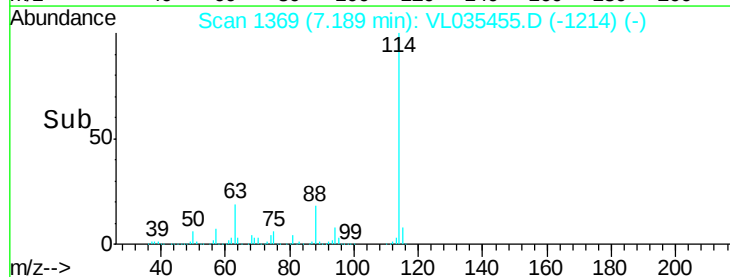
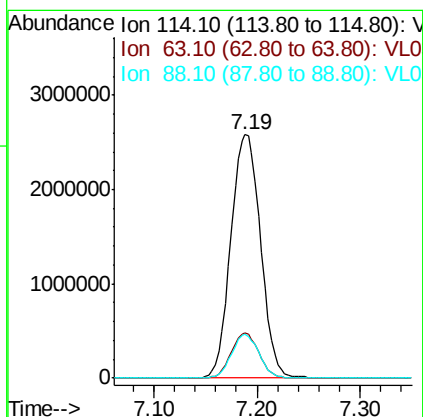
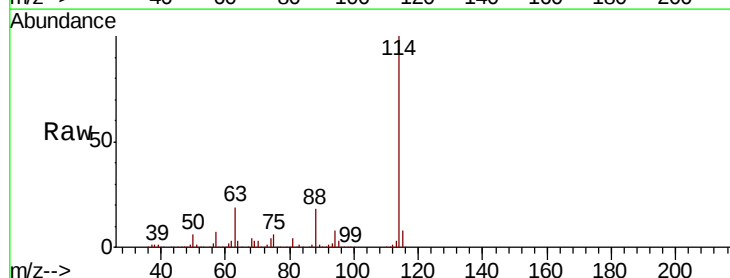
Instrument :
MSVOA_L
ClientSampleId :

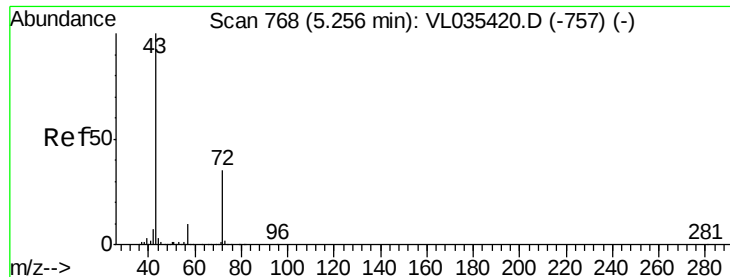
Tot Ion: 84 Resp: 5249
Ion Ratio Lower Upper
84 100
56 0.0 114.9 172.3#
41 0.0 72.3 108.5#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VL035455.D
Acq: 18 Aug 2020 23:43

Tgt Ion: 114 Resp: 5189679
Ion Ratio Lower Upper
114 100
63 17.4 23.1 34.7#
88 16.6 15.9 23.9

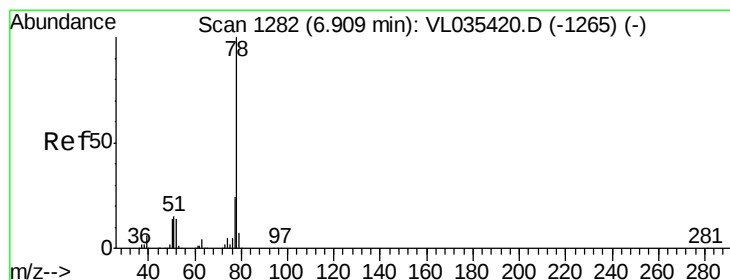
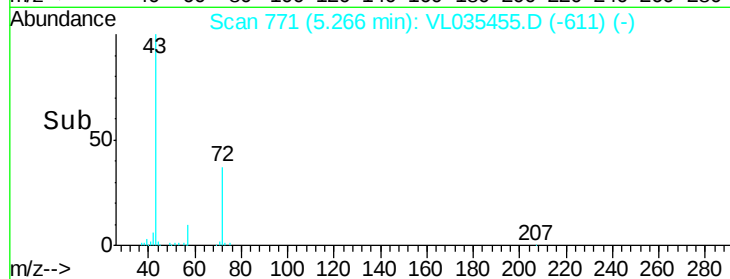
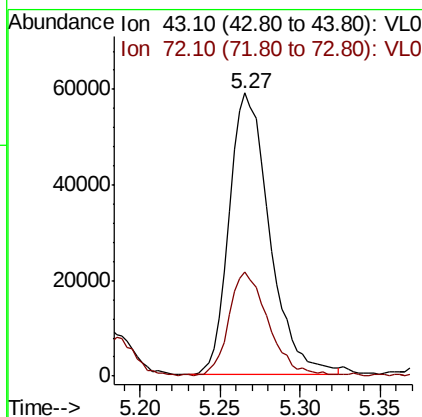
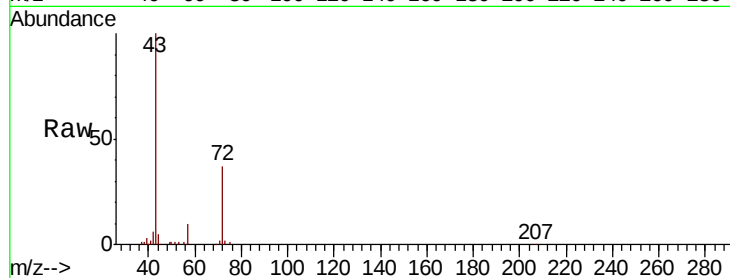




#34
2-Butanone
Concen: 0.587 ppbv
RT: 5.27 min Scan# 771
Delta R.T. 0.02 min
Lab File: VL035455.D
Acq: 18 Aug 2020 23:43

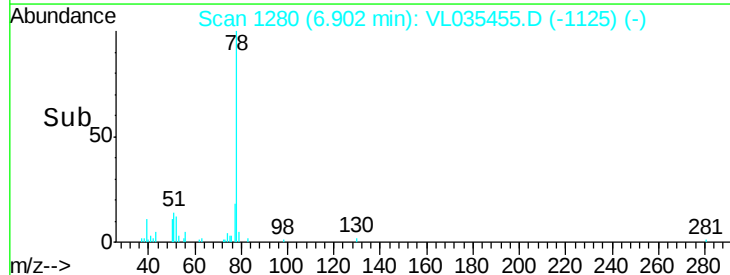
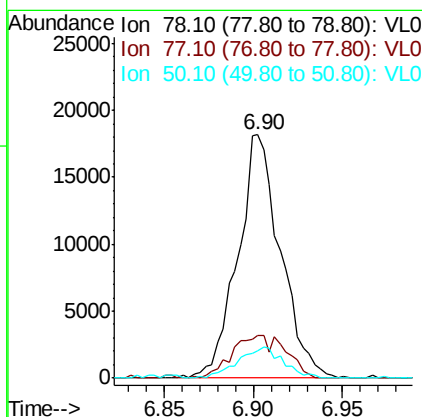
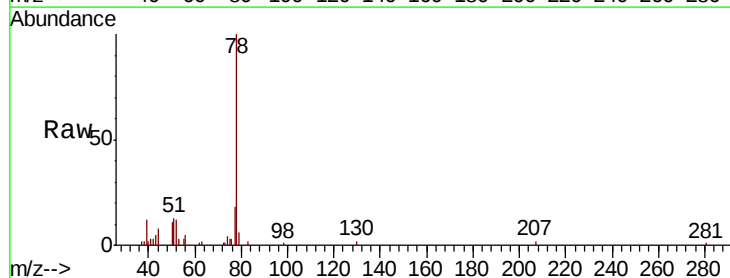
Instrument :
MSVOA_L
ClientSampleId :

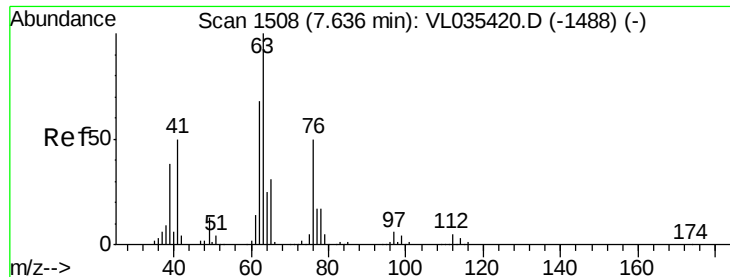
Tot Ion: 43 Resp: 101730
Ion Ratio Lower Upper
43 100
72 37.0 17.6 26.4#



#36
Benzene
Concen: 0.080 ppbv
RT: 6.90 min Scan# 1280
Delta R.T. -0.00 min
Lab File: VL035455.D
Acq: 18 Aug 2020 23:43

Tgt Ion: 78 Resp: 30343
Ion Ratio Lower Upper
78 100
77 17.5 19.6 29.4#
50 11.4 16.3 24.5#





#39

1,2-Dichloropropane

Concen: 7.149 ppbv

RT: 7.19 min Scan# 1369

Delta R.T. -0.44 min

Lab File: VL035455.D

Acq: 18 Aug 2020 23:43

Instrument :

MSVOA_L

ClientSampleId :

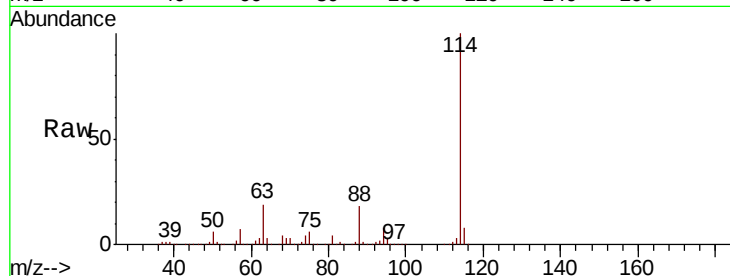
Tot Ion: 63 Resp: 897461

Ion Ratio Lower Upper

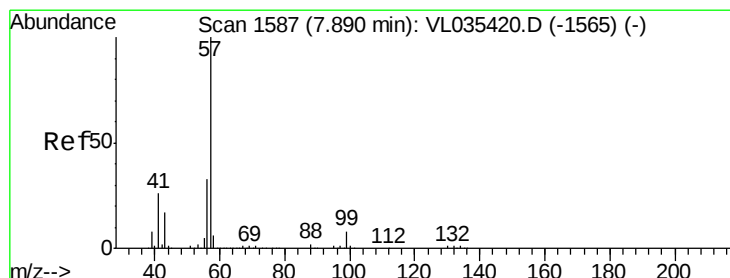
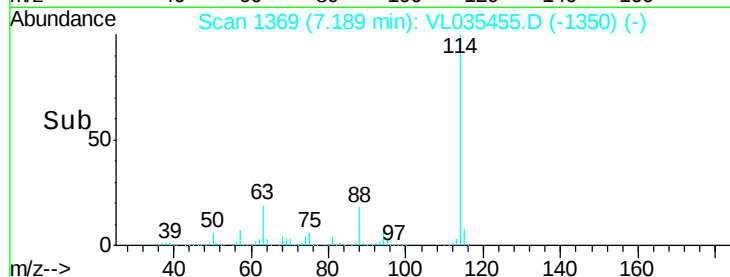
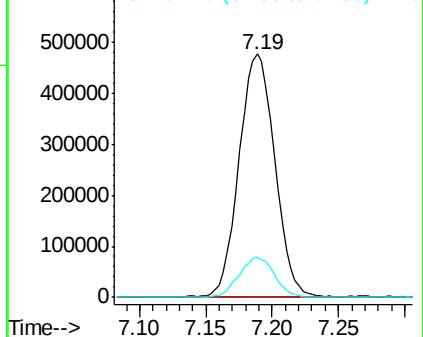
63 100

41 0.0 61.1 91.7#

62 16.6 55.3 82.9#



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 0.035 ppbv

RT: 7.88 min Scan# 1585

Delta R.T. -0.00 min

Lab File: VL035455.D

Acq: 18 Aug 2020 23:43

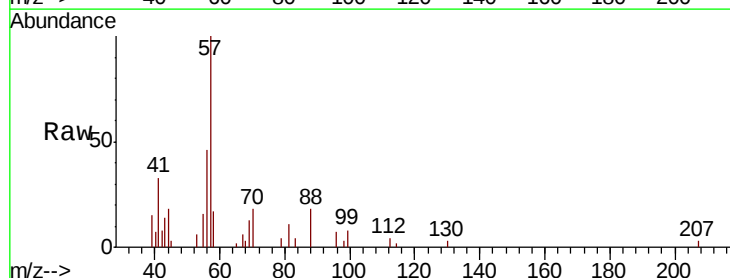
Tgt Ion: 57 Resp: 17327

Ion Ratio Lower Upper

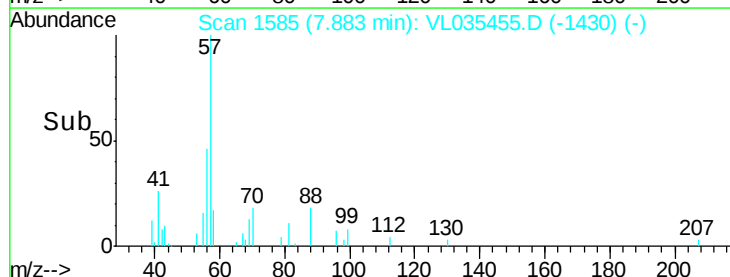
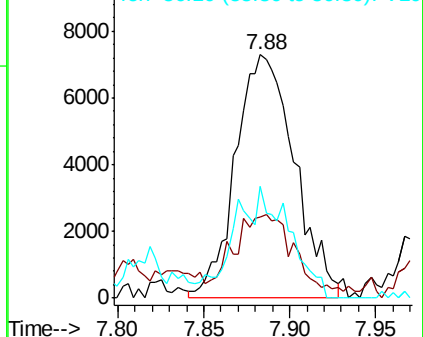
57 100

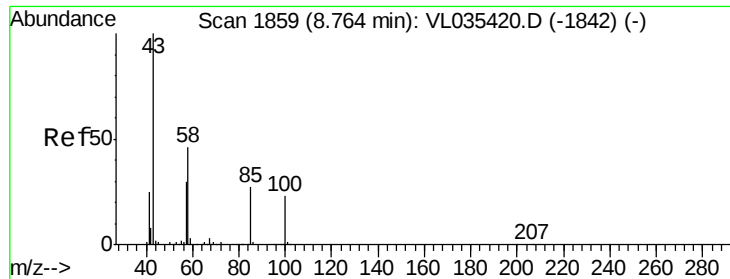
41 32.6 27.2 40.8

56 43.0 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

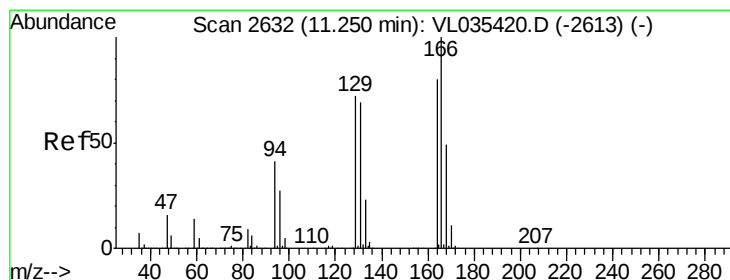
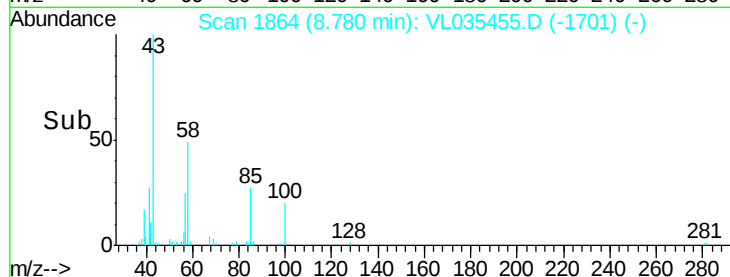
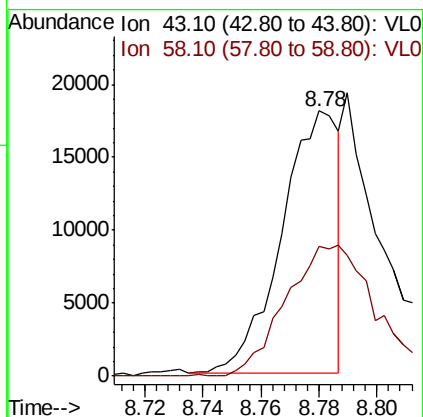
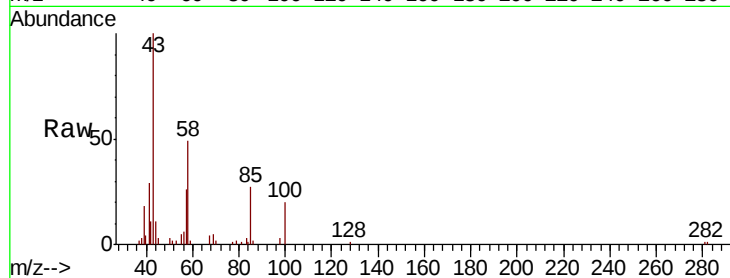




#50
4-Methyl-2-Pentanone
Concen: 0.098 ppbv
RT: 8.78 min Scan# 1864
Delta R.T. 0.03 min
Lab File: VL035455.D
Acq: 18 Aug 2020 23:43

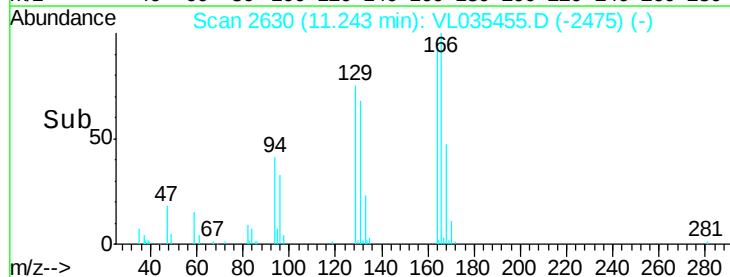
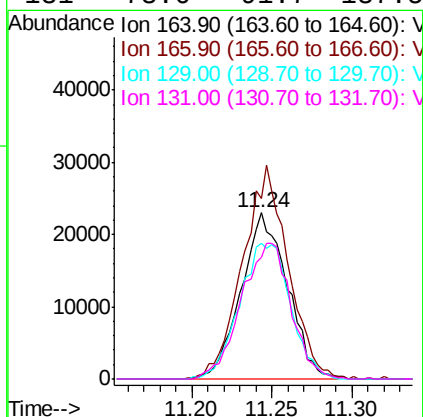
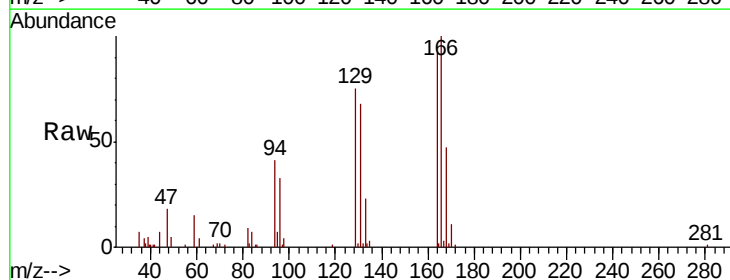
Instrument :
MSVOA_L
ClientSampleId :

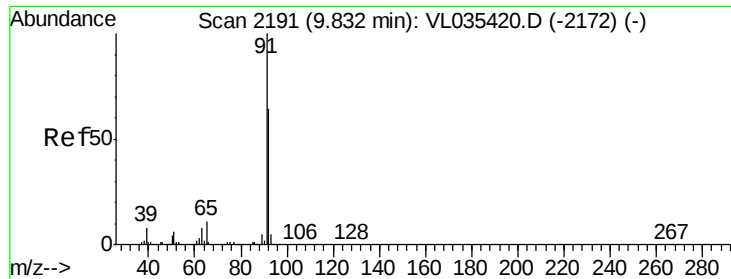
Tot Ion: 43 Resp: 24444
Ion Ratio Lower Upper
43 100
58 0.0 28.7 43.1#



#52
Tetrachloroethene
Concen: 0.196 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. -0.00 min
Lab File: VL035455.D
Acq: 18 Aug 2020 23:43

Tgt Ion: 164 Resp: 45615
Ion Ratio Lower Upper
164 100
166 107.7 103.4 155.0
129 81.9 90.2 135.4#
131 73.6 91.7 137.5#





#53

Toluene

Concen: 0.562 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. 0.01 min

Lab File: VL035455.D

Acq: 18 Aug 2020 23:43

Instrument :

MSVOA_L

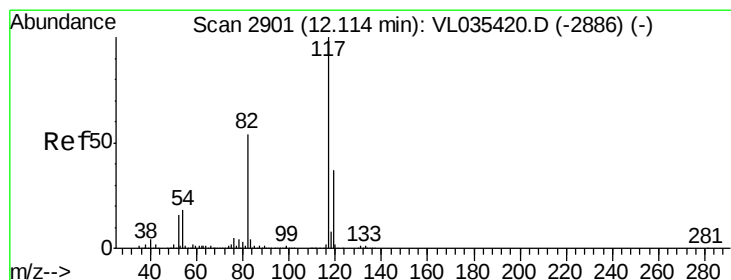
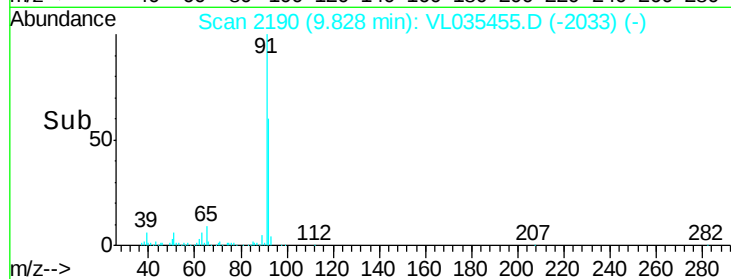
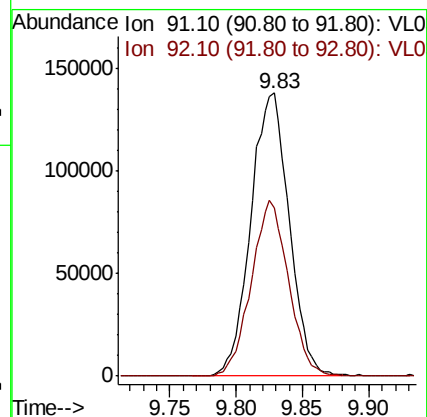
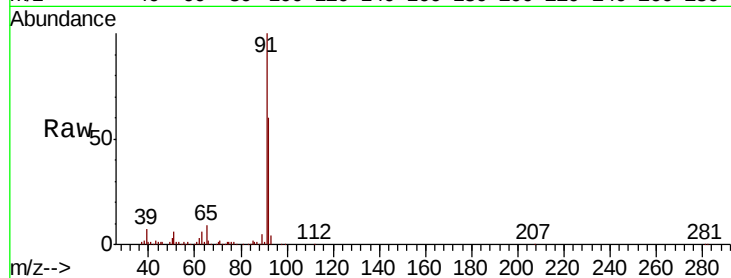
ClientSampleId :

Tot Ion: 91 Resp: 275929

Ion Ratio Lower Upper

91 100

92 60.5 49.1 73.7



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VL035455.D

Acq: 18 Aug 2020 23:43

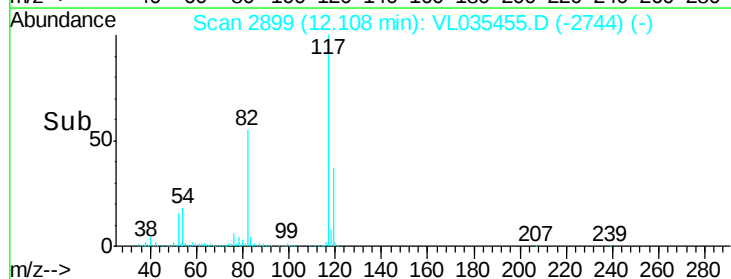
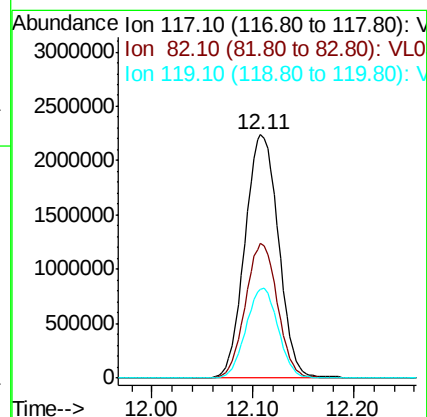
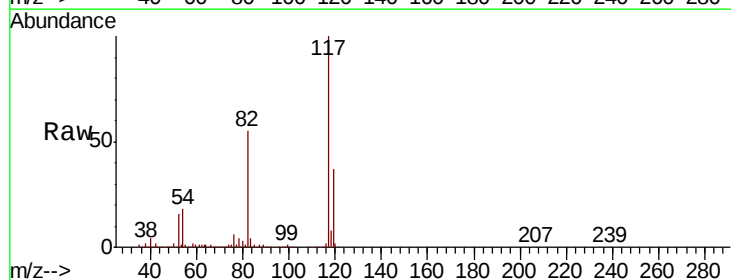
Tgt Ion: 117 Resp: 5159916

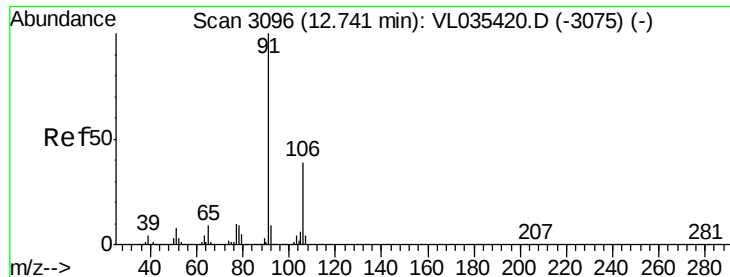
Ion Ratio Lower Upper

117 100

82 53.4 57.4 86.0#

119 35.7 28.4 42.6





#58

Ethyl Benzene

Concen: 0.139 ppbv

RT: 12.73 min Scan# 3094

Delta R.T. 0.00 min

Lab File: VL035455.D

Acq: 18 Aug 2020 23:43

Instrument :

MSVOA_L

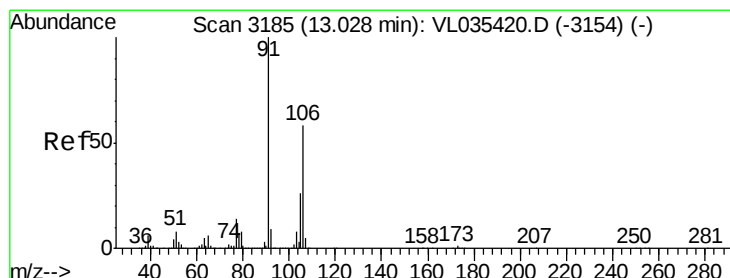
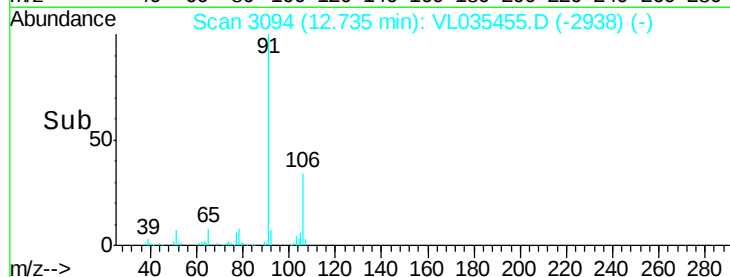
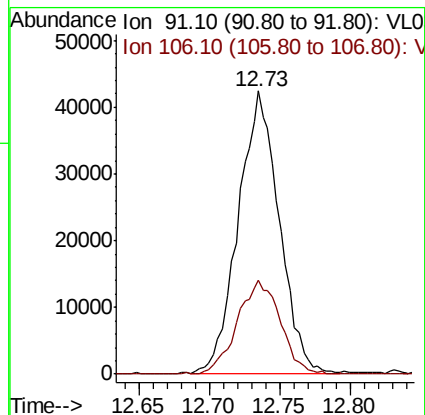
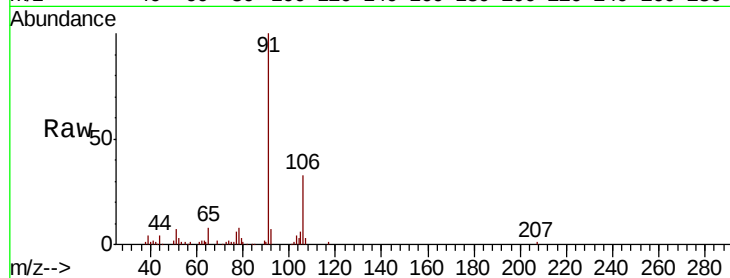
ClientSampleId :

Tot Ion: 91 Resp: 86377

Ion Ratio Lower Upper

91 100

106 33.4 24.1 36.1



#59

m/p-Xylene

Concen: 0.418 ppbv

RT: 12.99 min Scan# 3174

Delta R.T. -0.03 min

Lab File: VL035455.D

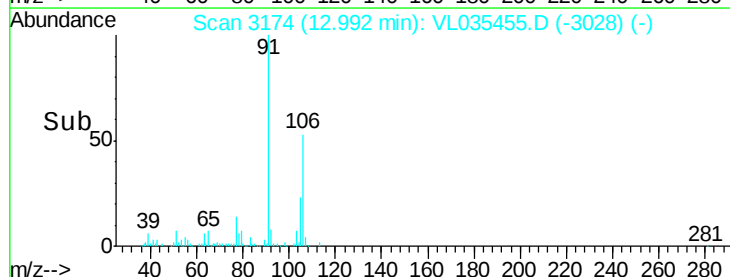
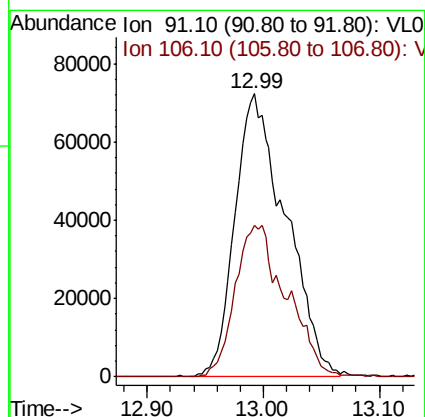
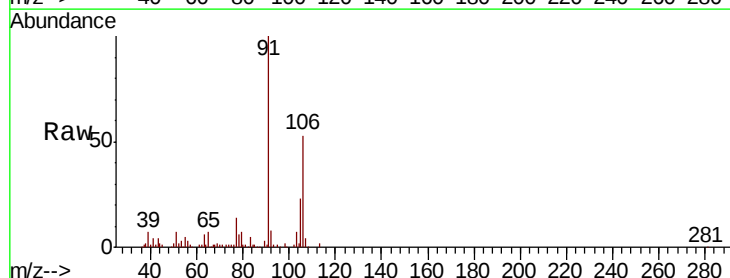
Acq: 18 Aug 2020 23:43

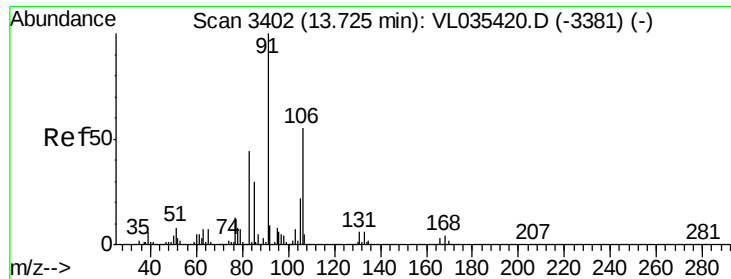
Tgt Ion: 91 Resp: 220207

Ion Ratio Lower Upper

91 100

106 54.0 34.0 51.0#

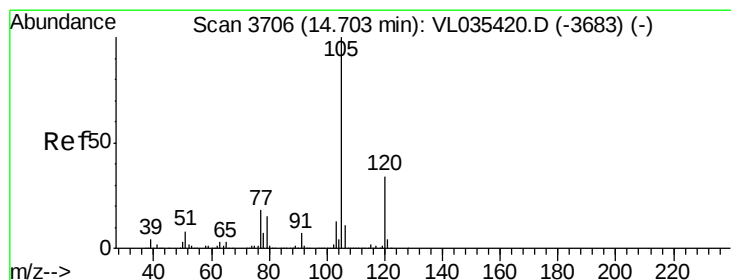
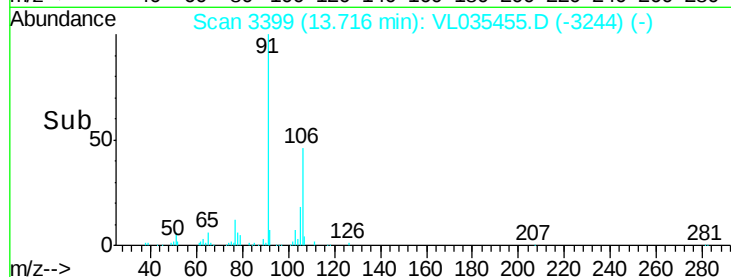
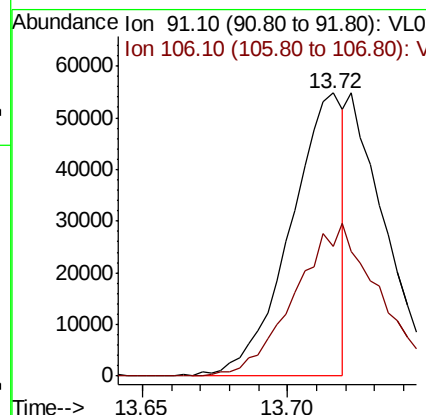
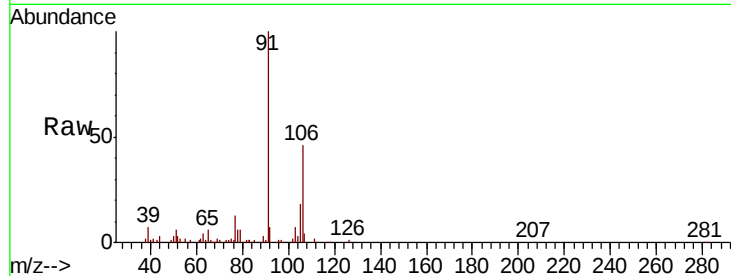




#60
o-Xylene
Concen: 0.136 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. -0.00 min
Lab File: VL035455.D
Acq: 18 Aug 2020 23:43

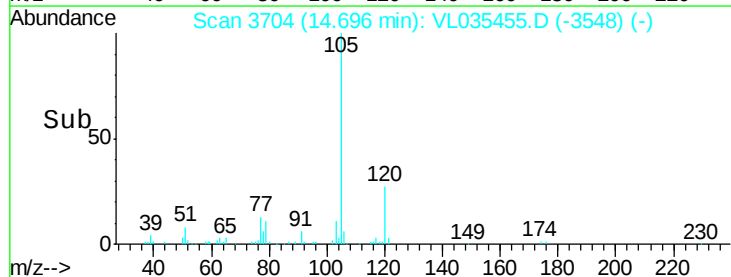
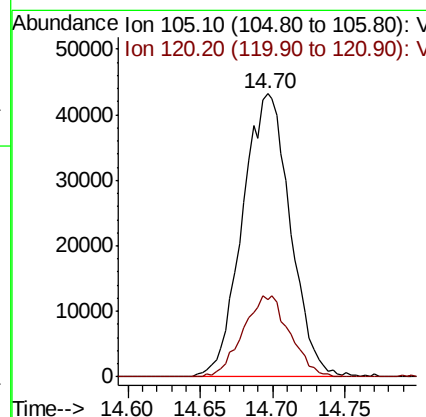
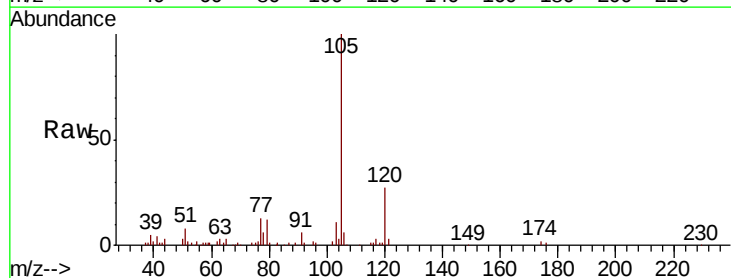
Instrument :
MSVOA_L
ClientSampleId :

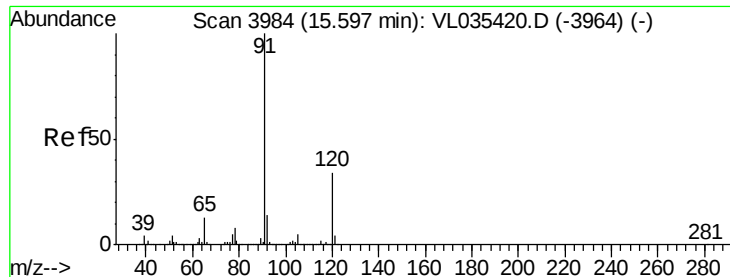
Tot Ion: 91 Resp: 69597
Ion Ratio Lower Upper
91 100
106 0.0 21.8 65.3#



#62
Isopropylbenzene
Concen: 0.118 ppbv
RT: 14.70 min Scan# 3704
Delta R.T. 0.00 min
Lab File: VL035455.D
Acq: 18 Aug 2020 23:43

Tgt Ion: 105 Resp: 99081
Ion Ratio Lower Upper
105 100
120 27.9 20.3 30.5





#64

n-propylbenzene

Concen: 0.159 ppbv

RT: 15.59 min Scan# 3982

Delta R.T. 0.00 min

Lab File: VL035455.D

Acq: 18 Aug 2020 23:43

Instrument :

MSVOA_L

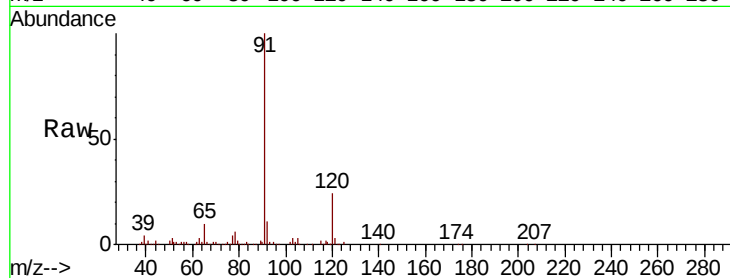
ClientSampleId :

Tot Ion:120 Resp: 41046

Ion Ratio Lower Upper

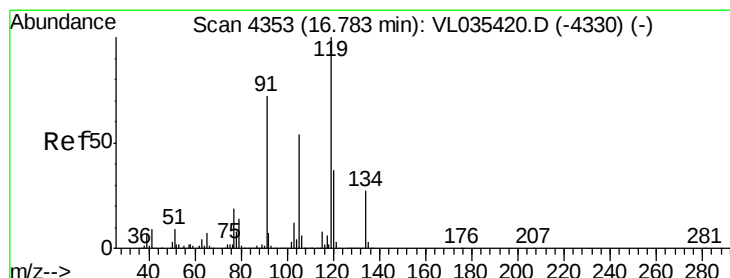
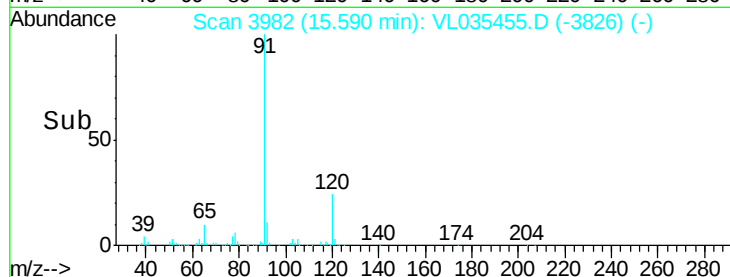
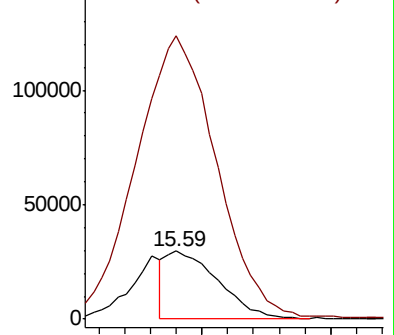
120 100

91 656.6 385.5 578.3#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.078 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. 0.02 min

Lab File: VL035455.D

Acq: 18 Aug 2020 23:43

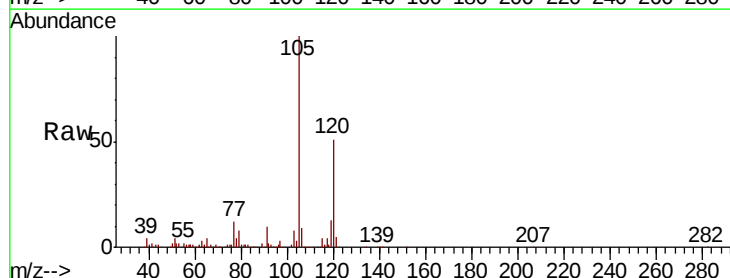
Tgt Ion:119 Resp: 63603

Ion Ratio Lower Upper

119 100

91 90.0 72.0 108.0

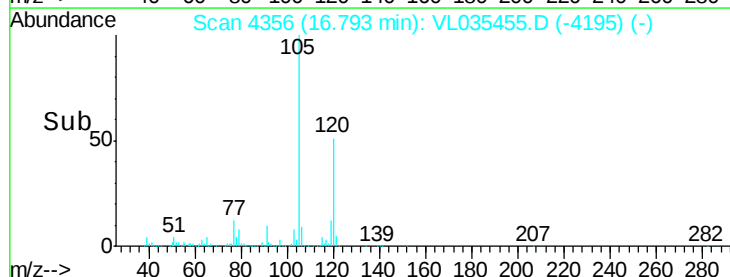
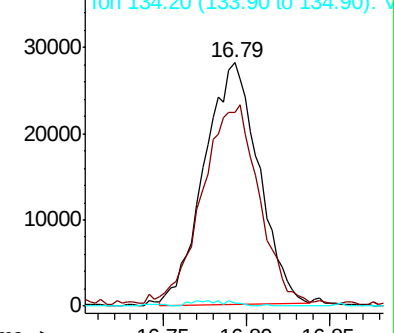
134 2.0 15.7 23.5#

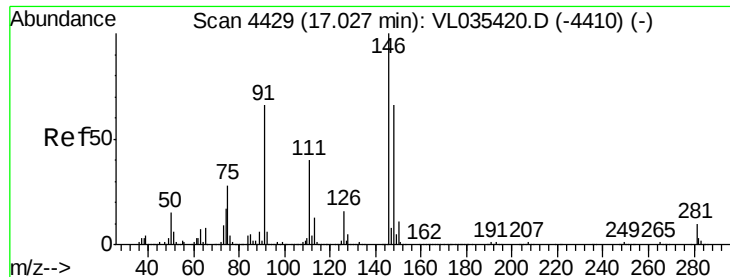


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V





#66

Benzyl Chloride

Concen: 0.048 ppbv

RT: 17.24 min Scan# 4495

Delta R.T. 0.22 min

Lab File: VL035455.D

Acq: 18 Aug 2020 23:43

Instrument :

MSVOA_L

ClientSampleId :

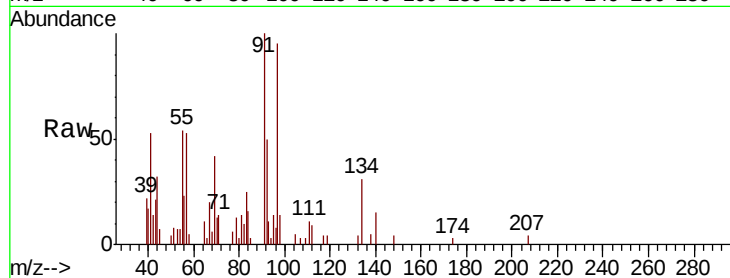
Tot Ion: 91 Resp: 9395

Ion Ratio Lower Upper

91 100

126 2.7 13.3 19.9#

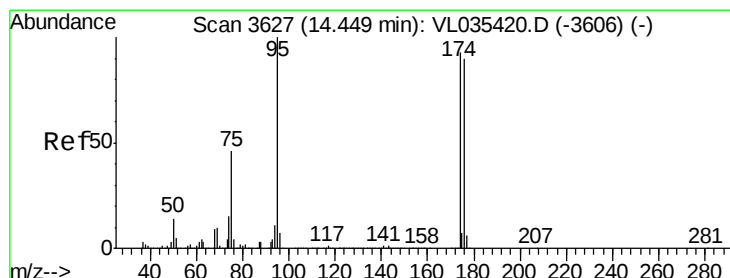
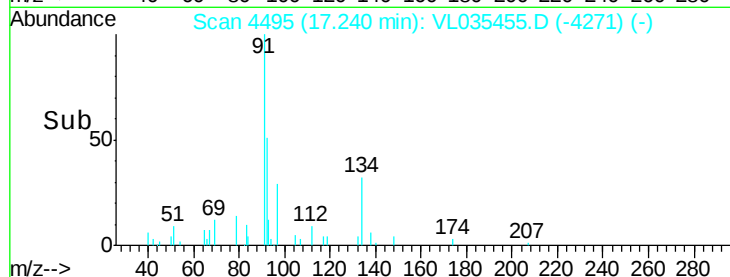
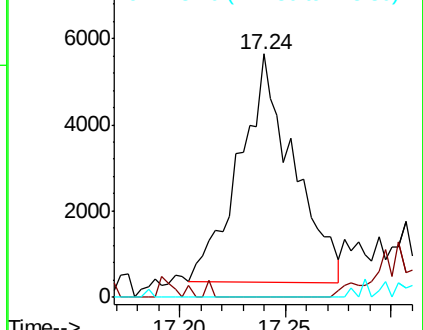
128 0.0 4.1 6.1#



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



#68

1-Bromo-4-Fluorobenzene

Concen: 10.422 ppbv

RT: 14.44 min Scan# 3625

Delta R.T. 0.00 min

Lab File: VL035455.D

Acq: 18 Aug 2020 23:43

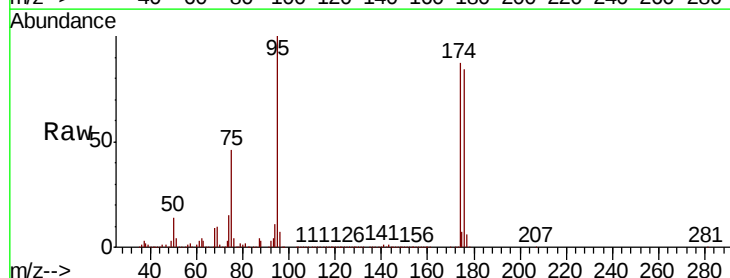
Tgt Ion: 95 Resp: 3764917

Ion Ratio Lower Upper

95 100

174 90.0 44.0 66.0#

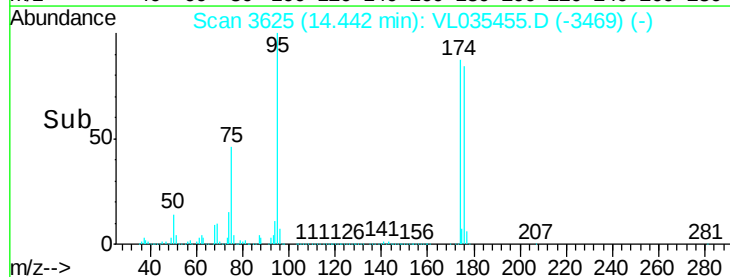
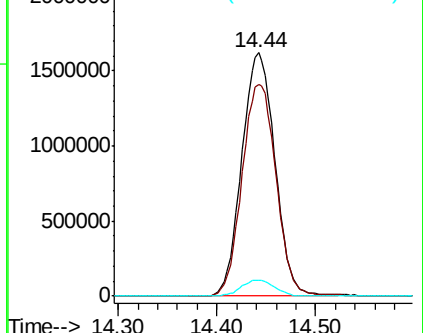
175 6.6 3.2 4.8#

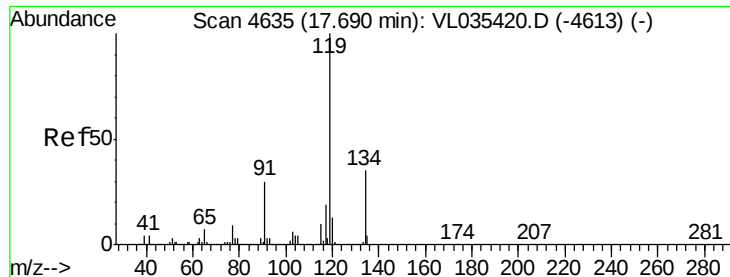


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

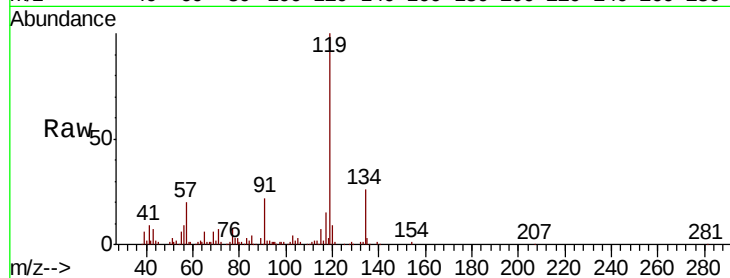




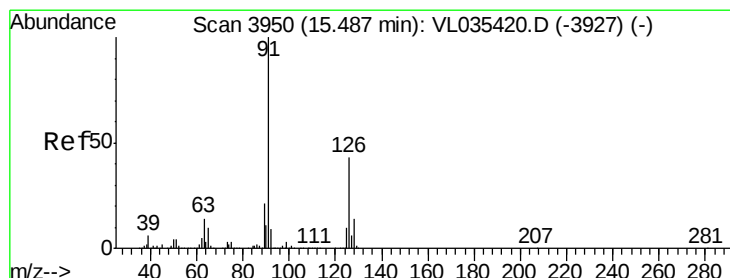
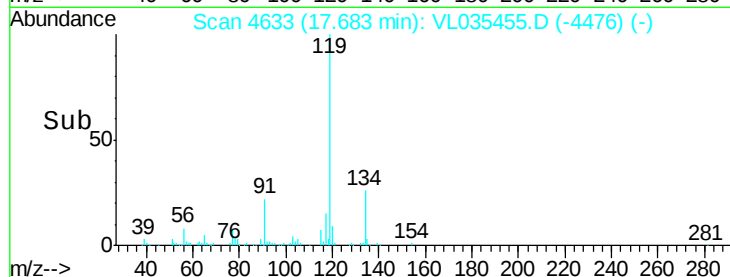
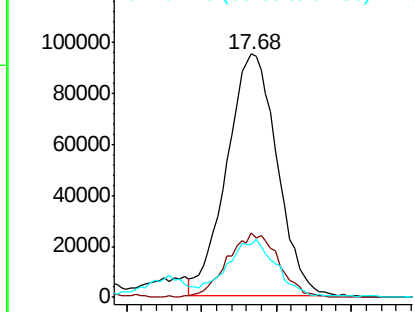
#69
 p-Isopropyltoluene
 Concen: 0.232 ppbv
 RT: 17.68 min Scan# 4633
 Delta R.T. 0.00 min
 Lab File: VL035455.D
 Acq: 18 Aug 2020 23:43

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.4	20.6	30.8
91	24.2	26.6	39.8

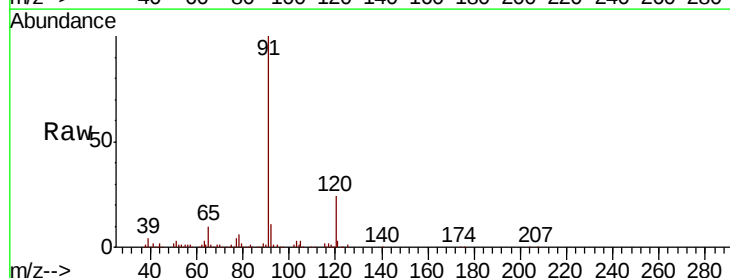


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

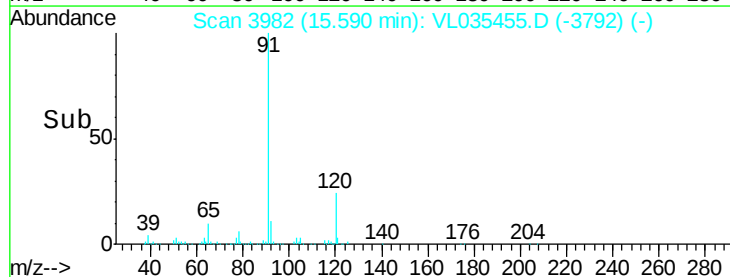
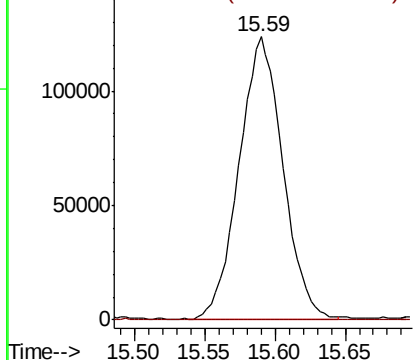


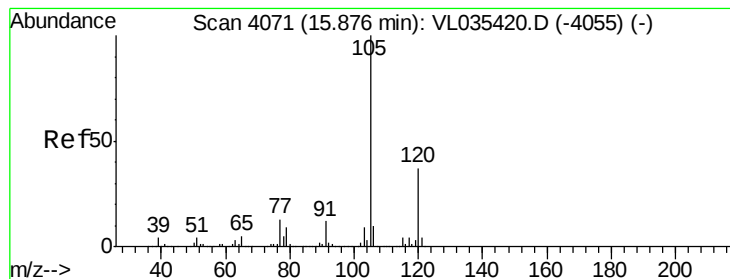
#71
 2-Chlorotoluene
 Concen: 0.438 ppbv
 RT: 15.59 min Scan# 3982
 Delta R.T. 0.11 min
 Lab File: VL035455.D
 Acq: 18 Aug 2020 23:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	0.1	11.4	45.6



Abundance Ion 91.10 (90.80 to 91.80): V
 Ion 126.10 (125.80 to 126.80): V





#72

4-Ethyltoluene

Concen: 0.501 ppbv

RT: 15.87 min Scan# 4068

Delta R.T. -0.00 min

Lab File: VL035455.D

Acq: 18 Aug 2020 23:43

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:105 Resp: 336731

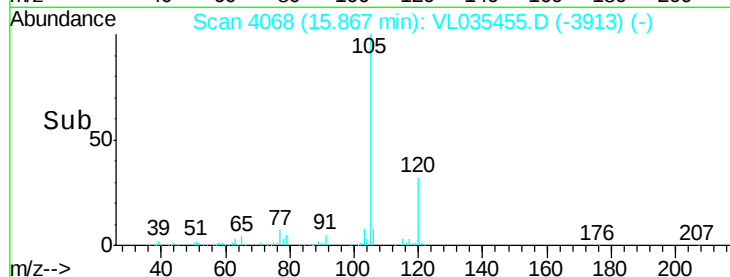
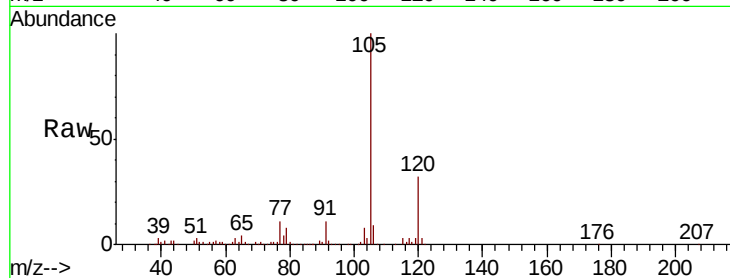
Ion Ratio Lower Upper

105 100

120 32.5 22.7 34.1

91 11.0 10.8 16.2

77 9.9 11.9 17.9#

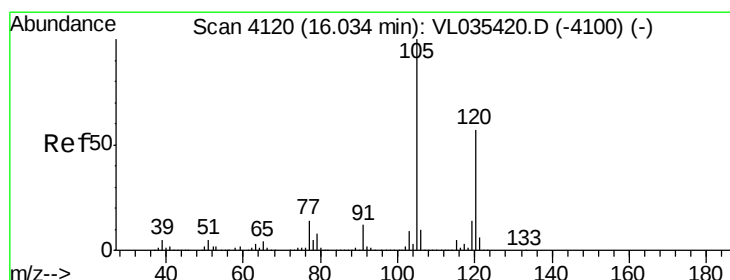
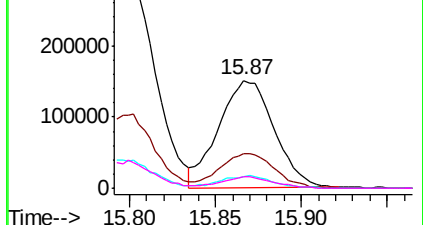


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.355 ppbv

RT: 16.02 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VL035455.D

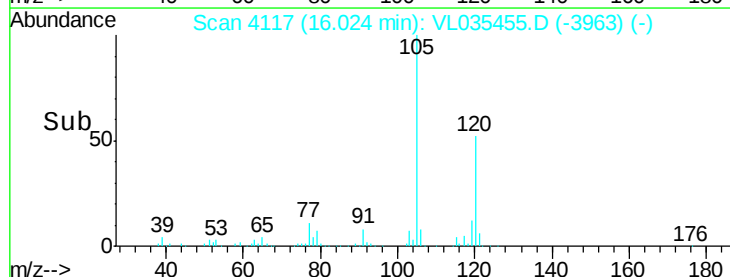
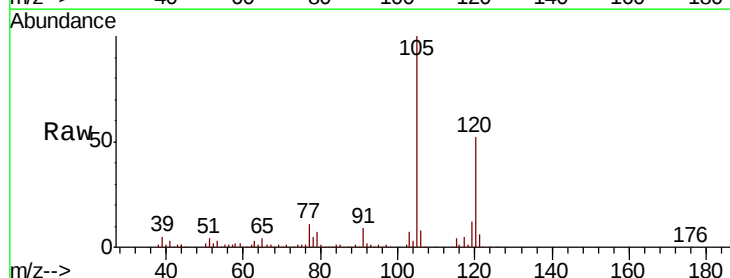
Acq: 18 Aug 2020 23:43

Tgt Ion:105 Resp: 222079

Ion Ratio Lower Upper

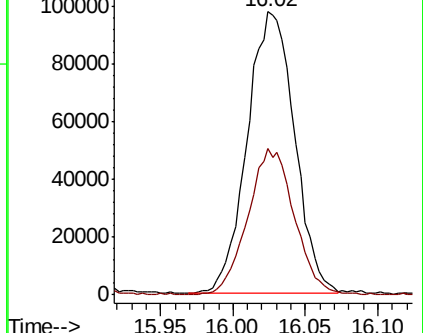
105 100

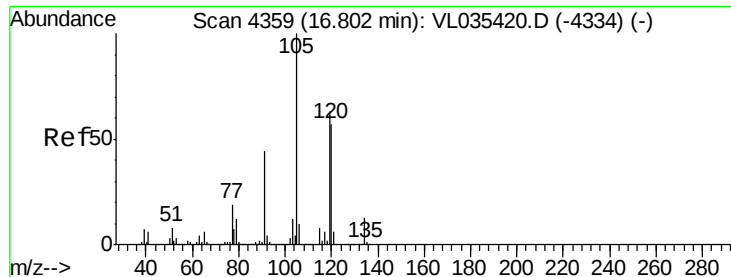
120 51.8 35.6 53.4



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: 0.745 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. -0.00 min

Lab File: VL035455.D

Acq: 18 Aug 2020 23:43

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:105 Resp: 505919

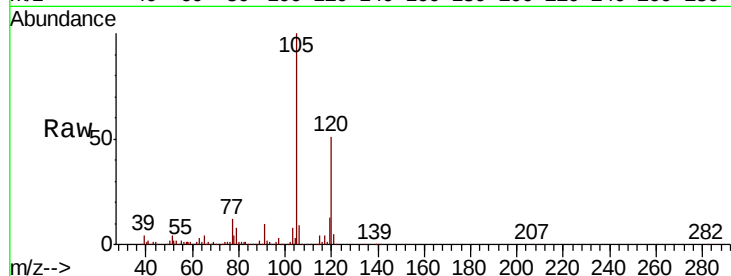
Ion Ratio Lower Upper

105 100

120 50.8 37.8 56.8

91 9.9 40.0 60.0#

77 11.7 18.8 28.2#

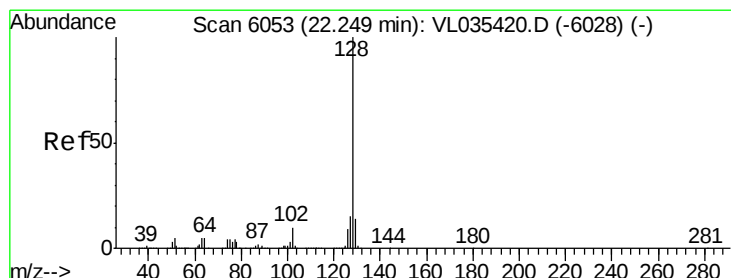
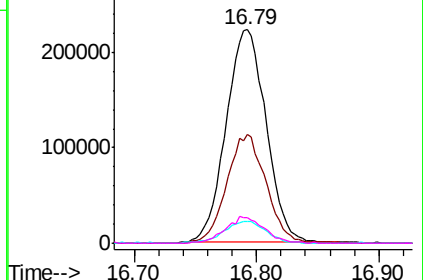
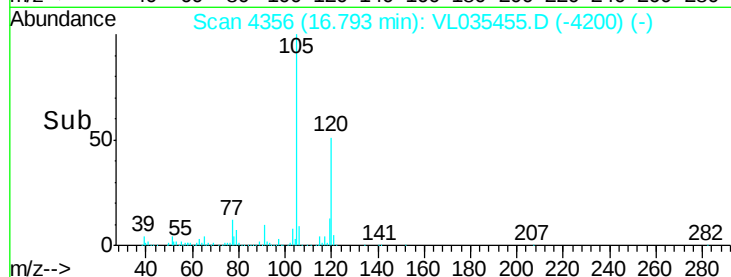


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.099 ppbv

RT: 22.25 min Scan# 6053

Delta R.T. 0.01 min

Lab File: VL035455.D

Acq: 18 Aug 2020 23:43

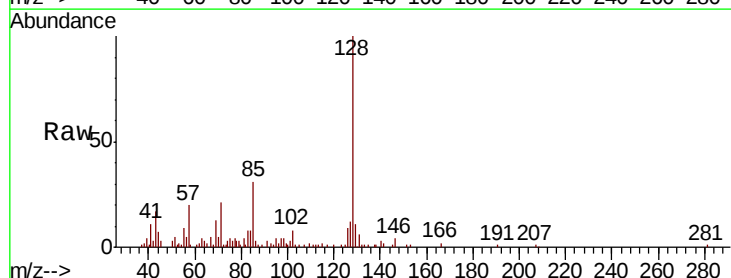
Tgt Ion:128 Resp: 94623

Ion Ratio Lower Upper

128 100

127 12.1 11.4 17.0

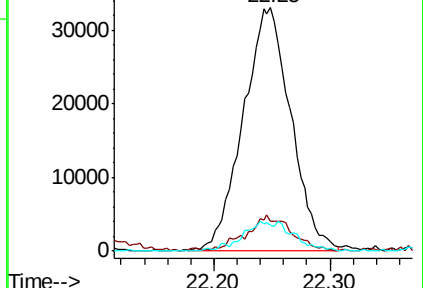
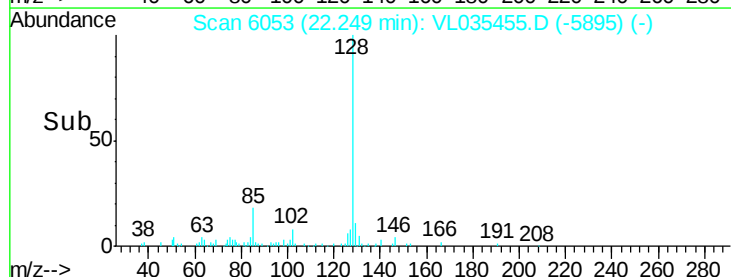
129 10.9 9.5 14.3

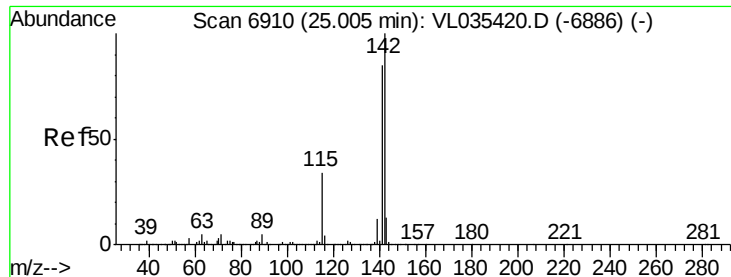


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V

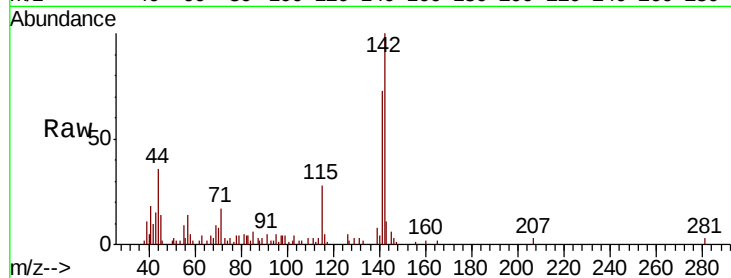




#80
 Naphthalene, 2-methyl-
 Concen: 0.066 ppbv
 RT: 25.00 min Scan# 6910
 Delta R.T. 0.01 min
 Lab File: VL035455.D
 Acq: 18 Aug 2020 23:43

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.2	67.1	100.7
115	40.7	36.1	54.1



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

