

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081820\
 Data File : VL035467.D
 Acq On : 19 Aug 2020 13:09
 Operator : SY/AP
 Sample : L3730-03DUP
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 20 02:47:51 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

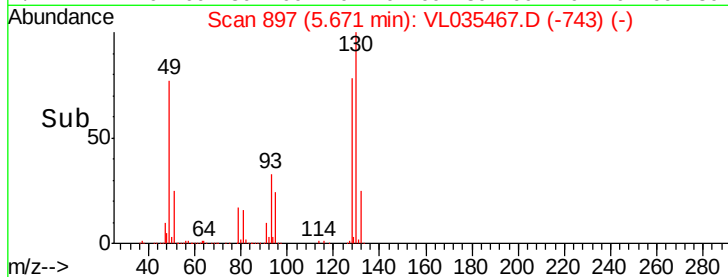
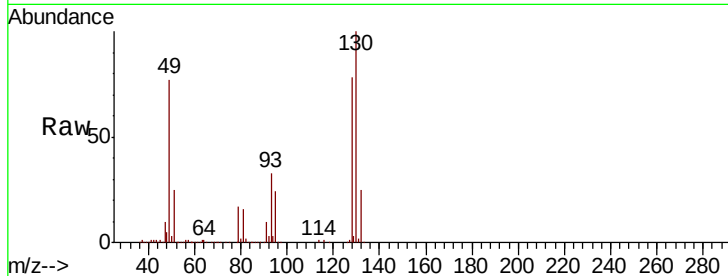
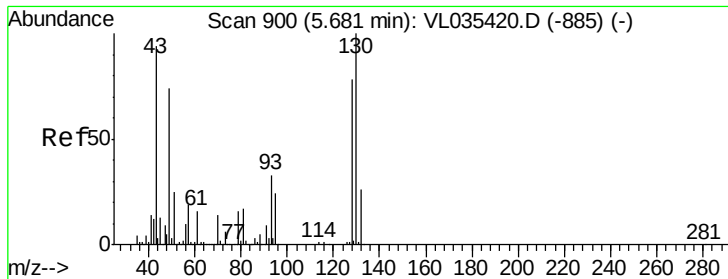
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1051700	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4794586	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4795359	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3467885	10.33	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	56937	0.292	ppbv	98
3) Chlorodifluoromethane	2.99	51	527751	4.002	ppbv #	84
4) Chloromethane	3.14	50	39406	0.574	ppbv	91
9) Propene	3.02	41	37805	0.713	ppbv #	77
10) Heptane	8.13	43	15957	0.115	ppbv #	82
11) Trichlorofluoromethane	3.95	101	150571	0.492	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	16452	0.072	ppbv #	77
13) Ethanol	3.61	45	771728	39.741	ppbv	99
15) Acetone	3.85	43	1347242	11.130	ppbv #	82
16) 1,3-Butadiene	3.30	39	7823	0.159	ppbv #	9
17) tert-Butyl alcohol	4.31	59	21386	0.137	ppbv	99
19) Isopropyl Alcohol	3.97	45	1091324	13.080	ppbv #	97
20) Methylene Chloride	4.35	84	252806	2.588	ppbv #	64
23) Vinyl Acetate	5.07	43	46026	0.266	ppbv #	66
25) Ethyl Acetate	5.69	43	123965	0.526	ppbv #	90
26) Hexane	5.69	57	183986	1.384	ppbv #	35
27) Carbon Disulfide	4.55	76	9673	0.050	ppbv #	83
29) Chloroform	5.75	83	19065	0.071	ppbv	100
30) Cyclohexane	7.14	84	43143	0.293	ppbv #	55
34) 2-Butanone	5.26	43	72799	0.454	ppbv #	70
35) Carbon Tetrachloride	7.03	117	17154	0.067	ppbv	92
36) Benzene	6.90	78	25344	0.072	ppbv #	88
37) 1,2-Dichloroethane	6.32	62	33295	0.207	ppbv #	89
39) 1,2-Dichloropropane	7.19	63	839715	7.240	ppbv #	23
44) 2,2,4-Trimethylpentane	7.88	57	123564	0.269	ppbv	92
50) 4-Methyl-2-Pentanone	8.77	43	168744	0.734	ppbv #	85
52) Tetrachloroethene	11.25	164	6477	0.030	ppbv #	80
53) Toluene	9.82	91	393971	0.869	ppbv	99
58) Ethyl Benzene	12.73	91	48792	0.084	ppbv	96
59) m/p-Xylene	12.99	91	107324	0.219	ppbv #	80
60) o-Xylene	13.71	91	28679	0.060	ppbv #	40
61) Styrene	13.55	104	48839	0.127	ppbv #	89
62) Isopropylbenzene	14.69	105	46893	0.060	ppbv #	50
74) 1,2,4-Trimethylbenzene	16.79	105	71383	0.113	ppbv #	69
76) 1,4-Dichlorobenzene	17.17	146	38873	0.081	ppbv	94

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.00 min

Lab File: VL035467.D

Acq: 19 Aug 2020 13:09

Instrument :

MSVOA_L

ClientSampled :

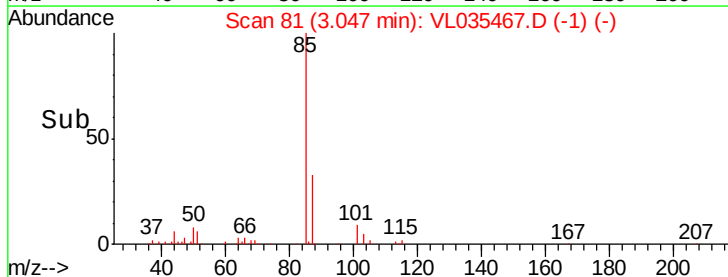
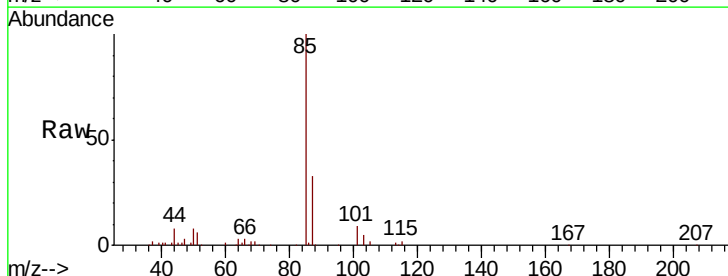
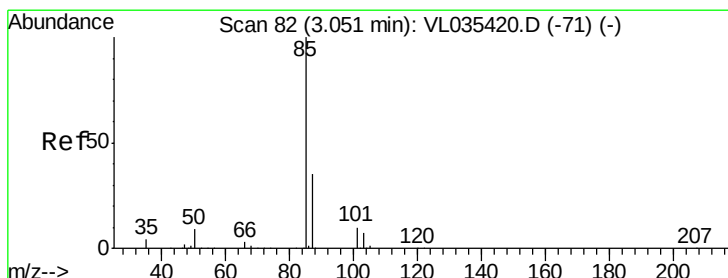
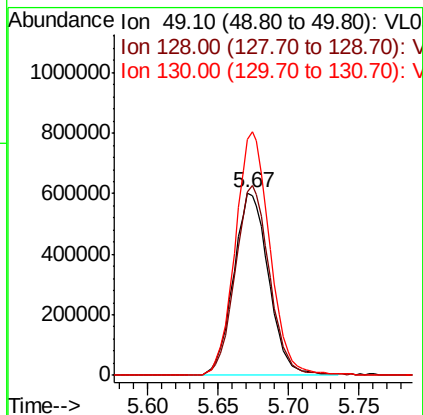
Tot Ion: 49 Resp: 1051700

Ion Ratio Lower Upper

49 100

128 102.2 20.9 62.7#

130 132.3 26.7 80.1#



#2

Dichlorodifluoromethane

Concen: 0.292 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL035467.D

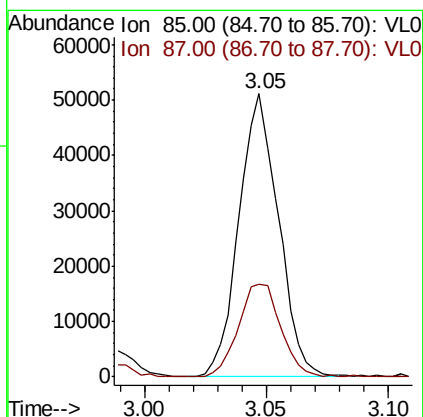
Acq: 19 Aug 2020 13:09

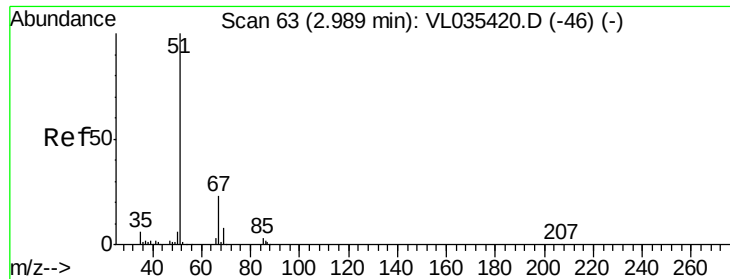
Tgt Ion: 85 Resp: 56937

Ion Ratio Lower Upper

85 100

87 33.0 27.1 40.7





#3

Chlorodifluoromethane

Concen: 4.002 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.00 min

Lab File: VL035467.D

Acq: 19 Aug 2020 13:09

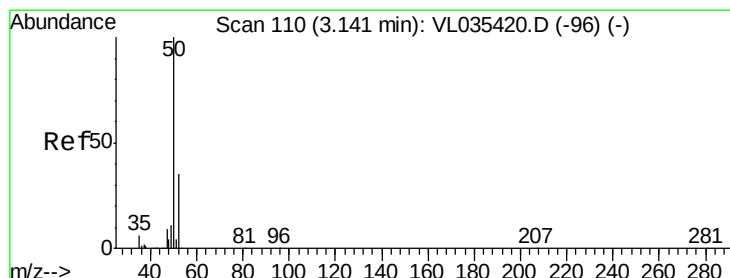
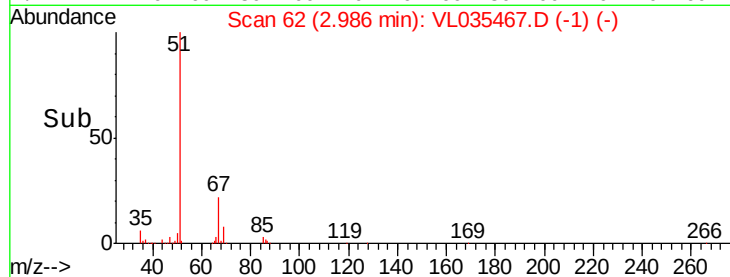
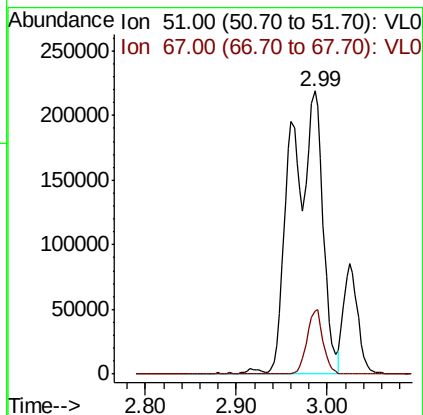
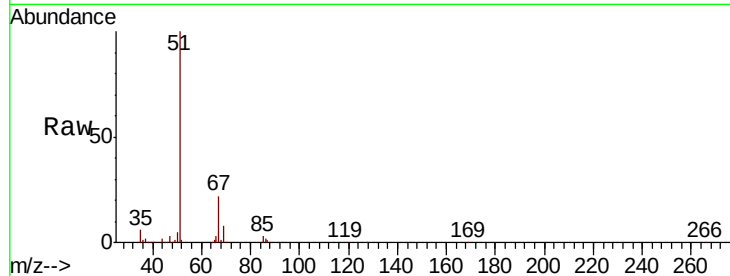
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 51 Resp: 527751

Ion Ratio Lower Upper

51 100

67 11.6 15.0 22.6#



#4

Chloromethane

Concen: 0.574 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.01 min

Lab File: VL035467.D

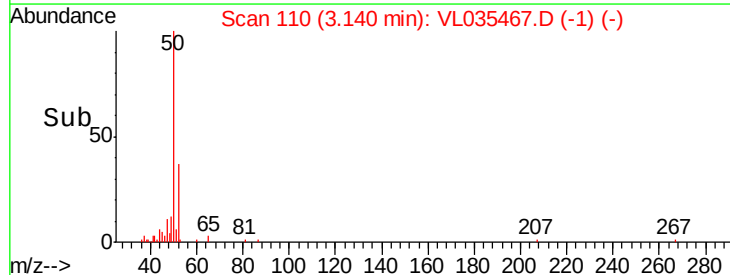
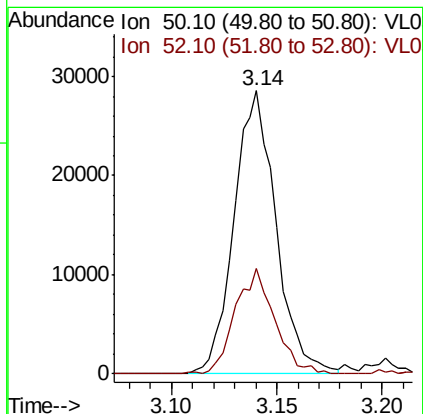
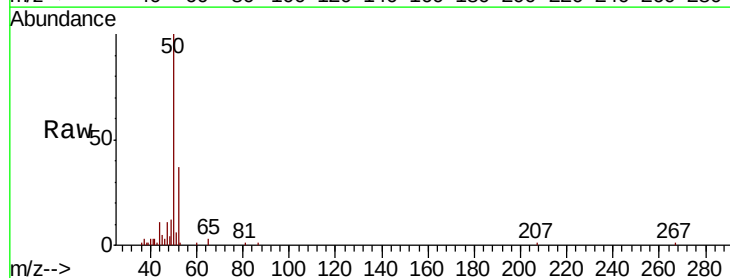
Acq: 19 Aug 2020 13:09

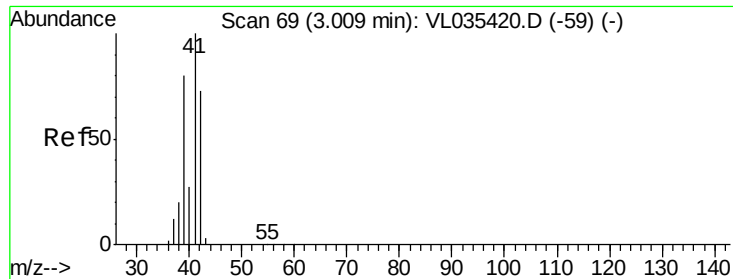
Tgt Ion: 50 Resp: 39406

Ion Ratio Lower Upper

50 100

52 37.4 25.9 38.9





#9

Propene

Concen: 0.713 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL035467.D

Acq: 19 Aug 2020 13:09

Instrument :

MSVOA_L

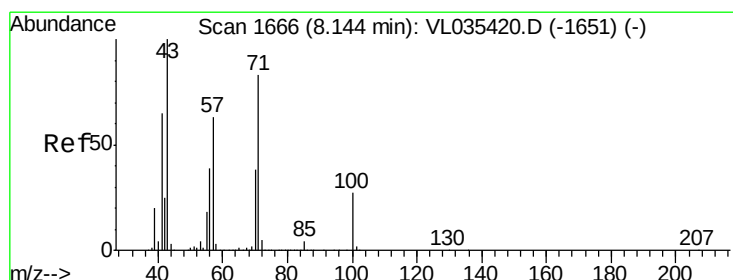
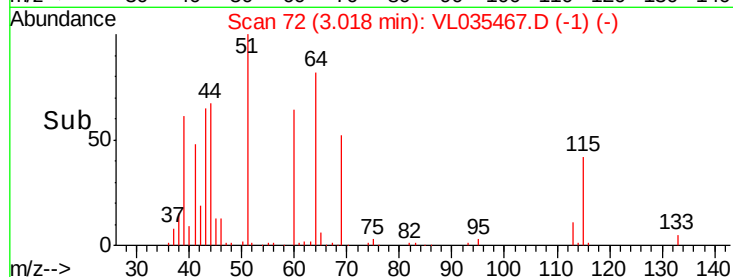
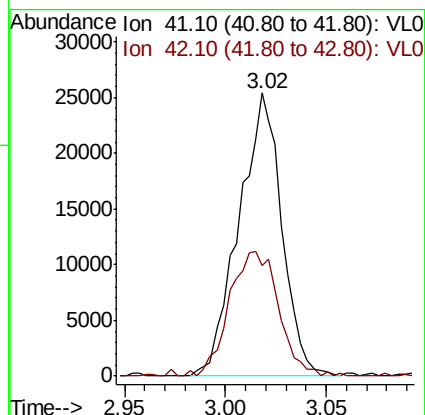
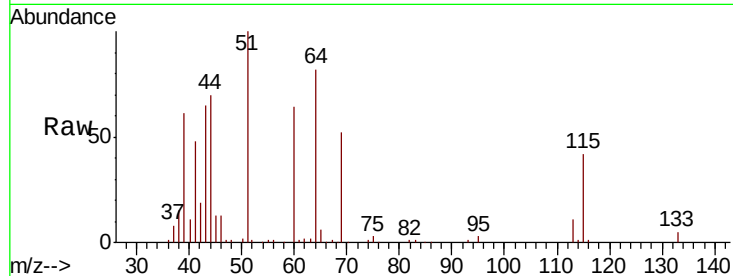
ClientSampleId :

Tot Ion: 41 Resp: 37805

Ion Ratio Lower Upper

41 100

42 51.0 55.5 83.3#



#10

Heptane

Concen: 0.115 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VL035467.D

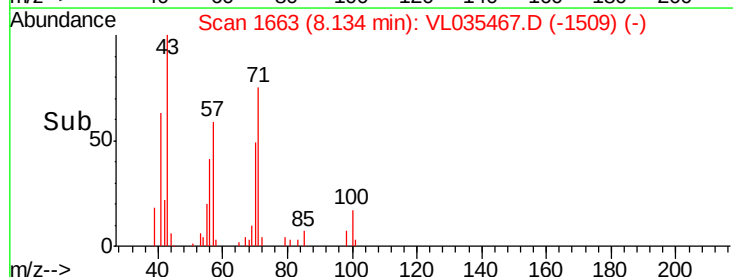
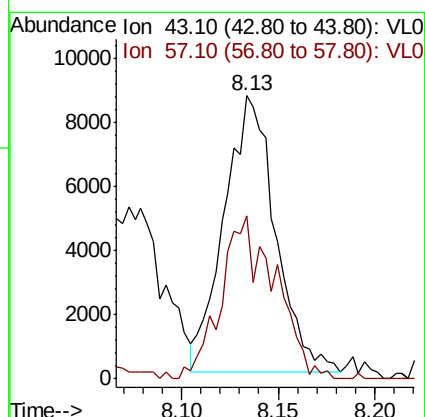
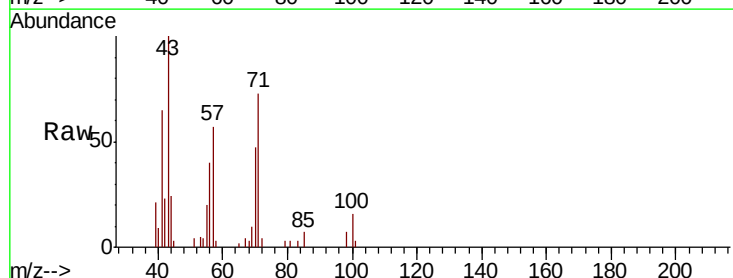
Acq: 19 Aug 2020 13:09

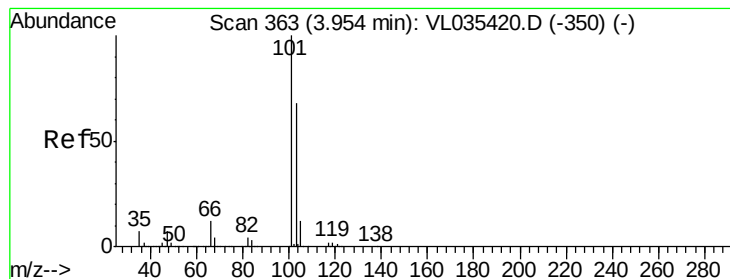
Tgt Ion: 43 Resp: 15957

Ion Ratio Lower Upper

43 100

57 62.2 39.8 59.6#





#11

Trichlorofluoromethane

Concen: 0.492 ppbv

RT: 3.95 min Scan# 362

Delta R.T. 0.00 min

Lab File: VL035467.D

Acq: 19 Aug 2020 13:09

Instrument :

MSVOA_L

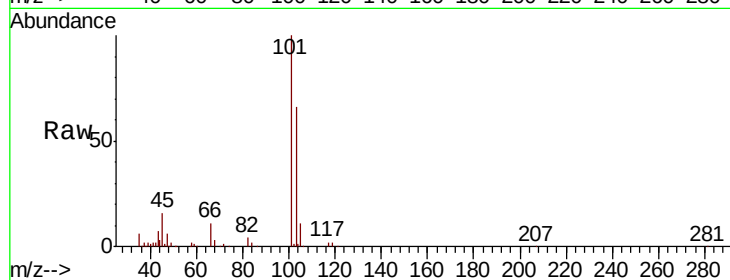
ClientSampleId :

Tot Ion:101 Resp: 150571

Ion Ratio Lower Upper

101 100

103 65.4 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3.95

120000

100000

80000

60000

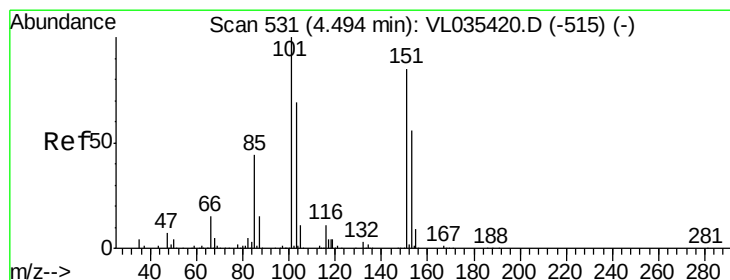
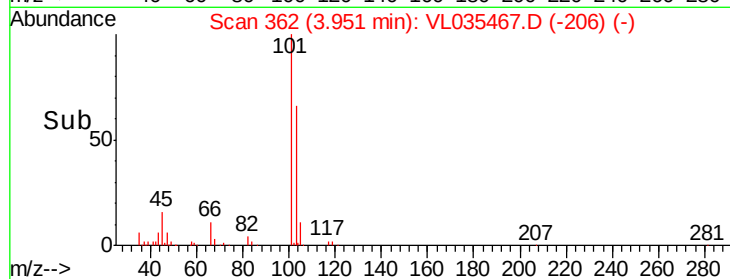
40000

20000

0

Time-->

3.90 3.95 4.00



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.072 ppbv

RT: 4.49 min Scan# 529

Delta R.T. 0.00 min

Lab File: VL035467.D

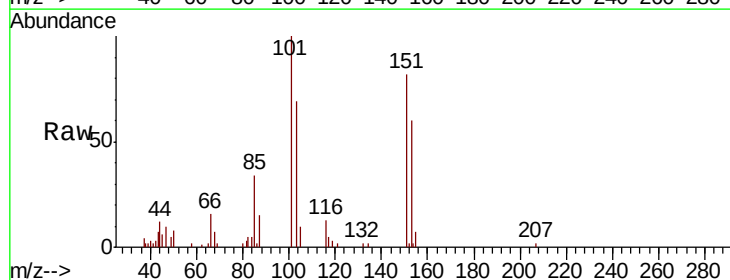
Acq: 19 Aug 2020 13:09

Tgt Ion:101 Resp: 16452

Ion Ratio Lower Upper

101 100

151 85.7 53.6 80.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

4.49

12000

10000

8000

6000

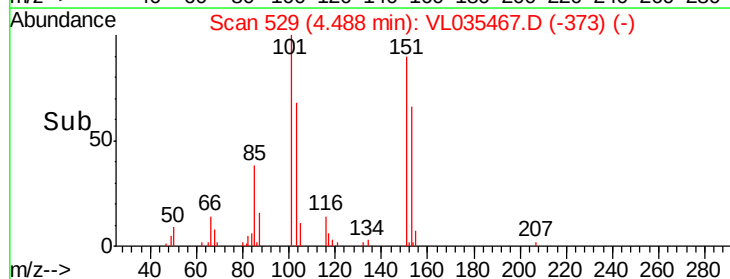
4000

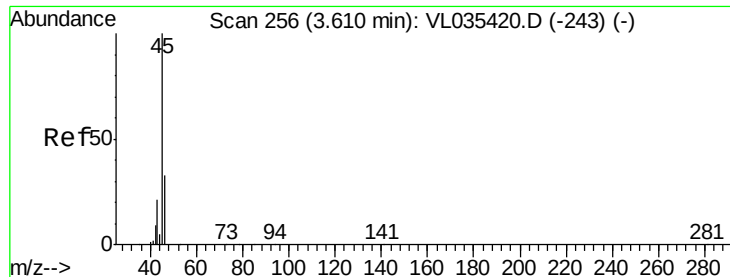
2000

0

Time-->

4.45 4.50





#13

Ethanol

Concen: 39.741 ppbv

RT: 3.61 min Scan# 255

Delta R.T. 0.01 min

Lab File: VL035467.D

Acq: 19 Aug 2020 13:09

Instrument :

MSVOA_L

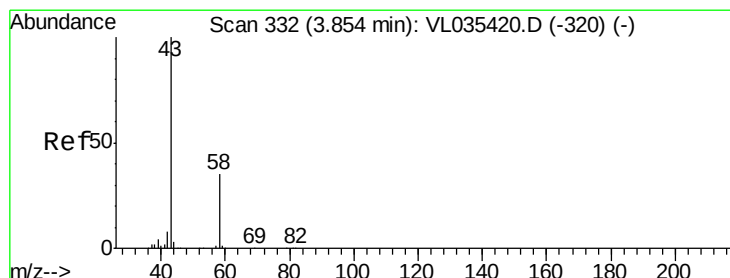
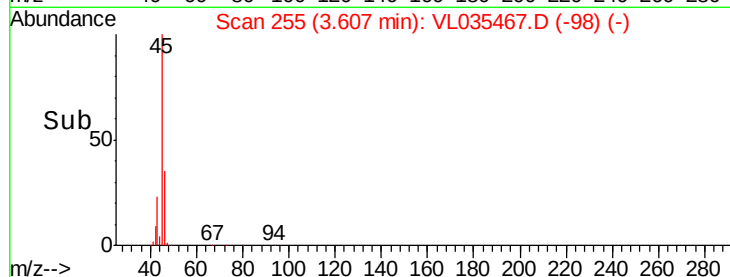
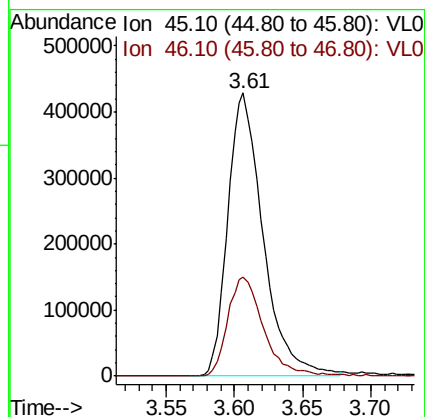
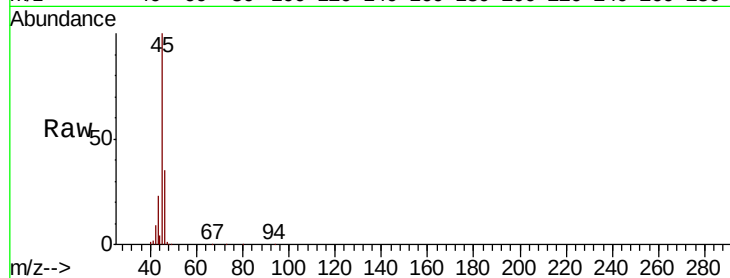
ClientSampleId :

Tot Ion: 45 Resp: 771728

Ion Ratio Lower Upper

45 100

46 35.9 14.2 56.6



#15

Acetone

Concen: 11.130 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.00 min

Lab File: VL035467.D

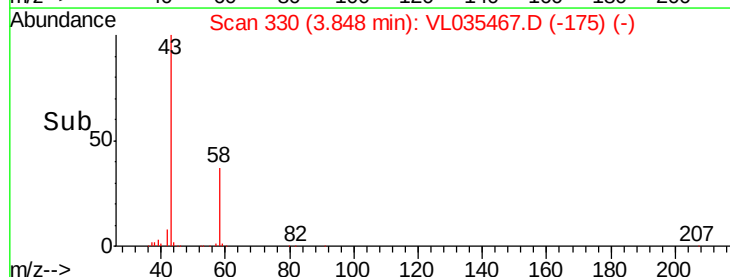
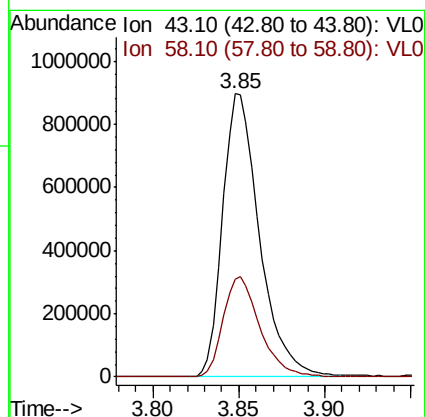
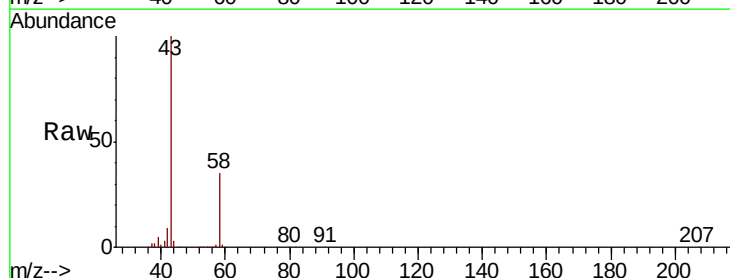
Acq: 19 Aug 2020 13:09

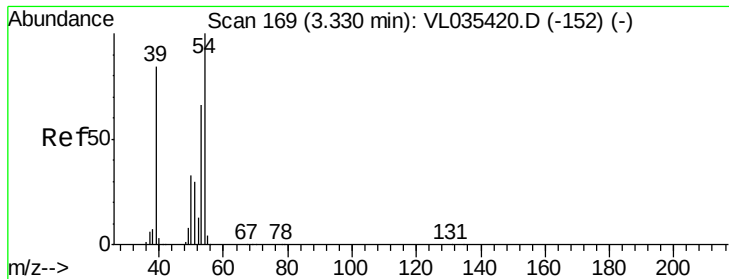
Tgt Ion: 43 Resp: 1347242

Ion Ratio Lower Upper

43 100

58 35.5 21.0 31.6#





#16

1,3-Butadiene

Concen: 0.159 ppbv

RT: 3.30 min Scan# 161

Delta R.T. -0.02 min

Lab File: VL035467.D

Acq: 19 Aug 2020 13:09

Instrument :

MSVOA_L

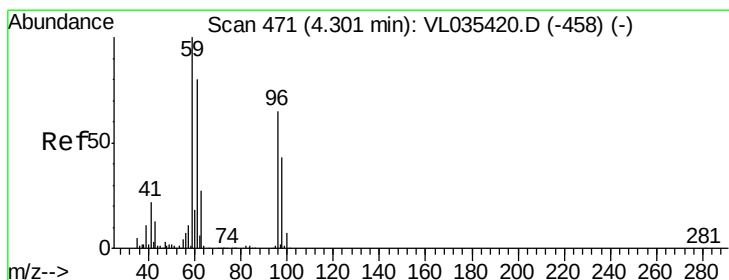
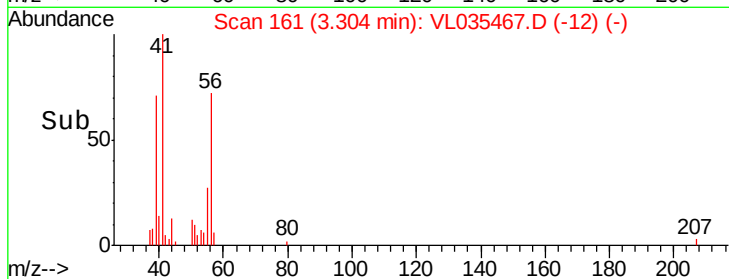
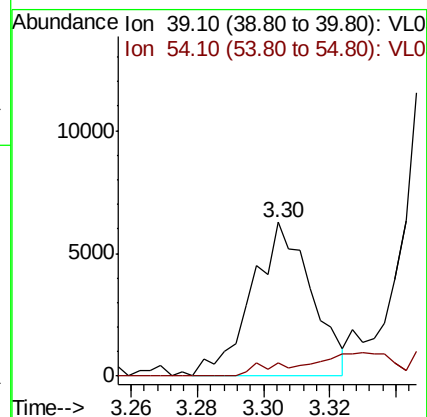
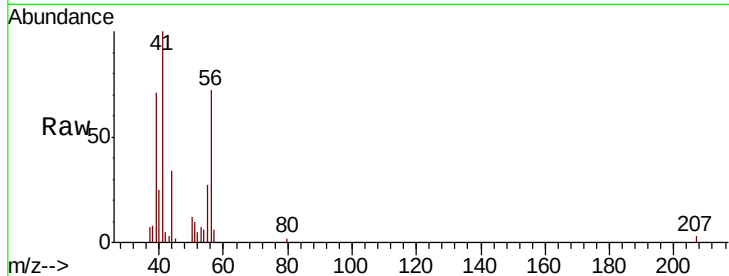
ClientSampleId :

Tot Ion: 39 Resp: 7823

Ion Ratio Lower Upper

39 100

54 0.0 64.4 96.6#



#17

tert-Butyl alcohol

Concen: 0.137 ppbv

RT: 4.31 min Scan# 475

Delta R.T. 0.02 min

Lab File: VL035467.D

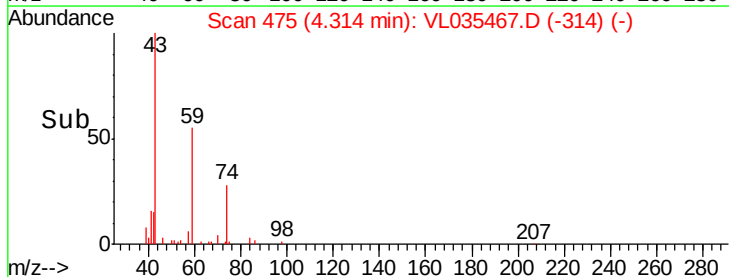
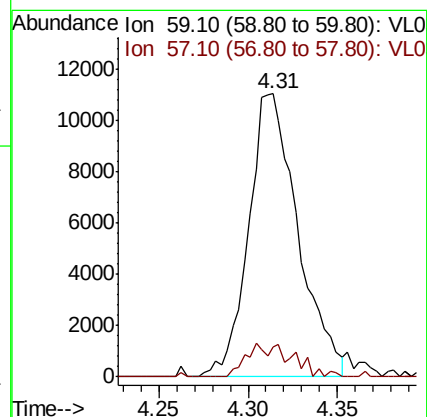
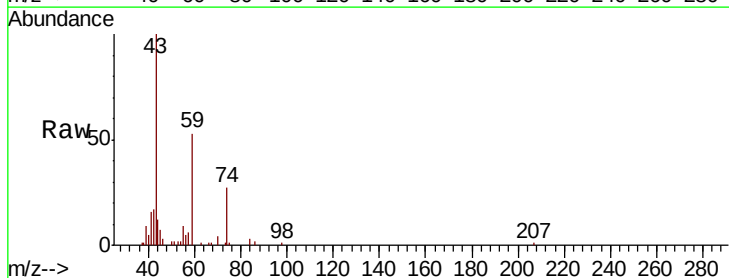
Acq: 19 Aug 2020 13:09

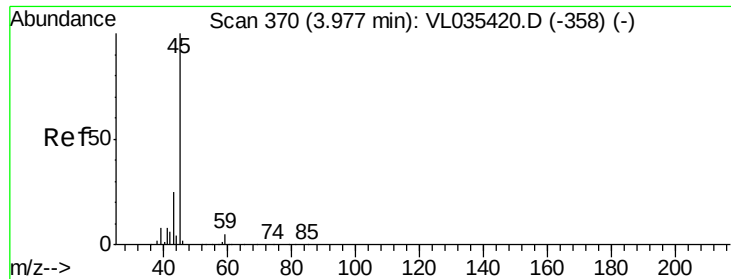
Tgt Ion: 59 Resp: 21386

Ion Ratio Lower Upper

59 100

57 10.8 8.9 13.3





#19

Isopropyl Alcohol

Concen: 13.080 ppbv

RT: 3.97 min Scan# 369

Delta R.T. 0.00 min

Lab File: VL035467.D

Acq: 19 Aug 2020 13:09

Instrument :

MSVOA_L

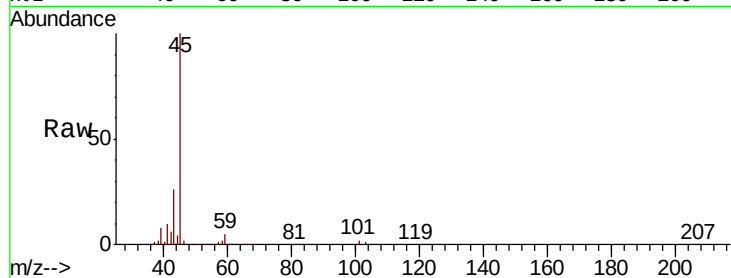
ClientSampleId :

Tot Ion: 45 Resp: 1091324

Ion Ratio Lower Upper

45 100

58 2.6 1.0 1.6#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.97

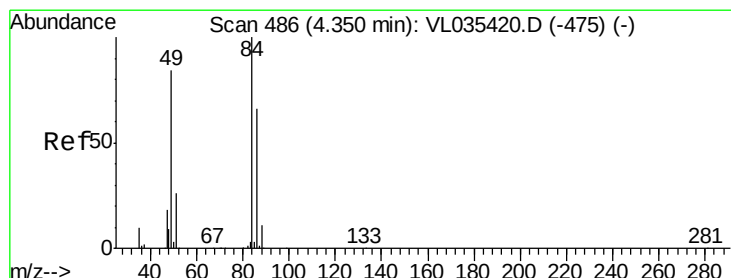
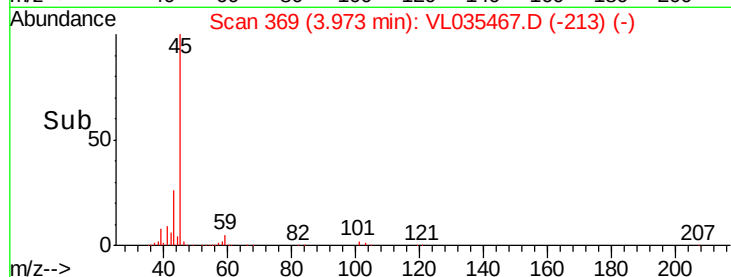
600000

400000

200000

0

Time-->



#20

Methylene Chloride

Concen: 2.588 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.00 min

Lab File: VL035467.D

Acq: 19 Aug 2020 13:09

Tgt Ion: 84 Resp: 252806

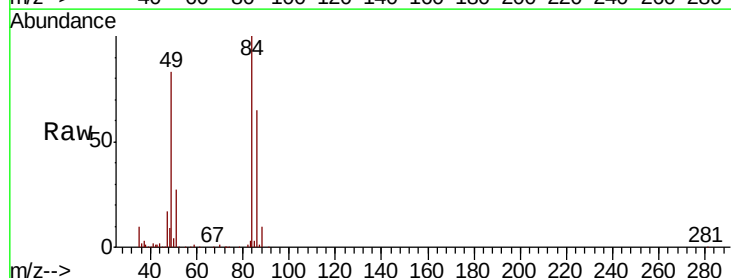
Ion Ratio Lower Upper

84 100

49 83.0 118.6 177.8#

51 26.8 36.4 54.6#

86 64.7 50.2 75.4



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

250000

200000

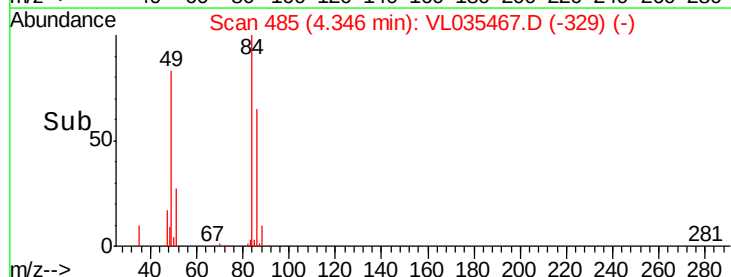
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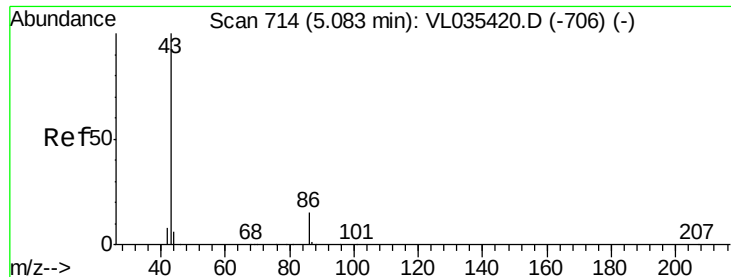
100000

50000

0

Time-->





#23

Vinyl Acetate

Concen: 0.266 ppbv

RT: 5.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VL035467.D

Acq: 19 Aug 2020 13:09

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 46026

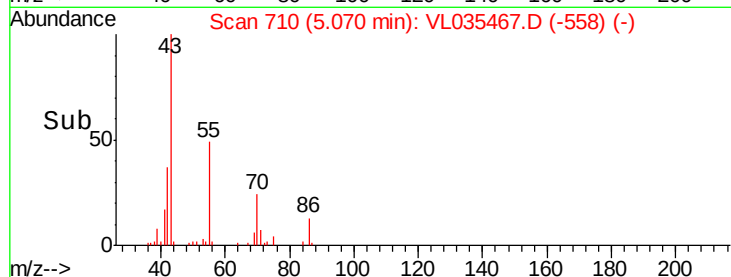
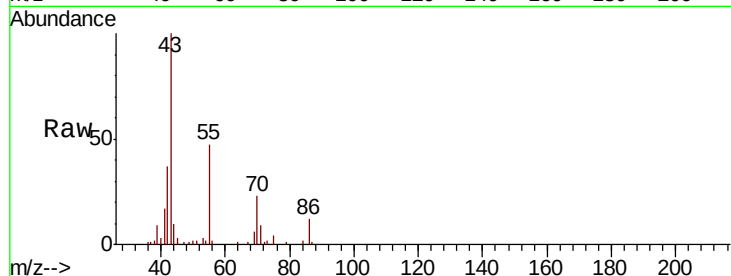
Ion Ratio Lower Upper

43 100

86 12.3 6.5 9.7#

42 35.1 8.3 12.5#

44 3.7 4.0 6.0#

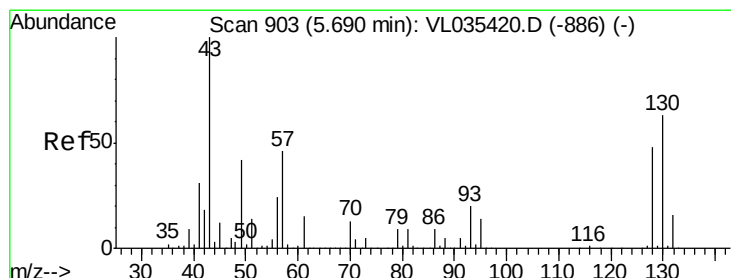
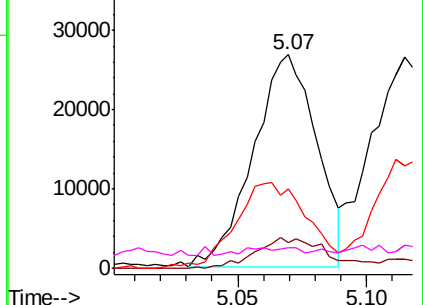


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.526 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.01 min

Lab File: VL035467.D

Acq: 19 Aug 2020 13:09

Tgt Ion: 43 Resp: 123965

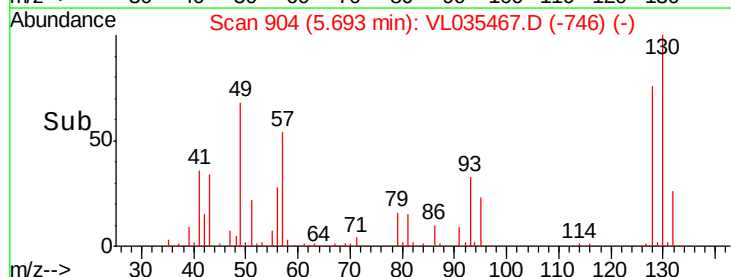
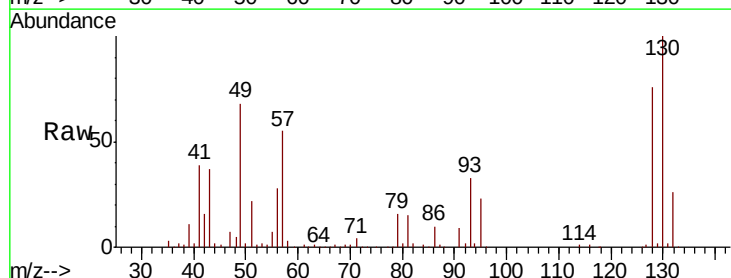
Ion Ratio Lower Upper

43 100

45 7.1 8.3 12.5#

61 4.3 7.6 11.4#

70 4.8 6.0 9.0#

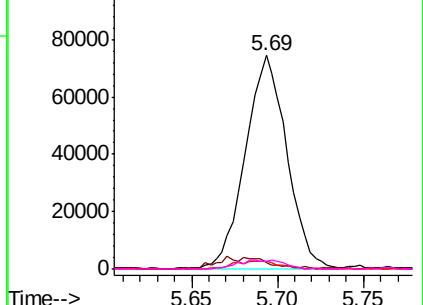


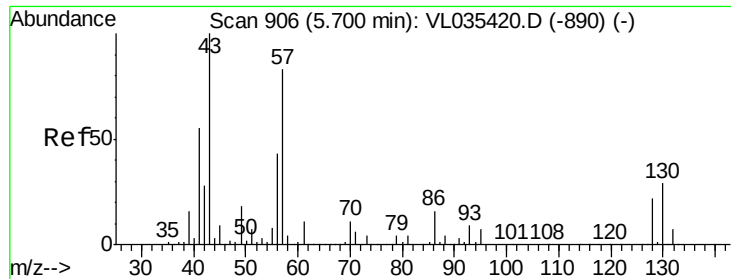
Abundance Ion 43.10 (42.80 to 43.80): VL0

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

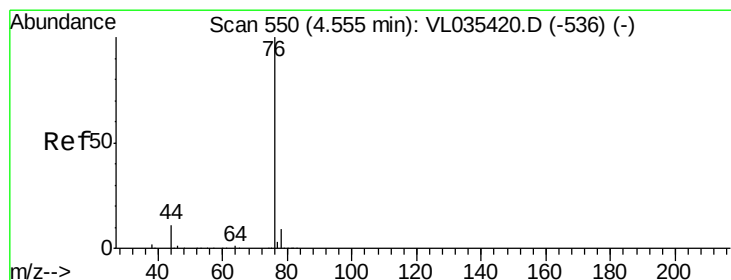
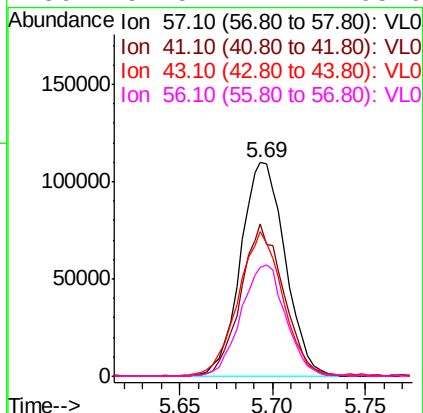
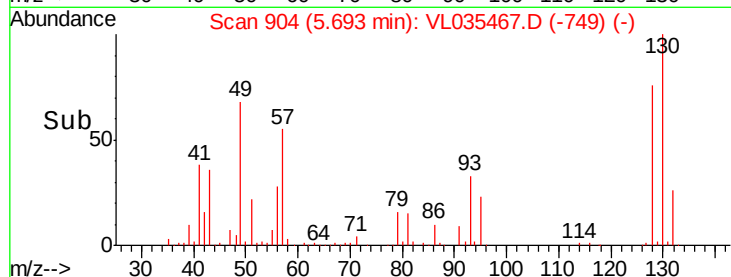
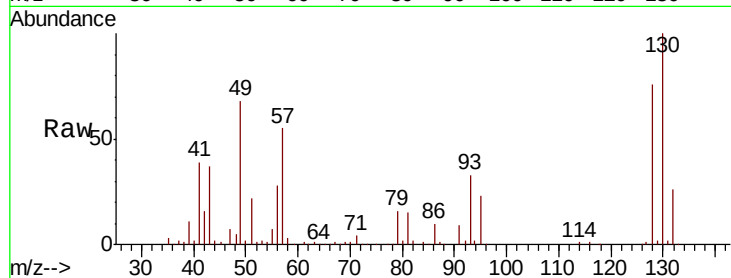




#26
Hexane
Concen: 1.384 ppbv
RT: 5.69 min Scan# 904
Delta R.T. -0.00 min
Lab File: VL035467.D
Acq: 19 Aug 2020 13:09

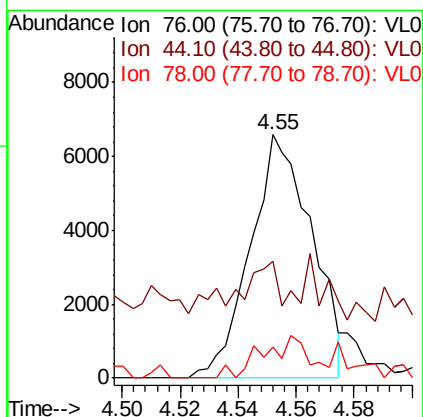
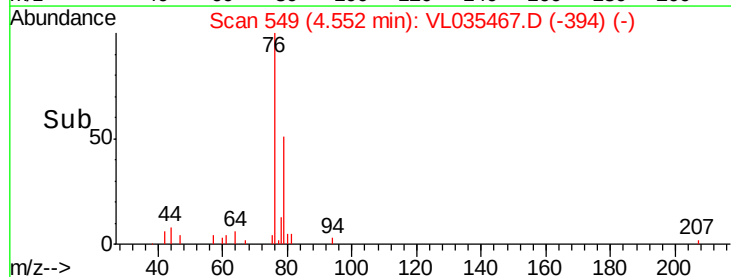
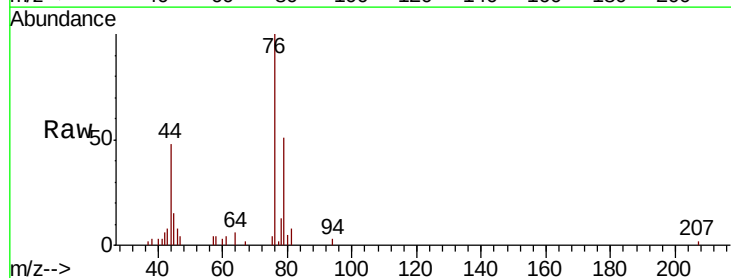
Instrument :
MSVOA_L
ClientSampleId :

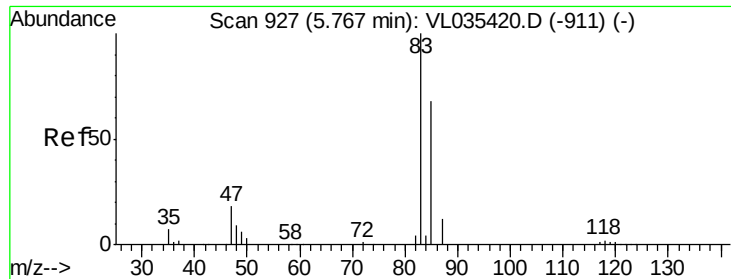
Tot Ion: 57 Resp: 183986
Ion Ratio Lower Upper
57 100
41 68.2 75.5 113.3#
43 68.6 181.7 272.5#
56 52.5 42.4 63.6



#27
Carbon Disulfide
Concen: 0.050 ppbv
RT: 4.55 min Scan# 549
Delta R.T. -0.00 min
Lab File: VL035467.D
Acq: 19 Aug 2020 13:09

Tgt Ion: 76 Resp: 9673
Ion Ratio Lower Upper
76 100
44 26.4 16.8 25.2#
78 19.2 7.3 10.9#

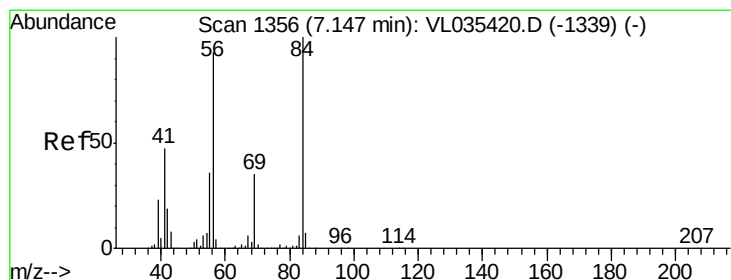
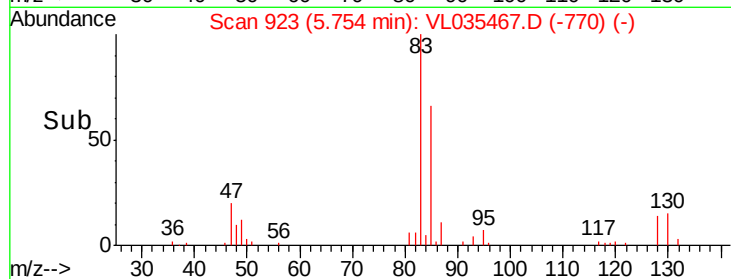
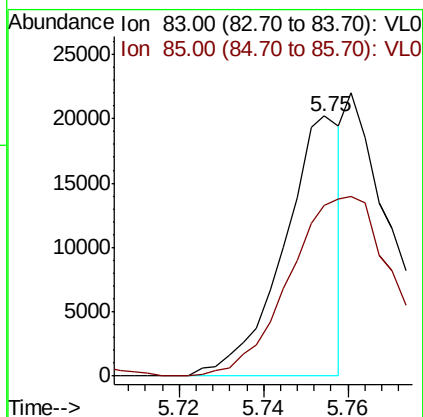
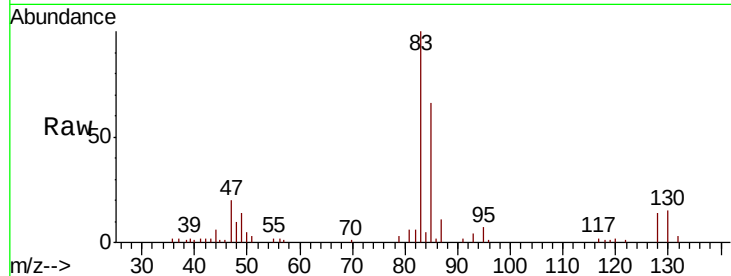




#29
Chloroform
Concen: 0.071 ppbv
RT: 5.75 min Scan# 923
Delta R.T. -0.01 min
Lab File: VL035467.D
Acq: 19 Aug 2020 13:09

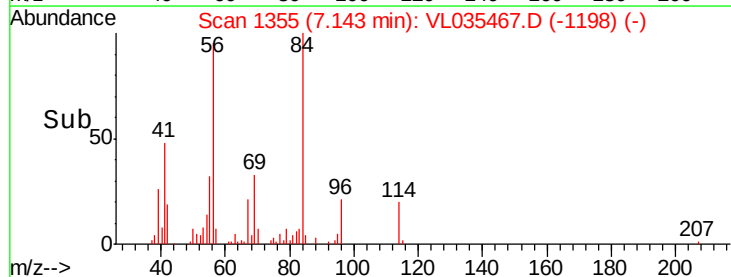
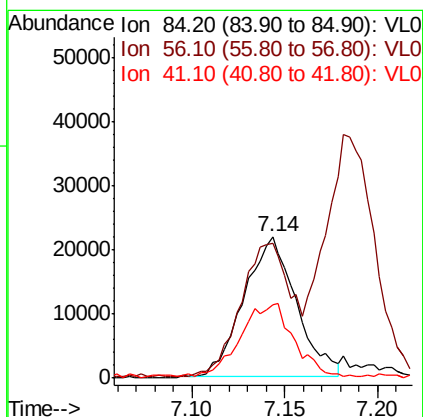
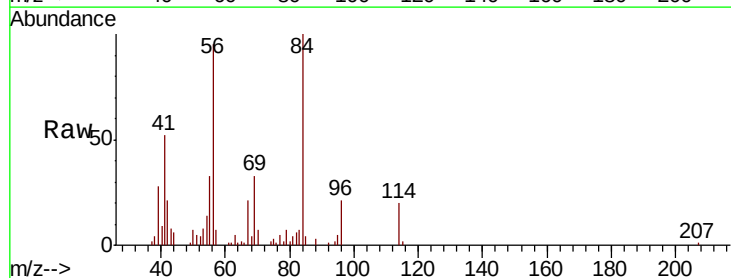
Instrument :
MSVOA_L
ClientSampleId :

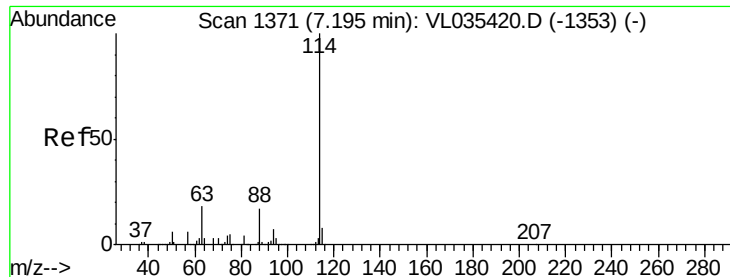
Tot Ion: 83 Resp: 19065
Ion Ratio Lower Upper
83 100
85 65.9 52.7 79.1



#30
Cyclohexane
Concen: 0.293 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. 0.01 min
Lab File: VL035467.D
Acq: 19 Aug 2020 13:09

Tgt Ion: 84 Resp: 43143
Ion Ratio Lower Upper
84 100
56 83.6 114.9 172.3#
41 53.6 72.3 108.5#

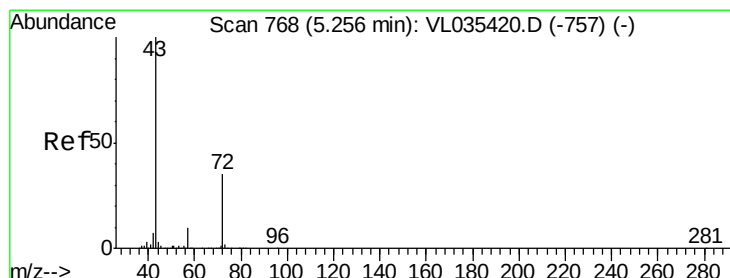
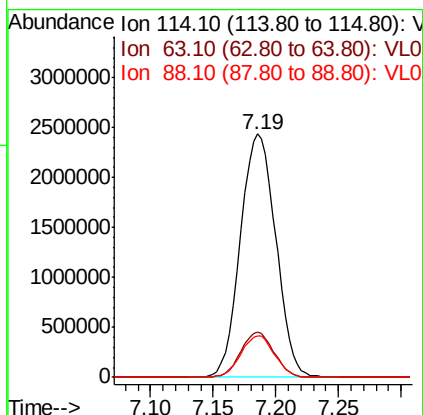
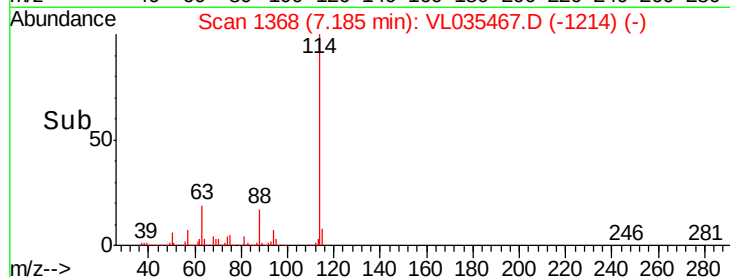
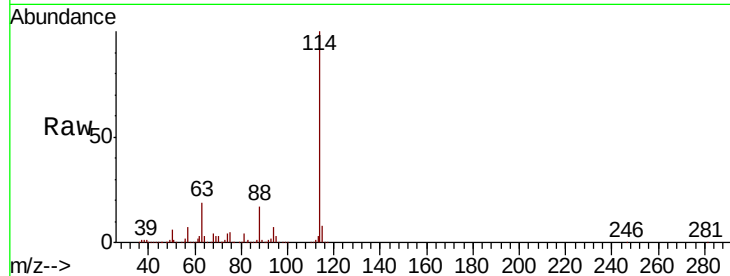




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VL035467.D
 Acq: 19 Aug 2020 13:09

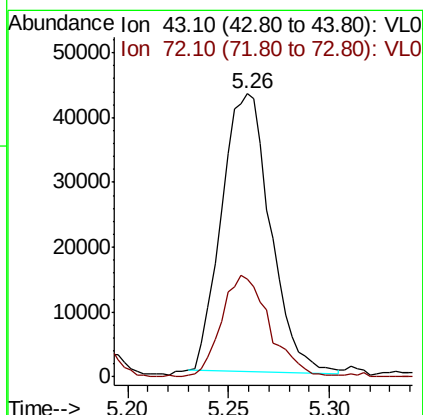
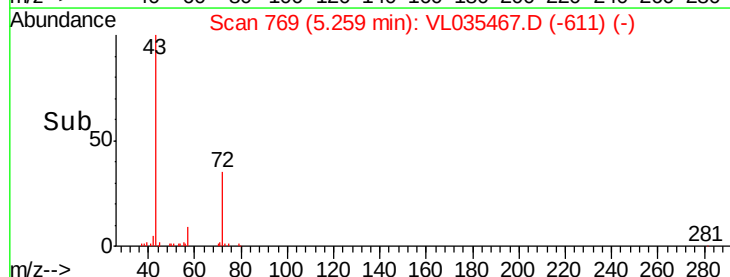
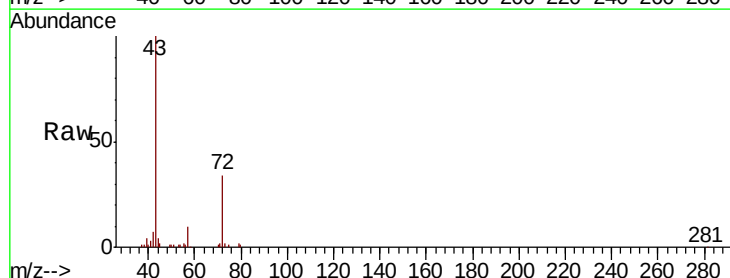
Instrument :
 MSVOA_L
 ClientSampleId :

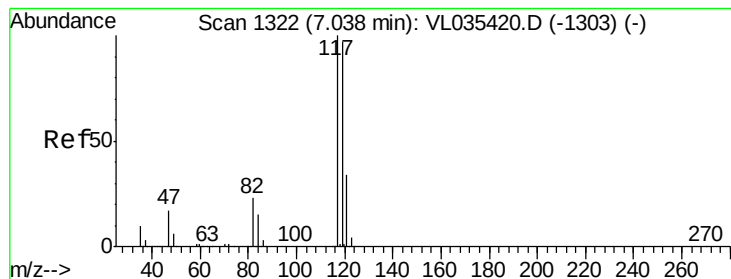
Tot Ion:114 Resp: 4794586
 Ion Ratio Lower Upper
 114 100
 63 17.6 23.1 34.7#
 88 16.4 15.9 23.9



#34
 2-Butanone
 Concen: 0.454 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. 0.01 min
 Lab File: VL035467.D
 Acq: 19 Aug 2020 13:09

Tgt Ion: 43 Resp: 72799
 Ion Ratio Lower Upper
 43 100
 72 36.3 17.6 26.4#





#35

Carbon Tetrachloride

Concen: 0.067 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. -0.00 min

Lab File: VL035467.D

Acq: 19 Aug 2020 13:09

Instrument :

MSVOA_L

ClientSampleId :

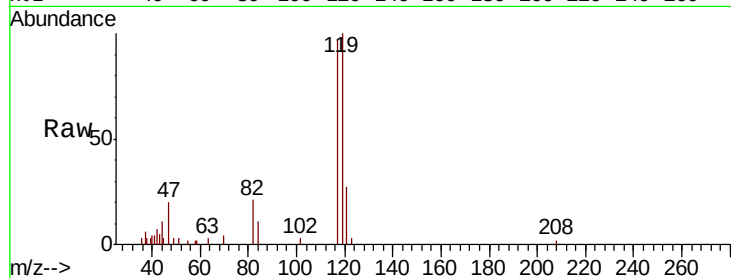
Tot Ion:117 Resp: 17154

Ion Ratio Lower Upper

117 100

119 103.5 76.1 114.1

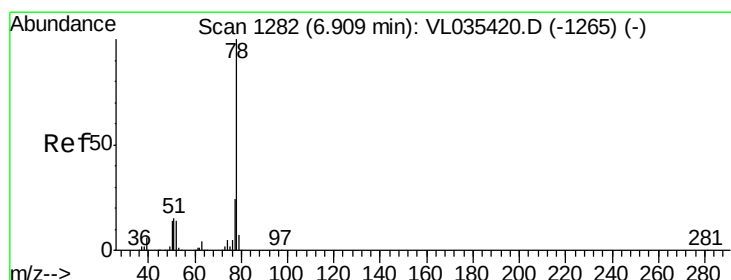
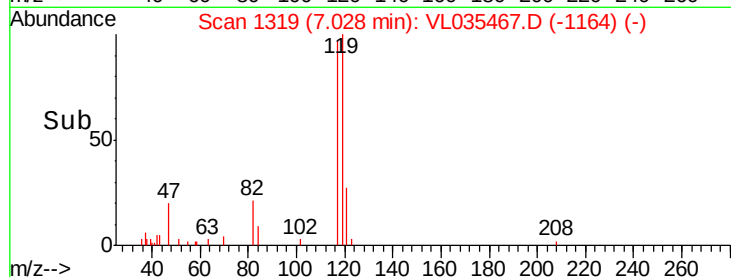
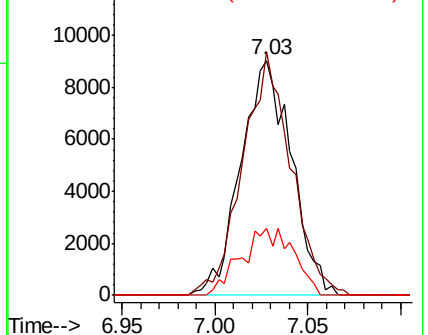
121 28.4 25.5 38.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.072 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. -0.00 min

Lab File: VL035467.D

Acq: 19 Aug 2020 13:09

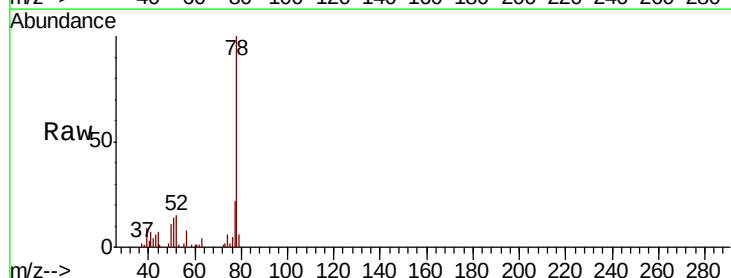
Tgt Ion: 78 Resp: 25344

Ion Ratio Lower Upper

78 100

77 22.1 19.6 29.4

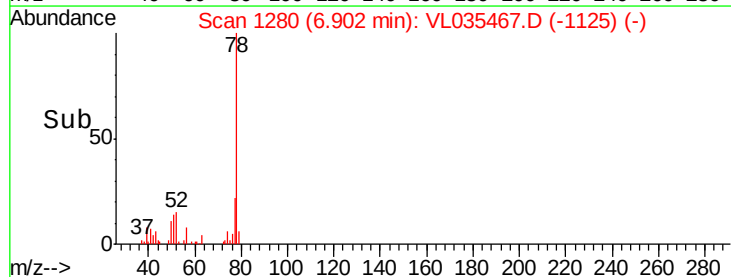
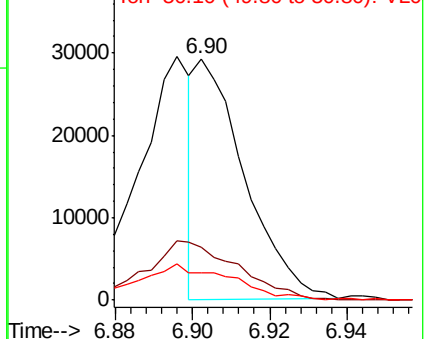
50 10.4 16.3 24.5#

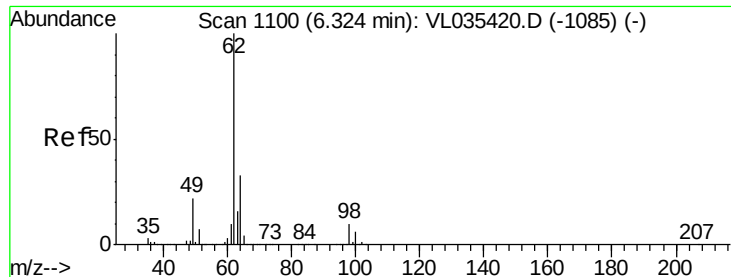


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

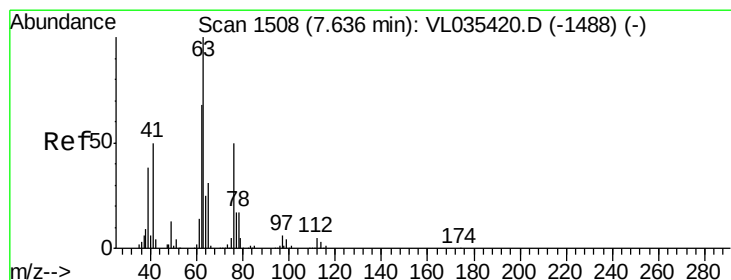
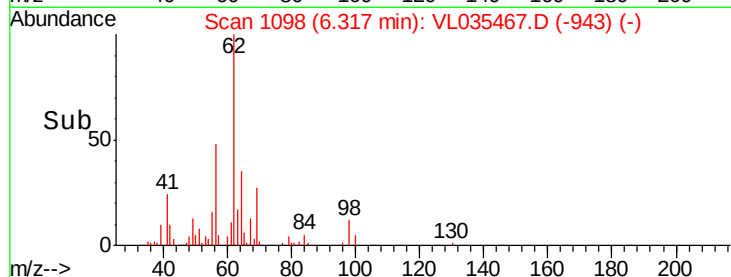
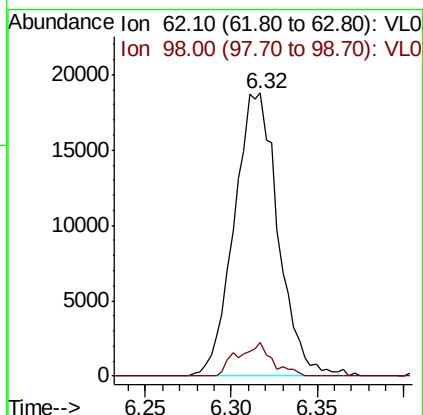
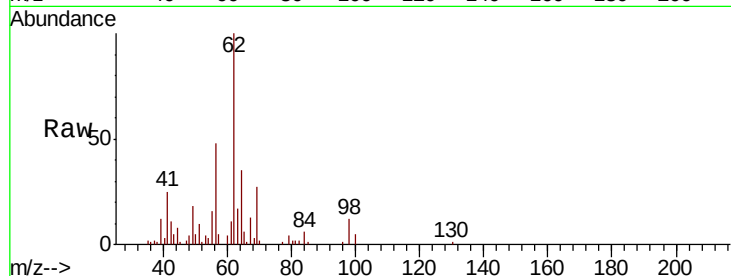




#37
 1,2-Dichloroethane
 Concen: 0.207 ppbv
 RT: 6.32 min Scan# 1098
 Delta R.T. -0.00 min
 Lab File: VL035467.D
 Acq: 19 Aug 2020 13:09

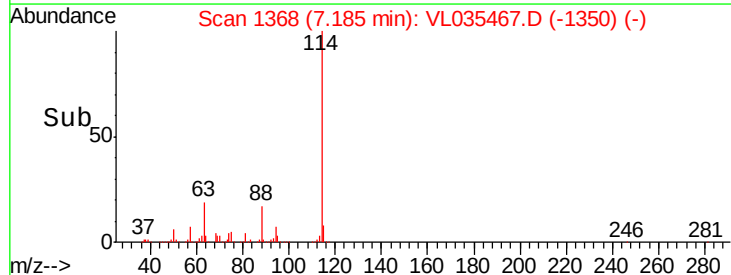
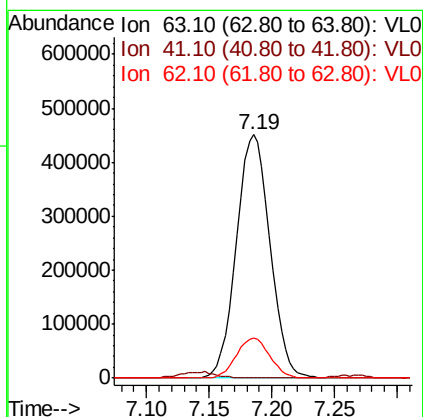
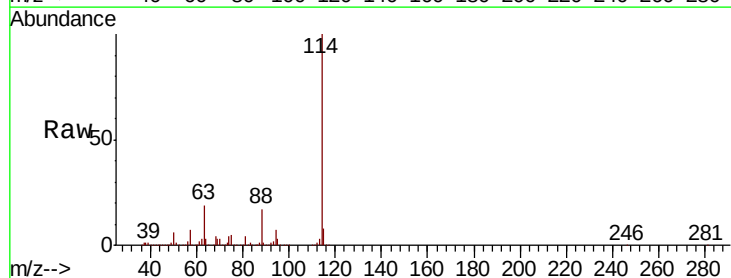
Instrument :
 MSVOA_L
 ClientSampleId :

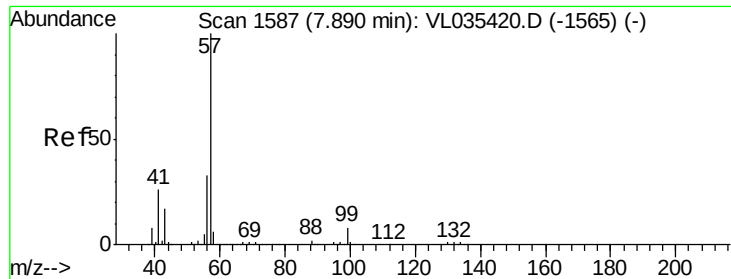
Tot Ion: 62 Resp: 33295
 Ion Ratio Lower Upper
 62 100
 98 9.5 4.6 7.0#



#39
 1,2-Dichloropropane
 Concen: 7.240 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. -0.44 min
 Lab File: VL035467.D
 Acq: 19 Aug 2020 13:09

Tgt Ion: 63 Resp: 839715
 Ion Ratio Lower Upper
 63 100
 41 0.0 61.1 91.7#
 62 16.4 55.3 82.9#

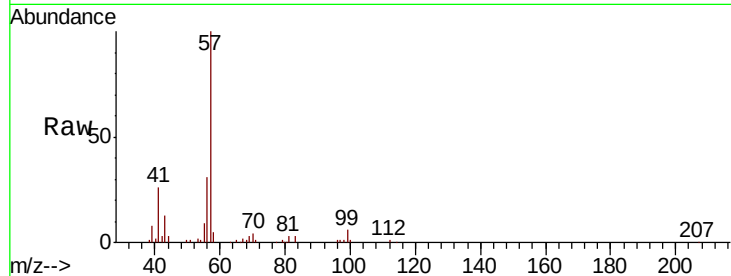




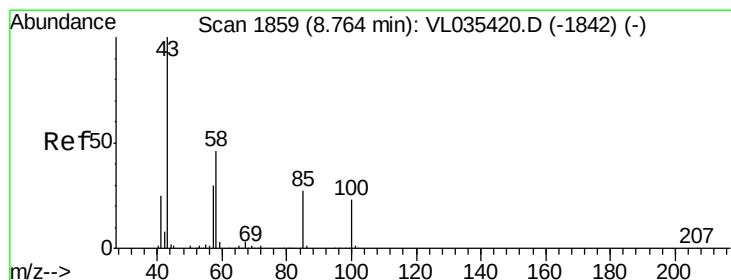
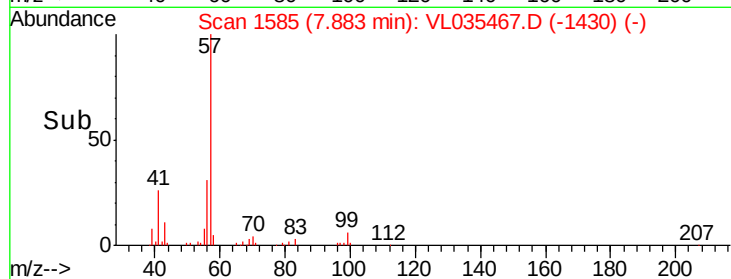
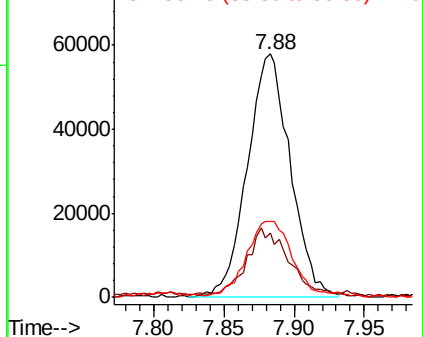
#44
 2,2,4-Trimethylpentane
 Concen: 0.269 ppbv
 RT: 7.88 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VL035467.D
 Acq: 19 Aug 2020 13:09

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion	57	Resp	123564
Ion Ratio	Lower	Upper	
57	100		
41	27.3	27.2	40.8
56	34.2	25.4	38.0

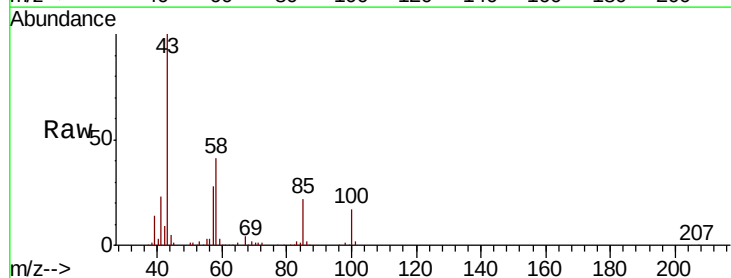


Abundance Ion 57.10 (56.80 to 57.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 56.10 (55.80 to 56.80): VL0

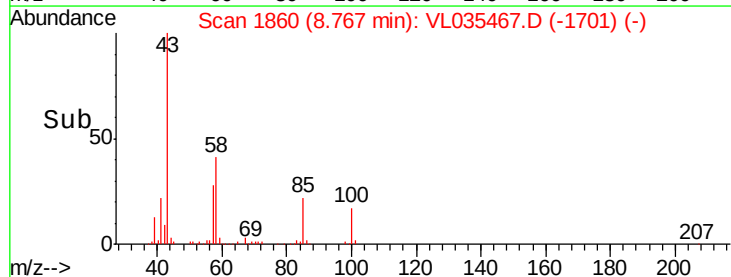
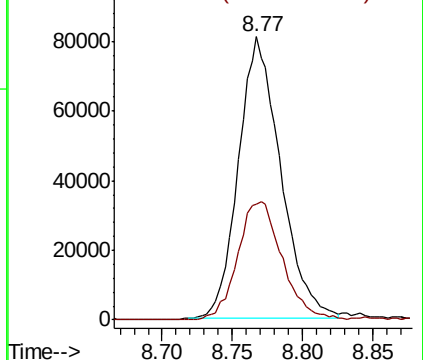


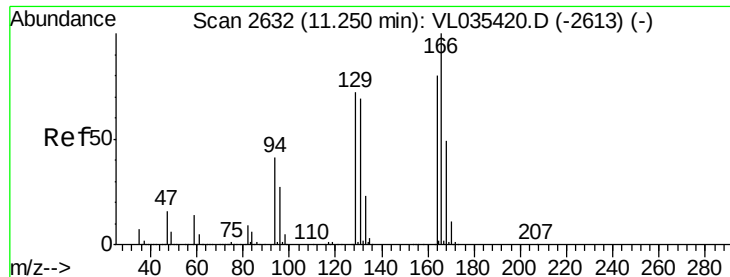
#50
 4-Methyl-2-Pentanone
 Concen: 0.734 ppbv
 RT: 8.77 min Scan# 1860
 Delta R.T. 0.01 min
 Lab File: VL035467.D
 Acq: 19 Aug 2020 13:09

Tgt Ion	43	Resp	168744
Ion Ratio	Lower	Upper	
43	100		
58	44.8	28.7	43.1#



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





#52

Tetrachloroethene

Concen: 0.030 ppbv

RT: 11.25 min Scan# 2631

Delta R.T. 0.00 min

Lab File: VL035467.D

Acq: 19 Aug 2020 13:09

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:164 Resp: 6477

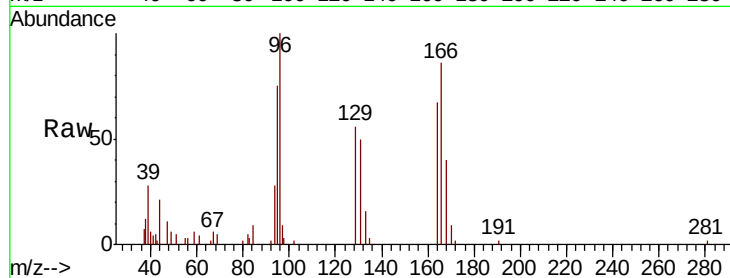
Ion Ratio Lower Upper

164 100

166 128.9 103.4 155.0

129 84.3 90.2 135.4#

131 74.7 91.7 137.5#

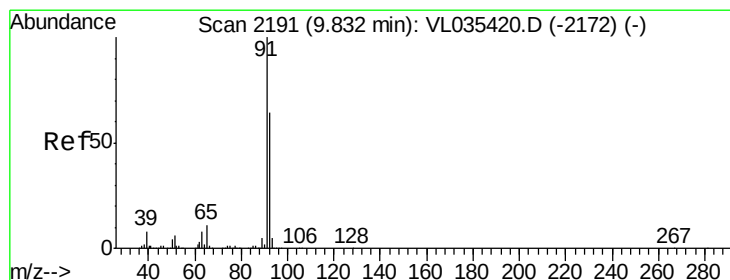
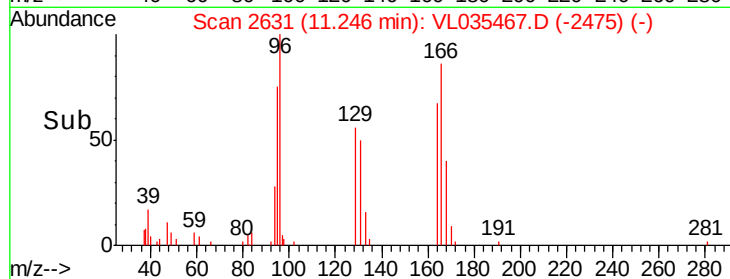
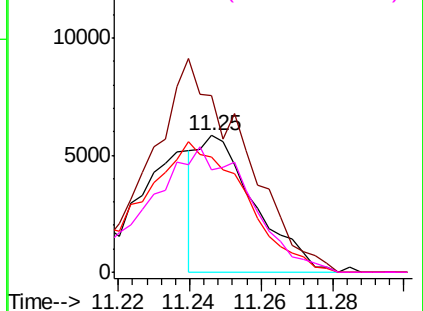


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 0.869 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. -0.00 min

Lab File: VL035467.D

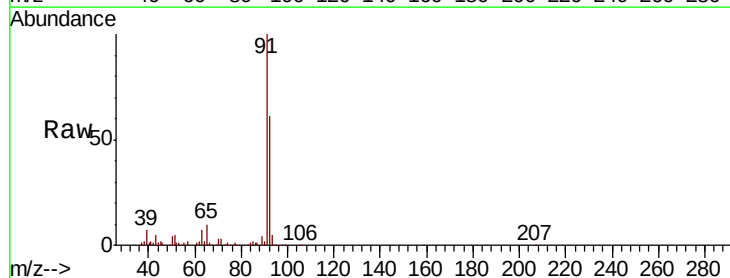
Acq: 19 Aug 2020 13:09

Tgt Ion: 91 Resp: 393971

Ion Ratio Lower Upper

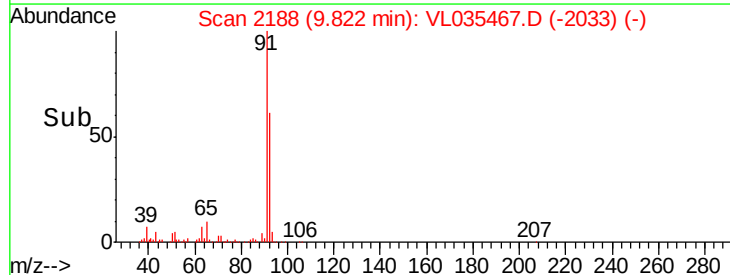
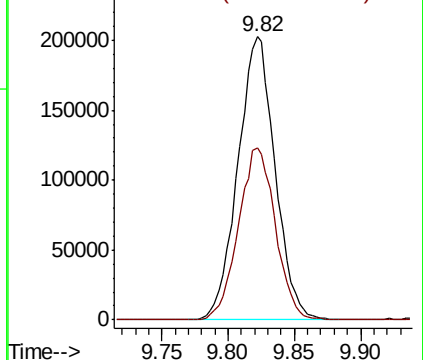
91 100

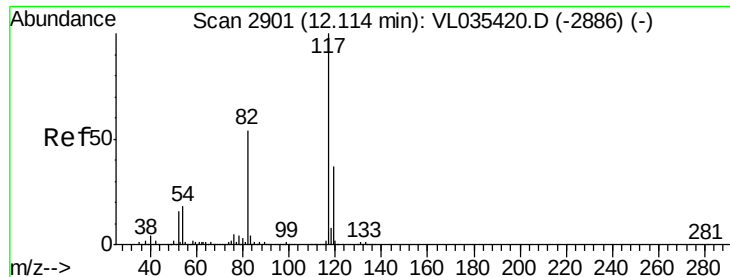
92 60.7 49.1 73.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

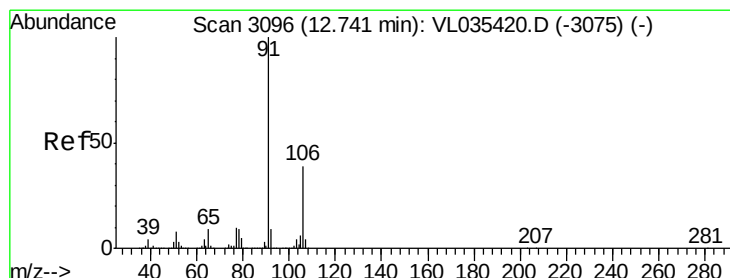
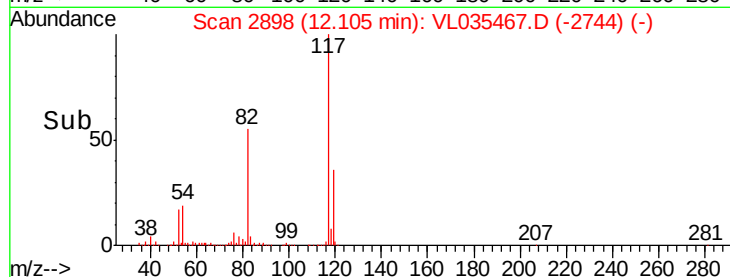
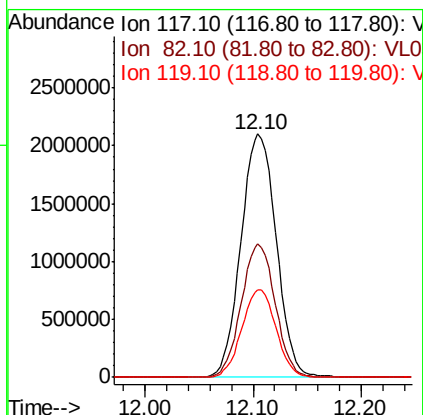
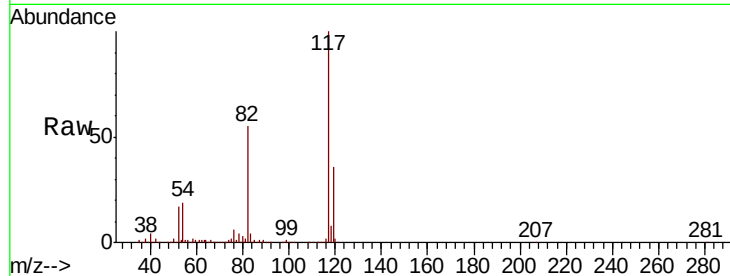




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.00 min
Lab File: VL035467.D
Acq: 19 Aug 2020 13:09

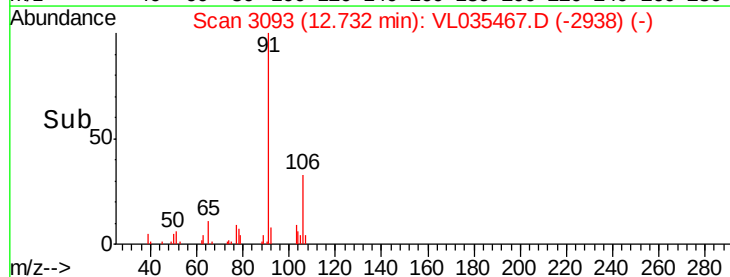
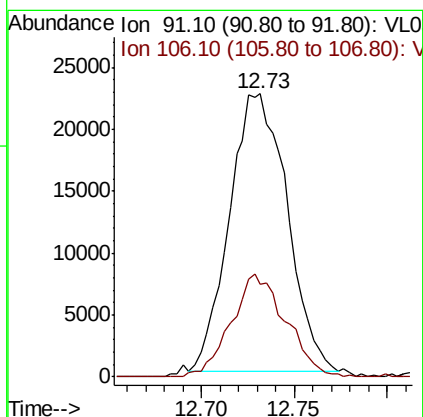
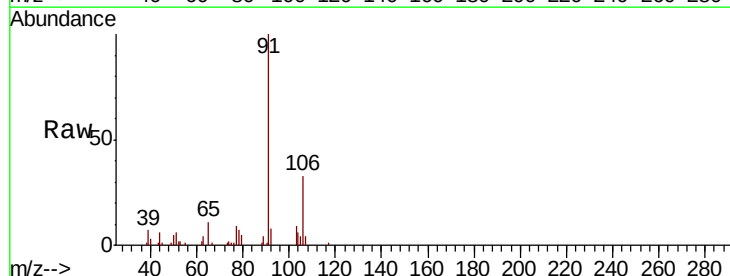
Instrument :
MSVOA_L
ClientSampleId :

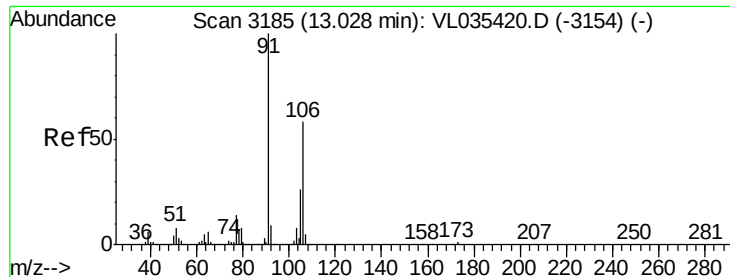
Tot Ion:117 Resp: 4795359
Ion Ratio Lower Upper
117 100
82 52.8 57.4 86.0#
119 35.1 28.4 42.6



#58
Ethyl Benzene
Concen: 0.084 ppbv
RT: 12.73 min Scan# 3093
Delta R.T. -0.00 min
Lab File: VL035467.D
Acq: 19 Aug 2020 13:09

Tgt Ion: 91 Resp: 48792
Ion Ratio Lower Upper
91 100
106 32.2 24.1 36.1





#59

m/p-Xylene

Concen: 0.219 ppbv

RT: 12.99 min Scan# 3173

Delta R.T. -0.03 min

Lab File: VL035467.D

Acq: 19 Aug 2020 13:09

Instrument :

MSVOA_L

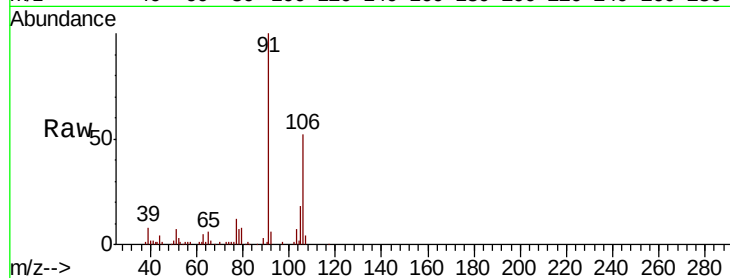
ClientSampleId :

Tot Ion: 91 Resp: 107324

Ion Ratio Lower Upper

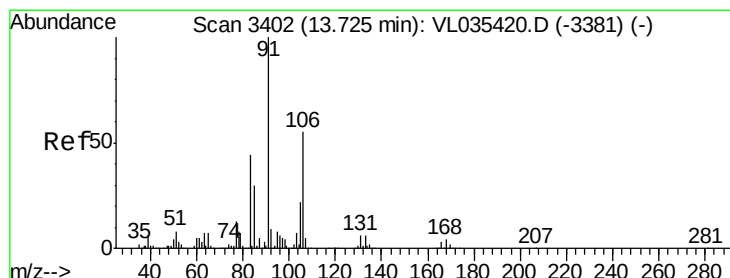
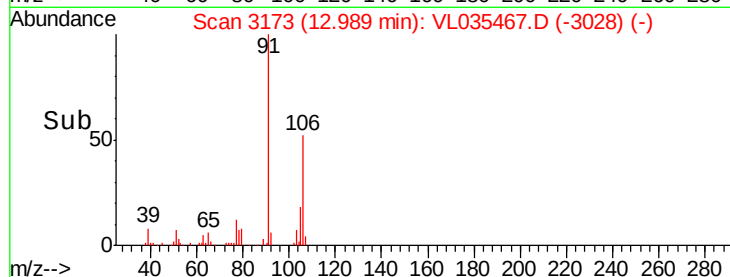
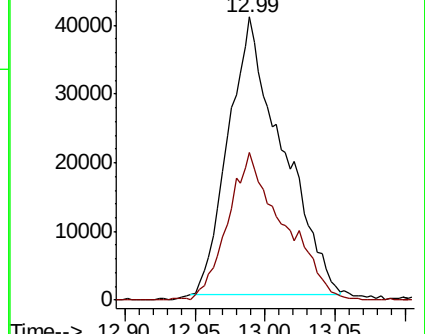
91 100

106 55.2 34.0 51.0#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 0.060 ppbv

RT: 13.71 min Scan# 3398

Delta R.T. -0.00 min

Lab File: VL035467.D

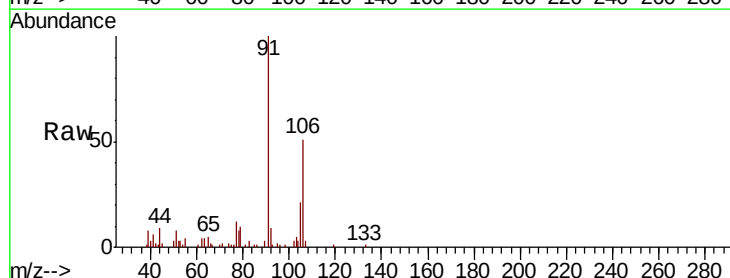
Acq: 19 Aug 2020 13:09

Tgt Ion: 91 Resp: 28679

Ion Ratio Lower Upper

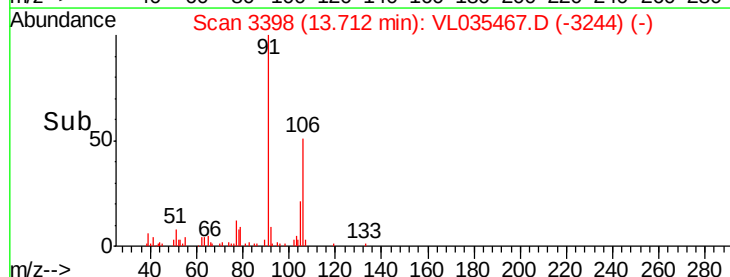
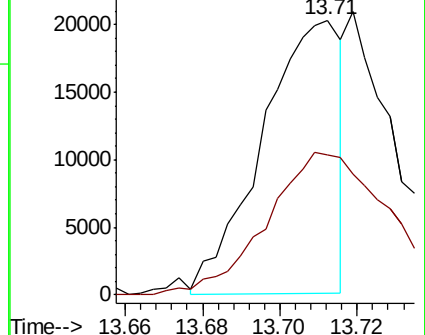
91 100

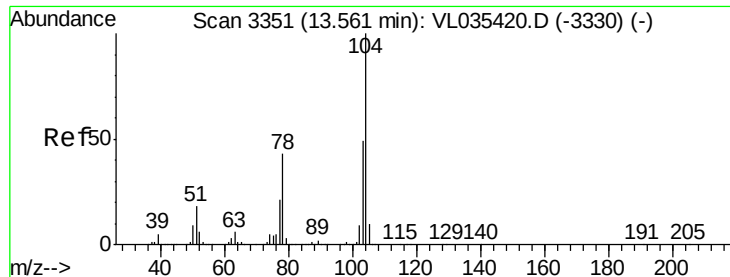
106 82.0 21.8 65.3#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Stvrene

Concen: 0.127 ppbv

RT: 13.55 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VL035467.D

Acq: 19 Aug 2020 13:09

Instrument :

MSVOA_L

ClientSampleId :

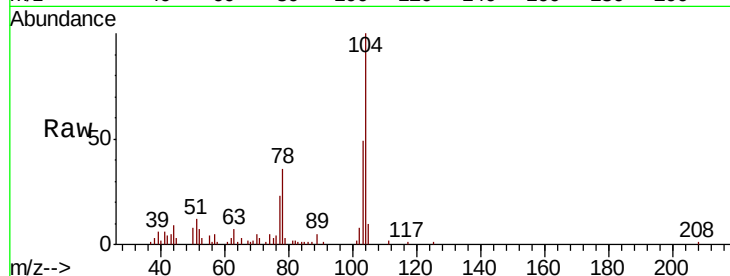
Tot Ion:104 Resp: 48839

Ion Ratio Lower Upper

104 100

78 42.8 45.4 68.2#

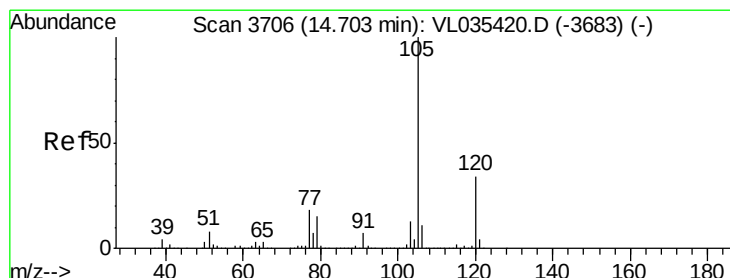
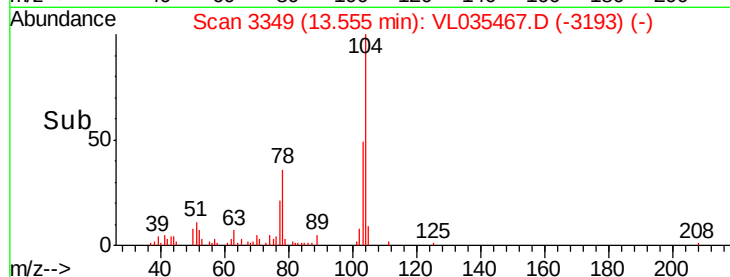
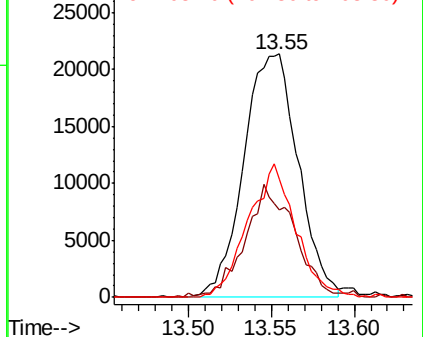
103 48.3 37.8 56.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 0.060 ppbv

RT: 14.69 min Scan# 3701

Delta R.T. -0.01 min

Lab File: VL035467.D

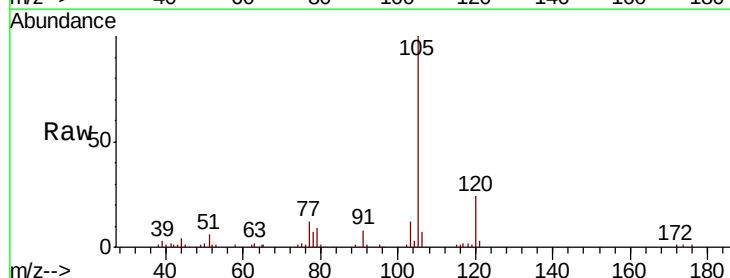
Acq: 19 Aug 2020 13:09

Tgt Ion:105 Resp: 46893

Ion Ratio Lower Upper

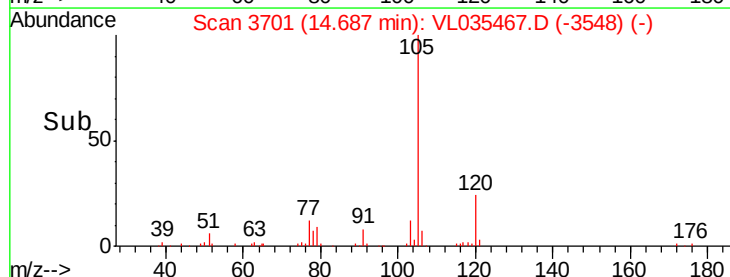
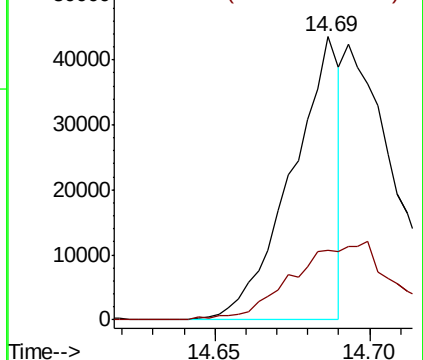
105 100

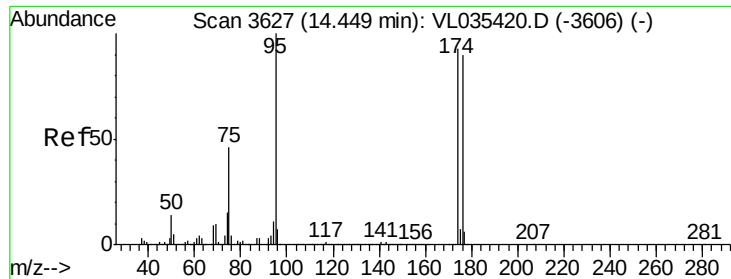
120 0.0 20.3 30.5#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.330 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. -0.00 min

Lab File: VL035467.D

Acq: 19 Aug 2020 13:09

Instrument :

MSVOA_L

ClientSampleId :

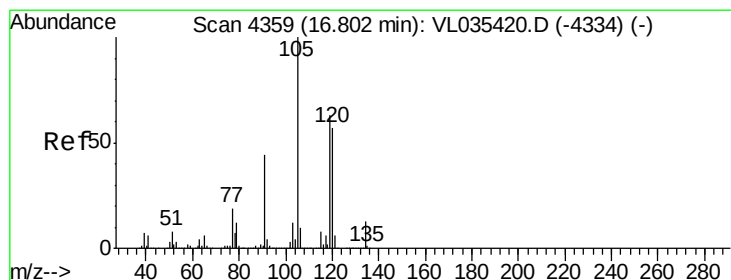
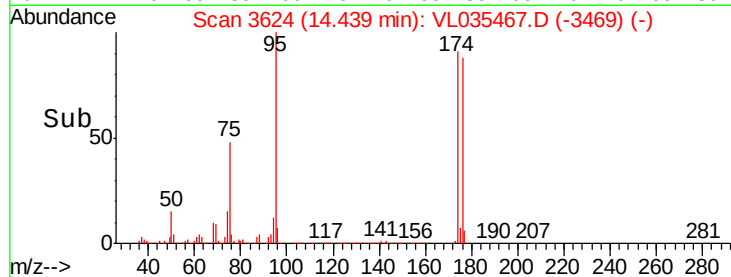
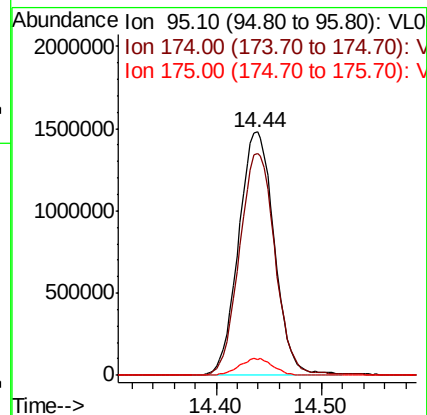
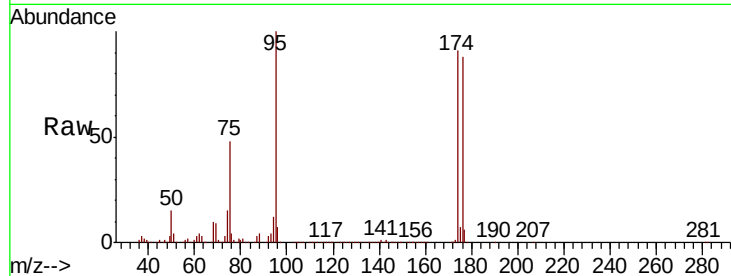
Tot Ion: 95 Resp: 3467885

Ion Ratio Lower Upper

95 100

174 92.2 44.0 66.0#

175 6.8 3.2 4.8#



#74

1,2,4-Trimethylbenzene

Concen: 0.113 ppbv

RT: 16.79 min Scan# 4354

Delta R.T. -0.01 min

Lab File: VL035467.D

Acq: 19 Aug 2020 13:09

Tgt Ion: 105 Resp: 71383

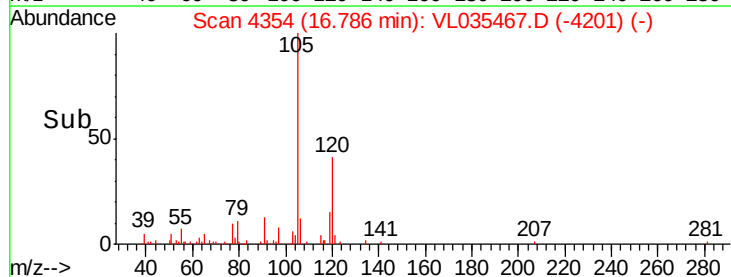
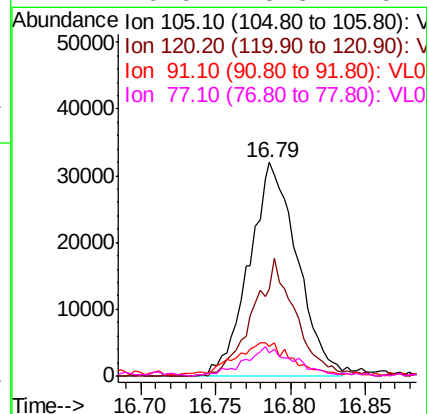
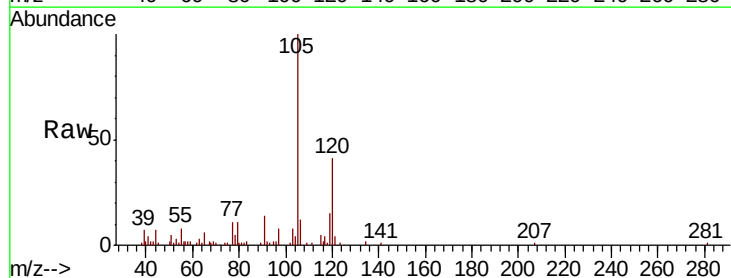
Ion Ratio Lower Upper

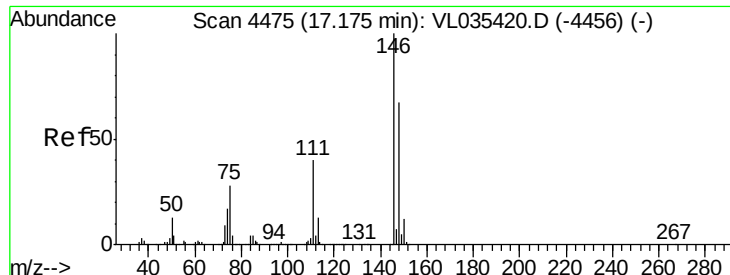
105 100

120 40.9 37.8 56.8

91 13.2 40.0 60.0#

77 10.5 18.8 28.2#





#76

1,4-Dichlorobenzene

Concen: 0.081 ppbv

RT: 17.17 min Scan# 4472

Delta R.T. -0.00 min

Lab File: VL035467.D

Acq: 19 Aug 2020 13:09

Instrument :

MSVOA_L

ClientSampleId :

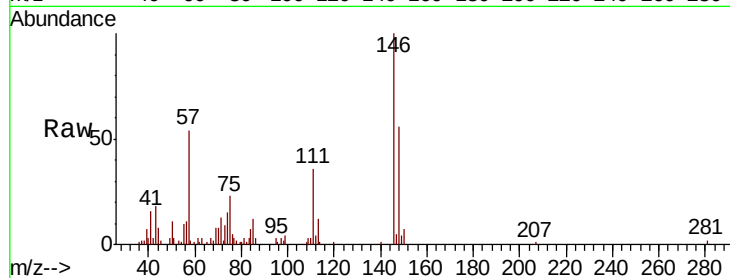
Tot Ion:146 Resp: 38873

Ion Ratio Lower Upper

146 100

111 44.4 24.8 74.4

148 61.0 32.1 96.3



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

