

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080620\
 Data File : VL035363.D
 Acq On : 6 Aug 2020 23:49
 Operator : SY/AP
 Sample : L3554-05
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 07 06:30:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 05 13:04:46 2020
 QLast Update : Wed Aug 05 13:04:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1372113	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3451224	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	3247049	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2785230	10.29	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.90%

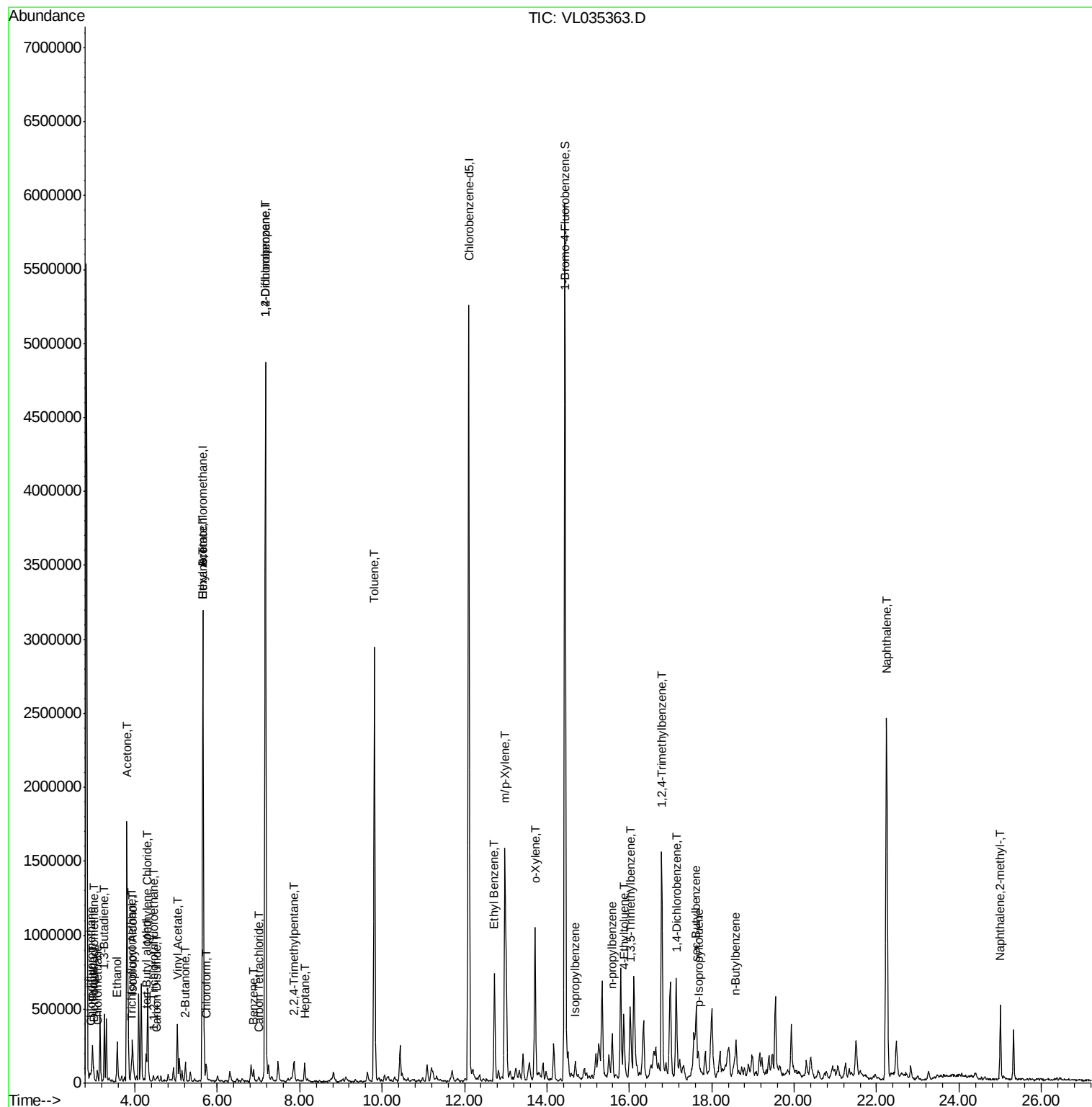
Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	58857	0.322 ppbv #	85
3) Chlorodifluoromethane	2.93	51	83927	0.536 ppbv #	86
4) Chloromethane	3.09	50	51422	0.580 ppbv #	85
9) Propene	2.96	41	52781	0.946 ppbv	87
10) Heptane	8.12	43	33668	0.236 ppbv	93
11) Trichlorofluoromethane	3.91	101	50911	0.215 ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.45	101	10448	0.062 ppbv #	81
13) Ethanol	3.57	45	282631	14.682 ppbv	94
15) Acetone	3.81	43	1821718	9.349 ppbv	97
16) 1,3-Butadiene	3.26	39	119838	1.598 ppbv #	15
17) tert-Butyl alcohol	4.27	59	117583	0.657 ppbv	95
19) Isopropyl Alcohol	3.94	45	277385	2.246 ppbv #	93
20) Methylene Chloride	4.31	84	199063	2.505 ppbv	97
23) Vinyl Acetate	5.03	43	80279	0.430 ppbv #	1
25) Ethyl Acetate	5.66	43	131031	0.443 ppbv #	84
26) Hexane	5.66	57	147629	1.150 ppbv #	47
27) Carbon Disulfide	4.52	76	12317	0.069 ppbv #	32
29) Chloroform	5.74	83	72304	0.327 ppbv #	82
34) 2-Butanone	5.22	43	124055	0.730 ppbv	95
35) Carbon Tetrachloride	7.01	117	8941	0.038 ppbv #	50
36) Benzene	6.88	78	61313	0.263 ppbv	96
39) 1,2-Dichloropropane	7.17	63	898935	9.528 ppbv #	23
44) 2,2,4-Trimethylpentane	7.86	57	44668	0.108 ppbv #	7
53) Toluene	9.81	91	2174518	8.577 ppbv	100
58) Ethyl Benzene	12.73	91	583934	1.728 ppbv #	87
59) m/p-Xylene	12.98	91	1527697	4.856 ppbv	98
60) o-Xylene	13.71	91	761188	2.438 ppbv	97
62) Isopropylbenzene	14.69	105	84083	0.179 ppbv	96
64) n-propylbenzene	15.57	120	15090	0.119 ppbv #	1
67) sec-Butylbenzene	17.63	105	125255	0.206 ppbv	92
69) p-Isopropyltoluene	17.68	119	73165	0.147 ppbv #	93
70) n-Butylbenzene	18.58	91	30471	0.057 ppbv #	32
72) 4-Ethyltoluene	15.86	105	257059	0.722 ppbv #	96
73) 1,3,5-Trimethylbenzene	16.02	105	309883	0.907 ppbv	97
74) 1,2,4-Trimethylbenzene	16.79	105	1040252	2.665 ppbv #	71
76) 1,4-Dichlorobenzene	17.16	146	10064	0.043 ppbv #	23
79) Naphthalene	22.24	128	3159446	10.522 ppbv	99
80) Naphthalene,2-methyl-	25.00	142	232975	3.411 ppbv	98

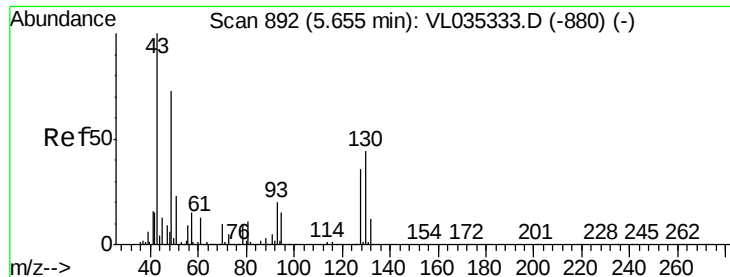
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080620\
Data File : VL035363.D
Acq On : 6 Aug 2020 23:49
Operator : SY/AP
Sample : L3554-05
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Aug 07 06:30:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 05 13:04:46 2020
QLast Update : Wed Aug 05 13:04:46 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.01 min

Lab File: VL035363.D

Acq: 6 Aug 2020 23:49

Instrument :
MSVOA_L
ClientSampleId :

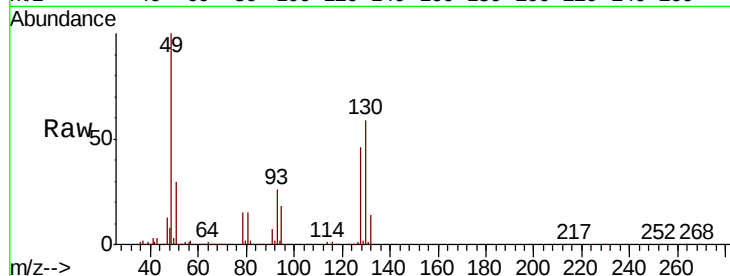
Tot Ion: 49 Resp: 1372113

Ion Ratio Lower Upper

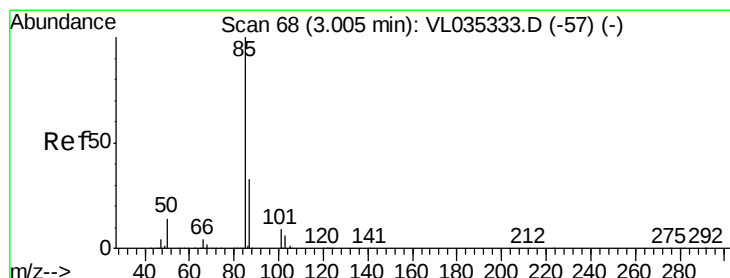
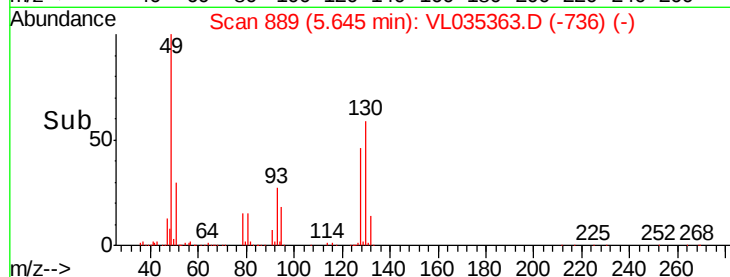
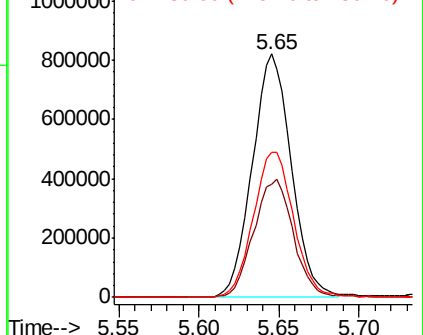
49 100

128 49.6 25.4 76.0

130 62.1 32.1 96.3



Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.322 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL035363.D

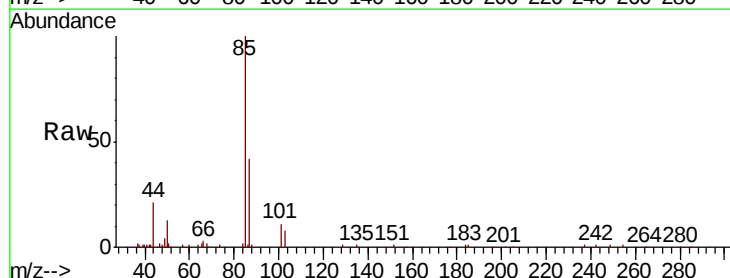
Acq: 6 Aug 2020 23:49

Tgt Ion: 85 Resp: 58857

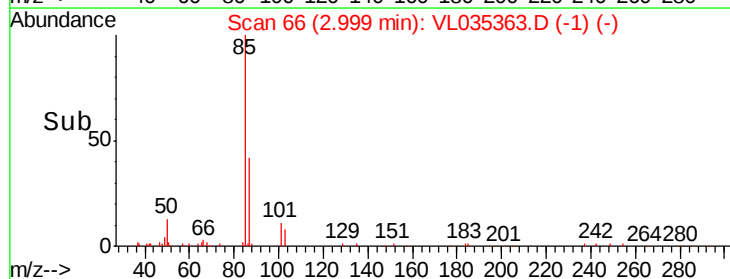
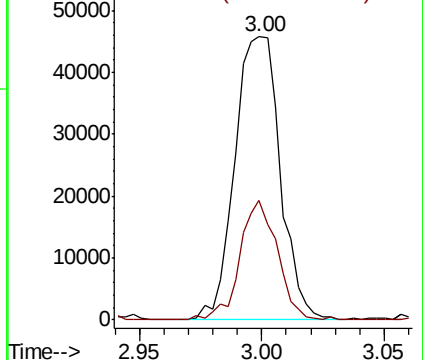
Ion Ratio Lower Upper

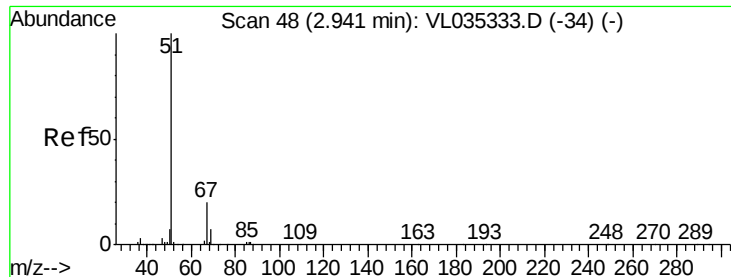
85 100

87 42.2 26.7 40.1#



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.536 ppbv

RT: 2.93 min Scan# 46

Delta R.T. -0.01 min

Lab File: VL035363.D

Acq: 6 Aug 2020 23:49

Instrument :

MSVOA_L

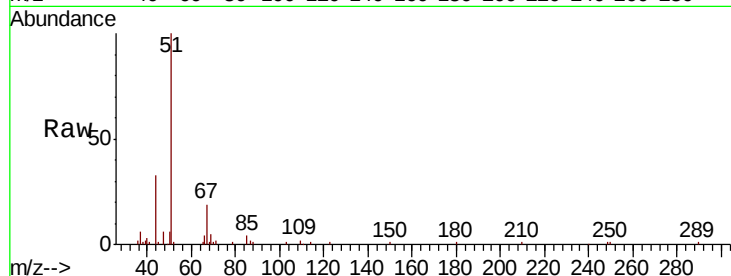
ClientSampleId :

Tot Ion: 51 Resp: 83927

Ion Ratio Lower Upper

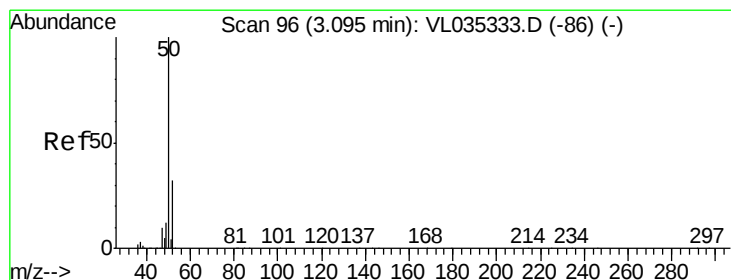
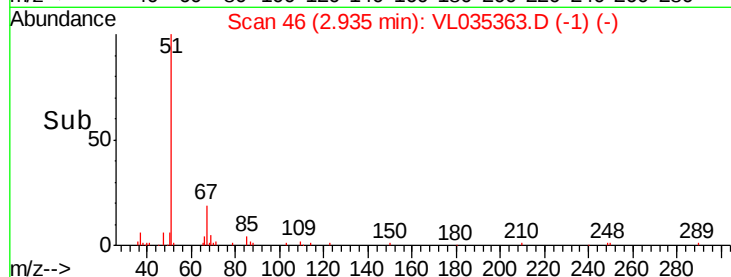
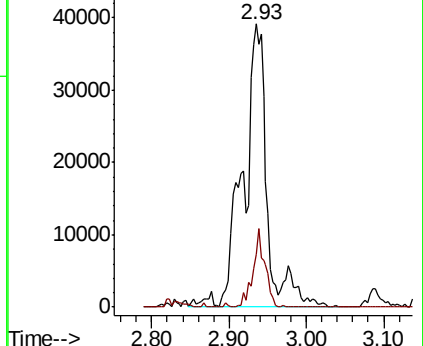
51 100

67 14.2 16.6 25.0#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.580 ppbv

RT: 3.09 min Scan# 94

Delta R.T. -0.01 min

Lab File: VL035363.D

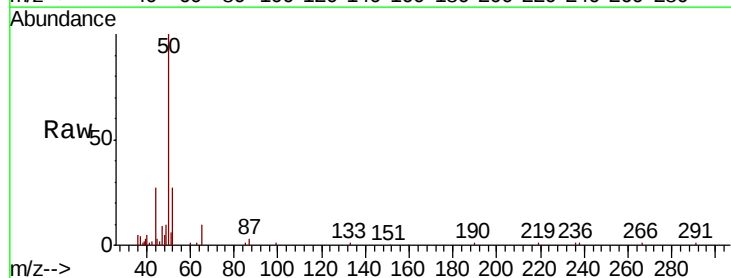
Acq: 6 Aug 2020 23:49

Tgt Ion: 50 Resp: 51422

Ion Ratio Lower Upper

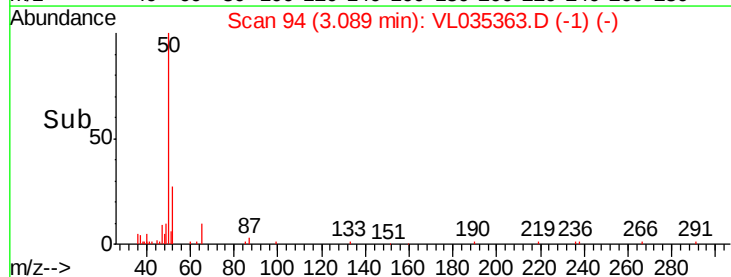
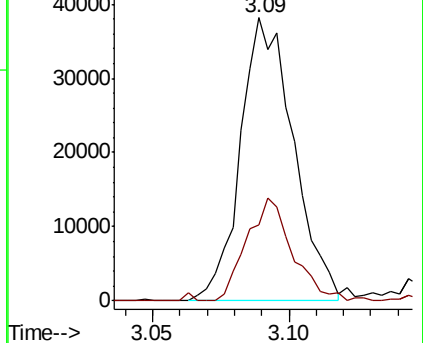
50 100

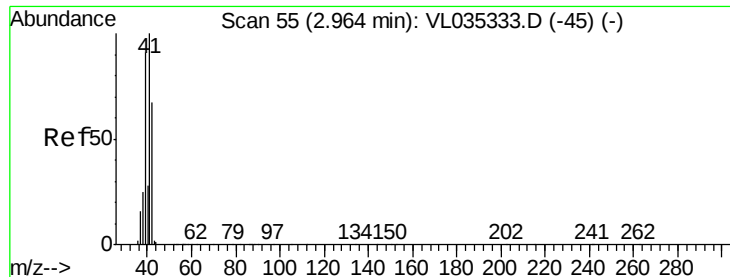
52 24.2 26.0 39.0#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

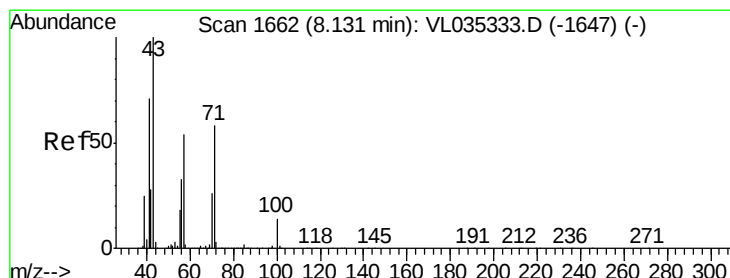
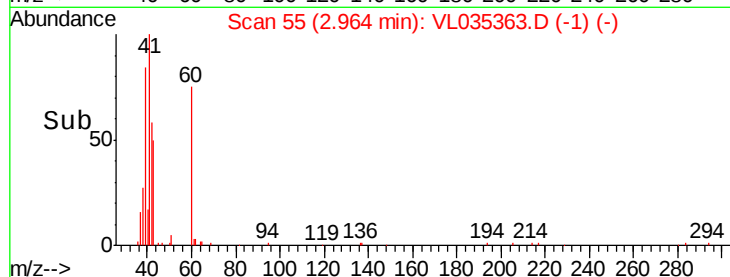
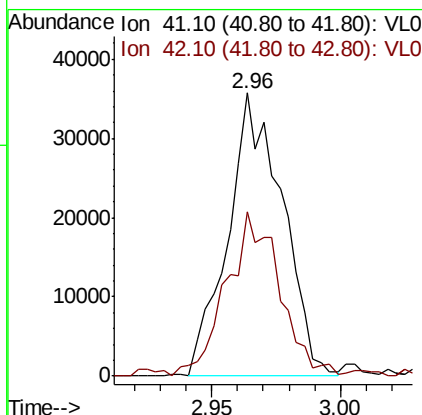
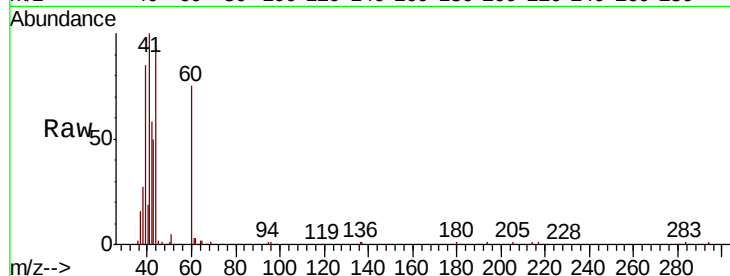




#9
 Propene
 Concen: 0.946 ppbv
 RT: 2.96 min Scan# 55
 Delta R.T. 0.00 min
 Lab File: VL035363.D
 Acq: 6 Aug 2020 23:49

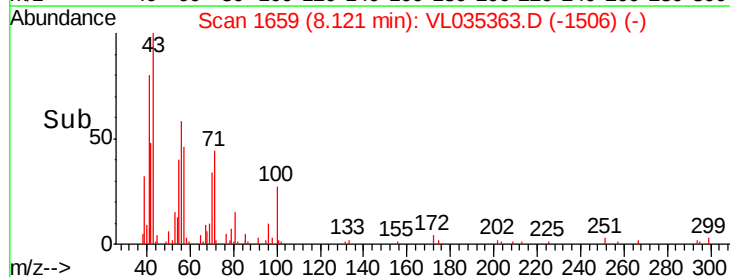
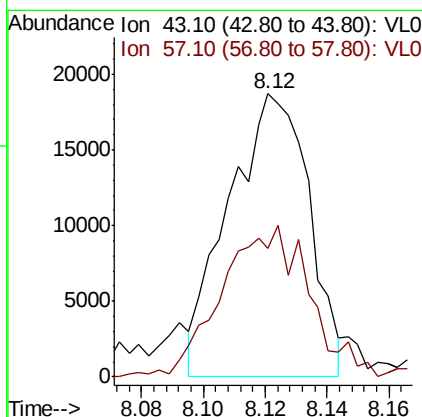
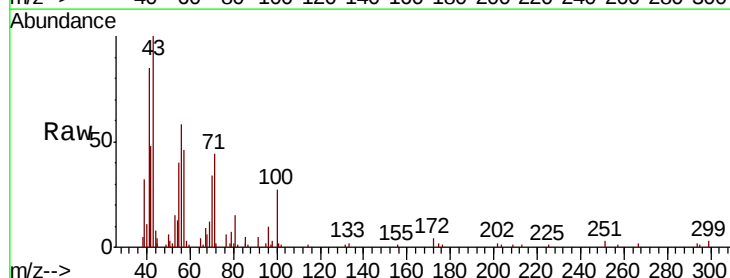
Instrument :
 MSVOA_L
 ClientSampleId :

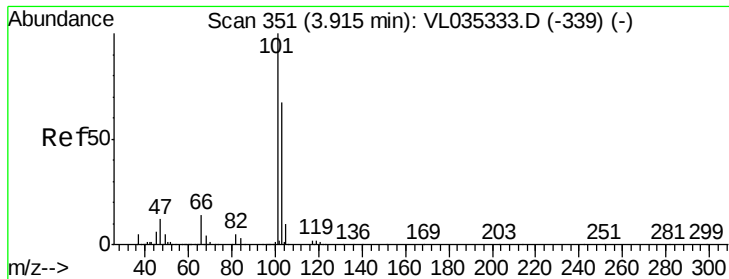
Tot Ion: 41 Resp: 52781
 Ion Ratio Lower Upper
 41 100
 42 58.4 55.3 82.9



#10
 Heptane
 Concen: 0.236 ppbv
 RT: 8.12 min Scan# 1659
 Delta R.T. -0.01 min
 Lab File: VL035363.D
 Acq: 6 Aug 2020 23:49

Tgt Ion: 43 Resp: 33668
 Ion Ratio Lower Upper
 43 100
 57 59.0 43.0 64.6

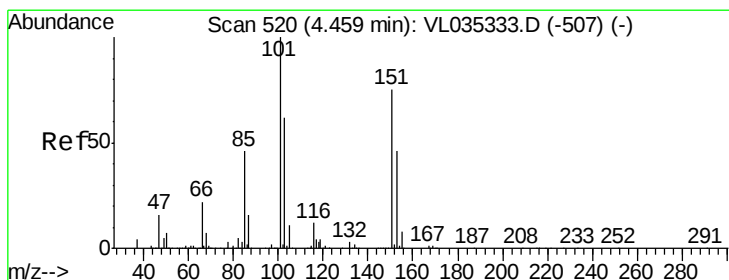
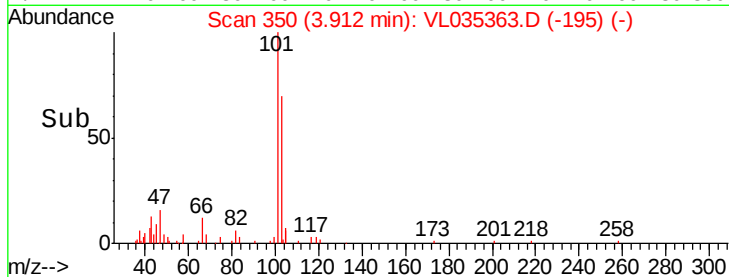
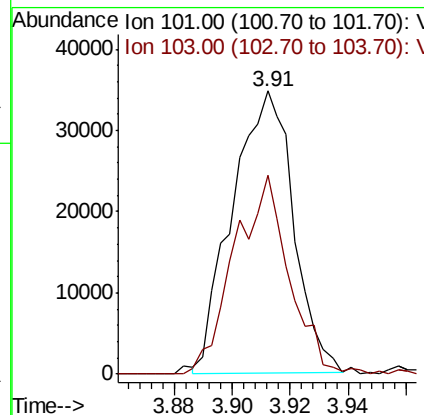
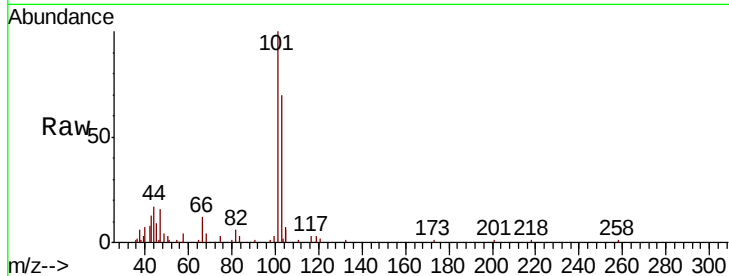




#11
 Trichlorofluoromethane
 Concen: 0.215 ppbv
 RT: 3.91 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VL035363.D
 Acq: 6 Aug 2020 23:49

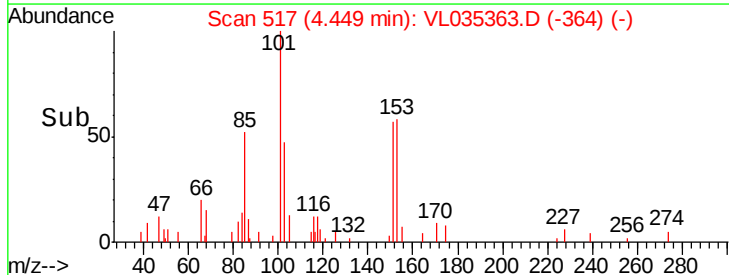
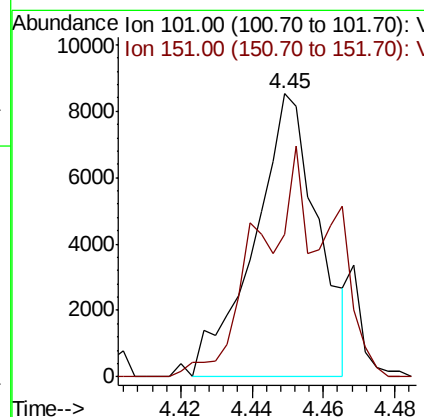
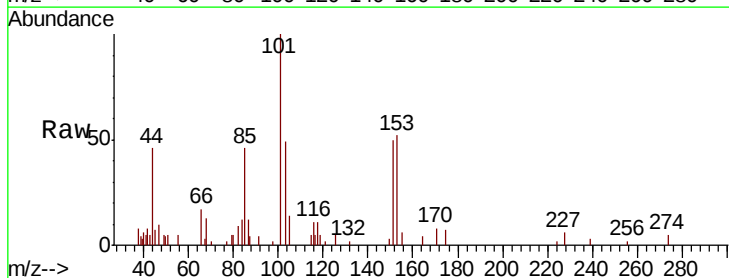
Instrument :
 MSVOA_L
 ClientSampleId :

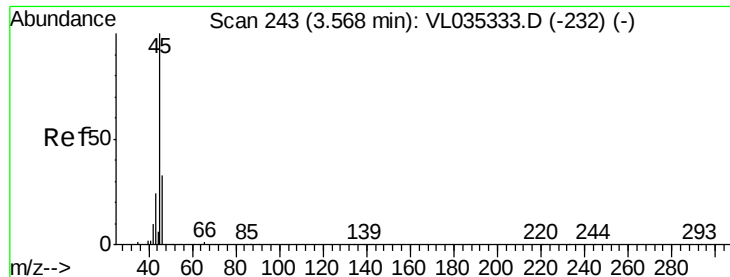
Tot Ion:101 Resp: 50911
 Ion Ratio Lower Upper
 101 100
 103 69.5 53.8 80.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.062 ppbv
 RT: 4.45 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VL035363.D
 Acq: 6 Aug 2020 23:49

Tgt Ion:101 Resp: 10448
 Ion Ratio Lower Upper
 101 100
 151 90.8 59.5 89.3#





#13

Ethanol

Concen: 14.682 ppbv

RT: 3.57 min Scan# 243

Delta R.T. 0.00 min

Lab File: VL035363.D

Acq: 6 Aug 2020 23:49

Instrument :

MSVOA_L

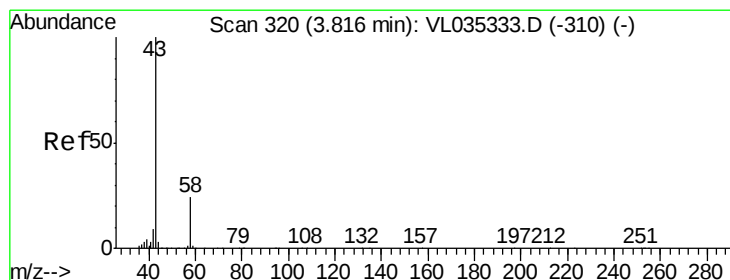
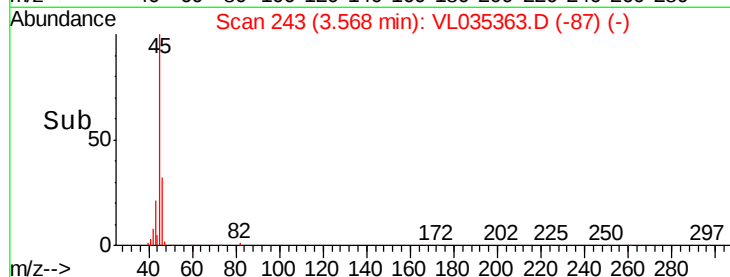
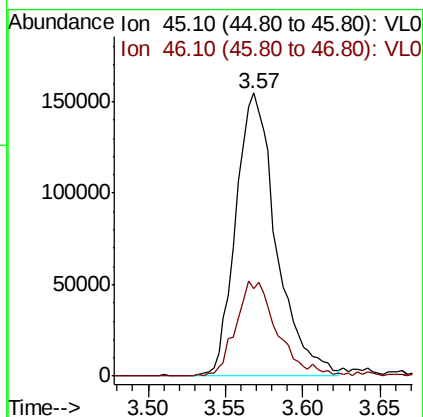
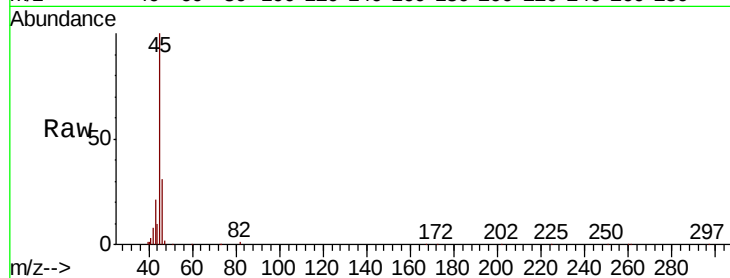
ClientSampleId :

Tot Ion: 45 Resp: 282631

Ion Ratio Lower Upper

45 100

46 34.3 15.2 61.0



#15

Acetone

Concen: 9.349 ppbv

RT: 3.81 min Scan# 317

Delta R.T. -0.01 min

Lab File: VL035363.D

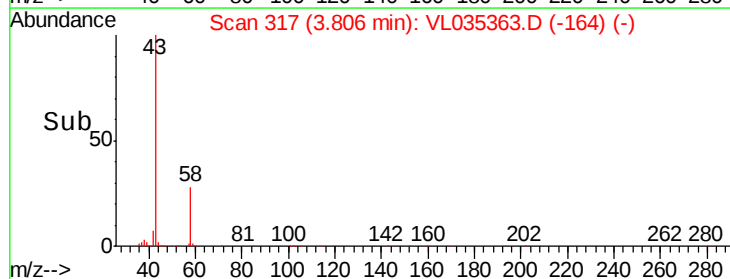
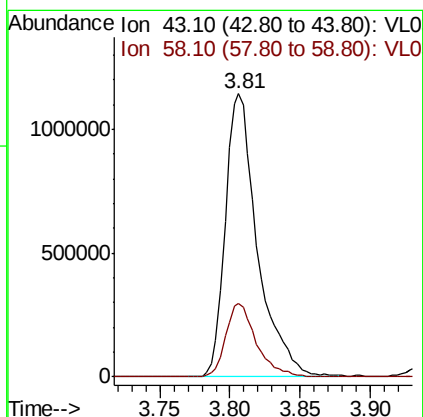
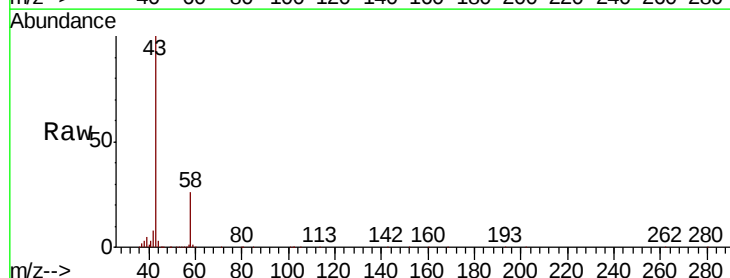
Acq: 6 Aug 2020 23:49

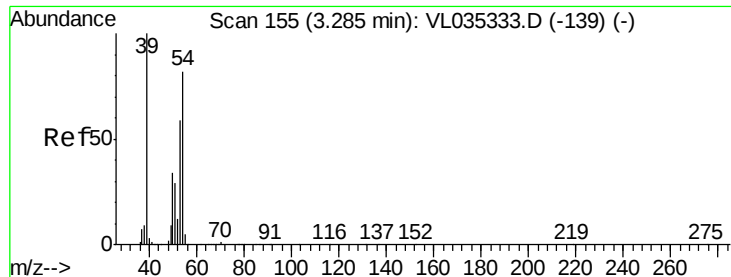
Tgt Ion: 43 Resp: 1821718

Ion Ratio Lower Upper

43 100

58 24.8 21.0 31.4

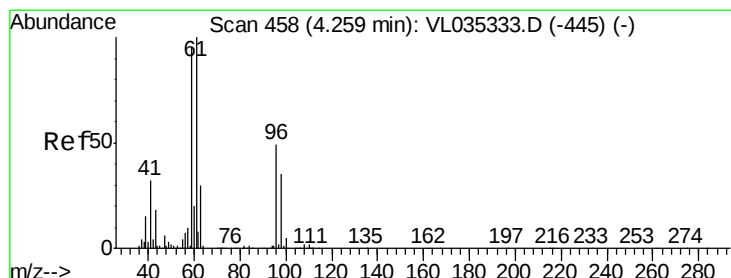
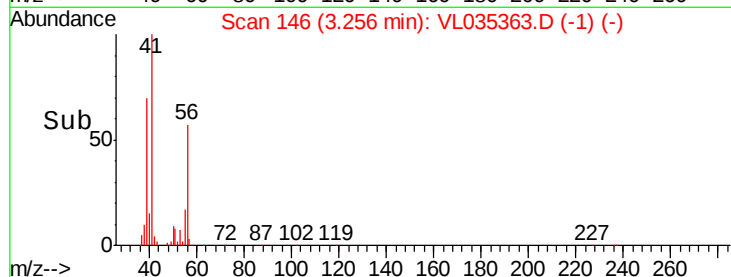
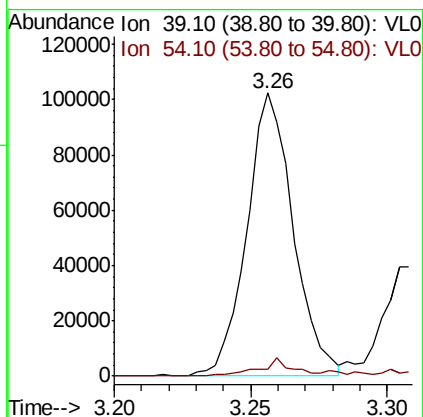
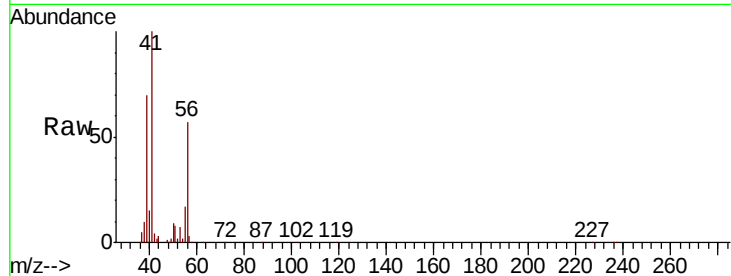




#16
1,3-Butadiene
Concen: 1.598 ppbv
RT: 3.26 min Scan# 146
Delta R.T. -0.03 min
Lab File: VL035363.D
Acq: 6 Aug 2020 23:49

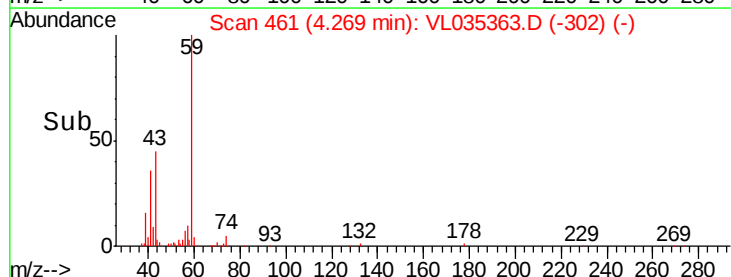
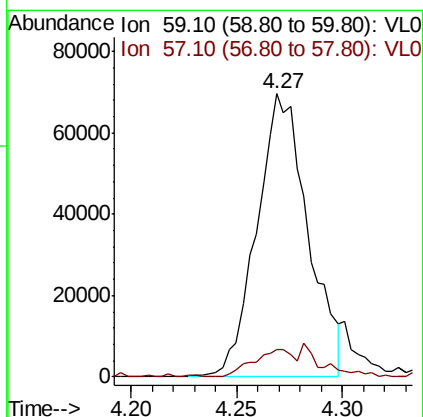
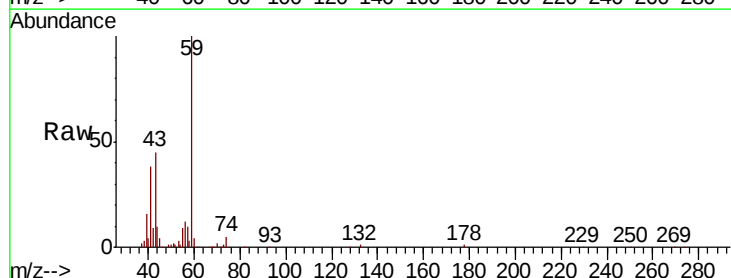
Instrument :
MSVOA_L
ClientSampled :

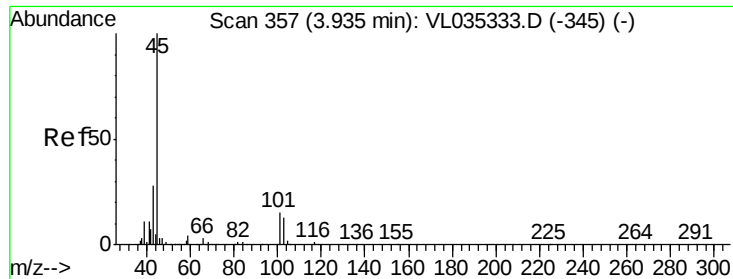
Tot Ion: 39 Resp: 119838
Ion Ratio Lower Upper
39 100
54 5.6 64.4 96.6#



#17
tert-Butyl alcohol
Concen: 0.657 ppbv
RT: 4.27 min Scan# 461
Delta R.T. 0.01 min
Lab File: VL035363.D
Acq: 6 Aug 2020 23:49

Tgt Ion: 59 Resp: 117583
Ion Ratio Lower Upper
59 100
57 13.0 8.8 13.2





#19

Isopropyl Alcohol

Concen: 2.246 ppbv

RT: 3.94 min Scan# 359

Delta R.T. 0.01 min

Lab File: VL035363.D

Acq: 6 Aug 2020 23:49

Instrument :

MSVOA_L

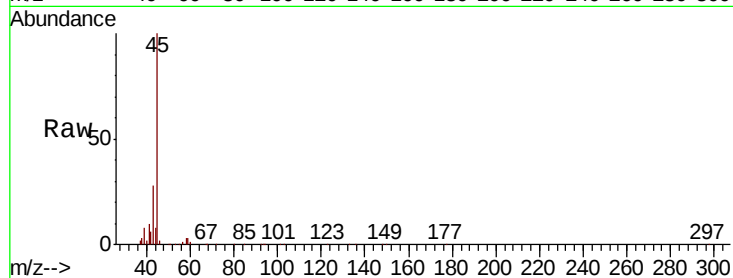
ClientSampleId :

Tot Ion: 45 Resp: 277385

Ion Ratio Lower Upper

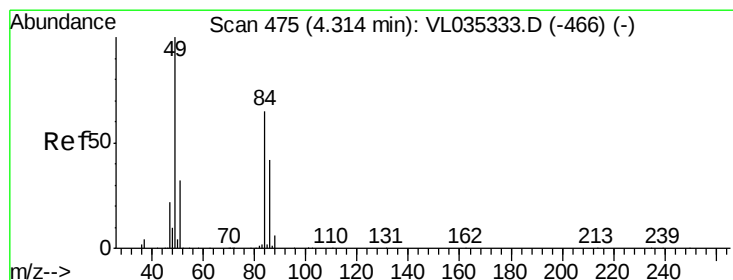
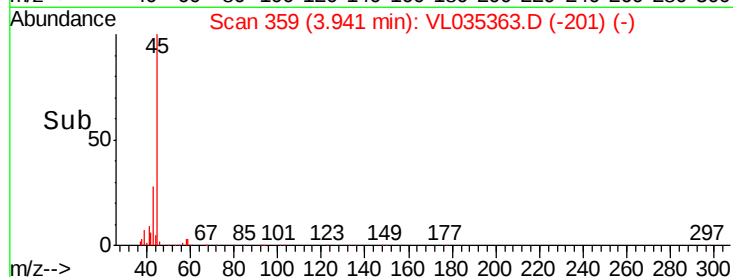
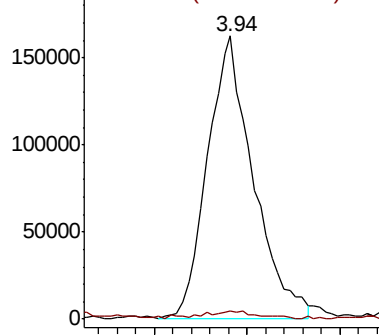
45 100

58 0.0 1.9 2.9#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 2.505 ppbv

RT: 4.31 min Scan# 473

Delta R.T. -0.01 min

Lab File: VL035363.D

Acq: 6 Aug 2020 23:49

Tgt Ion: 84 Resp: 199063

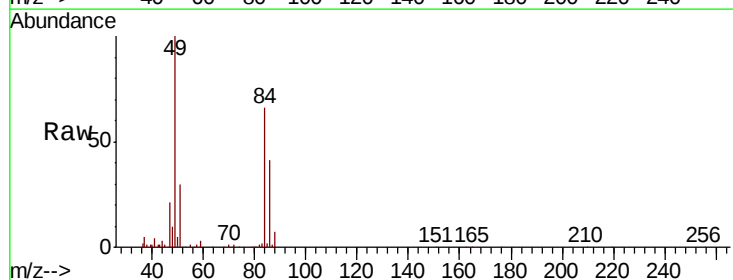
Ion Ratio Lower Upper

84 100

49 151.3 122.8 184.2

51 44.5 40.1 60.1

86 61.6 51.7 77.5

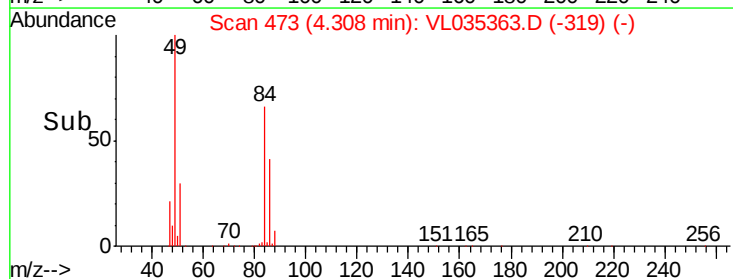
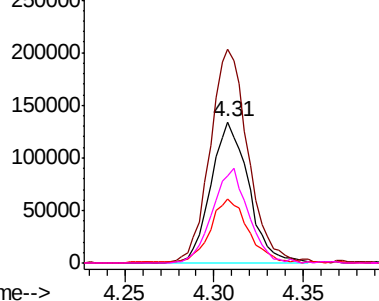


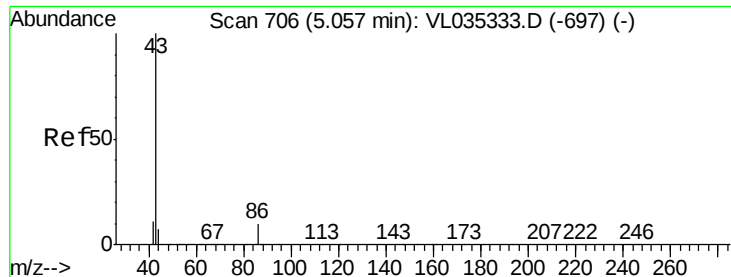
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

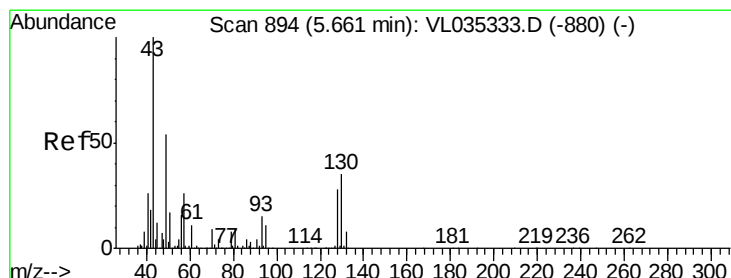
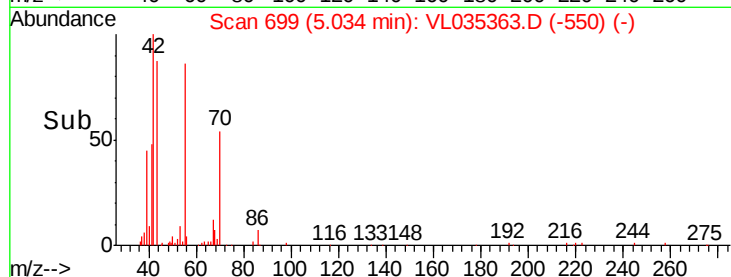
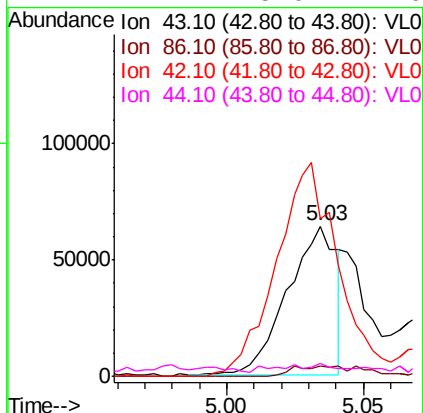
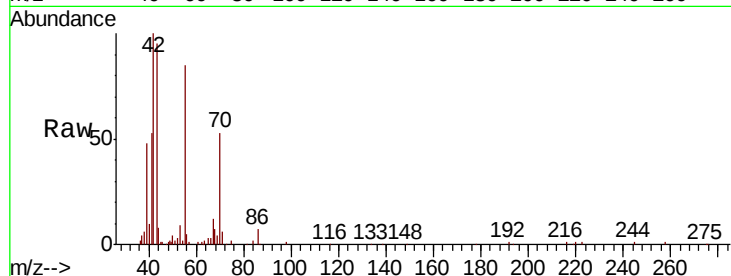




#23
 Vinyl Acetate
 Concen: 0.430 ppbv
 RT: 5.03 min Scan# 699
 Delta R.T. -0.02 min
 Lab File: VL035363.D
 Acq: 6 Aug 2020 23:49

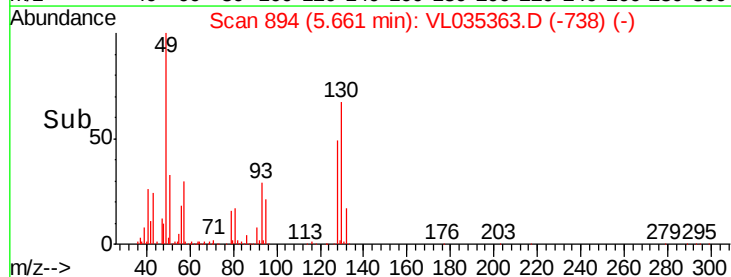
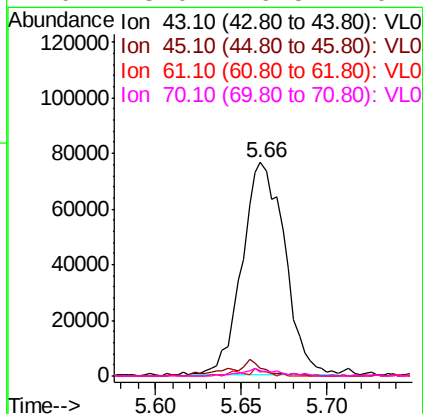
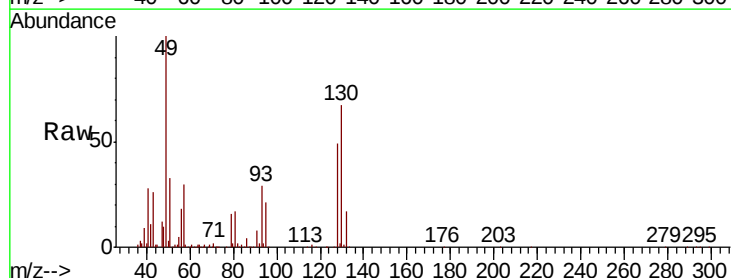
Instrument :
 MSVOA_L
 ClientSampleId :

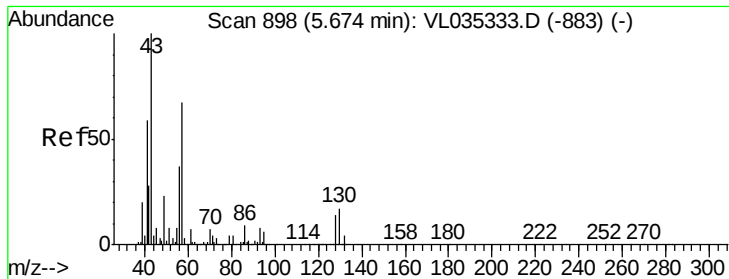
Tot Ion:	43	Resp:	80279
Ion	Ratio	Lower	Upper
43	100		
86	7.3	6.9	10.3
42	105.5	8.8	13.2#
44	4.2	5.0	7.6#



#25
 Ethyl Acetate
 Concen: 0.443 ppbv
 RT: 5.66 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VL035363.D
 Acq: 6 Aug 2020 23:49

Tgt Ion:	43	Resp:	131031
Ion	Ratio	Lower	Upper
43	100		
45	6.0	8.5	12.7#
61	2.4	8.1	12.1#
70	3.0	6.5	9.7#





#26

Hexane

Concen: 1.150 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.01 min

Lab File: VL035363.D

Acq: 6 Aug 2020 23:49

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 57 Resp: 147629

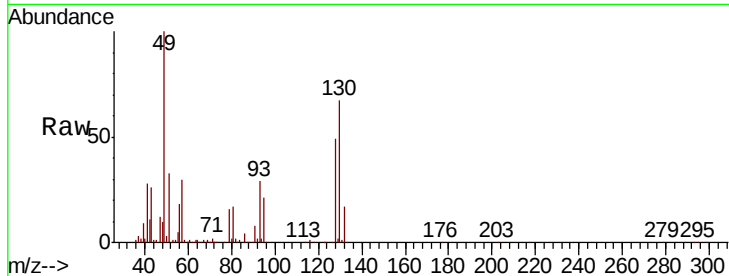
Ion Ratio Lower Upper

57 100

41 103.0 75.2 112.8

43 93.6 180.6 270.8#

56 60.8 43.0 64.6

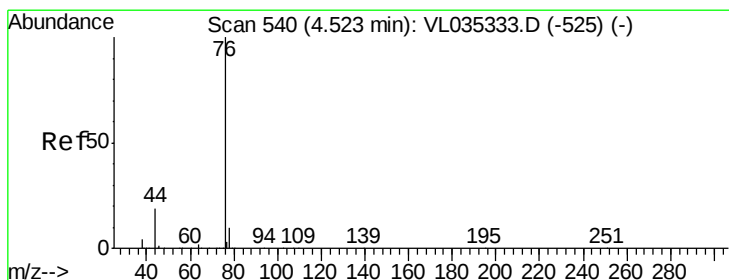
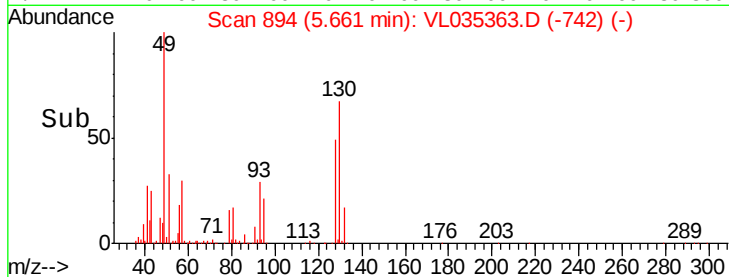
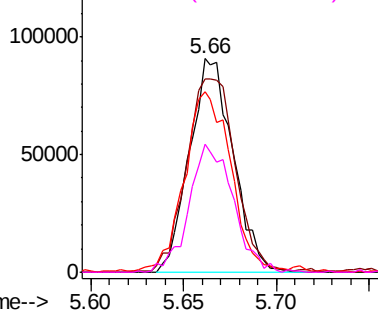


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#27

Carbon Disulfide

Concen: 0.069 ppbv

RT: 4.52 min Scan# 538

Delta R.T. -0.01 min

Lab File: VL035363.D

Acq: 6 Aug 2020 23:49

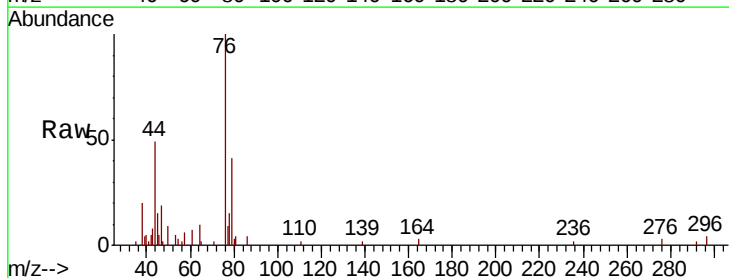
Tgt Ion: 76 Resp: 12317

Ion Ratio Lower Upper

76 100

44 62.9 15.4 23.2#

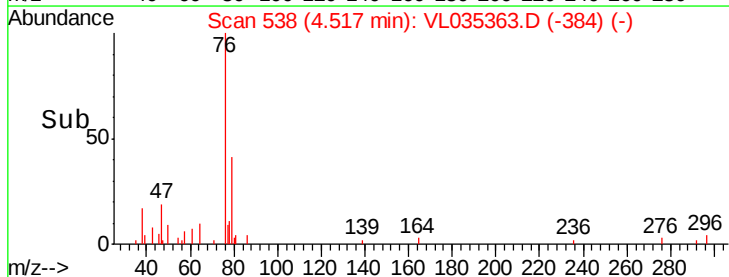
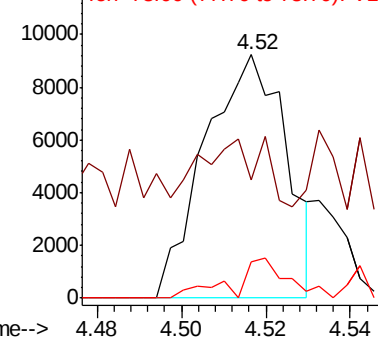
78 13.5 7.7 11.5#

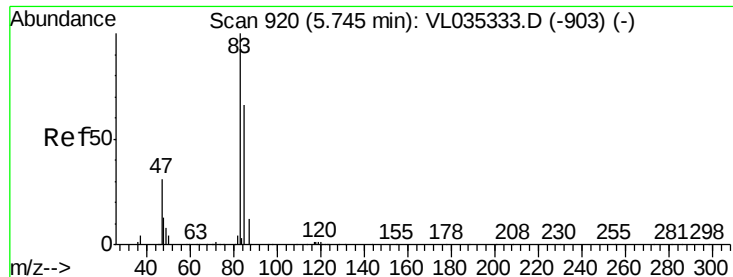


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0

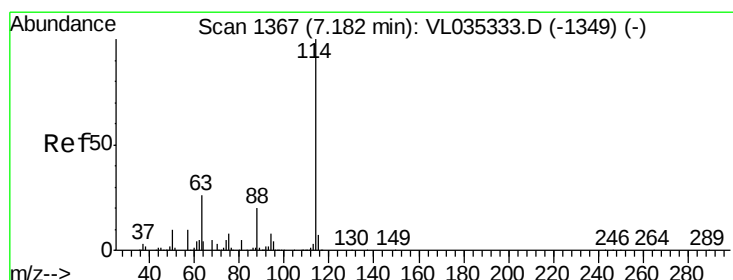
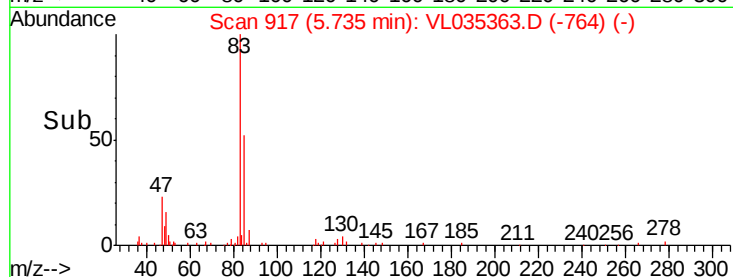
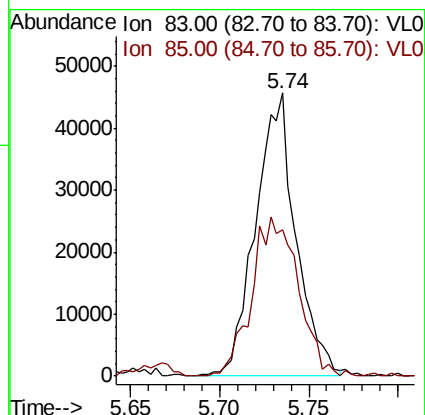
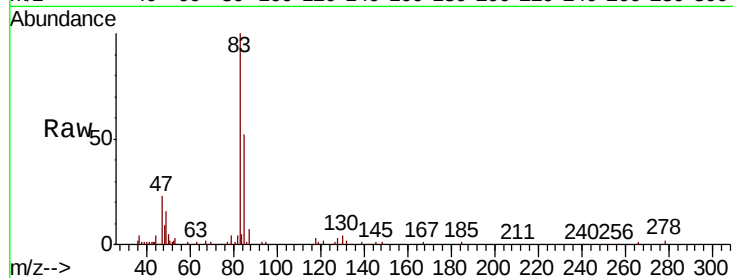




#29
Chloroform
Concen: 0.327 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.01 min
Lab File: VL035363.D
Acq: 6 Aug 2020 23:49

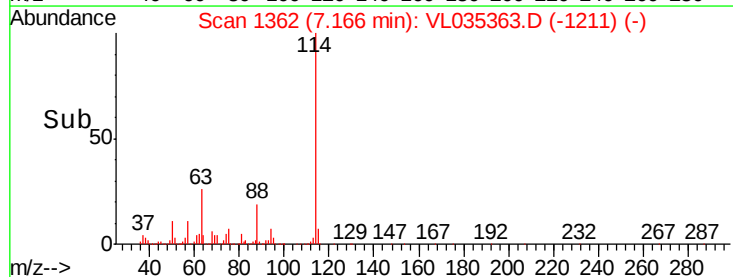
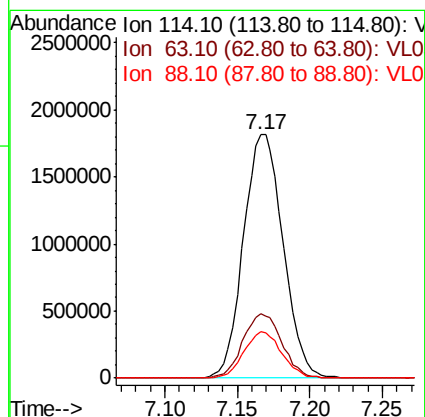
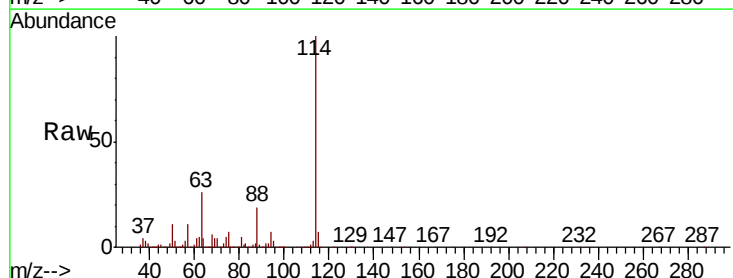
Instrument :
MSVOA_L
ClientSampleId :

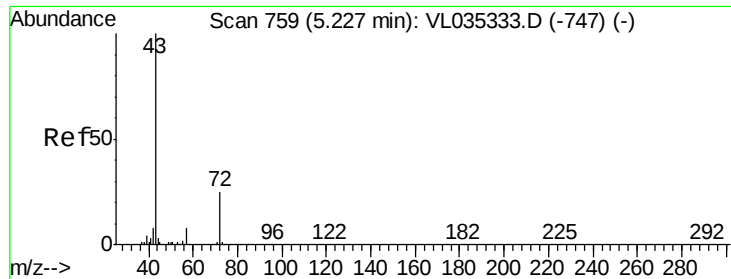
Tot Ion: 83 Resp: 72304
Ion Ratio Lower Upper
83 100
85 51.8 52.9 79.3#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.02 min
Lab File: VL035363.D
Acq: 6 Aug 2020 23:49

Tgt Ion: 114 Resp: 3451224
Ion Ratio Lower Upper
114 100
63 26.2 21.3 31.9
88 18.2 15.3 22.9

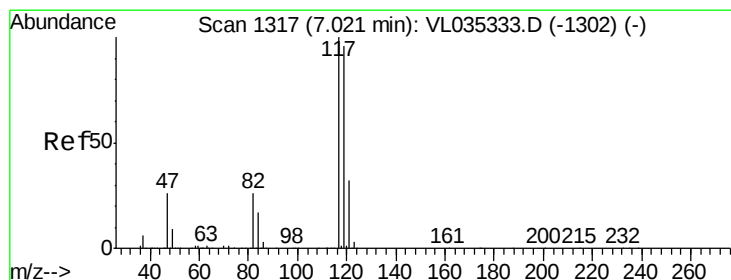
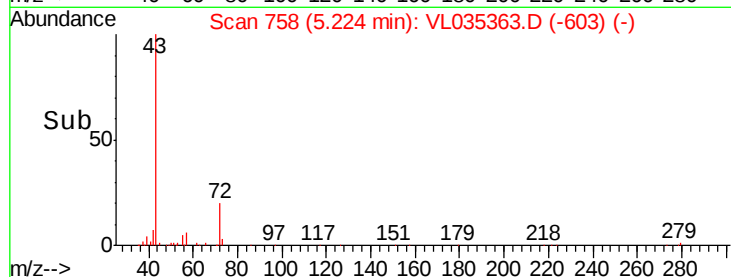
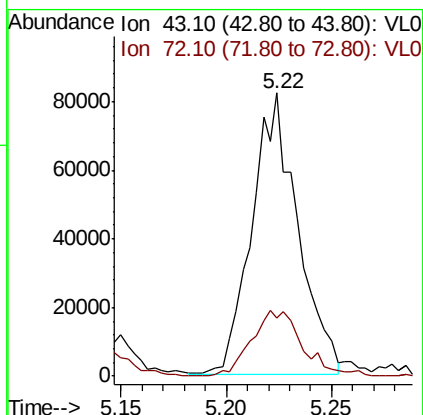
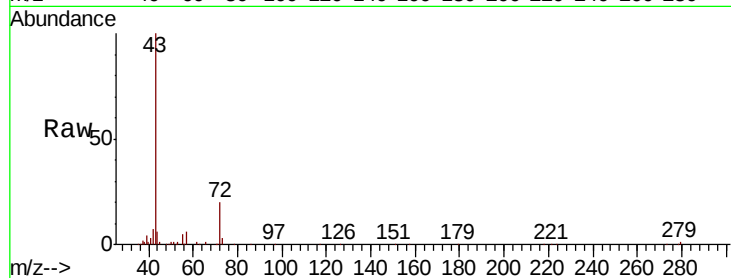




#34
2-Butanone
Concen: 0.730 ppbv
RT: 5.22 min Scan# 758
Delta R.T. -0.00 min
Lab File: VL035363.D
Acq: 6 Aug 2020 23:49

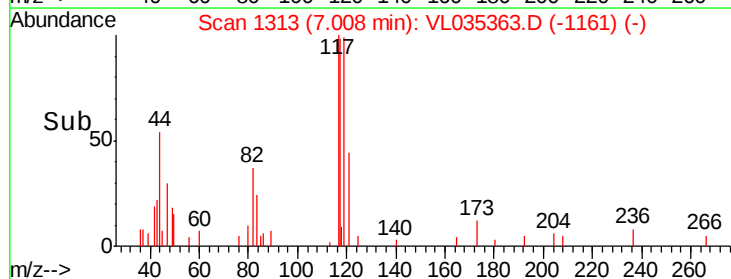
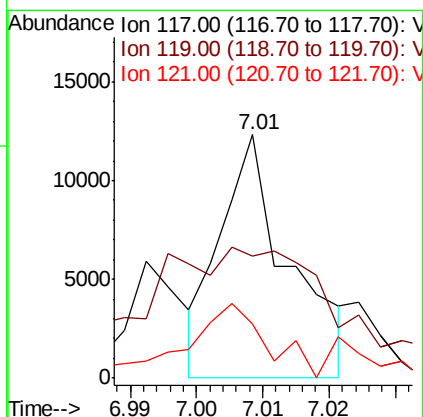
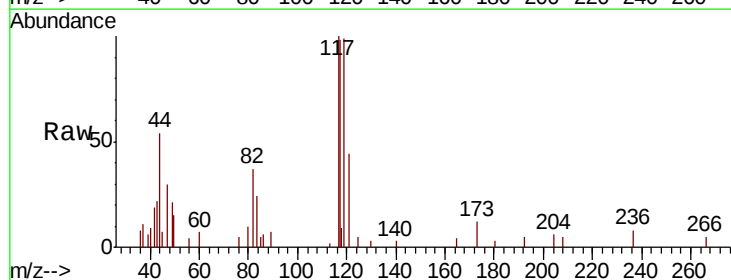
Instrument :
MSVOA_L
ClientSampleId :

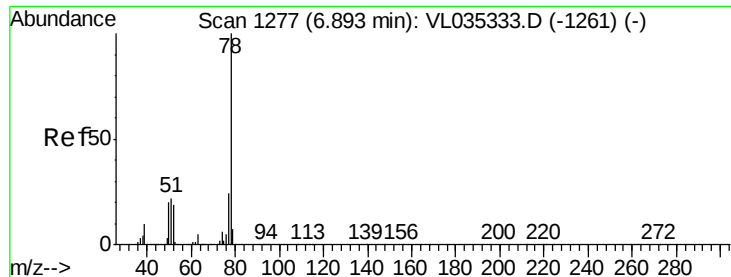
Tot Ion: 43 Resp: 124055
Ion Ratio Lower Upper
43 100
72 26.0 18.9 28.3



#35
Carbon Tetrachloride
Concen: 0.038 ppbv
RT: 7.01 min Scan# 1313
Delta R.T. -0.01 min
Lab File: VL035363.D
Acq: 6 Aug 2020 23:49

Tgt Ion: 117 Resp: 8941
Ion Ratio Lower Upper
117 100
119 41.2 77.0 115.6#
121 14.3 26.0 39.0#

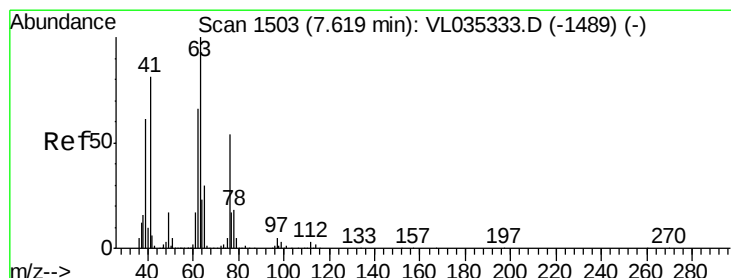
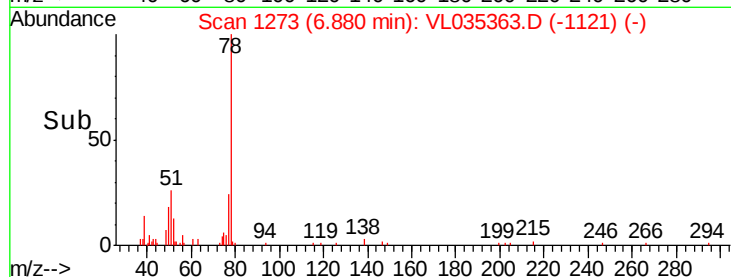
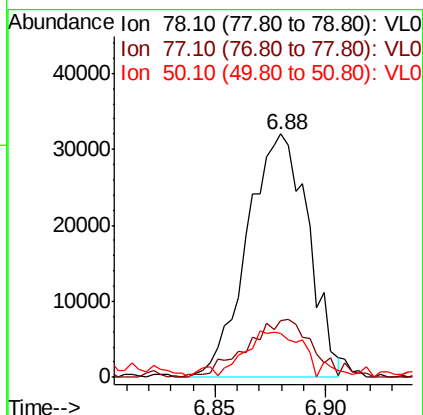
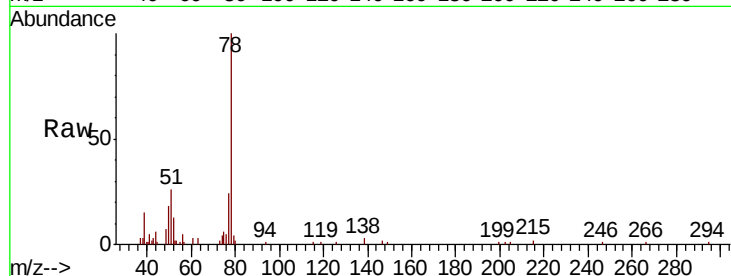




#36
Benzene
Concen: 0.263 ppbv
RT: 6.88 min Scan# 1273
Delta R.T. -0.01 min
Lab File: VL035363.D
Acq: 6 Aug 2020 23:49

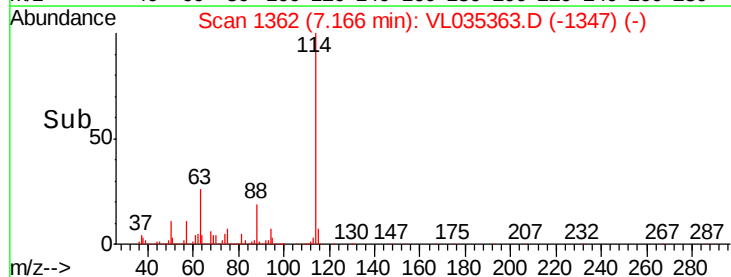
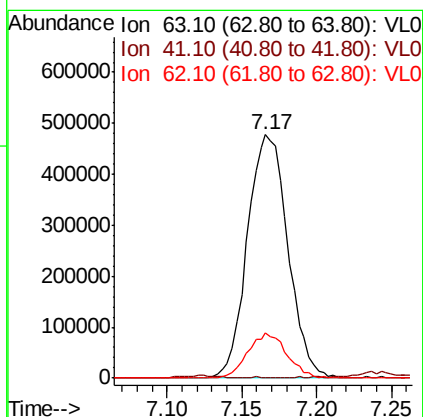
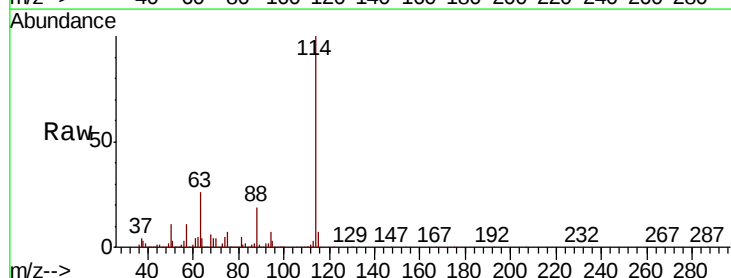
Instrument :
MSVOA_L
ClientSampleId :

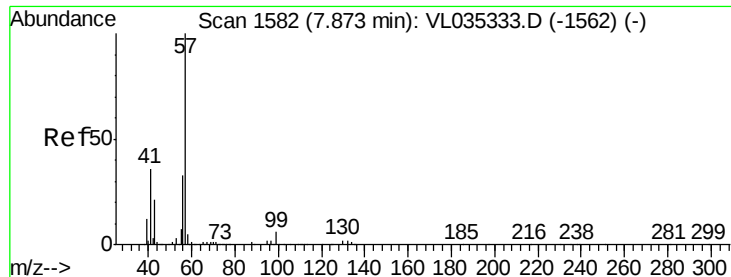
Tot Ion: 78 Resp: 61313
Ion Ratio Lower Upper
78 100
77 22.4 19.3 28.9
50 18.0 16.3 24.5



#39
1,2-Dichloropropane
Concen: 9.528 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.45 min
Lab File: VL035363.D
Acq: 6 Aug 2020 23:49

Tgt Ion: 63 Resp: 898935
Ion Ratio Lower Upper
63 100
41 0.0 64.4 96.6#
62 18.3 52.6 78.8#

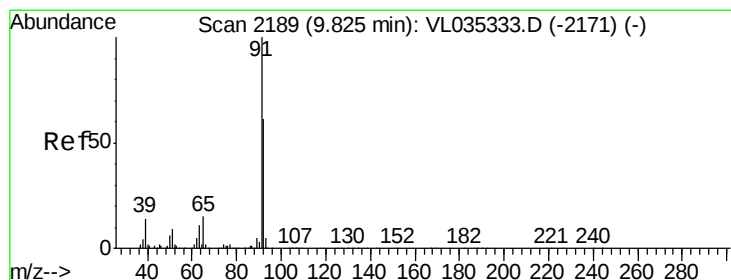
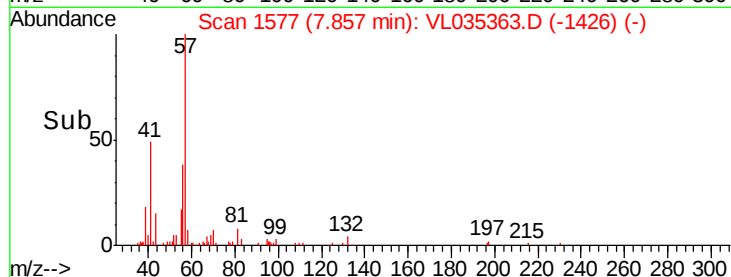
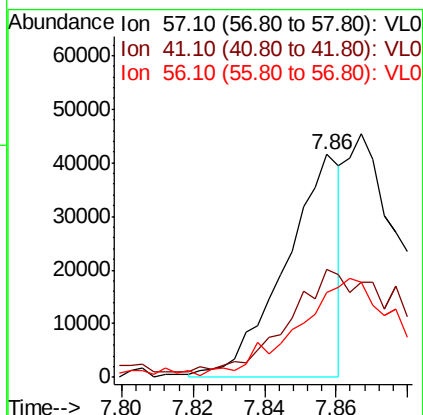
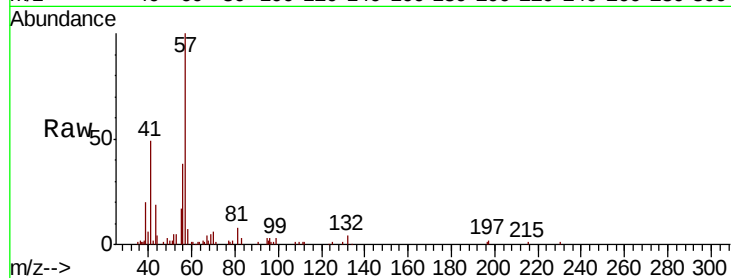




#44
 2,2,4-Trimethylpentane
 Concen: 0.108 ppbv
 RT: 7.86 min Scan# 1577
 Delta R.T. -0.02 min
 Lab File: VL035363.D
 Acq: 6 Aug 2020 23:49

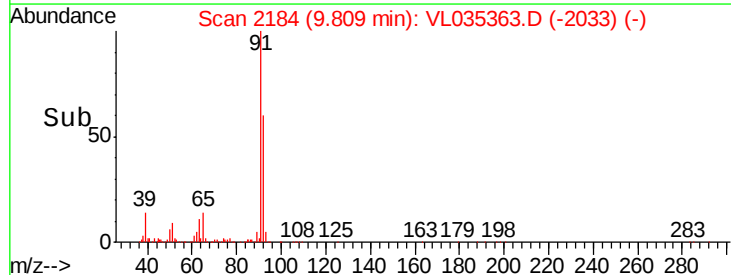
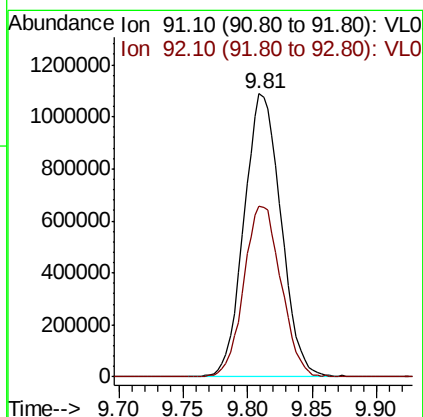
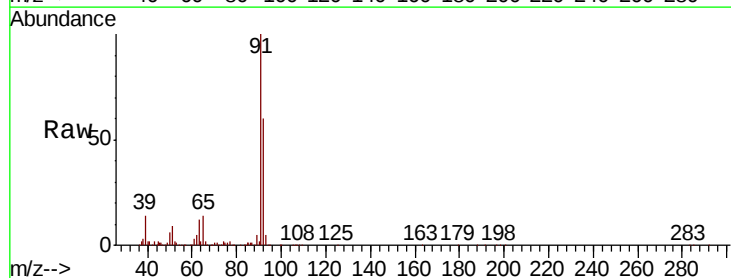
Instrument :
 MSVOA_L
 ClientSampleId :

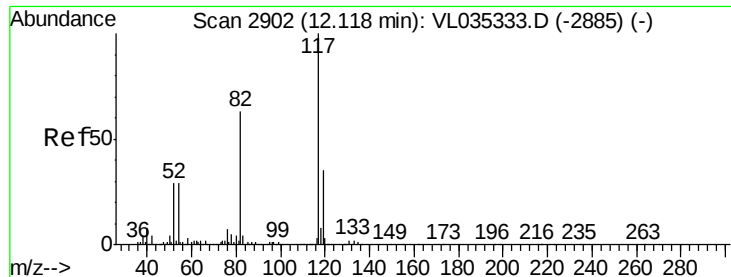
Tot Ion	57	Resp	44668
Ion Ratio	Lower	Upper	
57	100		
41	107.5	27.9	41.9#
56	0.0	25.4	38.0#



#53
 Toluene
 Concen: 8.577 ppbv
 RT: 9.81 min Scan# 2184
 Delta R.T. -0.02 min
 Lab File: VL035363.D
 Acq: 6 Aug 2020 23:49

Tgt Ion	91	Resp	2174518
Ion Ratio	Lower	Upper	
91	100		
92	60.8	48.5	72.7





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2897

Delta R.T. -0.02 min

Lab File: VL035363.D

Acq: 6 Aug 2020 23:49

Instrument :

MSVOA_L

ClientSampleId :

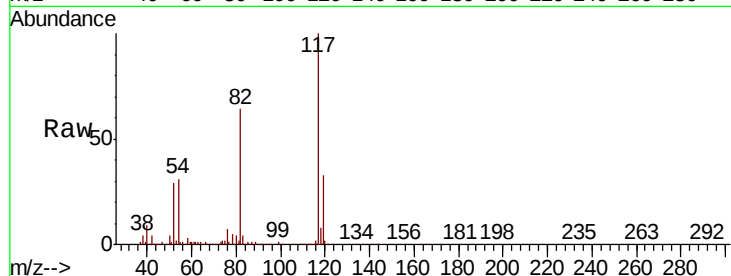
Tot Ion:117 Resp: 3247049

Ion Ratio Lower Upper

117 100

82 66.3 51.0 76.4

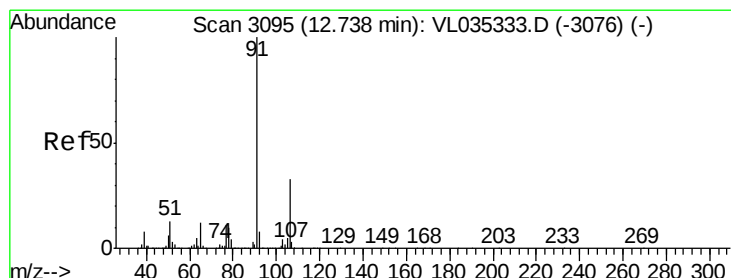
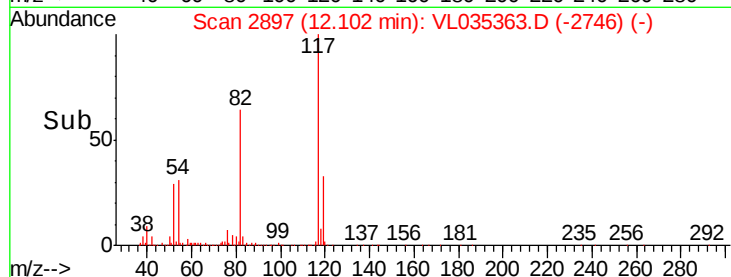
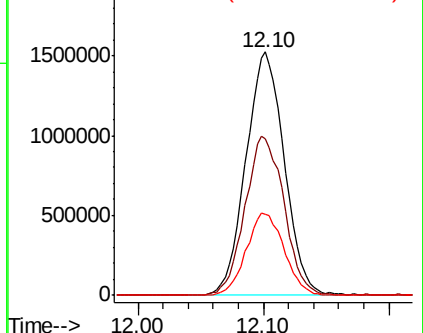
119 33.5 24.7 37.1



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#58

Ethyl Benzene

Concen: 1.728 ppbv

RT: 12.73 min Scan# 3091

Delta R.T. -0.01 min

Lab File: VL035363.D

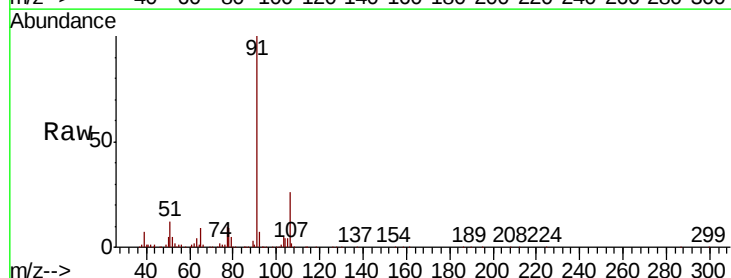
Acq: 6 Aug 2020 23:49

Tgt Ion: 91 Resp: 583934

Ion Ratio Lower Upper

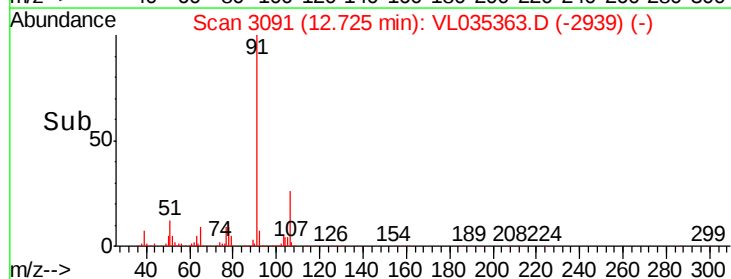
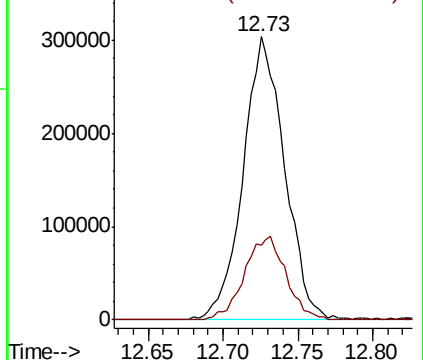
91 100

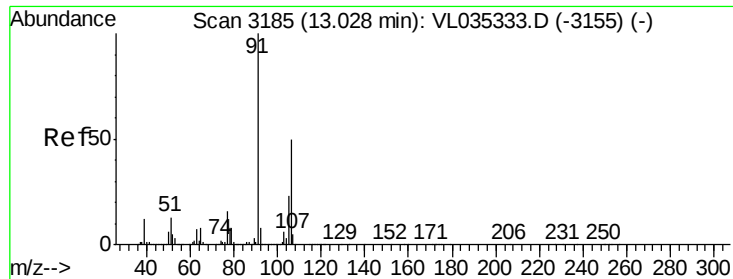
106 26.3 26.8 40.2#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

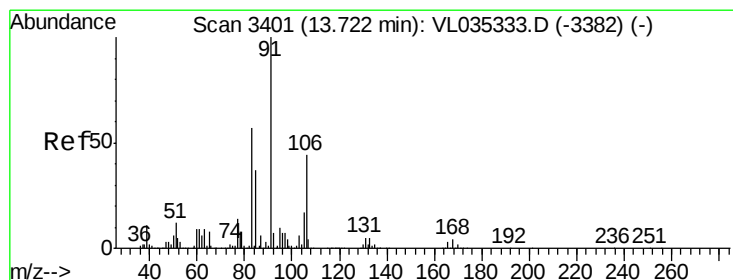
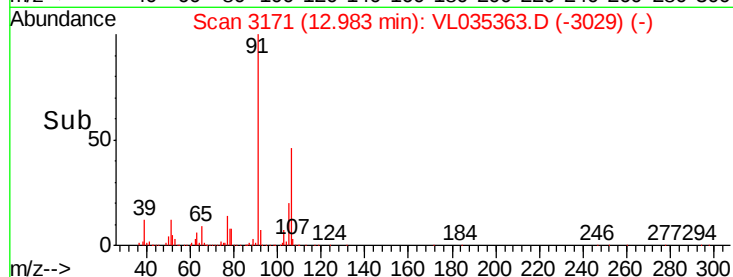
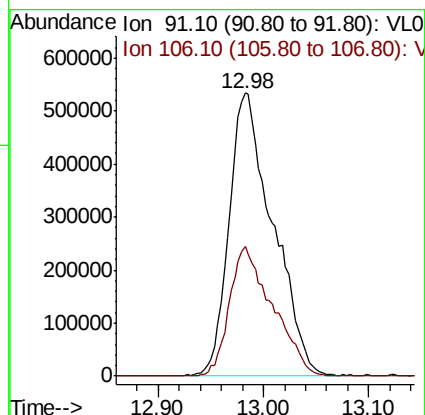
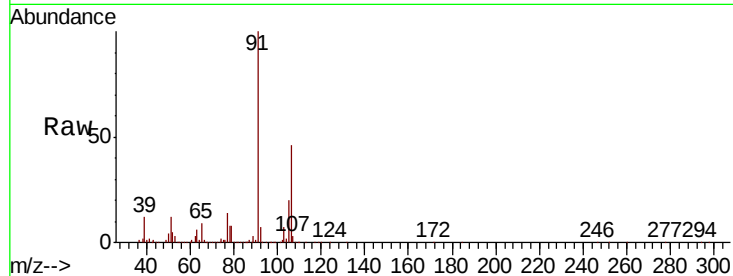




#59
m/p-Xylene
Concen: 4.856 ppbv
RT: 12.98 min Scan# 3171
Delta R.T. -0.05 min
Lab File: VL035363.D
Acq: 6 Aug 2020 23:49

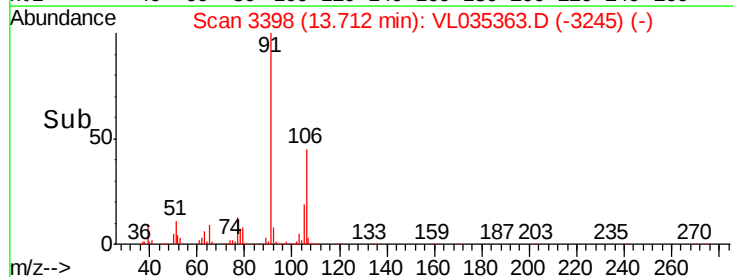
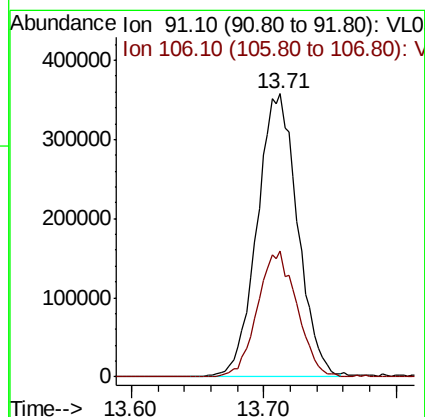
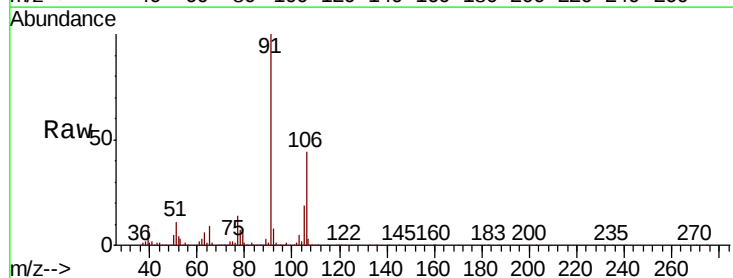
Instrument :
MSVOA_L
ClientSampleId :

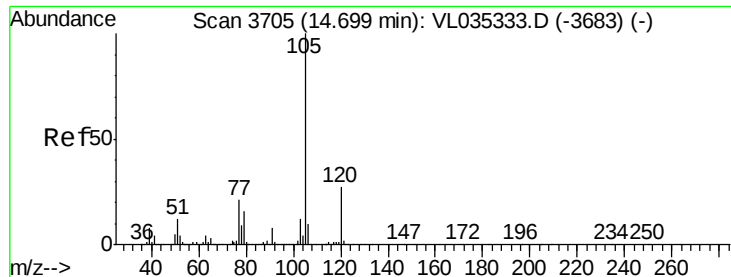
Tot Ion: 91 Resp: 1527697
Ion Ratio Lower Upper
91 100
106 45.6 37.8 56.8



#60
o-Xylene
Concen: 2.438 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. -0.01 min
Lab File: VL035363.D
Acq: 6 Aug 2020 23:49

Tgt Ion: 91 Resp: 761188
Ion Ratio Lower Upper
91 100
106 43.6 22.7 68.0





#62

Isopropylbenzene

Concen: 0.179 ppbv

RT: 14.69 min Scan# 3701

Delta R.T. -0.01 min

Lab File: VL035363.D

Acq: 6 Aug 2020 23:49

Instrument :

MSVOA_L

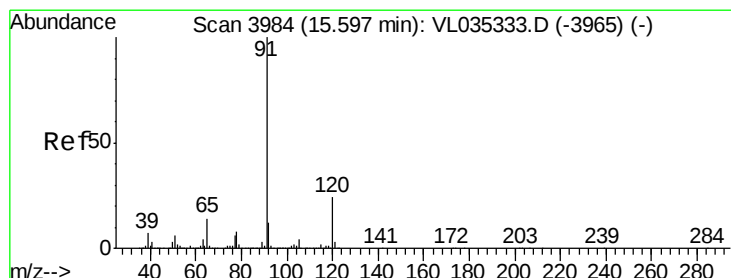
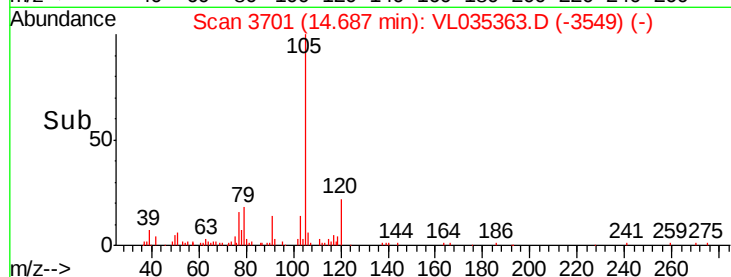
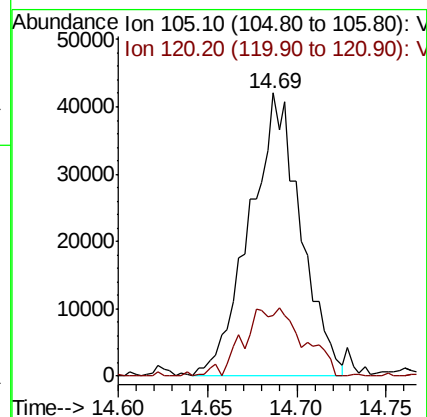
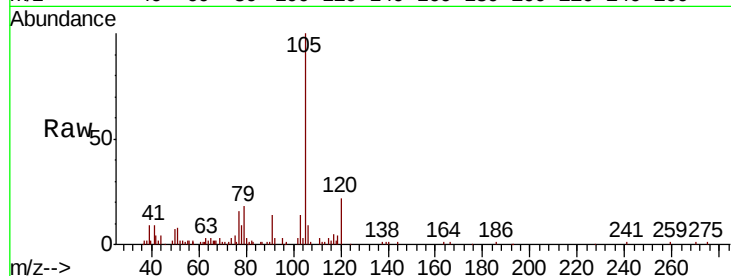
ClientSampleId :

Tot Ion:105 Resp: 84083

Ion Ratio Lower Upper

105 100

120 28.3 21.1 31.7



#64

n-propylbenzene

Concen: 0.119 ppbv

RT: 15.57 min Scan# 3977

Delta R.T. -0.02 min

Lab File: VL035363.D

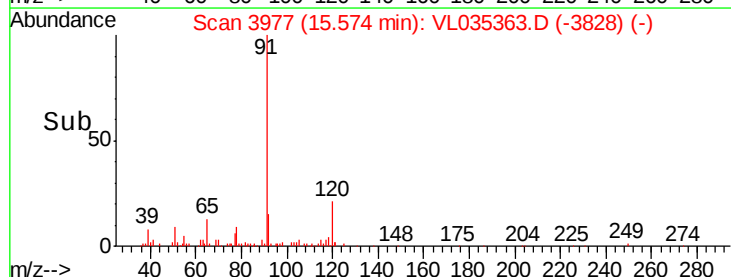
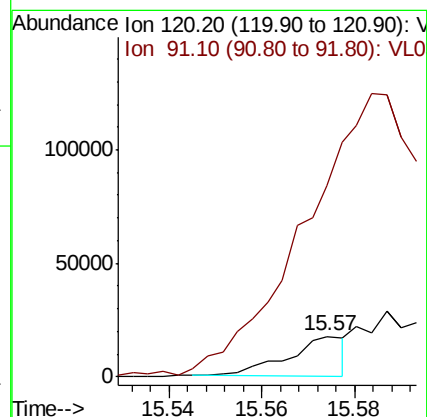
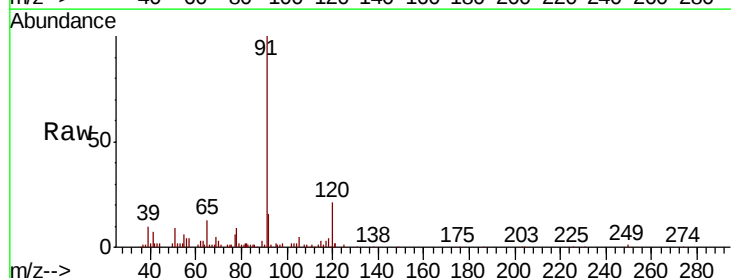
Acq: 6 Aug 2020 23:49

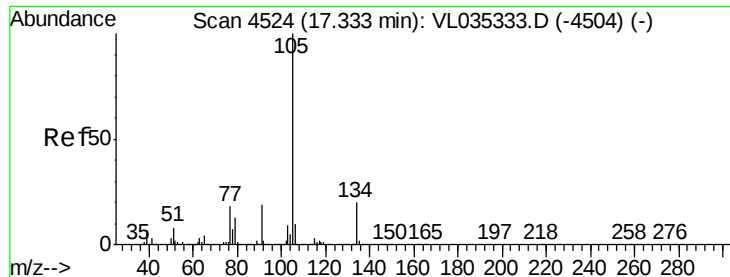
Tgt Ion:120 Resp: 15090

Ion Ratio Lower Upper

120 100

91 0.0 357.2 535.8#





#67

sec-Butylbenzene

Concen: 0.206 ppbv

RT: 17.63 min Scan# 4616

Delta R.T. 0.30 min

Lab File: VL035363.D

Acq: 6 Aug 2020 23:49

Instrument :

MSVOA_L

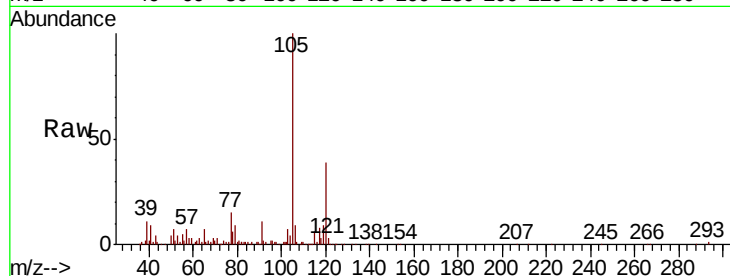
ClientSampleId :

Tot Ion:105 Resp: 125255

Ion Ratio Lower Upper

105 100

134 15.6 15.4 23.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.63

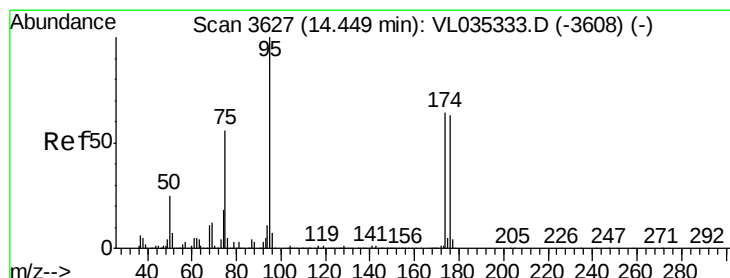
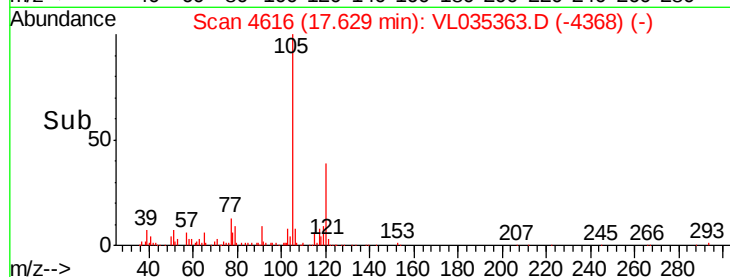
150000

100000

50000

0

Time--> 17.60 17.65



#68

1-Bromo-4-Fluorobenzene

Concen: 10.286 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. -0.01 min

Lab File: VL035363.D

Acq: 6 Aug 2020 23:49

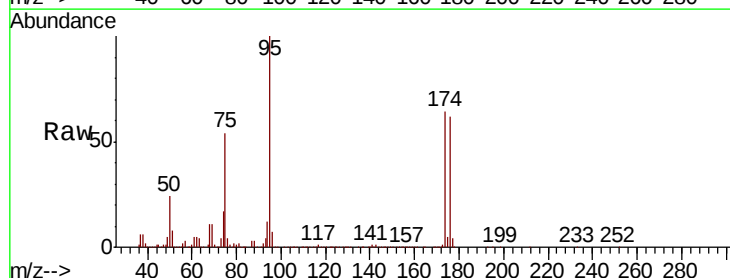
Tgt Ion: 95 Resp: 2785230

Ion Ratio Lower Upper

95 100

174 67.3 53.5 80.3

175 5.2 4.2 6.2



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

14.44

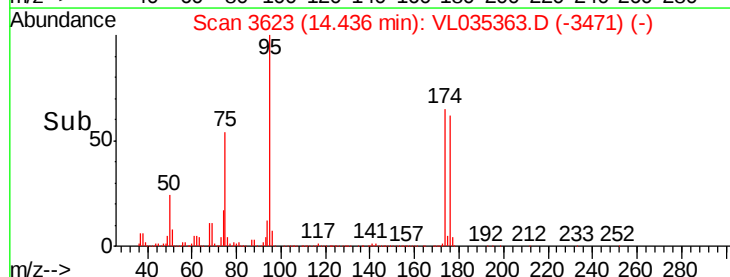
1500000

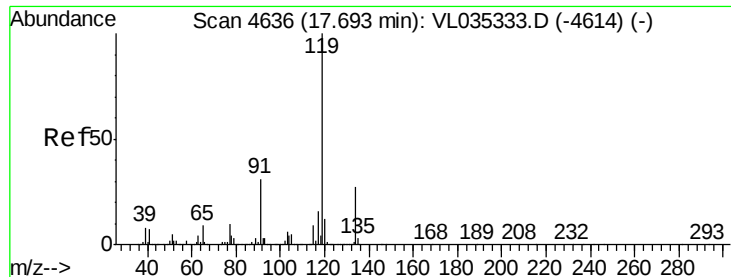
1000000

500000

0

Time--> 14.40 14.50

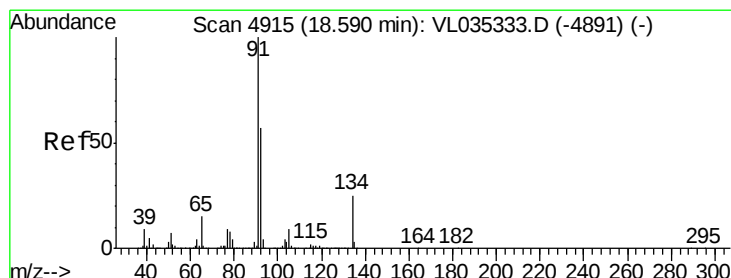
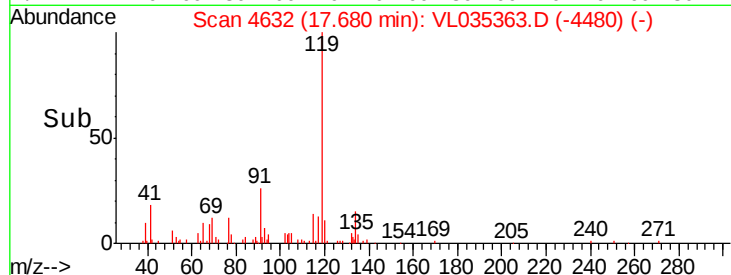
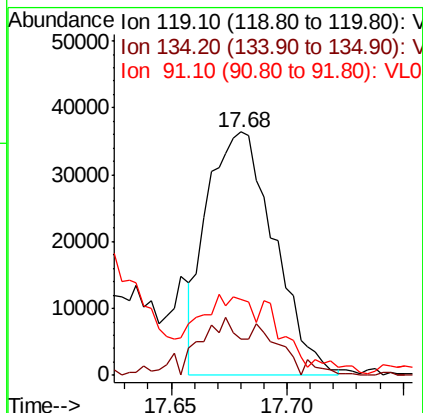
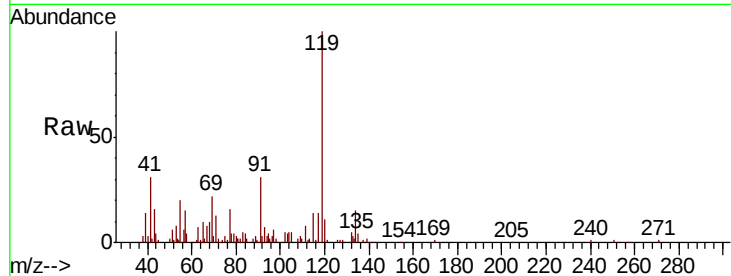




#69
 p-Isopropyltoluene
 Concen: 0.147 ppbv
 RT: 17.68 min Scan# 4632
 Delta R.T. -0.01 min
 Lab File: VL035363.D
 Acq: 6 Aug 2020 23:49

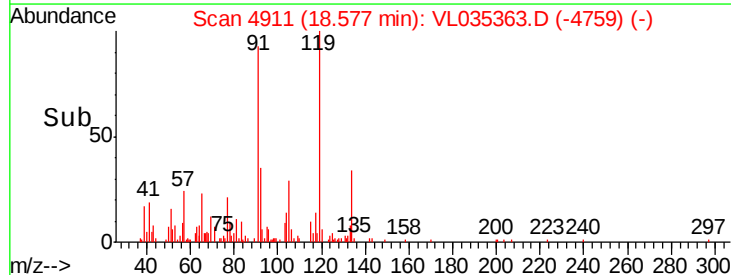
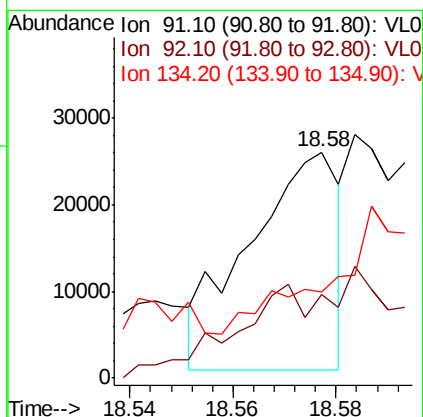
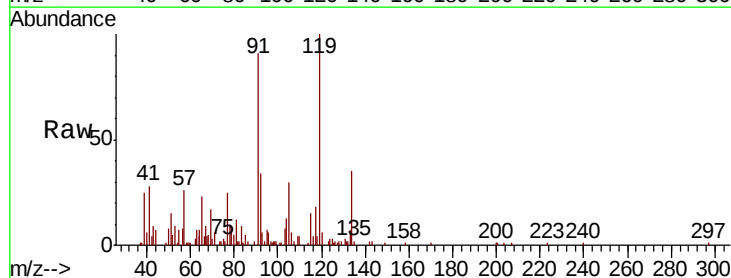
Instrument :
 MSVOA_L
 ClientSampleID :

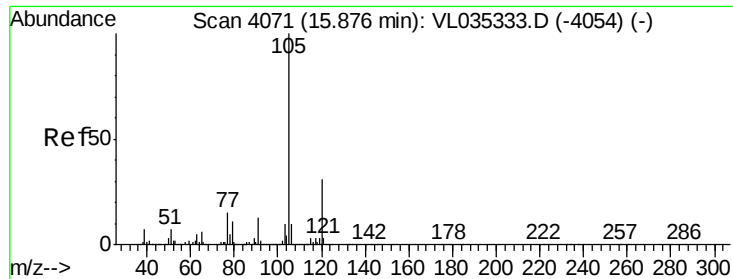
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.7	21.1	31.7
91	37.2	24.5	36.7



#70
 n-Butylbenzene
 Concen: 0.057 ppbv
 RT: 18.58 min Scan# 4911
 Delta R.T. -0.01 min
 Lab File: VL035363.D
 Acq: 6 Aug 2020 23:49

Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	44.2	66.2
134	0.0	19.0	28.6





#72

4-Ethyltoluene

Concen: 0.722 ppbv

RT: 15.86 min Scan# 4067

Delta R.T. -0.01 min

Lab File: VL035363.D

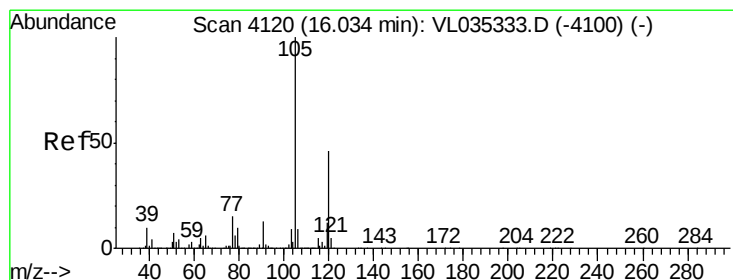
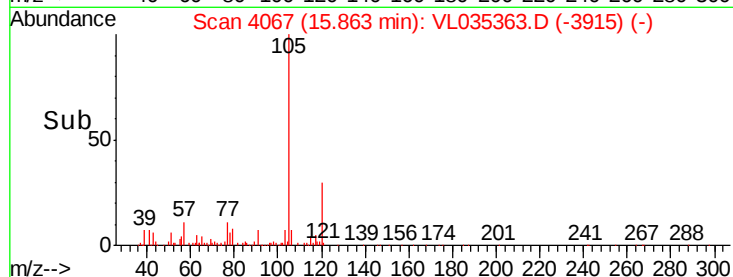
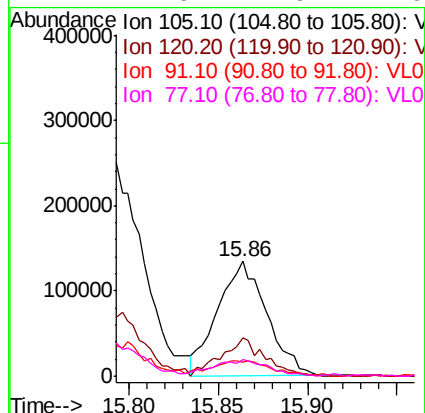
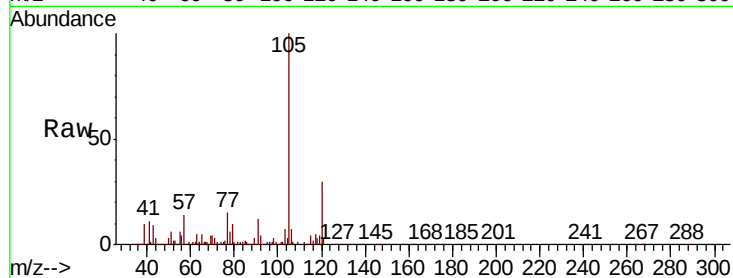
Acq: 6 Aug 2020 23:49

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	105	Resp:	257059
Ion	Ratio	Lower	Upper
105	100		
120	31.0	24.0	36.0
91	16.2	10.8	16.2#
77	17.9	11.9	17.9#



#73

1,3,5-Trimethylbenzene

Concen: 0.907 ppbv

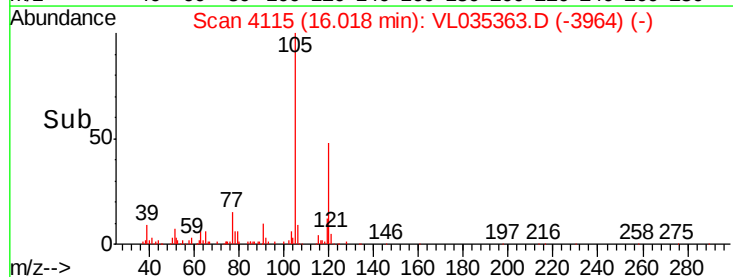
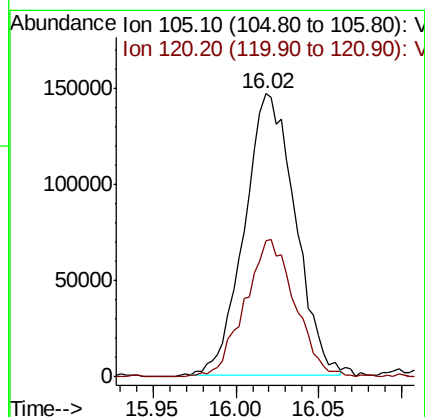
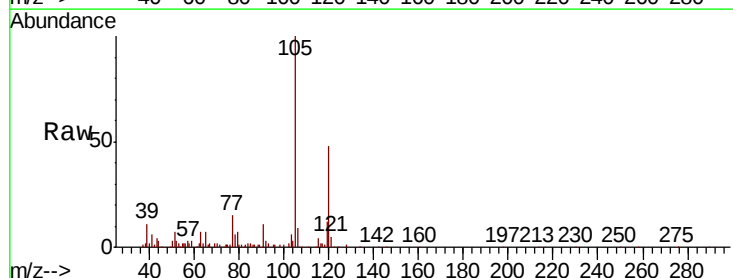
RT: 16.02 min Scan# 4115

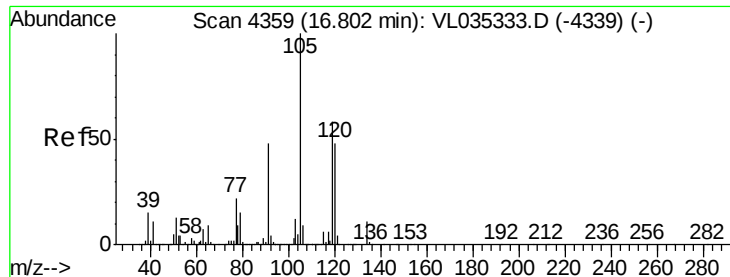
Delta R.T. -0.02 min

Lab File: VL035363.D

Acq: 6 Aug 2020 23:49

Tgt Ion:	105	Resp:	309883
Ion	Ratio	Lower	Upper
105	100		
120	48.2	36.9	55.3





#74

1,2,4-Trimethylbenzene

Concen: 2.665 ppbv

RT: 16.79 min Scan# 4355

Delta R.T. -0.01 min

Lab File: VL035363.D

Acq: 6 Aug 2020 23:49

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:105 Resp: 1040252

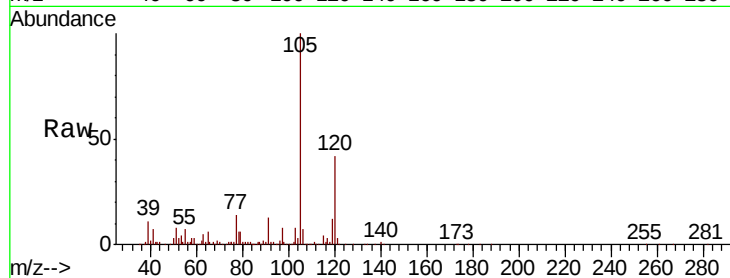
Ion Ratio Lower Upper

105 100

120 42.3 38.5 57.7

91 12.8 39.0 58.6#

77 13.5 17.8 26.6#

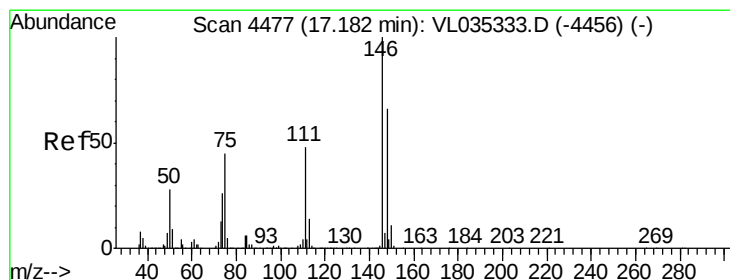
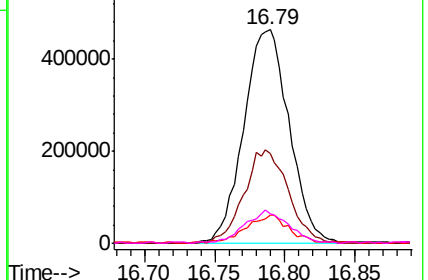
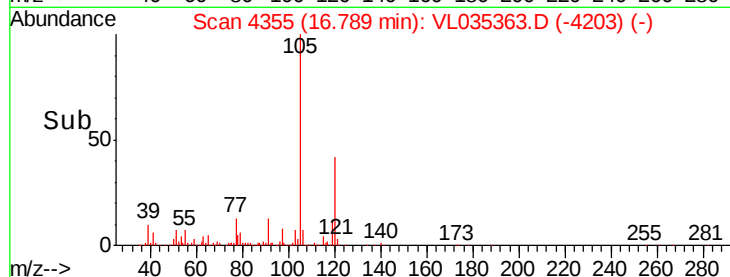


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VLO

Ion 77.10 (76.80 to 77.80): VLO



#76

1,4-Dichlorobenzene

Concen: 0.043 ppbv

RT: 17.16 min Scan# 4469

Delta R.T. -0.03 min

Lab File: VL035363.D

Acq: 6 Aug 2020 23:49

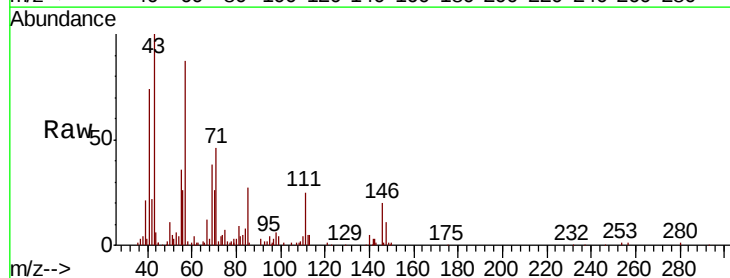
Tgt Ion:146 Resp: 10064

Ion Ratio Lower Upper

146 100

111 0.0 23.3 69.9#

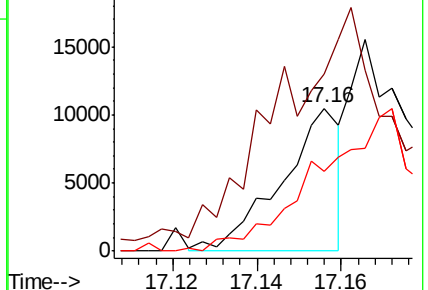
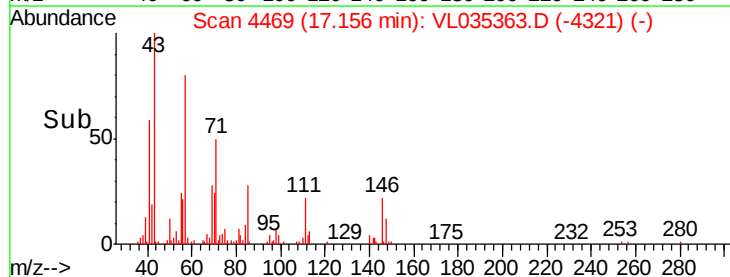
148 0.0 32.1 96.5#

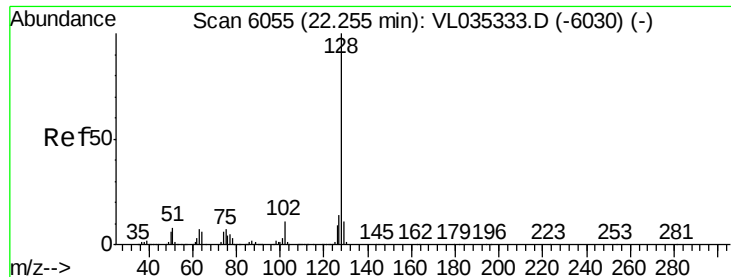


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#79

Naphthalene

Concen: 10.522 ppbv

RT: 22.24 min Scan# 6051

Delta R.T. -0.01 min

Lab File: VL035363.D

Acq: 6 Aug 2020 23:49

Instrument :

MSVOA_L

ClientSampled :

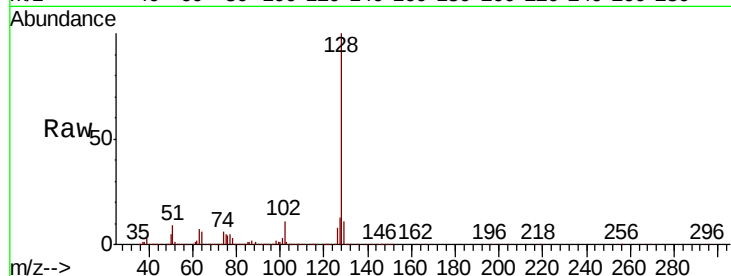
Tot Ion:128 Resp: 3159446

Ion Ratio Lower Upper

128 100

127 13.1 11.1 16.7

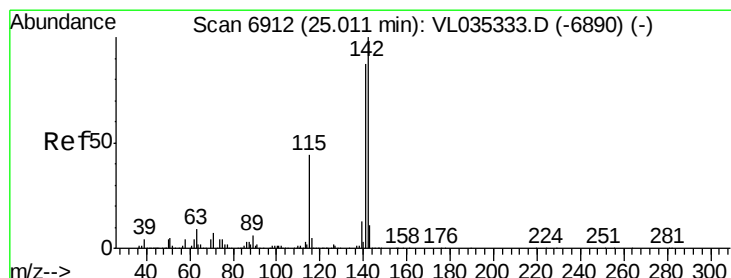
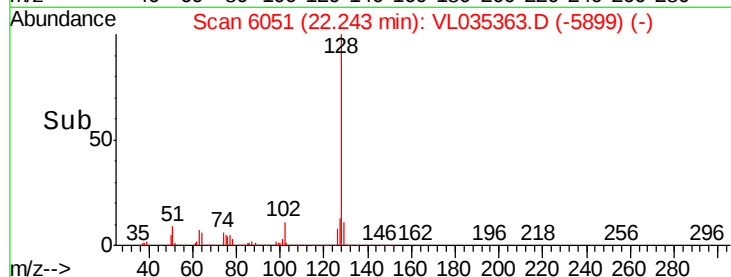
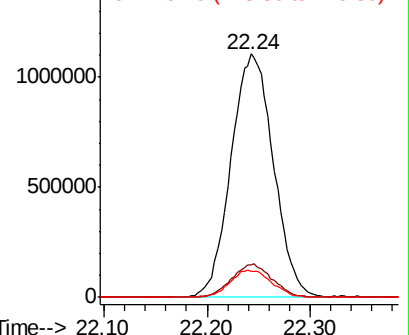
129 10.8 8.7 13.1



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: 3.411 ppbv

RT: 25.00 min Scan# 6910

Delta R.T. -0.01 min

Lab File: VL035363.D

Acq: 6 Aug 2020 23:49

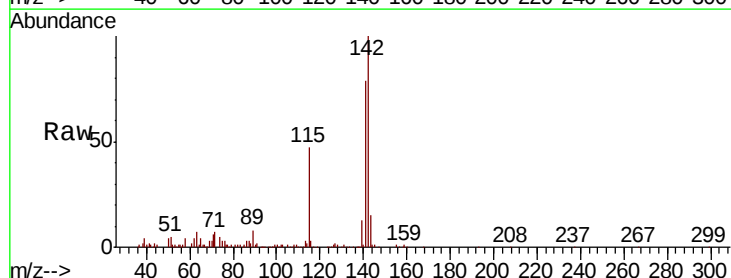
Tgt Ion:142 Resp: 232975

Ion Ratio Lower Upper

142 100

141 84.9 69.0 103.6

115 45.7 35.5 53.3



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

