

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100719\
 Data File : VL034233.D
 Acq On : 7 Oct 2019 22:17
 Operator : SY/AP
 Sample : K5225-04
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2

Quant Time: Oct 09 02:22:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 18 12:53:31 2019
 QLast Update : Wed Sep 18 12:53:31 2019
 Response via : Initial Calibration

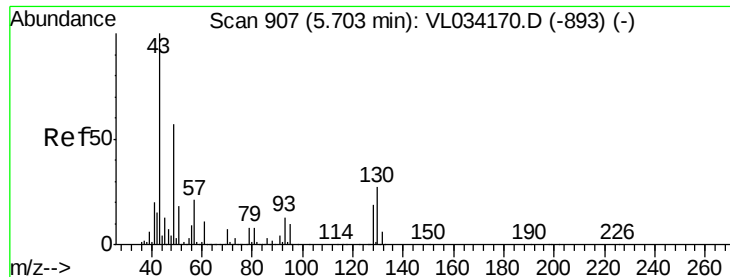
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1127237	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.21	114	1835365	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.15	117	1899614	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1769509	10.72	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	106550	0.640	ppbv	96
3) Chlorodifluoromethane	2.97	51	1389589	10.514	ppbv	98
4) Chloromethane	3.12	50	56465	0.727	ppbv	100
7) Chloroethane	3.55	64	6493	0.262	ppbv	92
9) Propene	3.00	41	124449	1.908	ppbv #	73
10) Heptane	8.17	43	52357	0.308	ppbv	97
11) Trichlorofluoromethane	3.95	101	40768	0.269	ppbv #	79
12) 1,1,2-Trichlorotrifluoroet	4.49	101	4484	0.045	ppbv #	43
13) Ethanol	3.60	45	2059479	130.427	ppbv	98
15) Acetone	3.84	43	2005170	13.272	ppbv	99
16) 1,3-Butadiene	3.31	39	3504	0.053	ppbv #	25
17) tert-Butyl alcohol	4.31	59	19848	0.207	ppbv	96
19) Isopropyl Alcohol	3.98	45	568932	6.124	ppbv #	1
20) Methylene Chloride	4.35	84	101173	2.323	ppbv	93
23) Vinyl Acetate	5.09	43	249406	1.120	ppbv #	74
25) Ethyl Acetate	5.70	43	202233	0.708	ppbv #	95
26) Hexane	5.71	57	127140	1.070	ppbv #	69
27) Carbon Disulfide	4.56	76	3971	0.036	ppbv #	68
29) Chloroform	5.78	83	61216	0.360	ppbv	97
30) Cyclohexane	7.16	84	2977	0.035	ppbv #	1
34) 2-Butanone	5.26	43	298166	1.591	ppbv	98
35) Carbon Tetrachloride	7.05	117	5064	0.033	ppbv #	21
36) Benzene	6.92	78	30889	0.152	ppbv	95
39) 1,2-Dichloropropane	7.21	63	605295	6.646	ppbv #	19
43) Methyl Methacrylate	8.06	69	100528	1.201	ppbv	93
44) 2,2,4-Trimethylpentane	7.90	57	18670	0.048	ppbv #	1
53) Toluene	9.86	91	166964	0.754	ppbv	95
58) Ethyl Benzene	12.79	91	13049	0.043	ppbv	95
59) m/p-Xylene	13.06	91	43868	0.173	ppbv #	32
60) o-Xylene	13.76	91	11223	0.044	ppbv #	1
69) p-Isopropyltoluene	17.72	119	17750	0.053	ppbv #	44
72) 4-Ethyltoluene	15.91	105	10237	0.036	ppbv #	44
73) 1,3,5-Trimethylbenzene	16.07	105	14325	0.052	ppbv	90
74) 1,2,4-Trimethylbenzene	16.83	105	40764	0.139	ppbv #	62
75) 1,3-Dichlorobenzene	17.25	146	12713166	80.540	ppbv	84
76) 1,4-Dichlorobenzene	17.25	146	12713166	78.644	ppbv	82
79) Naphthalene	22.31	128	58002	0.224	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 903

Delta R.T. -0.01 min

Lab File: VL034233.D

Acq: 7 Oct 2019 22:17

Instrument :

MSVOA_L

ClientSampleId :

IA2

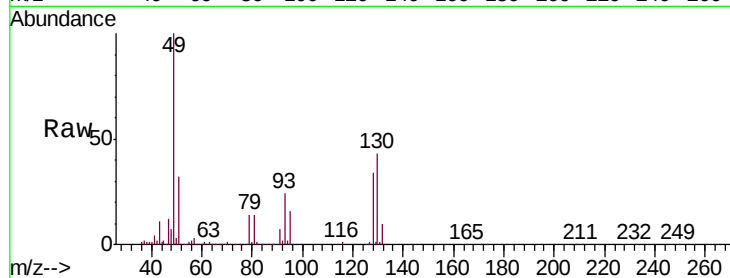
Tgt Ion: 49 Resp: 1127237

Ion Ratio Lower Upper

49 100

128 35.0 17.6 52.9

130 44.5 22.3 66.9



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.69

800000

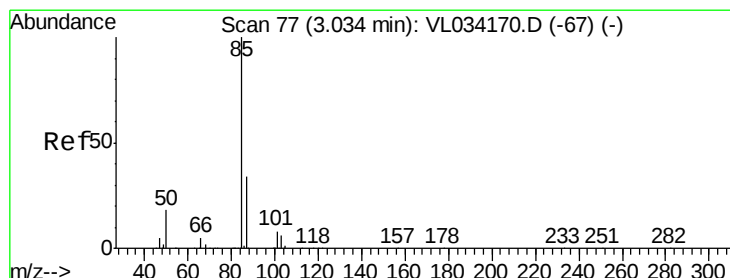
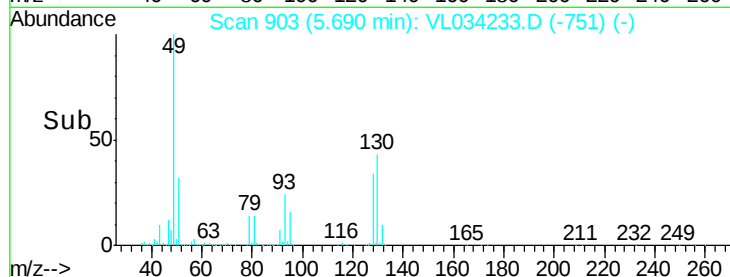
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.640 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.00 min

Lab File: VL034233.D

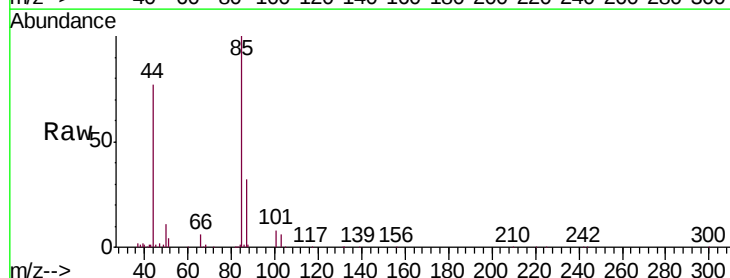
Acq: 7 Oct 2019 22:17

Tgt Ion: 85 Resp: 106550

Ion Ratio Lower Upper

85 100

87 31.8 27.2 40.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.03

100000

80000

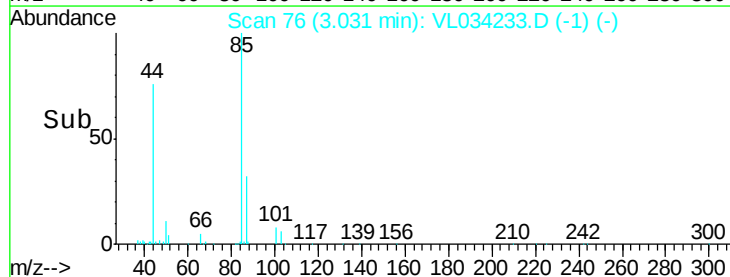
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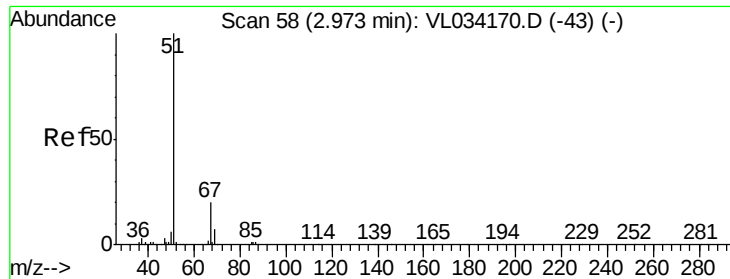
40000

20000

0

Time-->





#3

Chlorodifluoromethane

Concen: 10.514 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.01 min

Lab File: VL034233.D

Acq: 7 Oct 2019 22:17

Instrument :

MSVOA_L

ClientSampled :

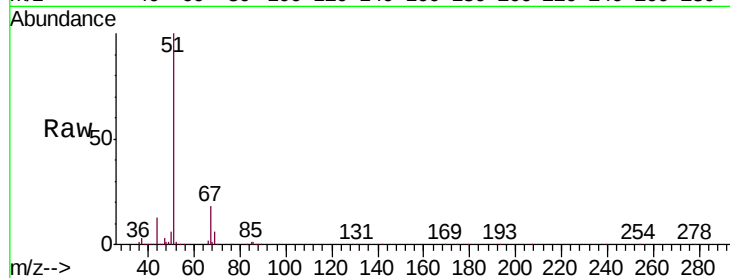
IA2

Tgt Ion: 51 Resp: 1389589

Ion Ratio Lower Upper

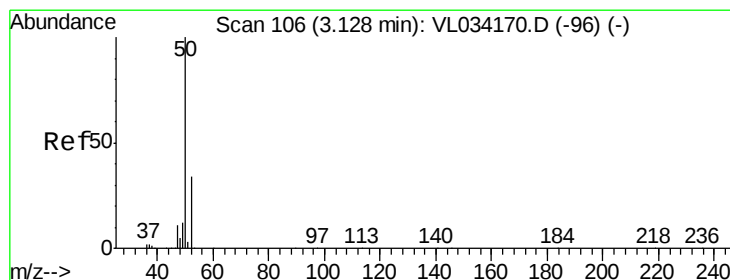
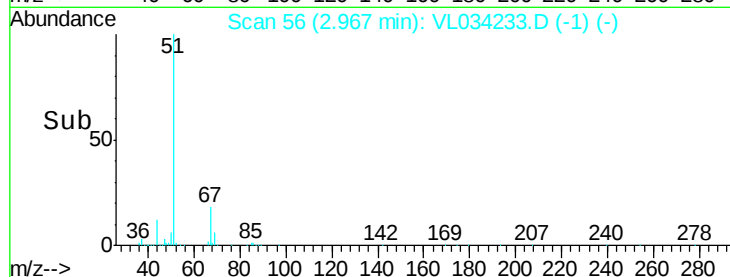
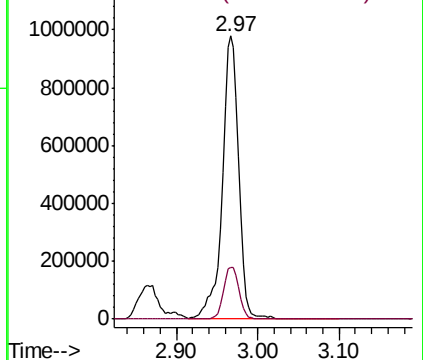
51 100

67 17.5 14.8 22.2



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.727 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.01 min

Lab File: VL034233.D

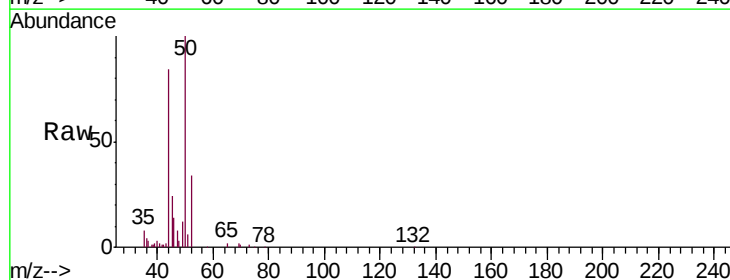
Acq: 7 Oct 2019 22:17

Tgt Ion: 50 Resp: 56465

Ion Ratio Lower Upper

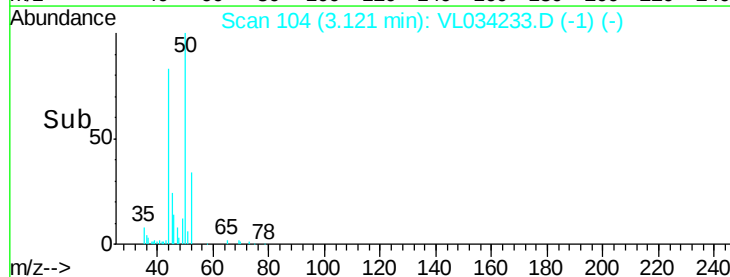
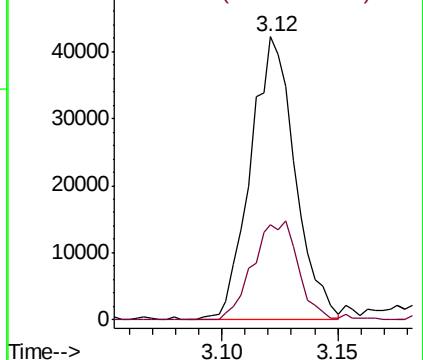
50 100

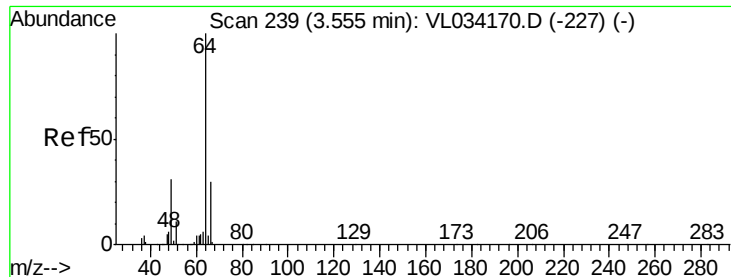
52 33.7 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#7

Chloroethane

Concen: 0.262 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.01 min

Lab File: VL034233.D

Acq: 7 Oct 2019 22:17

Instrument :

MSVOA_L

ClientSampleId :

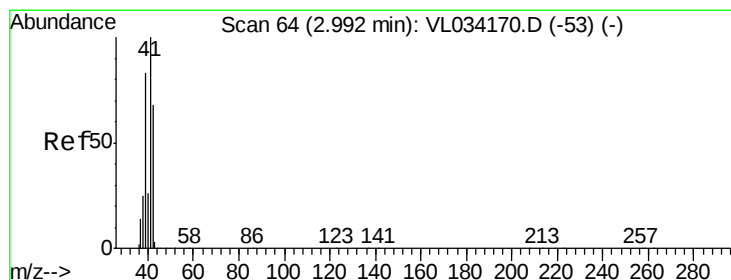
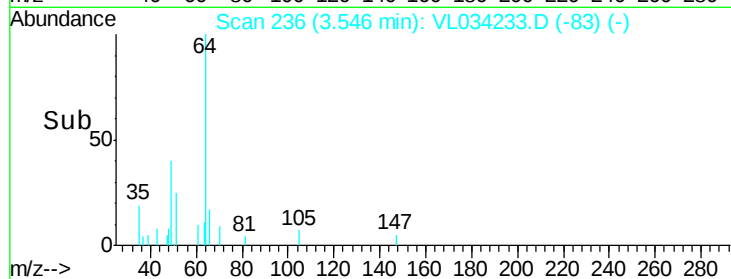
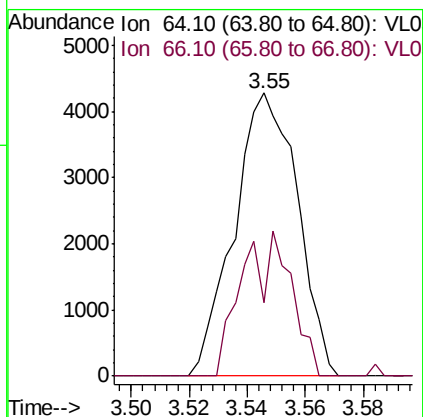
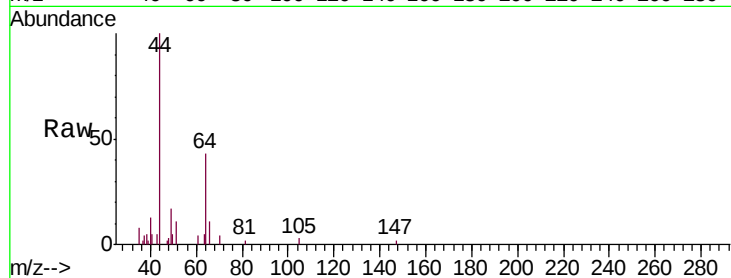
IA2

Tgt Ion: 64 Resp: 6493

Ion Ratio Lower Upper

64 100

66 26.0 24.2 36.4



#9

Propene

Concen: 1.908 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.01 min

Lab File: VL034233.D

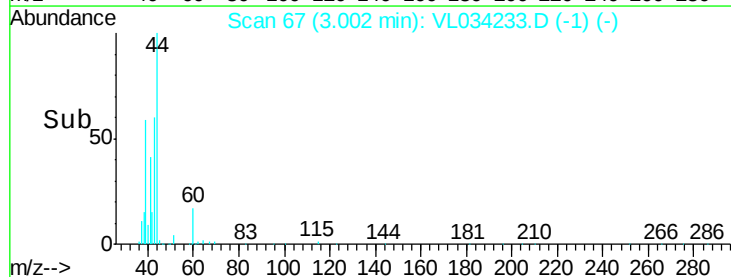
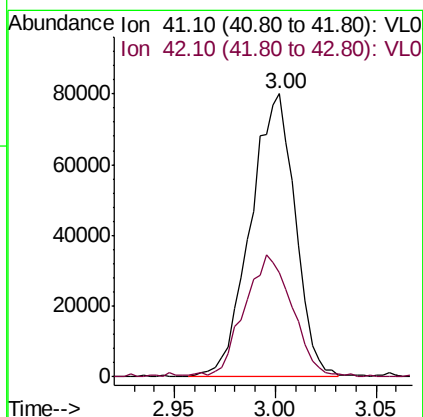
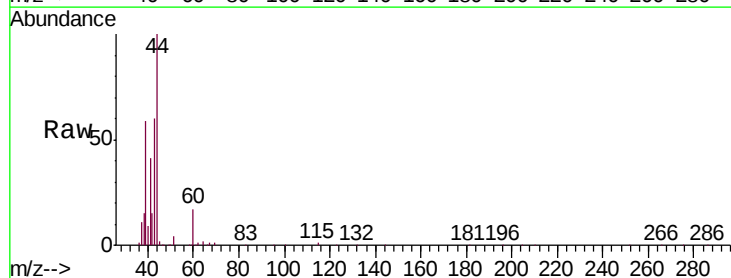
Acq: 7 Oct 2019 22:17

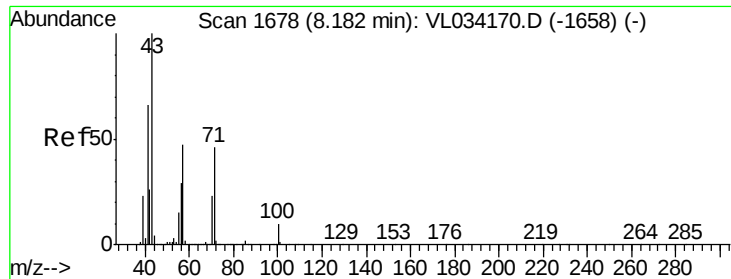
Tgt Ion: 41 Resp: 124449

Ion Ratio Lower Upper

41 100

42 47.2 55.8 83.6#

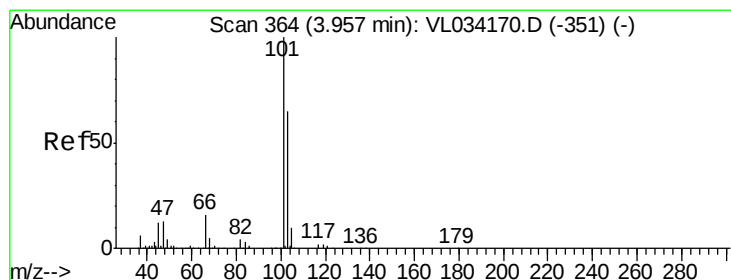
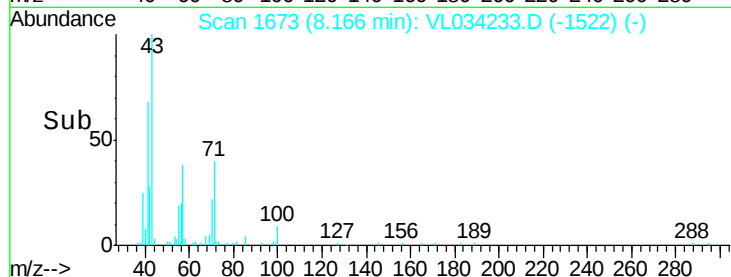
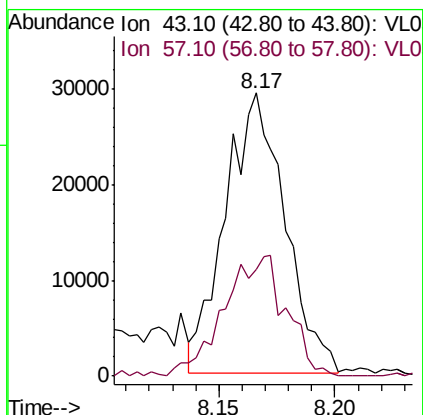
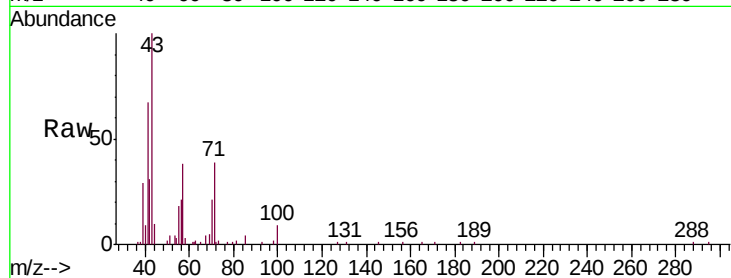




#10
 Heptane
 Concen: 0.308 ppbv
 RT: 8.17 min Scan# 1673
 Delta R.T. -0.02 min
 Lab File: VL034233.D
 Acq: 7 Oct 2019 22:17

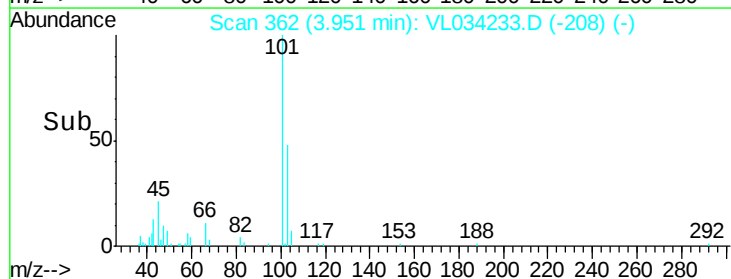
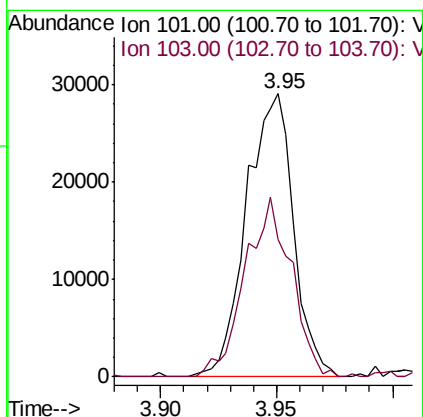
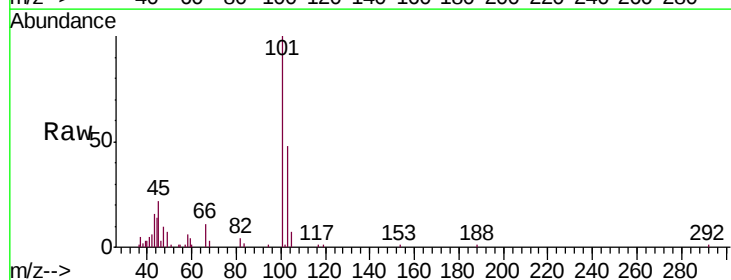
Instrument :
 MSVOA_L
 ClientSampleId :
 IA2

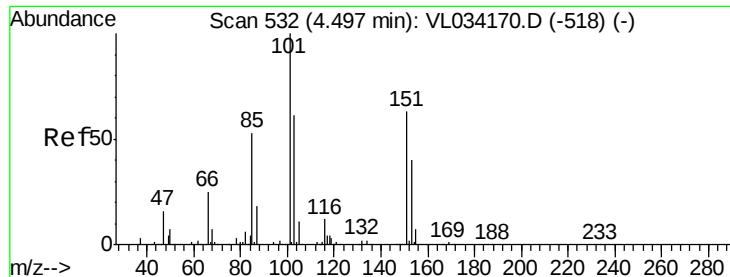
Tgt Ion: 43 Resp: 52357
 Ion Ratio Lower Upper
 43 100
 57 45.0 37.5 56.3



#11
 Trichlorofluoromethane
 Concen: 0.269 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. -0.01 min
 Lab File: VL034233.D
 Acq: 7 Oct 2019 22:17

Tgt Ion: 101 Resp: 40768
 Ion Ratio Lower Upper
 101 100
 103 48.5 52.1 78.1#





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.045 ppbv

RT: 4.49 min Scan# 530

Delta R.T. -0.01 min

Lab File: VL034233.D

Acq: 7 Oct 2019 22:17

Instrument :

MSVOA_L

ClientSampleId :

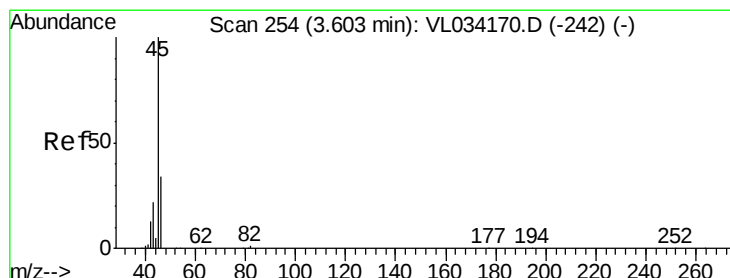
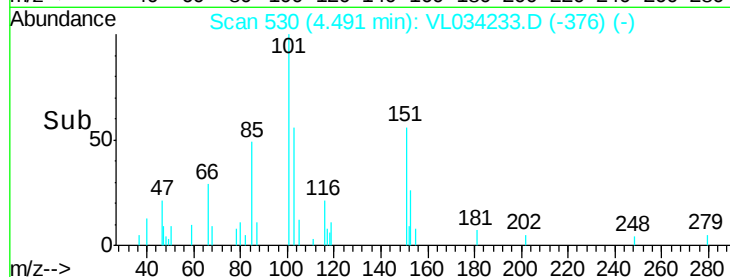
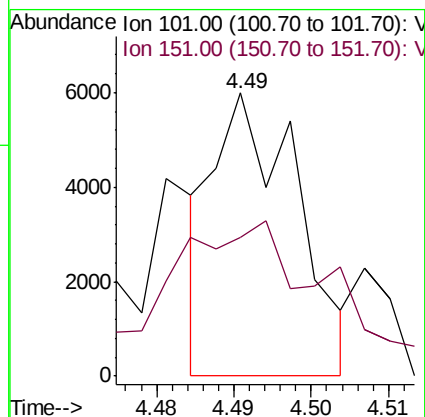
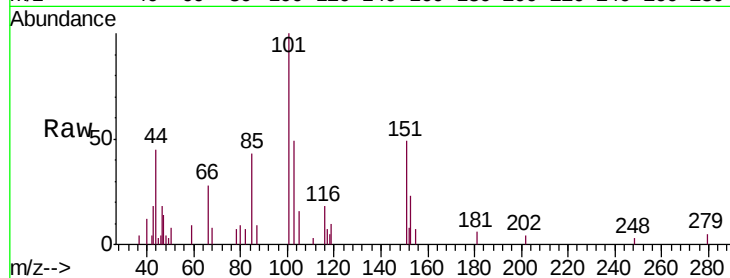
IA2

Tgt Ion:101 Resp: 4484

Ion Ratio Lower Upper

101 100

151 109.7 51.8 77.8#



#13

Ethanol

Concen: 130.427 ppbv

RT: 3.60 min Scan# 254

Delta R.T. 0.00 min

Lab File: VL034233.D

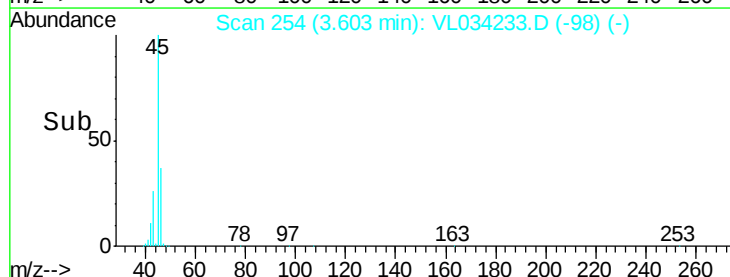
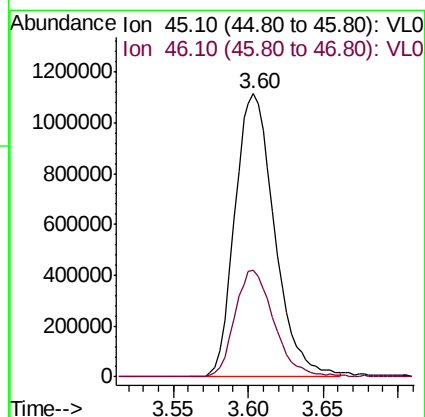
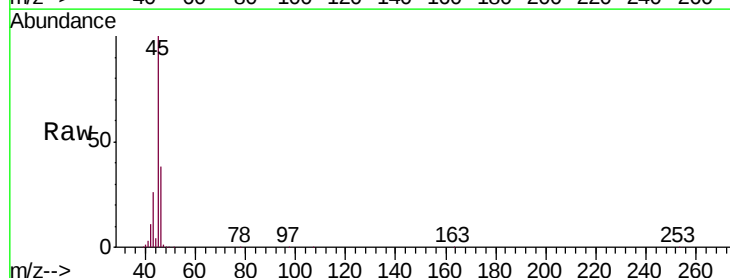
Acq: 7 Oct 2019 22:17

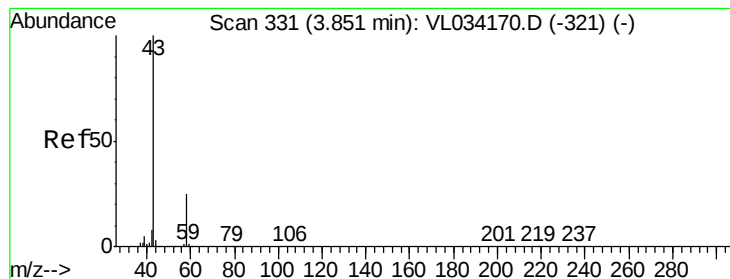
Tgt Ion: 45 Resp: 2059479

Ion Ratio Lower Upper

45 100

46 37.4 15.5 61.9





#15

Acetone

Concen: 13.272 ppbv

RT: 3.84 min Scan# 327

Delta R.T. -0.01 min

Lab File: VL034233.D

Acq: 7 Oct 2019 22:17

Instrument :

MSVOA_L

ClientSampleId :

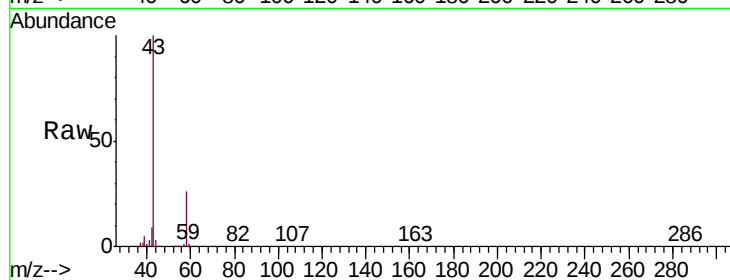
IA2

Tgt Ion: 43 Resp: 2005170

Ion Ratio Lower Upper

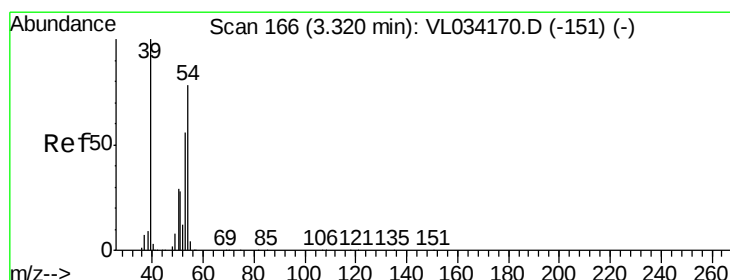
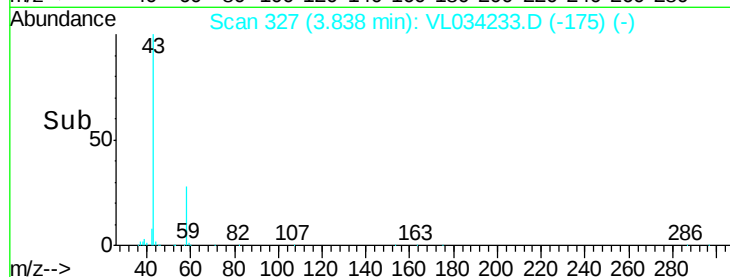
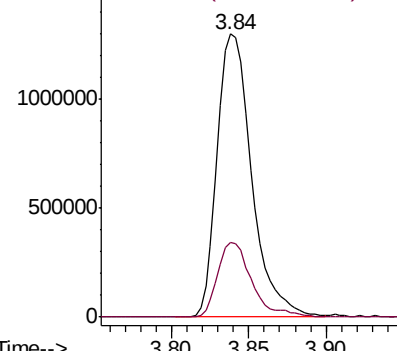
43 100

58 26.4 20.5 30.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.053 ppbv

RT: 3.31 min Scan# 162

Delta R.T. -0.01 min

Lab File: VL034233.D

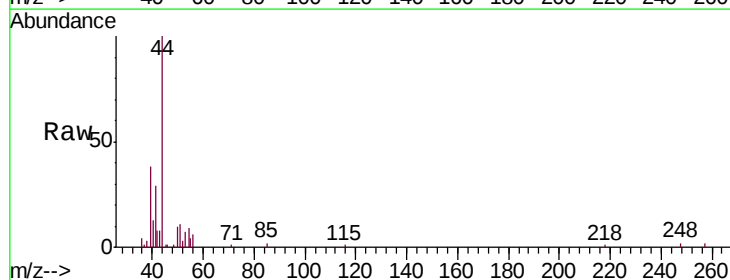
Acq: 7 Oct 2019 22:17

Tgt Ion: 39 Resp: 3504

Ion Ratio Lower Upper

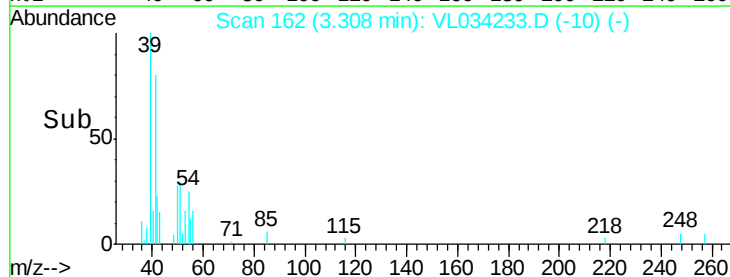
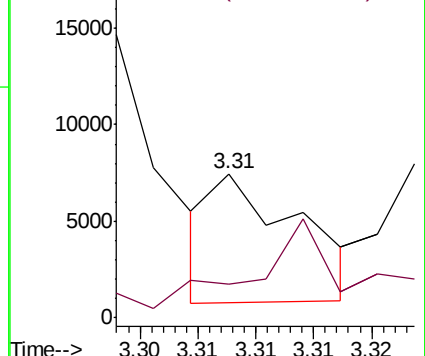
39 100

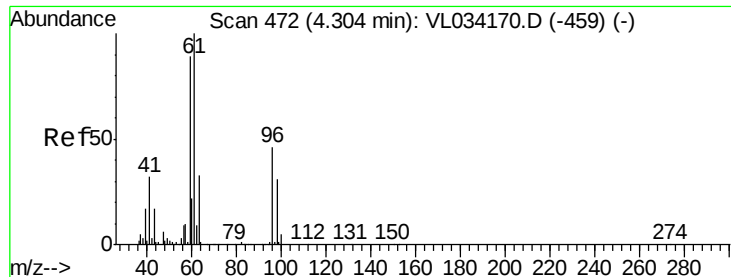
54 145.0 63.4 95.0#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0



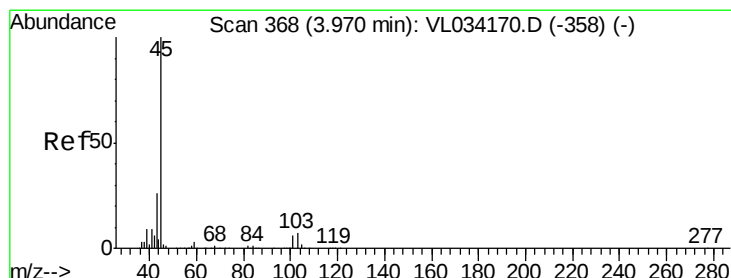
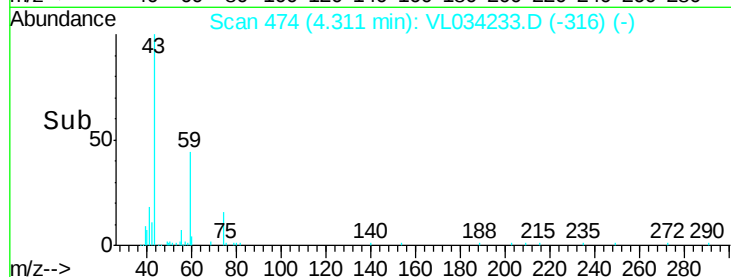
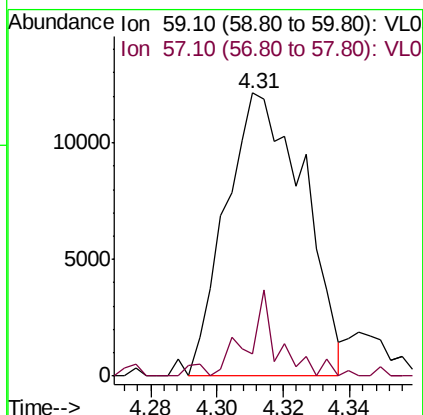
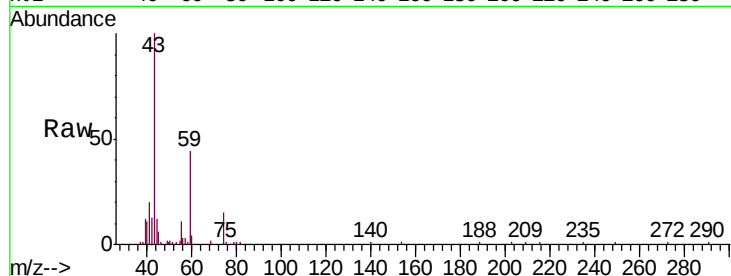


#17

tert-Butyl alcohol
Concen: 0.207 ppbv
RT: 4.31 min Scan# 474
Delta R.T. 0.01 min
Lab File: VL034233.D
Acq: 7 Oct 2019 22:17

Instrument :
MSVOA_L
ClientSampled :
IA2

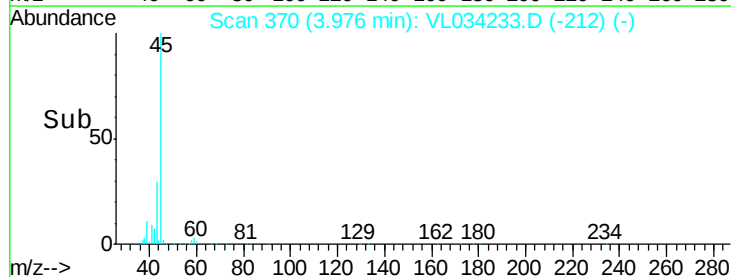
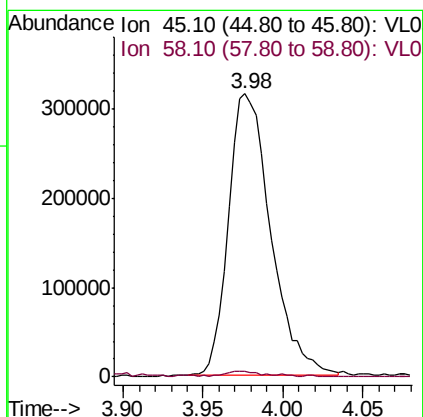
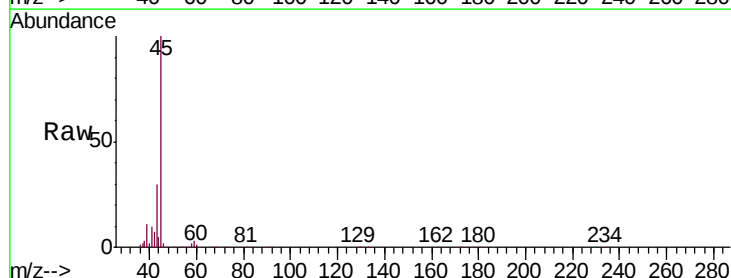
Tgt Ion: 59 Resp: 19848
Ion Ratio Lower Upper
59 100
57 12.6 8.7 13.1

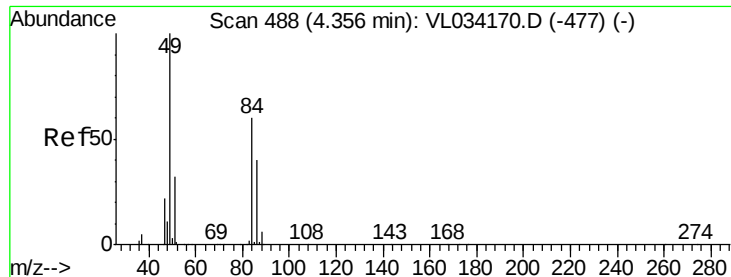


#19

Isopropyl Alcohol
Concen: 6.124 ppbv
RT: 3.98 min Scan# 370
Delta R.T. 0.01 min
Lab File: VL034233.D
Acq: 7 Oct 2019 22:17

Tgt Ion: 45 Resp: 568932
Ion Ratio Lower Upper
45 100
58 93.1 1.4 2.0#

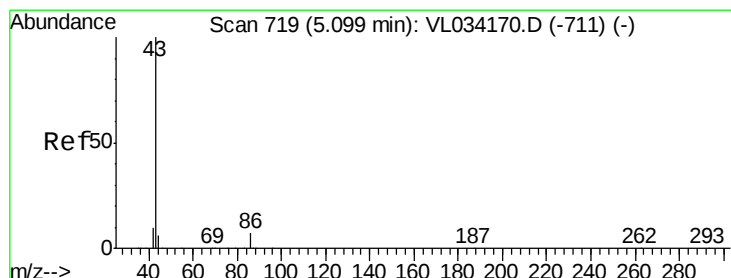
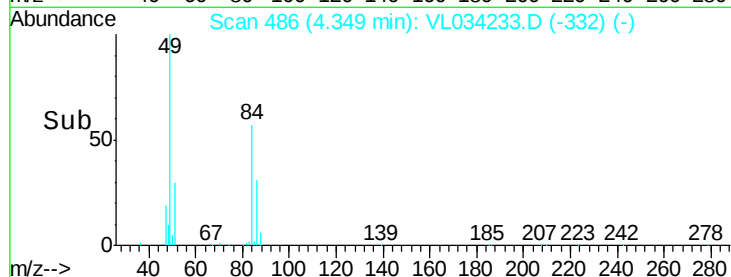
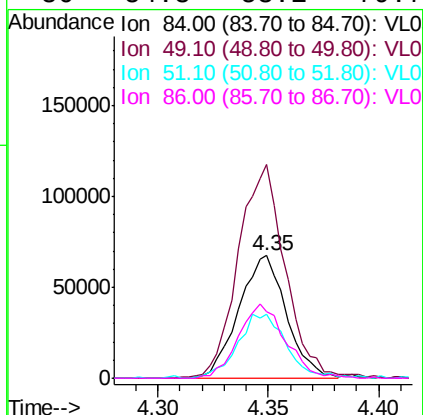
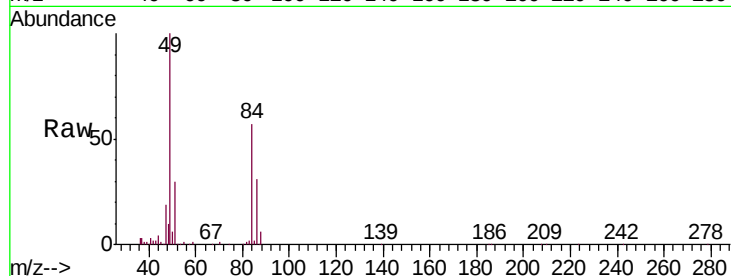




#20
Methylene Chloride
Concen: 2.323 ppbv
RT: 4.35 min Scan# 486
Delta R.T. -0.01 min
Lab File: VL034233.D
Acq: 7 Oct 2019 22:17

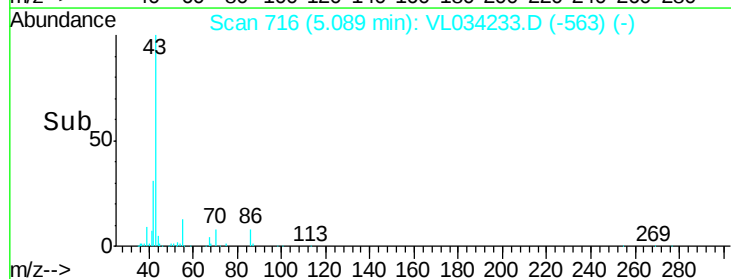
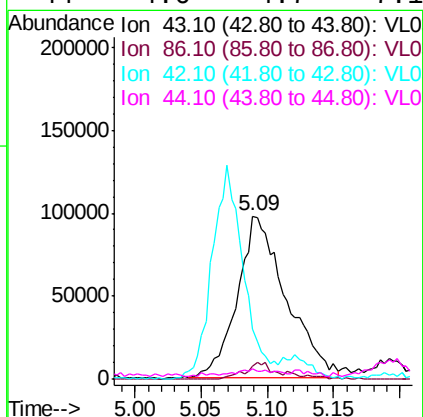
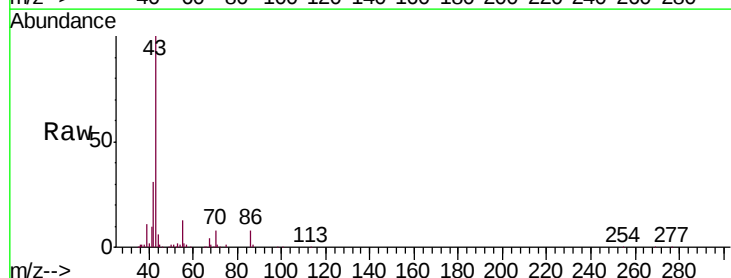
Instrument :
MSVOA_L
ClientSampleId :
IA2

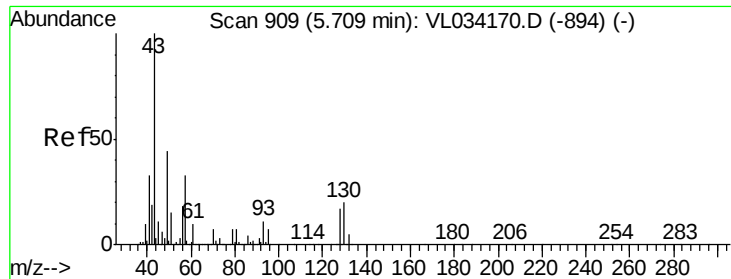
Tgt Ion:	84	Resp:	101173
Ion	Ratio	Lower	Upper
84	100		
49	173.6	133.8	200.8
51	52.1	43.6	65.4
86	54.8	53.1	79.7



#23
Vinyl Acetate
Concen: 1.120 ppbv
RT: 5.09 min Scan# 716
Delta R.T. -0.01 min
Lab File: VL034233.D
Acq: 7 Oct 2019 22:17

Tgt Ion:	43	Resp:	249406
Ion	Ratio	Lower	Upper
43	100		
86	7.8	5.1	7.7#
42	29.9	8.6	12.8#
44	4.6	4.7	7.1#

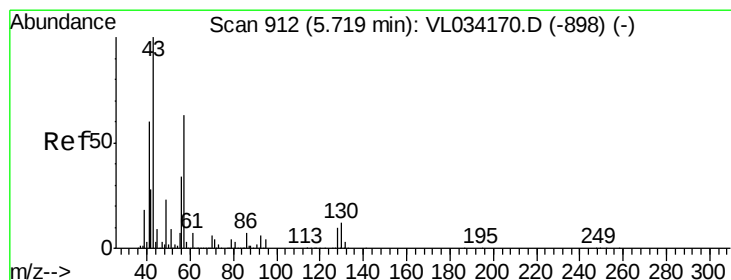
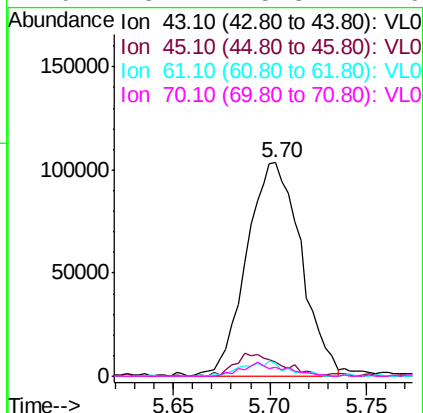
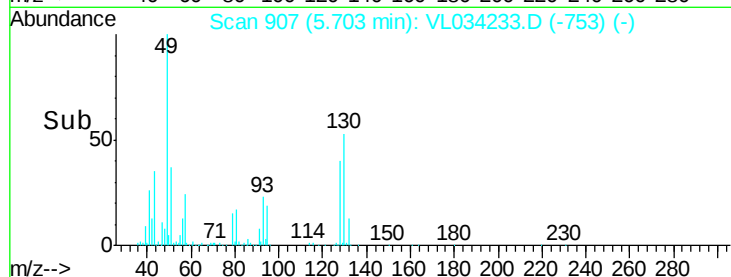
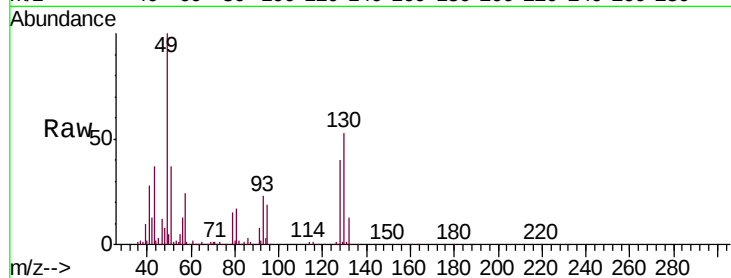




#25
Ethyl Acetate
Concen: 0.708 ppbv
RT: 5.70 min Scan# 907
Delta R.T. -0.01 min
Lab File: VL034233.D
Acq: 7 Oct 2019 22:17

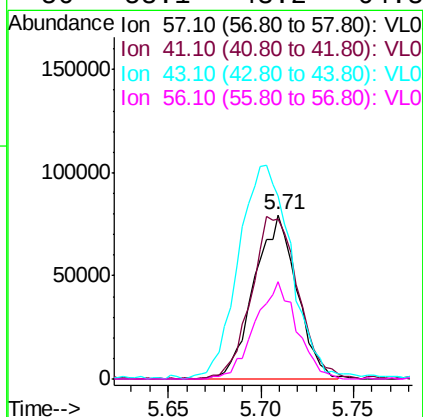
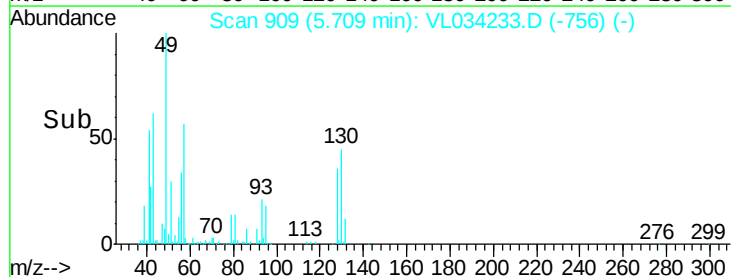
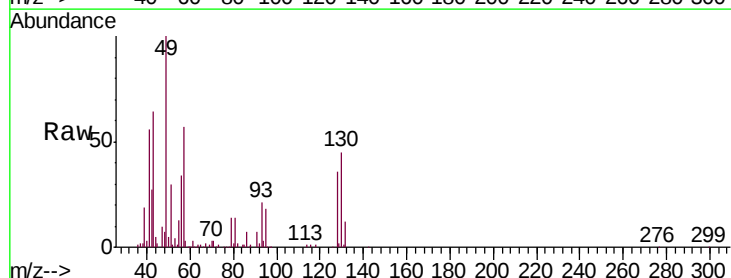
Instrument :
MSVOA_L
ClientSampleId :
IA2

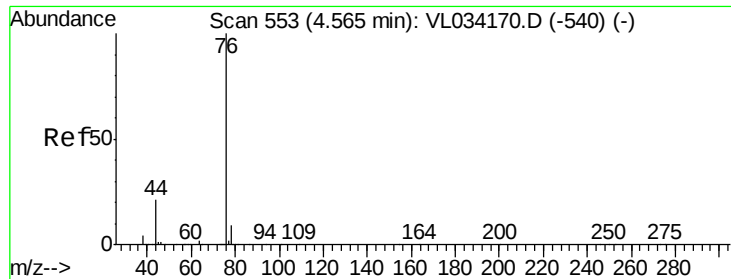
Tgt Ion:	43	Resp:	202233
Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.4	12.6
61	5.9	7.2	10.8#
70	5.2	5.3	7.9#



#26
Hexane
Concen: 1.070 ppbv
RT: 5.71 min Scan# 909
Delta R.T. -0.01 min
Lab File: VL034233.D
Acq: 7 Oct 2019 22:17

Tgt Ion:	57	Resp:	127140
Ion	Ratio	Lower	Upper
57	100		
41	108.7	78.5	117.7
43	160.8	189.5	284.3#
56	58.1	43.2	64.8

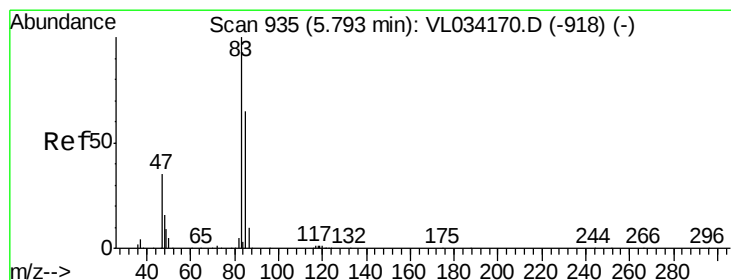
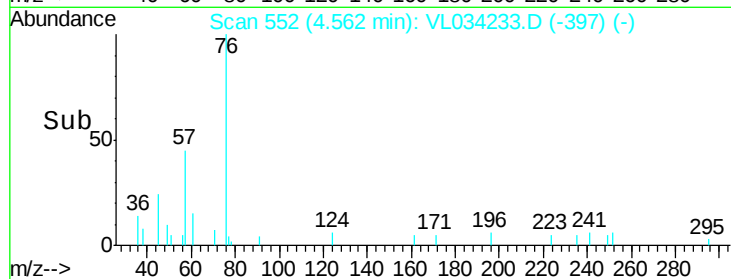
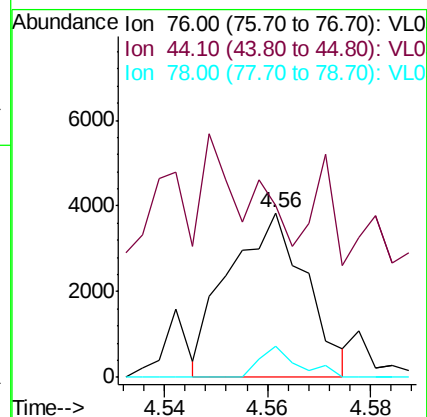
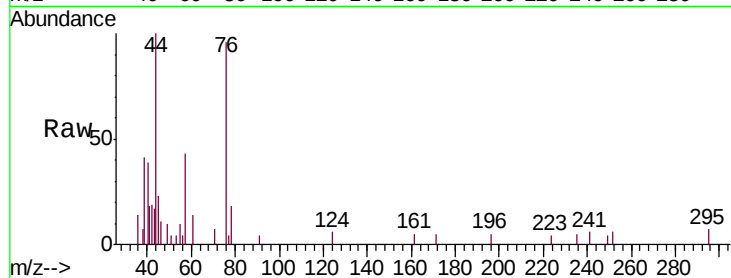




#27
Carbon Disulfide
Concen: 0.036 ppbv
RT: 4.56 min Scan# 552
Delta R.T. -0.00 min
Lab File: VL034233.D
Acq: 7 Oct 2019 22:17

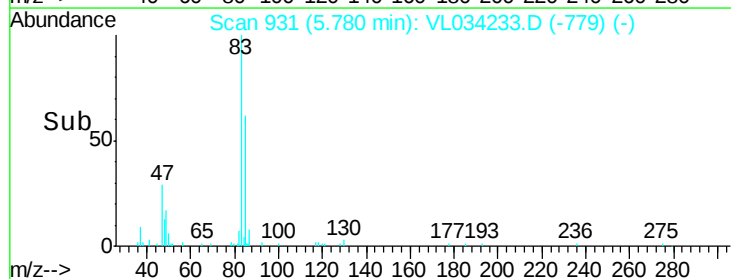
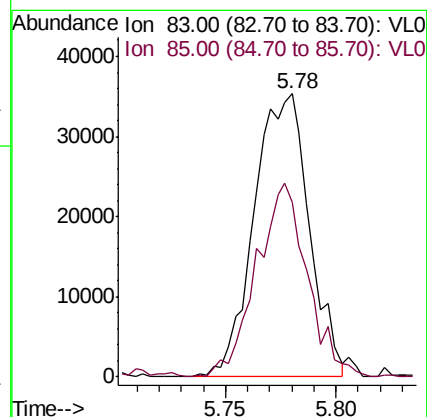
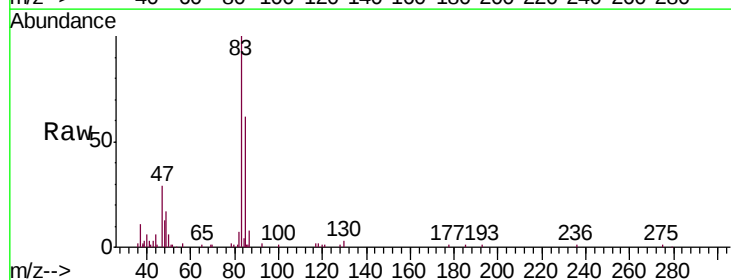
Instrument :
MSVOA_L
ClientSampled :
IA2

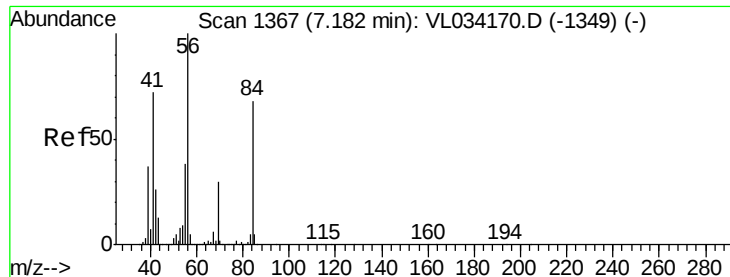
Tgt Ion: 76 Resp: 3971
Ion Ratio Lower Upper
76 100
44 0.0 17.6 26.4#
78 9.4 7.6 11.4



#29
Chloroform
Concen: 0.360 ppbv
RT: 5.78 min Scan# 931
Delta R.T. -0.01 min
Lab File: VL034233.D
Acq: 7 Oct 2019 22:17

Tgt Ion: 83 Resp: 61216
Ion Ratio Lower Upper
83 100
85 63.2 52.3 78.5

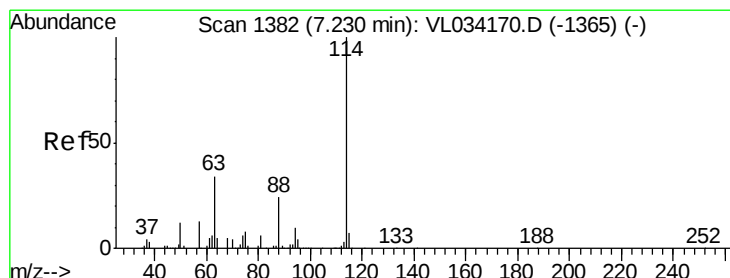
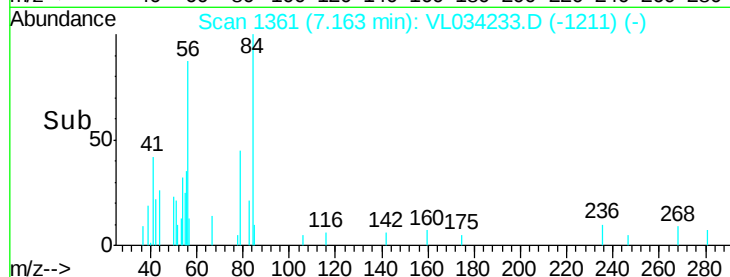
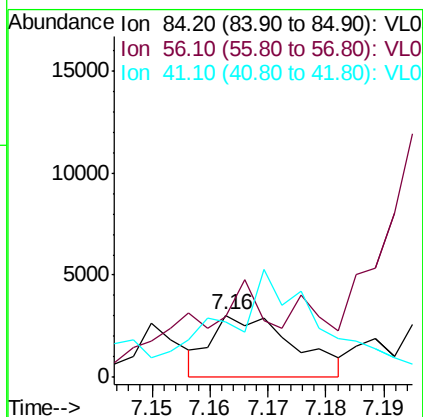
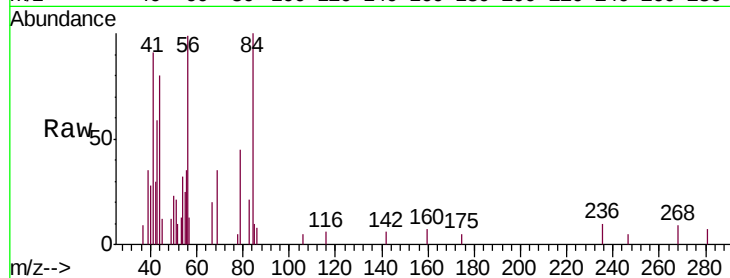




#30
Cyclohexane
Concen: 0.035 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. -0.02 min
Lab File: VL034233.D
Acq: 7 Oct 2019 22:17

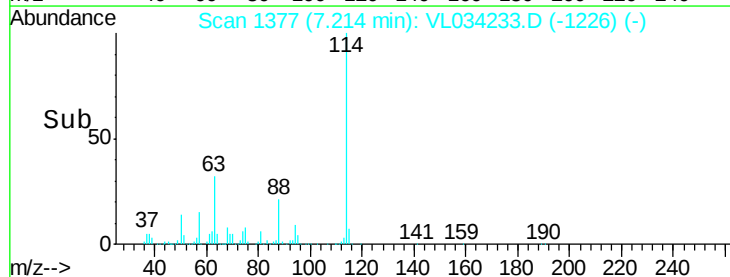
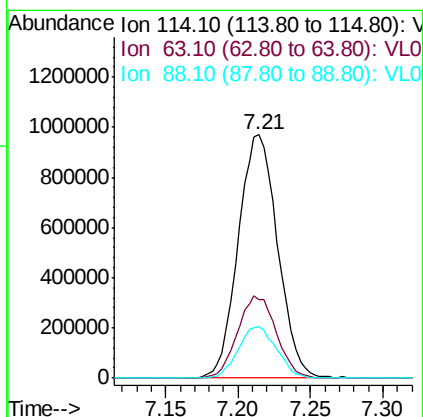
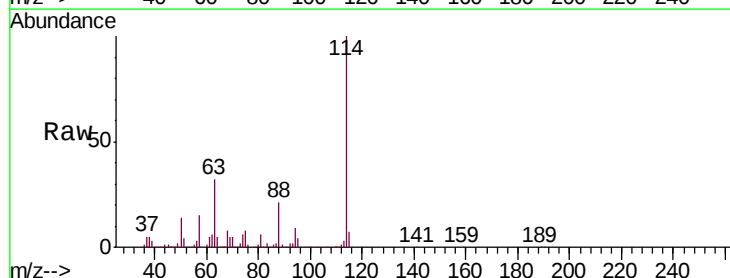
Instrument :
MSVOA_L
ClientSampleId :
IA2

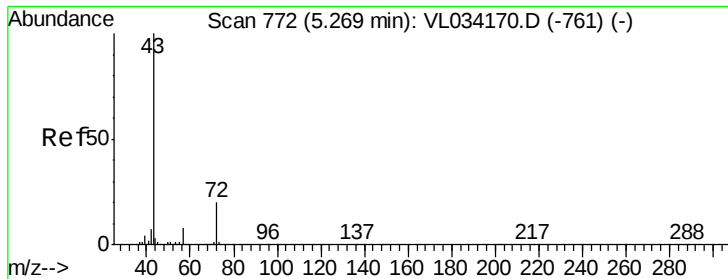
Tgt Ion: 84 Resp: 2977
Ion Ratio Lower Upper
84 100
56 0.0 126.2 189.2#
41 295.8 85.8 128.8#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.21 min Scan# 1377
Delta R.T. -0.02 min
Lab File: VL034233.D
Acq: 7 Oct 2019 22:17

Tgt Ion: 114 Resp: 1835365
Ion Ratio Lower Upper
114 100
63 33.2 27.8 41.6
88 20.7 17.1 25.7

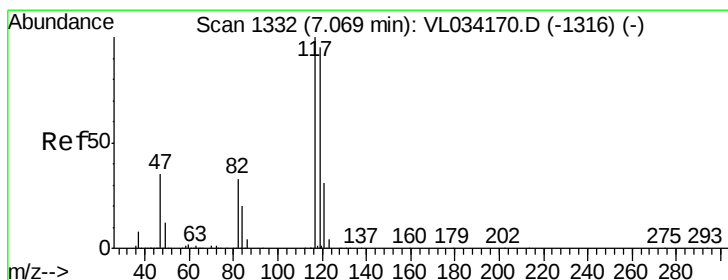
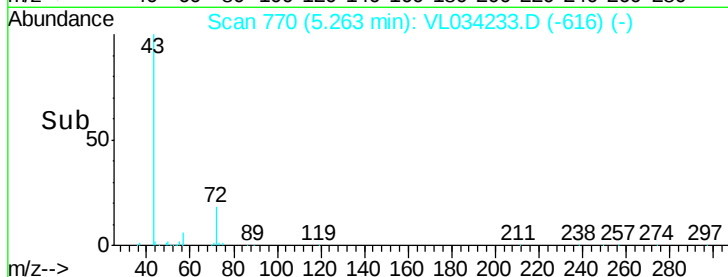
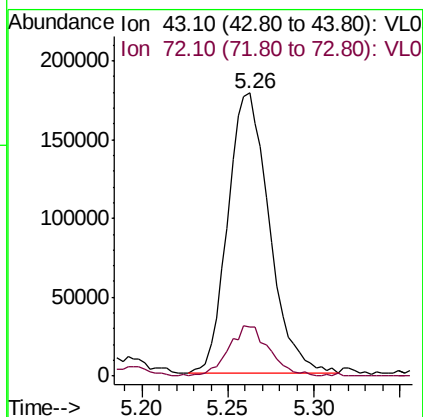
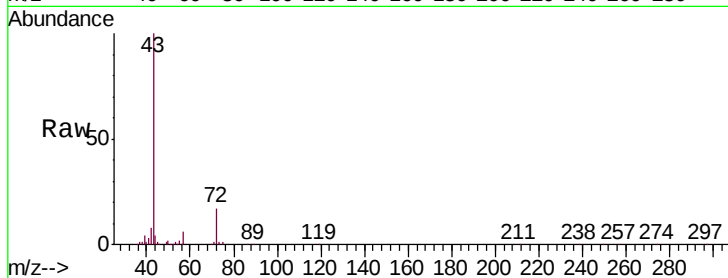




#34
2-Butanone
Concen: 1.591 ppbv
RT: 5.26 min Scan# 770
Delta R.T. -0.01 min
Lab File: VL034233.D
Acq: 7 Oct 2019 22:17

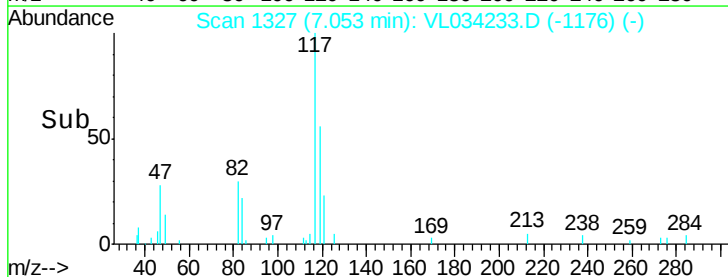
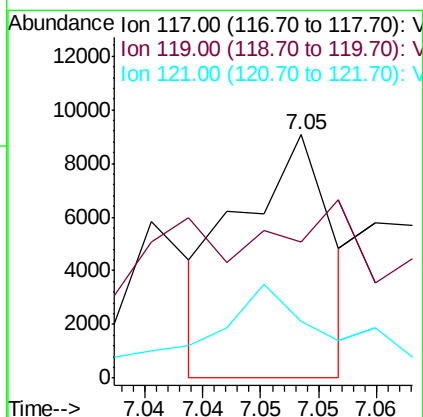
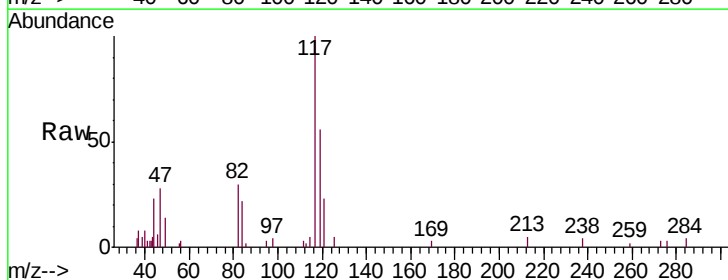
Instrument :
MSVOA_L
ClientSampleId :
IA2

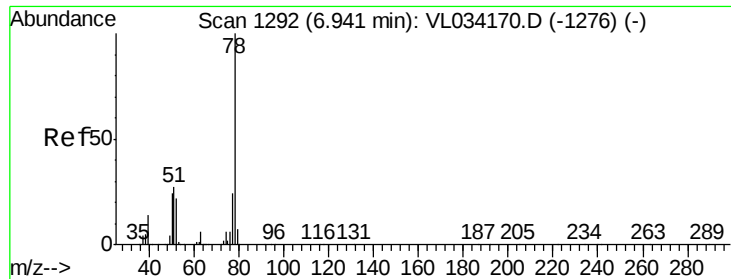
Tgt Ion: 43 Resp: 298166
Ion Ratio Lower Upper
43 100
72 18.0 15.0 22.6



#35
Carbon Tetrachloride
Concen: 0.033 ppbv
RT: 7.05 min Scan# 1327
Delta R.T. -0.02 min
Lab File: VL034233.D
Acq: 7 Oct 2019 22:17

Tgt Ion: 117 Resp: 5064
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 19.2 25.0 37.6#





#36

Benzene

Concen: 0.152 ppbv

RT: 6.92 min Scan# 1286

Delta R.T. -0.02 min

Lab File: VL034233.D

Acq: 7 Oct 2019 22:17

Instrument :

MSVOA_L

ClientSampleId :

IA2

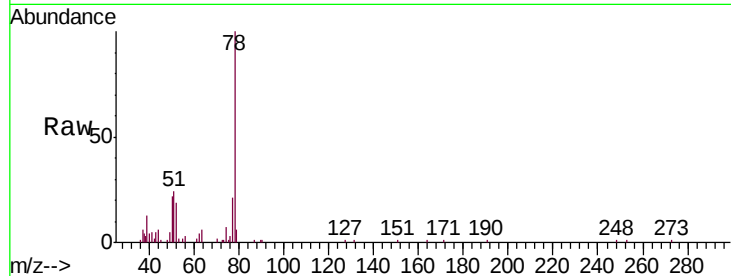
Tgt Ion: 78 Resp: 30889

Ion Ratio Lower Upper

78 100

77 20.9 19.0 28.4

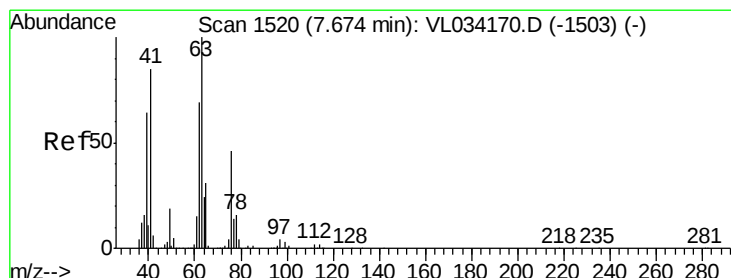
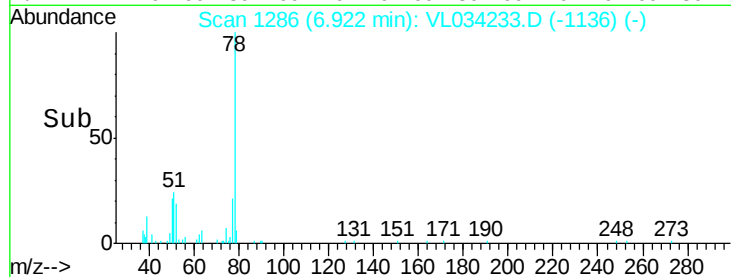
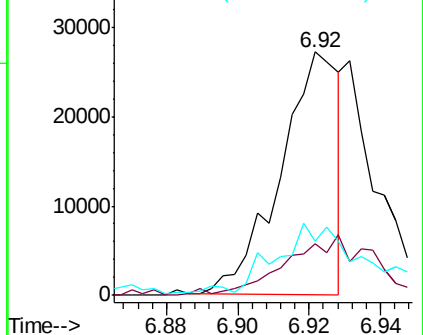
50 21.4 18.9 28.3



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



#39

1,2-Dichloropropane

Concen: 6.646 ppbv

RT: 7.21 min Scan# 1376

Delta R.T. -0.46 min

Lab File: VL034233.D

Acq: 7 Oct 2019 22:17

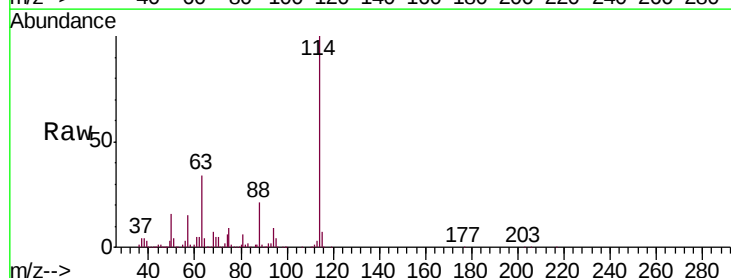
Tgt Ion: 63 Resp: 605295

Ion Ratio Lower Upper

63 100

41 0.0 68.4 102.6#

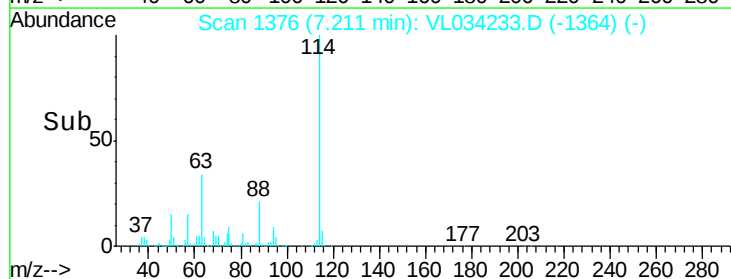
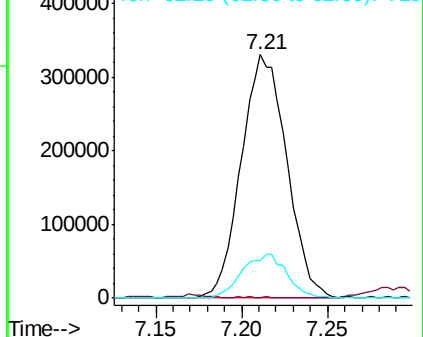
62 15.5 55.4 83.2#

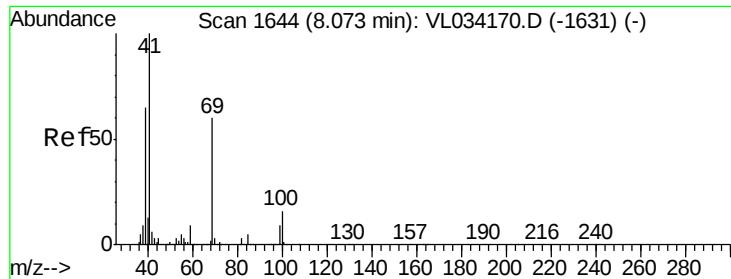


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

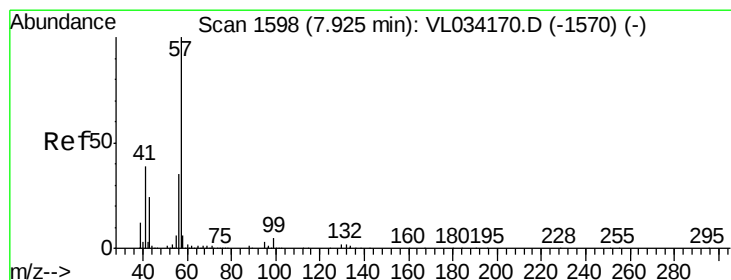
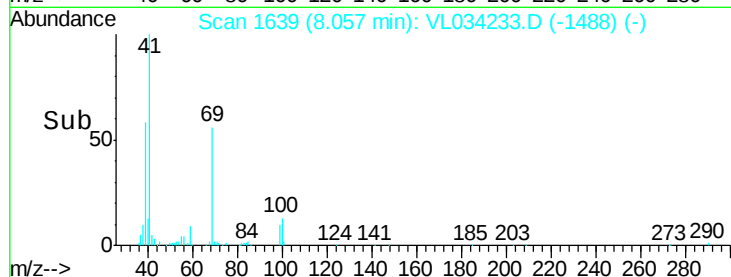
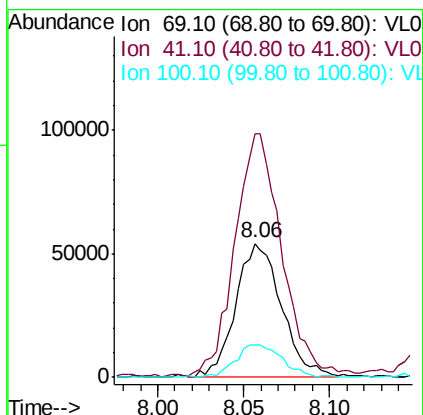
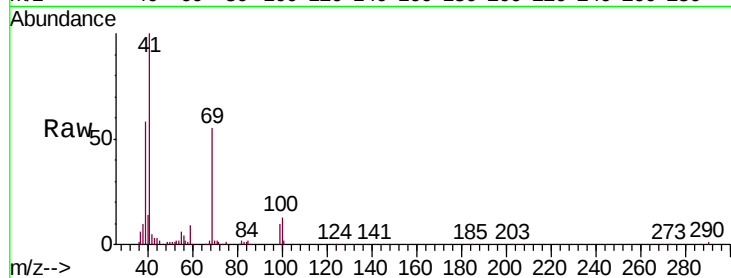




#43
Methyl Methacrylate
Concen: 1.201 ppbv
RT: 8.06 min Scan# 1639
Delta R.T. -0.02 min
Lab File: VL034233.D
Acq: 7 Oct 2019 22:17

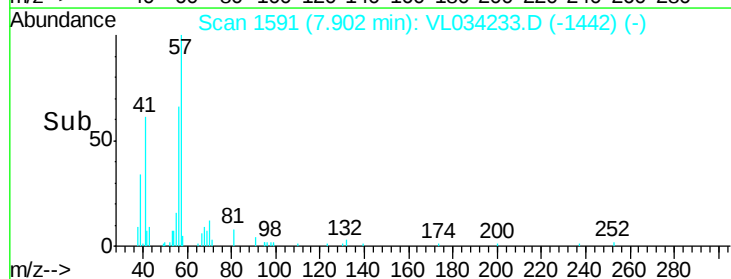
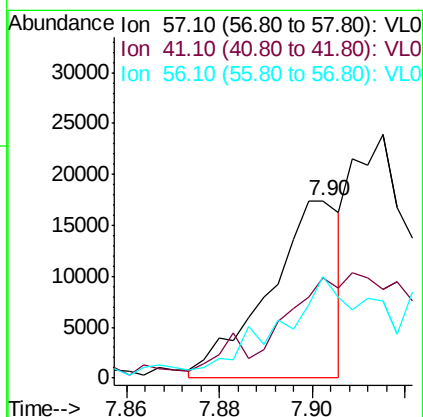
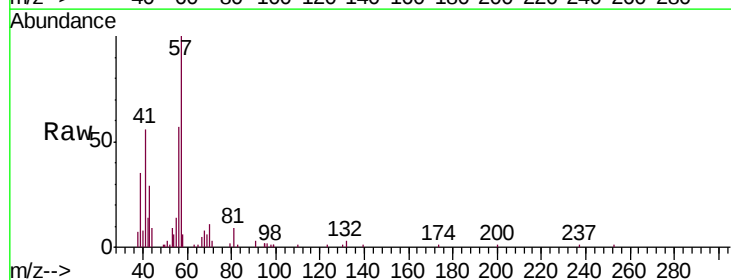
Instrument :
MSVOA_L
ClientSampleId :
IA2

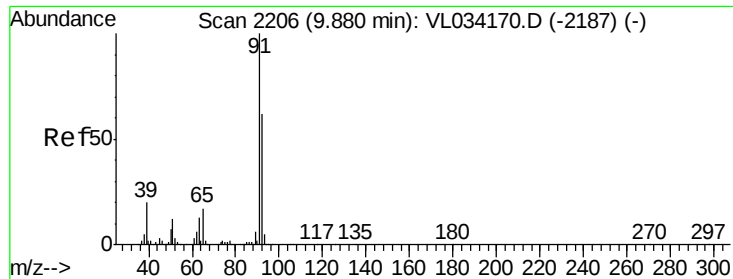
Tgt Ion: 69 Resp: 100528
Ion Ratio Lower Upper
69 100
41 186.5 140.4 210.6
100 25.1 21.9 32.9



#44
2,2,4-Trimethylpentane
Concen: 0.048 ppbv
RT: 7.90 min Scan# 1591
Delta R.T. -0.02 min
Lab File: VL034233.D
Acq: 7 Oct 2019 22:17

Tgt Ion: 57 Resp: 18670
Ion Ratio Lower Upper
57 100
41 133.3 29.8 44.6#
56 121.3 25.9 38.9#





#53

Toluene

Concen: 0.754 ppbv

RT: 9.86 min Scan# 2201

Delta R.T. -0.02 min

Lab File: VL034233.D

Acq: 7 Oct 2019 22:17

Instrument :

MSVOA_L

ClientSampleId :

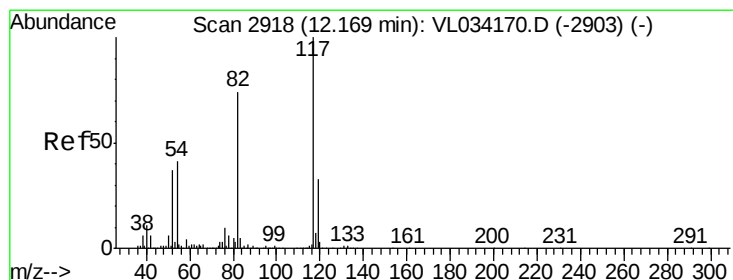
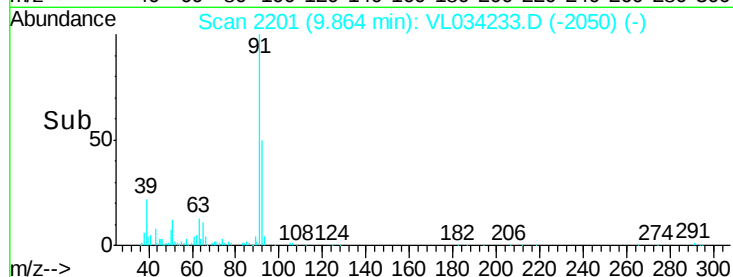
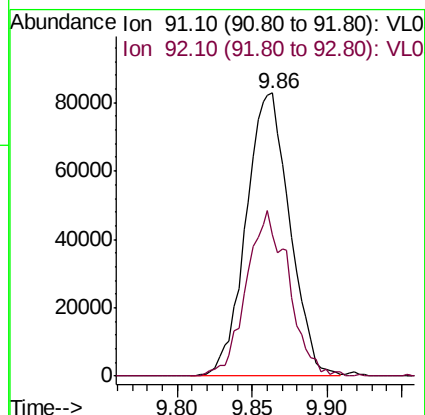
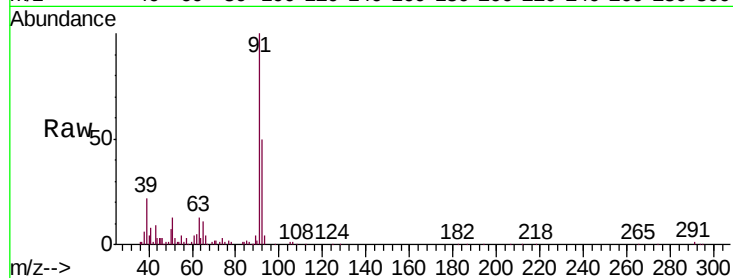
IA2

Tgt Ion: 91 Resp: 166964

Ion Ratio Lower Upper

91 100

92 57.5 49.0 73.6



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.15 min Scan# 2913

Delta R.T. -0.02 min

Lab File: VL034233.D

Acq: 7 Oct 2019 22:17

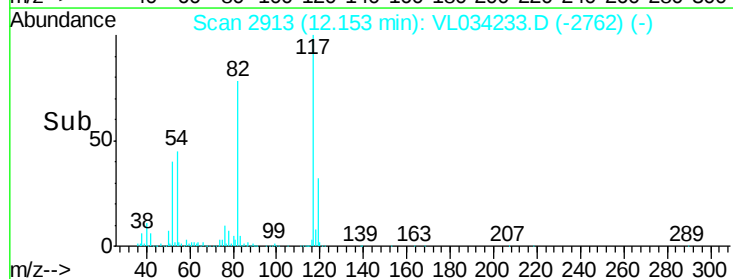
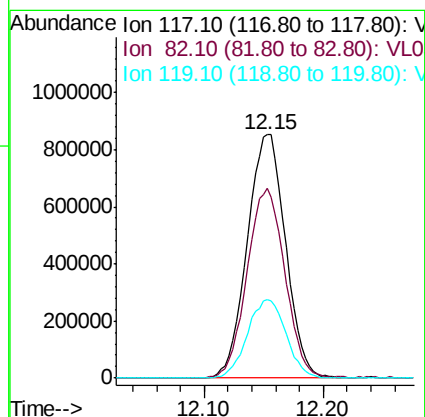
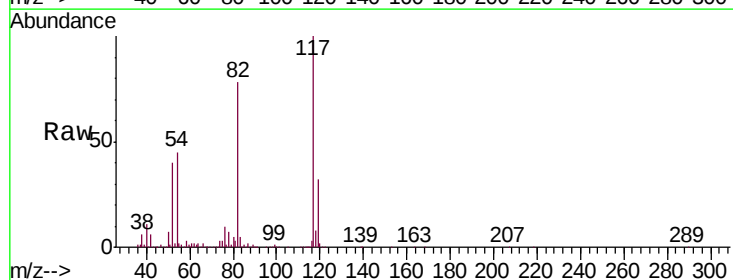
Tgt Ion: 117 Resp: 1899614

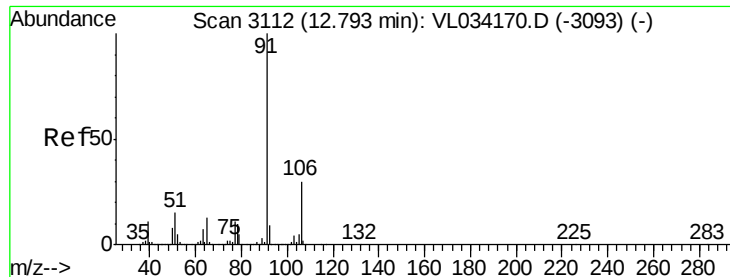
Ion Ratio Lower Upper

117 100

82 77.0 58.2 87.4

119 32.7 23.7 35.5





#58

Ethyl Benzene

Concen: 0.043 ppbv

RT: 12.79 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VL034233.D

Acq: 7 Oct 2019 22:17

Instrument :

MSVOA_L

ClientSampleId :

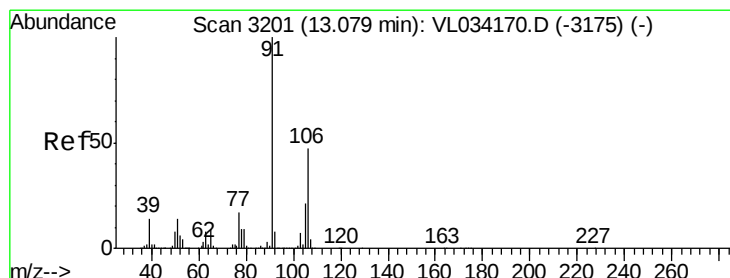
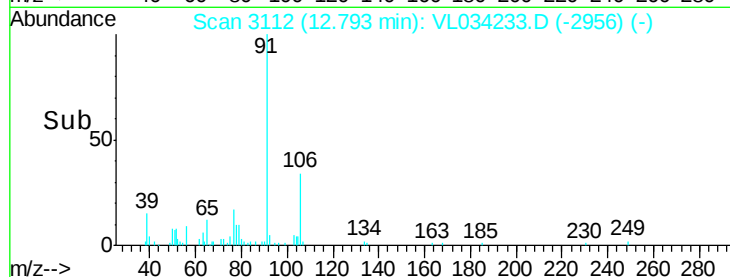
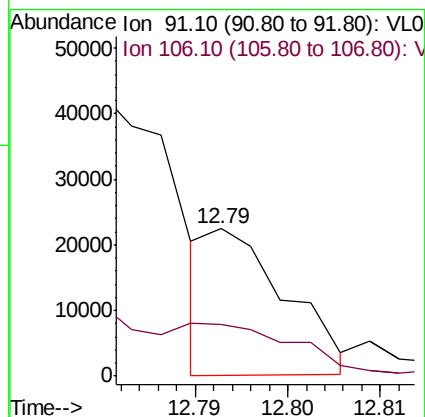
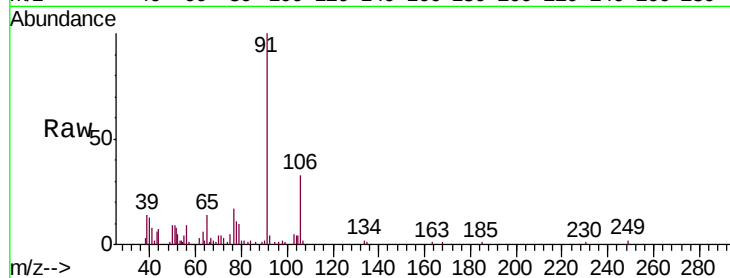
IA2

Tgt Ion: 91 Resp: 13049

Ion Ratio Lower Upper

91 100

106 33.1 24.2 36.4



#59

m/p-Xylene

Concen: 0.173 ppbv

RT: 13.06 min Scan# 3194

Delta R.T. -0.02 min

Lab File: VL034233.D

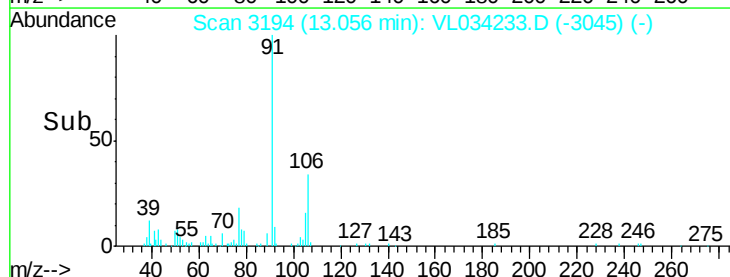
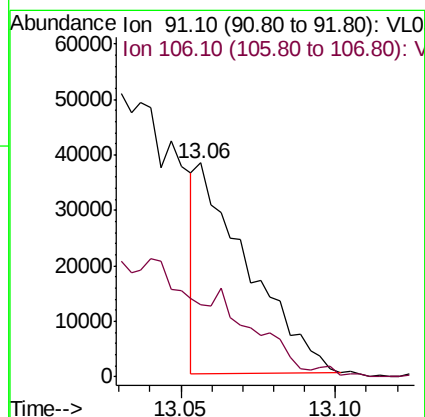
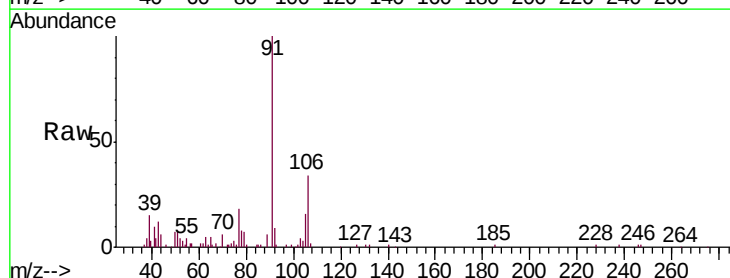
Acq: 7 Oct 2019 22:17

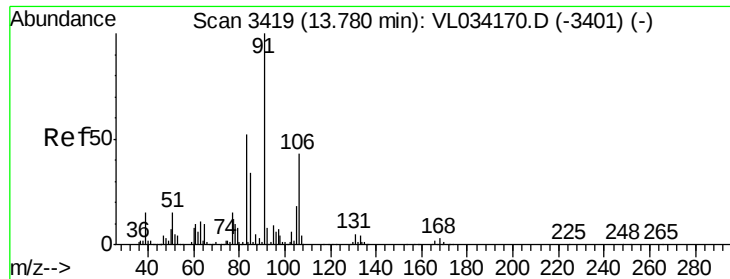
Tgt Ion: 91 Resp: 43868

Ion Ratio Lower Upper

91 100

106 0.0 35.5 53.3#

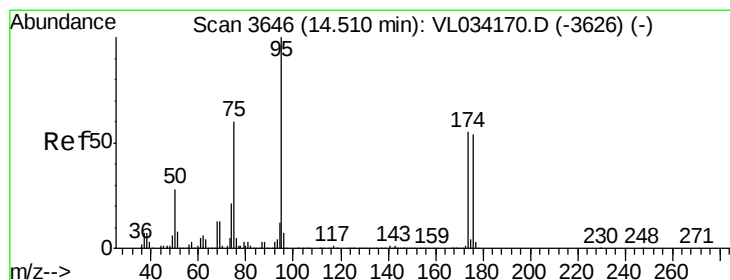
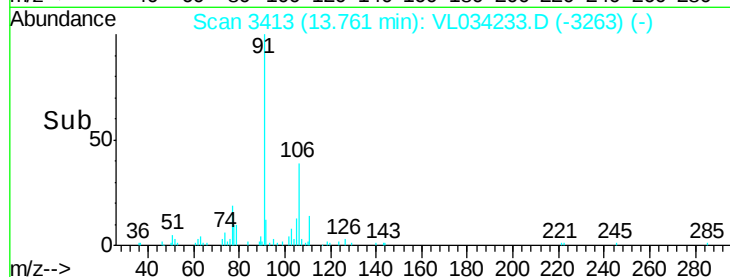
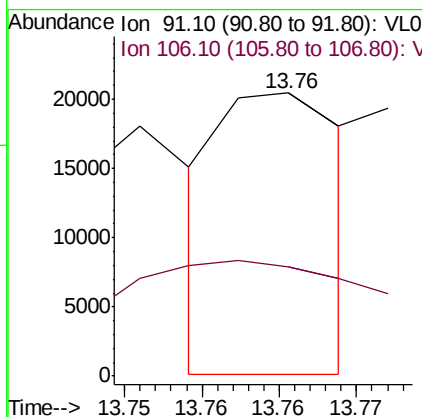
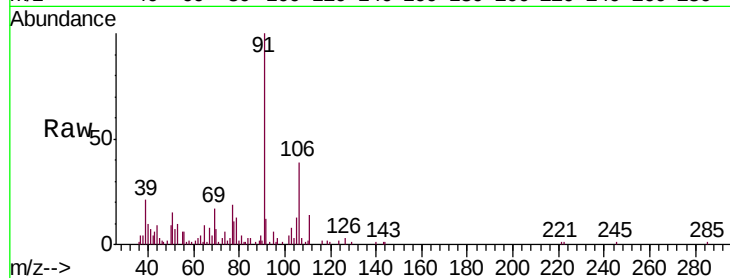




#60
o-Xylene
Concen: 0.044 ppbv
RT: 13.76 min Scan# 3413
Delta R.T. -0.02 min
Lab File: VL034233.D
Acq: 7 Oct 2019 22:17

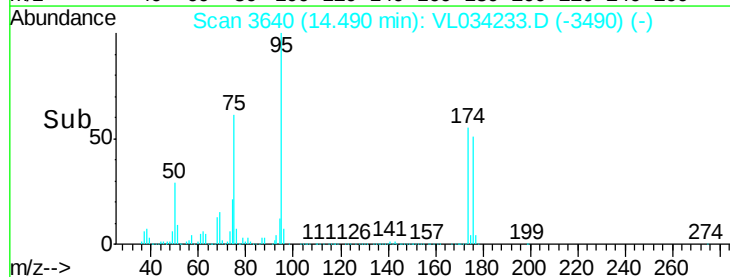
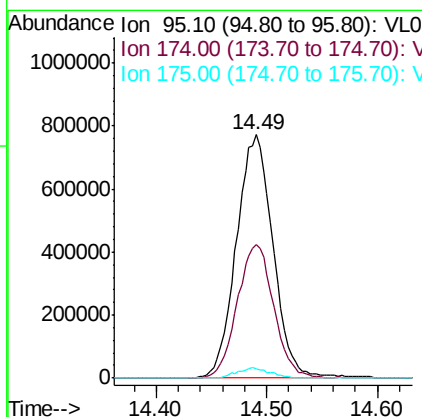
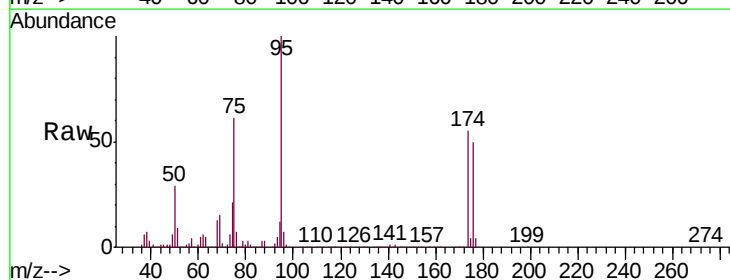
Instrument :
MSVOA_L
ClientSampleId :
IA2

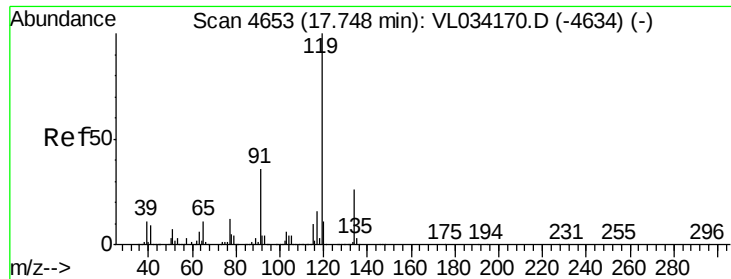
Tgt Ion: 91 Resp: 11223
Ion Ratio Lower Upper
91 100
106 162.5 21.2 63.6#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.720 ppbv
RT: 14.49 min Scan# 3640
Delta R.T. -0.02 min
Lab File: VL034233.D
Acq: 7 Oct 2019 22:17

Tgt Ion: 95 Resp: 1769509
Ion Ratio Lower Upper
95 100
174 54.8 45.1 67.7
175 3.9 3.3 4.9

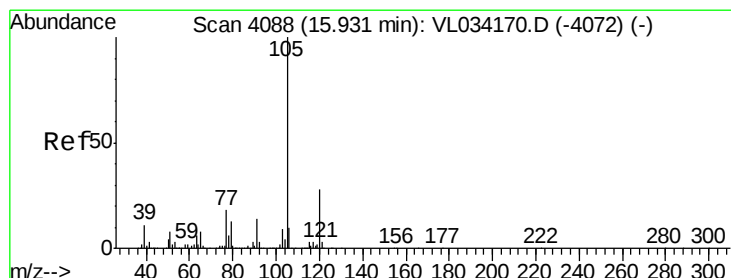
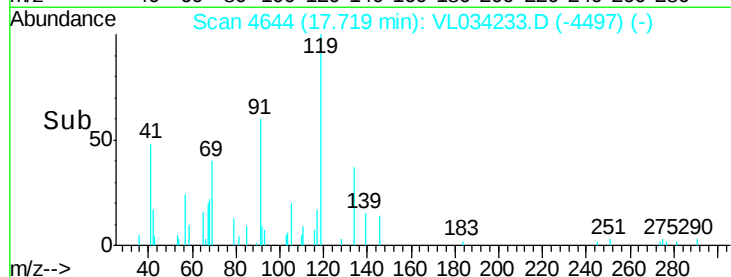
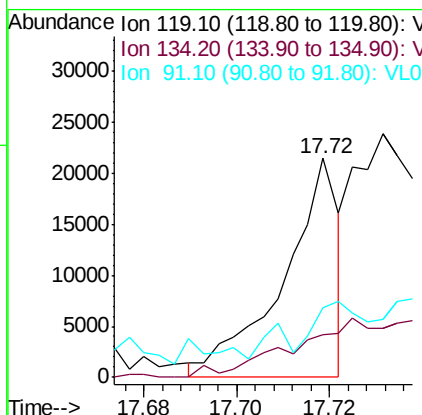
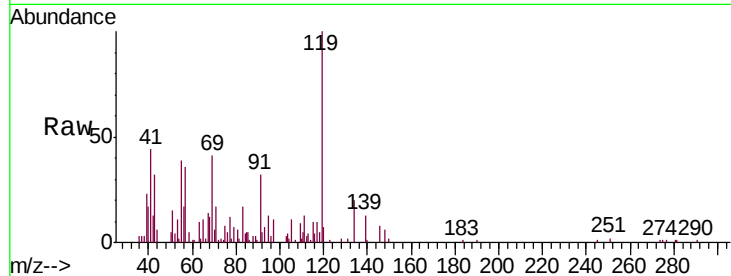




#69
p-Isopropyltoluene
Concen: 0.053 ppbv
RT: 17.72 min Scan# 4644
Delta R.T. -0.03 min
Lab File: VL034233.D
Acq: 7 Oct 2019 22:17

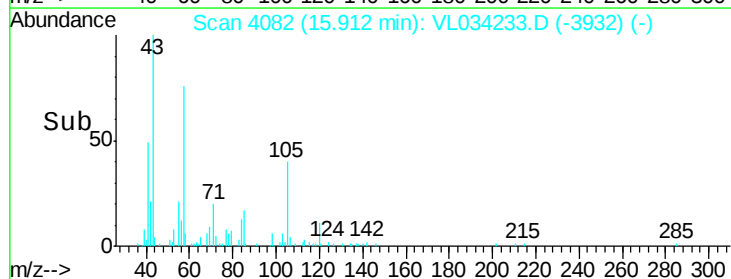
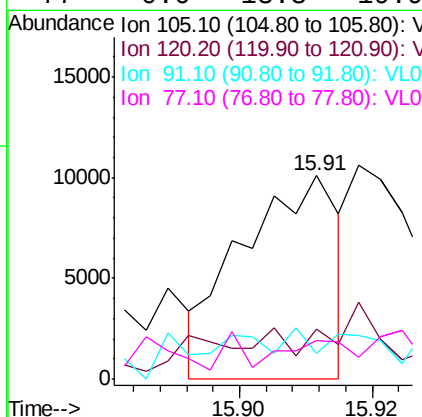
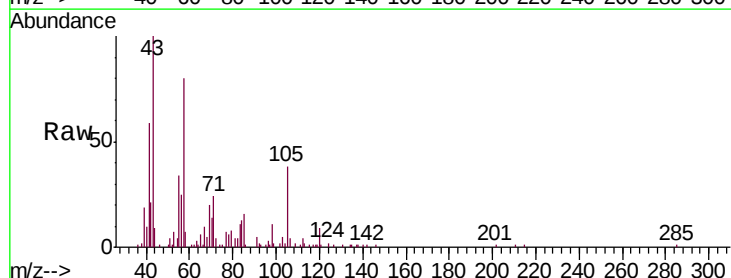
Instrument :
MSVOA_L
ClientSampleId :
IA2

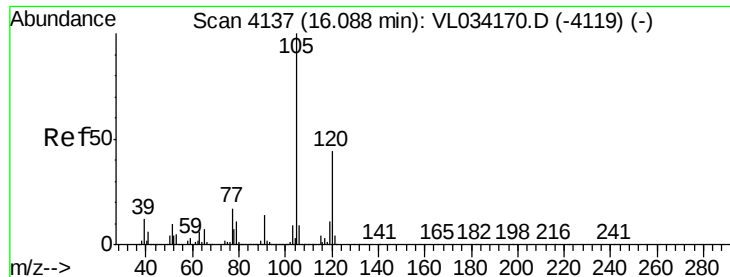
Tgt Ion:119 Resp: 17750
Ion Ratio Lower Upper
119 100
134 0.0 20.6 30.8#
91 0.0 27.6 41.4#



#72
4-Ethyltoluene
Concen: 0.036 ppbv
RT: 15.91 min Scan# 4082
Delta R.T. -0.02 min
Lab File: VL034233.D
Acq: 7 Oct 2019 22:17

Tgt Ion:105 Resp: 10237
Ion Ratio Lower Upper
105 100
120 0.0 23.3 34.9#
91 47.5 11.4 17.2#
77 0.0 13.3 19.9#





#73

1,3,5-Trimethylbenzene

Concen: 0.052 ppbv

RT: 16.07 min Scan# 4130

Delta R.T. -0.02 min

Lab File: VL034233.D

Acq: 7 Oct 2019 22:17

Instrument :

MSVOA_L

ClientSampleId :

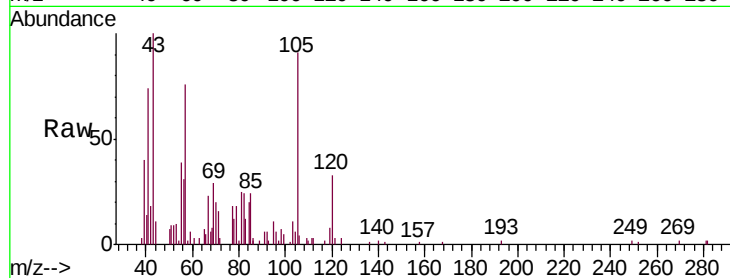
IA2

Tgt Ion:105 Resp: 14325

Ion Ratio Lower Upper

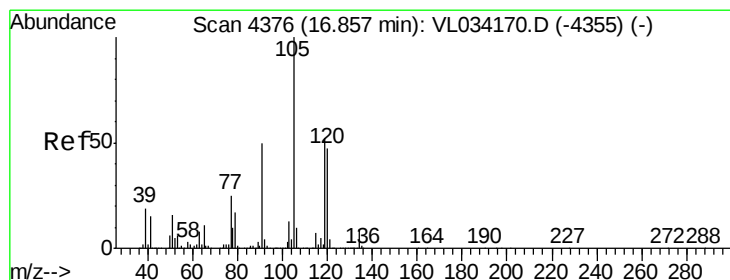
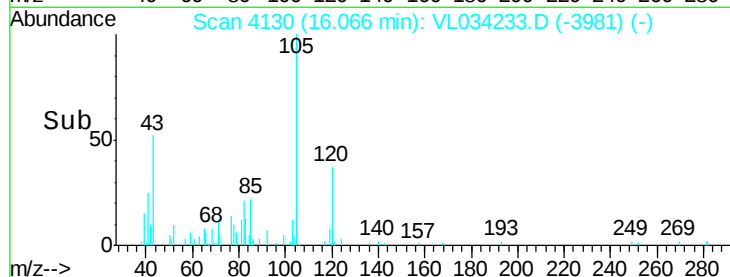
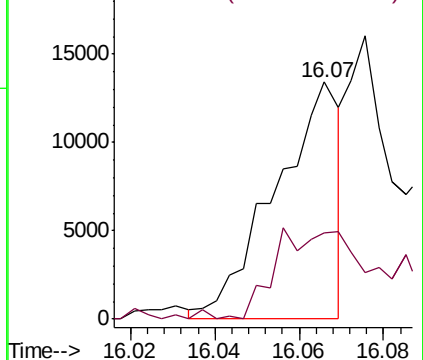
105 100

120 38.1 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: 0.139 ppbv

RT: 16.83 min Scan# 4369

Delta R.T. -0.02 min

Lab File: VL034233.D

Acq: 7 Oct 2019 22:17

Tgt Ion:105 Resp: 40764

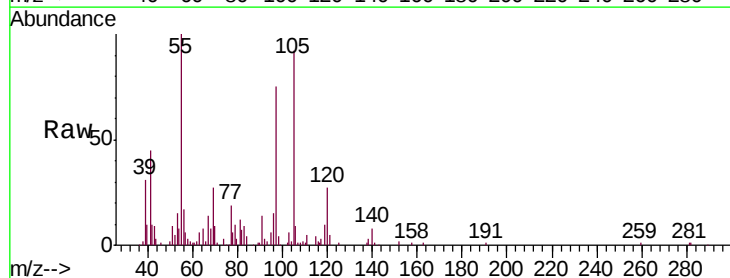
Ion Ratio Lower Upper

105 100

120 25.3 37.5 56.3#

91 13.3 41.1 61.7#

77 17.6 19.9 29.9#

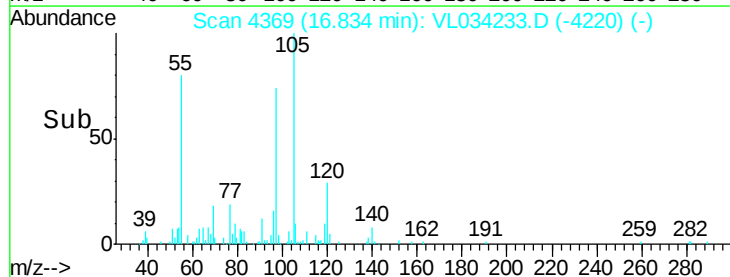
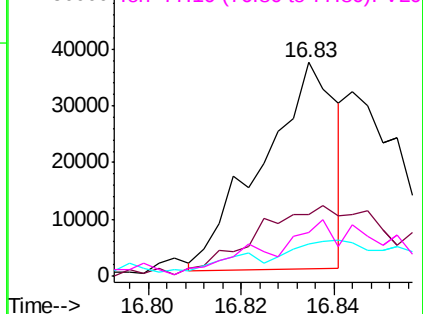


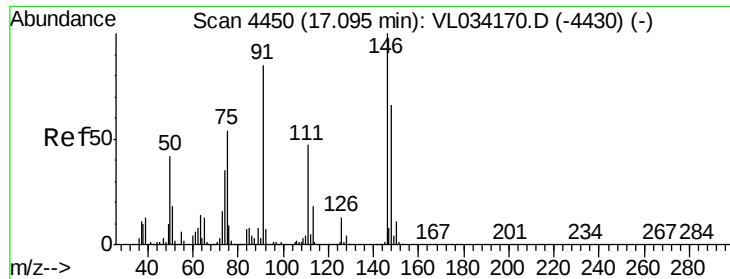
Abundance Ion 105.10 (104.80 to 105.80): V

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

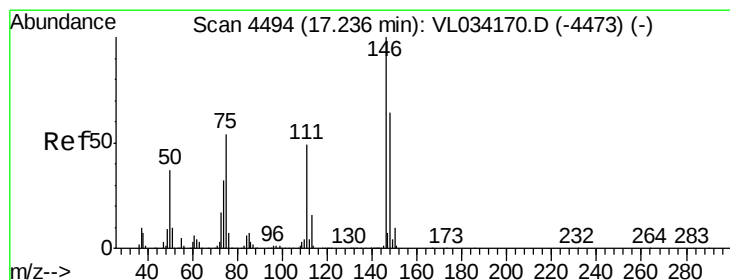
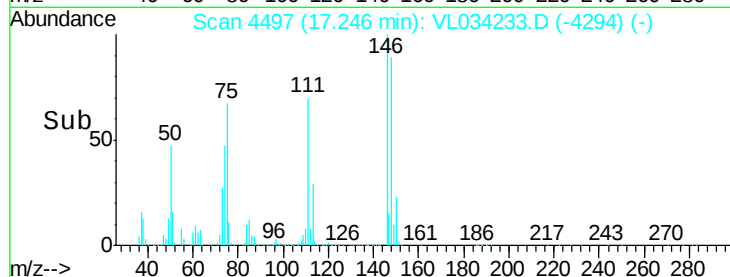
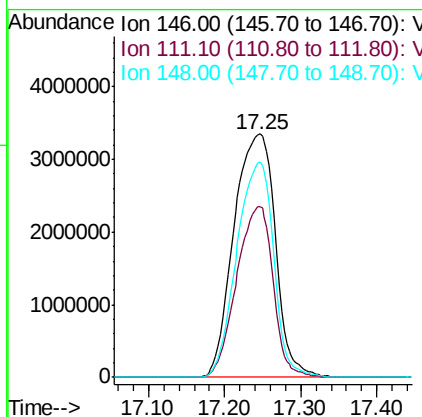
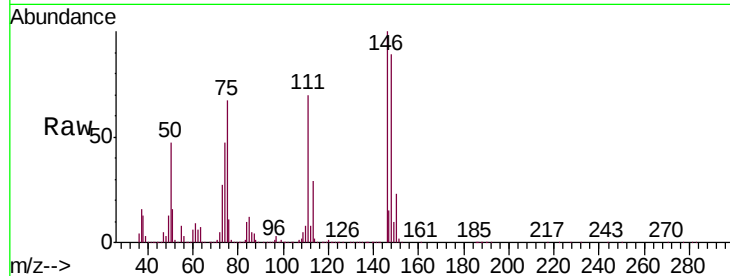




#75
 1,3-Dichlorobenzene
 Concen: 80.540 ppbv
 RT: 17.25 min Scan# 4497
 Delta R.T. 0.15 min
 Lab File: VL034233.D
 Acq: 7 Oct 2019 22:17

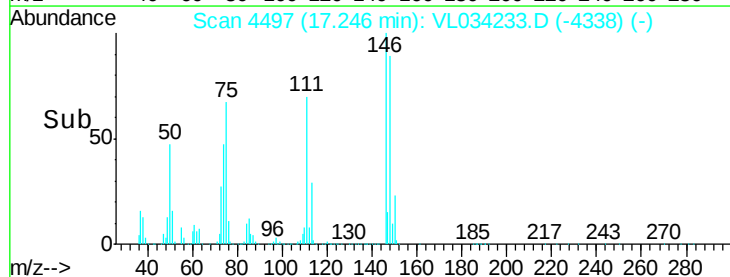
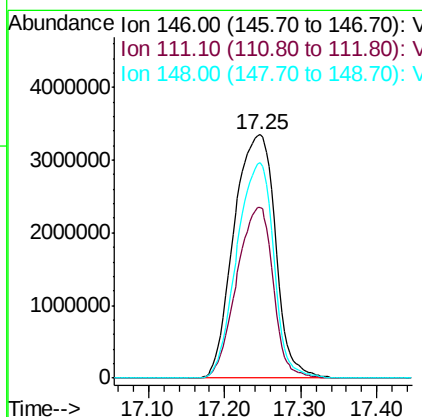
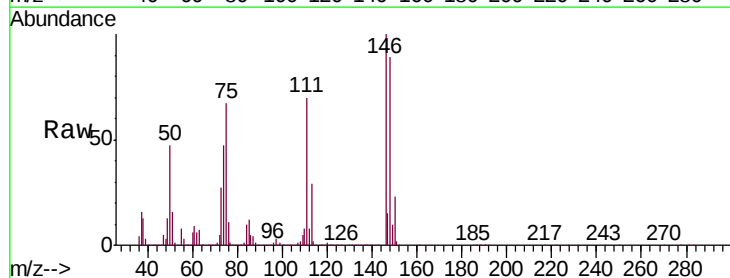
Instrument :
 MSVOA_L
 ClientSampleId :
 IA2

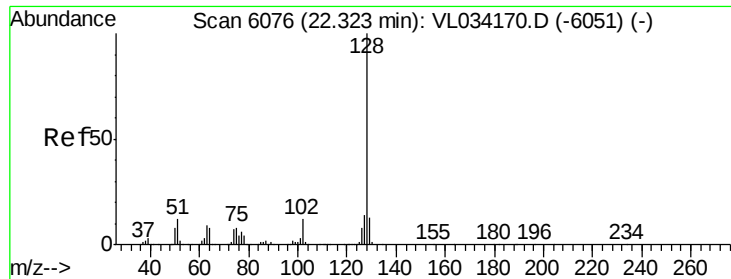
Tgt Ion:146 Resp:12713166
 Ion Ratio Lower Upper
 146 100
 111 61.9 25.9 77.8
 148 79.0 32.6 97.7



#76
 1,4-Dichlorobenzene
 Concen: 78.644 ppbv
 RT: 17.25 min Scan# 4497
 Delta R.T. 0.01 min
 Lab File: VL034233.D
 Acq: 7 Oct 2019 22:17

Tgt Ion:146 Resp:12713166
 Ion Ratio Lower Upper
 146 100
 111 61.9 24.6 74.0
 148 79.0 32.4 97.0





#79

Naphthalene

Concen: 0.224 ppbv

RT: 22.31 min Scan# 6072

Delta R.T. -0.01 min

Lab File: VL034233.D

Acq: 7 Oct 2019 22:17

Instrument :

MSVOA_L

ClientSampleId :

IA2

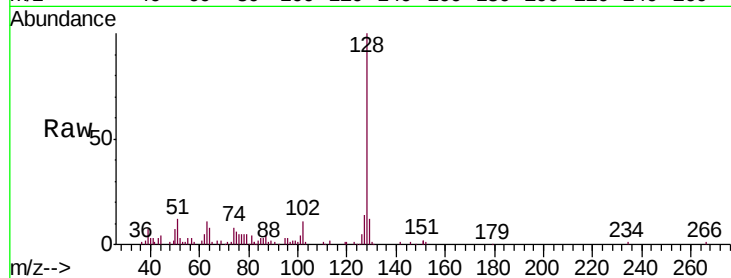
Tgt Ion:128 Resp: 58002

Ion Ratio Lower Upper

128 100

127 12.8 11.1 16.7

129 12.2 10.2 15.4



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

