

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032919\
 Data File : VL033516.D
 Acq On : 30 Mar 2019 00:14
 Operator : SY/AP
 Sample : K2042-04DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 30 01:14:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 26 16:00:50 2019
 QLast Update : Tue Mar 26 16:00:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	834457	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1953639	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1969118	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1518795	9.84	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.40%

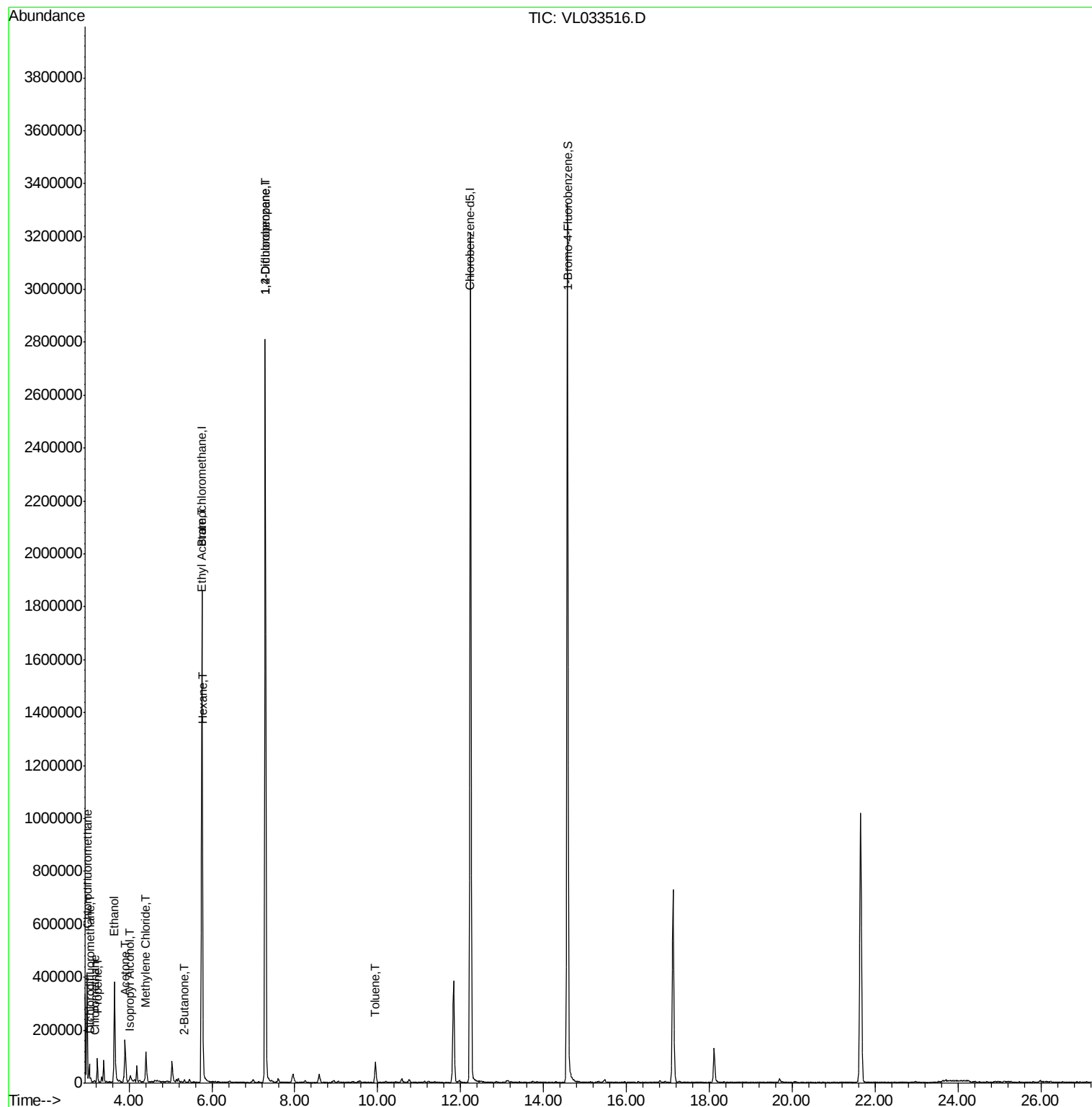
Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.08	85	9094	0.07	ppbv	100
3) Chlorodifluoromethane	2.99	51	243928	2.54	ppbv #	59
4) Chloromethane	3.17	50	2128	0.04	ppbv #	77
9) Propene	3.24	41	20831	0.52	ppbv	96
13) Ethanol	3.65	45	407869	39.07	ppbv	63
15) Acetone	3.90	43	153044	1.53	ppbv	97
19) Isopropyl Alcohol	4.03	45	24023	0.38	ppbv #	90
20) Methylene Chloride	4.41	84	34993	0.82	ppbv	91
25) Ethyl Acetate	5.77	43	24230	0.13	ppbv #	84
26) Hexane	5.78	57	31445	0.38	ppbv #	37
34) 2-Butanone	5.34	43	10409	0.09	ppbv	93
39) 1,2-Dichloropropane	7.28	63	511663	7.97	ppbv #	23
53) Toluene	9.95	91	58616	0.31	ppbv	100

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

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

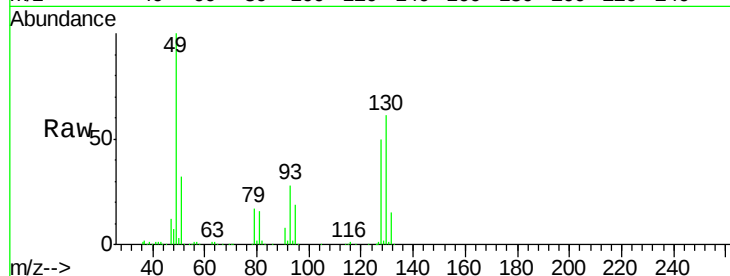
Lab File: VL033516.D

Acq: 30 Mar 2019 00:14

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 834457

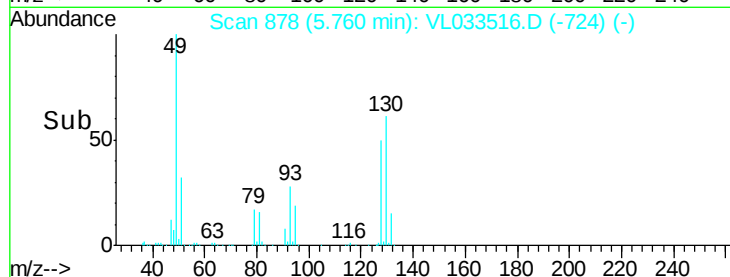
Ion	Ratio	Lower	Upper
49	100		
128	48.9	24.0	72.0
130	61.9	31.2	93.6



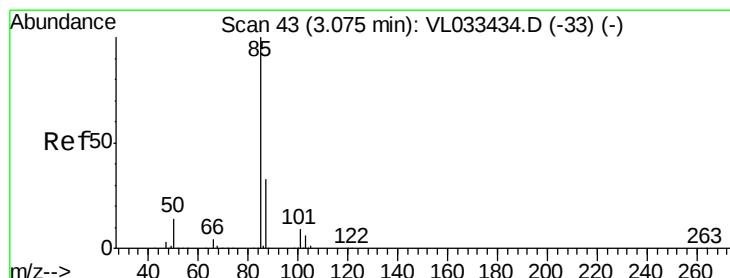
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 0.07 ppbv

RT: 3.08 min Scan# 43

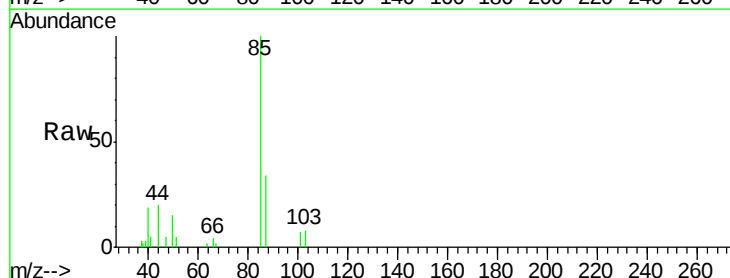
Delta R.T. -0.00 min

Lab File: VL033516.D

Acq: 30 Mar 2019 00:14

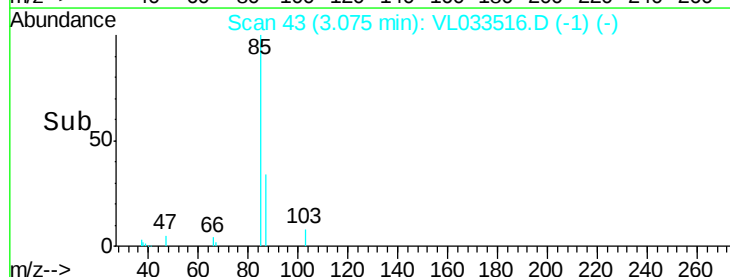
Tgt Ion: 85 Resp: 9094

Ion	Ratio	Lower	Upper
85	100		
87	33.6	26.7	40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



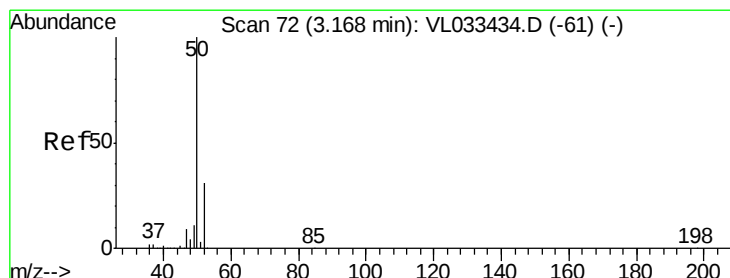
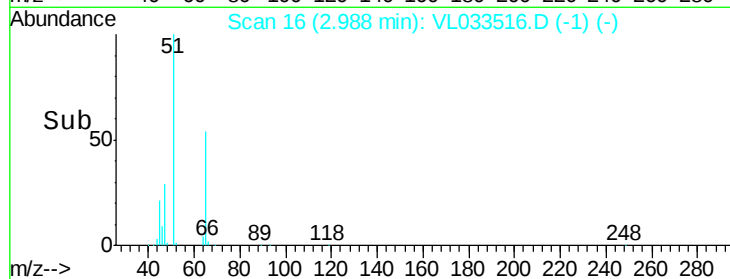
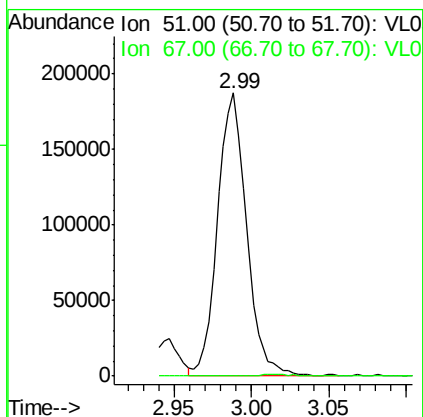
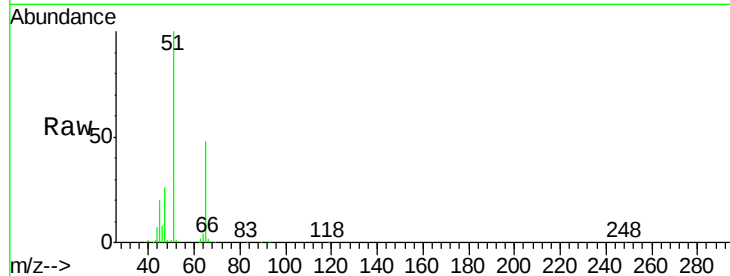
Time-->



#3
 Chlorodifluoromethane
 Concen: 2.54 ppbv
 RT: 2.99 min Scan# 16
 Delta R.T. -0.03 min
 Lab File: VL033516.D
 Acq: 30 Mar 2019 00:14

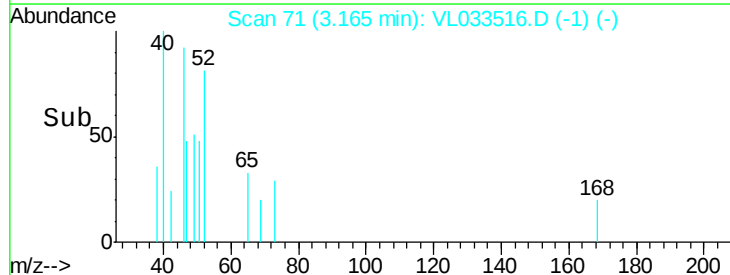
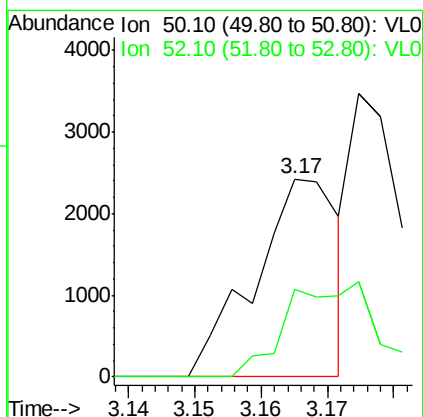
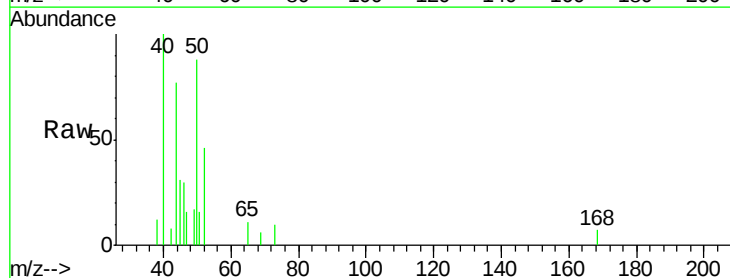
Instrument :
 MSVOA_L
 ClientSampleId :

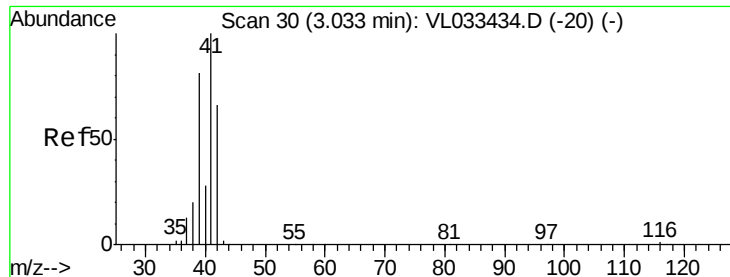
Tot Ion: 51 Resp: 243928
 Ion Ratio Lower Upper
 51 100
 67 0.7 15.7 23.5#



#4
 Chloromethane
 Concen: 0.04 ppbv
 RT: 3.17 min Scan# 71
 Delta R.T. -0.00 min
 Lab File: VL033516.D
 Acq: 30 Mar 2019 00:14

Tgt Ion: 50 Resp: 2128
 Ion Ratio Lower Upper
 50 100
 52 43.9 25.0 37.6#





#9

Propene

Concen: 0.52 ppbv

RT: 3.24 min Scan# 94

Delta R.T. 0.21 min

Lab File: VL033516.D

Acq: 30 Mar 2019 00:14

Instrument :

MSVOA_L

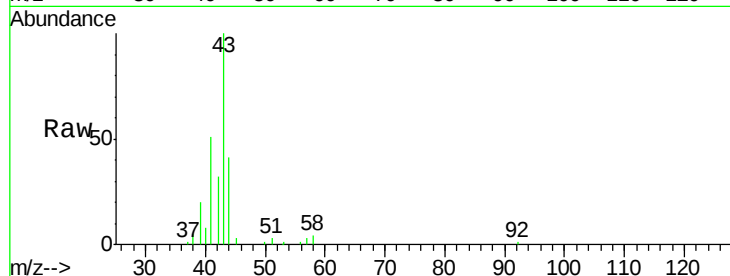
ClientSampleId :

Tot Ion: 41 Resp: 20831

Ion Ratio Lower Upper

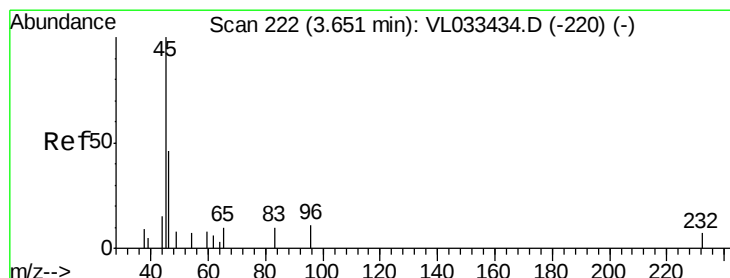
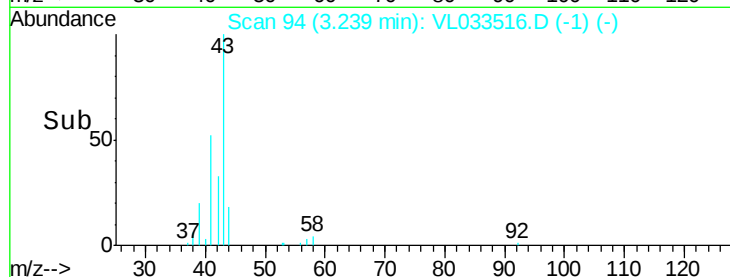
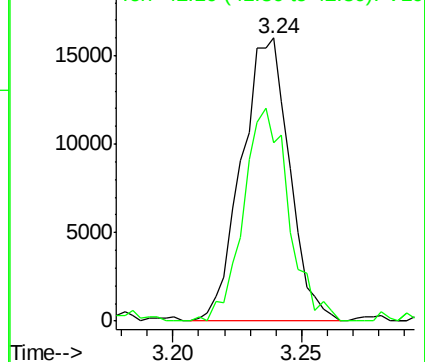
41 100

42 70.7 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#13

Ethanol

Concen: 39.07 ppbv

RT: 3.65 min Scan# 221

Delta R.T. -0.00 min

Lab File: VL033516.D

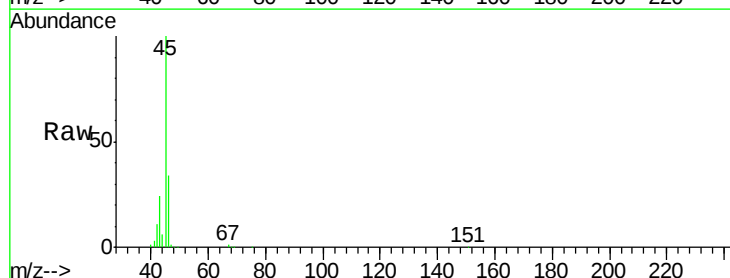
Acq: 30 Mar 2019 00:14

Tgt Ion: 45 Resp: 407869

Ion Ratio Lower Upper

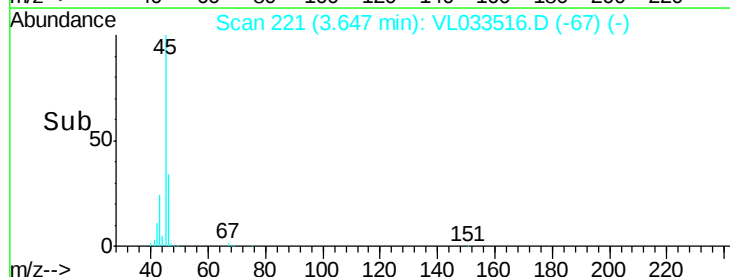
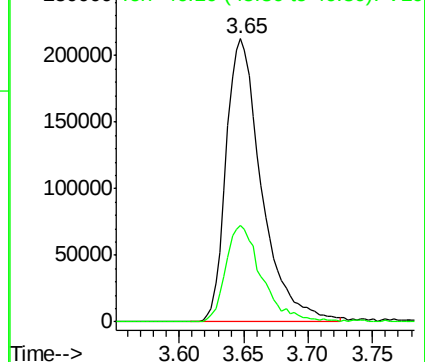
45 100

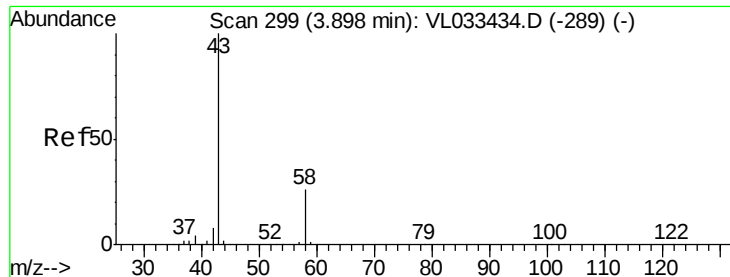
46 35.1 25.4 101.8



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 1.53 ppbv

RT: 3.90 min Scan# 301

Delta R.T. 0.01 min

Lab File: VL033516.D

Acq: 30 Mar 2019 00:14

Instrument :

MSVOA_L

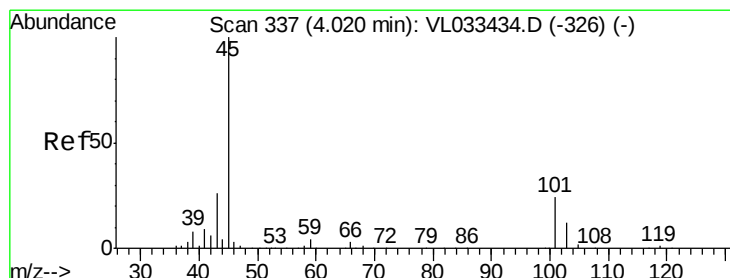
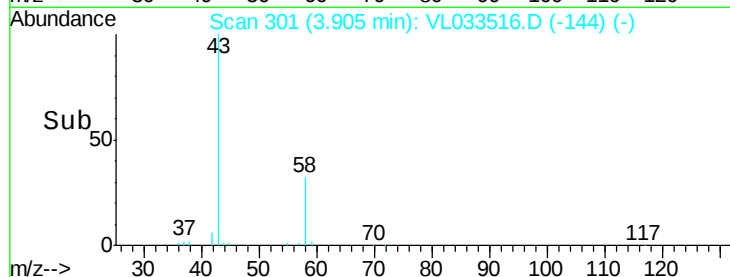
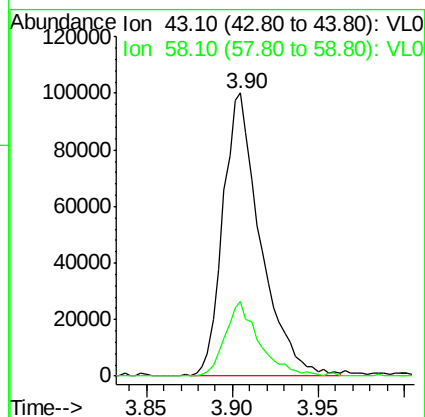
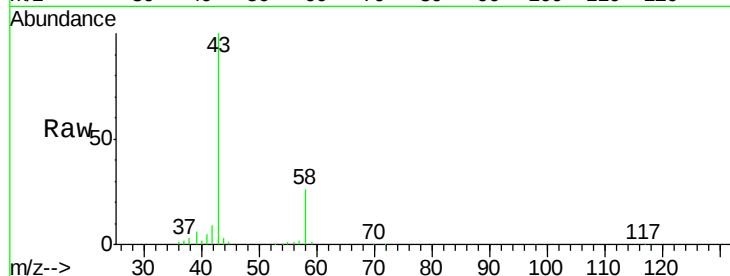
ClientSampled :

Tot Ion: 43 Resp: 153044

Ion Ratio Lower Upper

43 100

58 24.2 20.5 30.7



#19

Isopropyl Alcohol

Concen: 0.38 ppbv

RT: 4.03 min Scan# 340

Delta R.T. 0.01 min

Lab File: VL033516.D

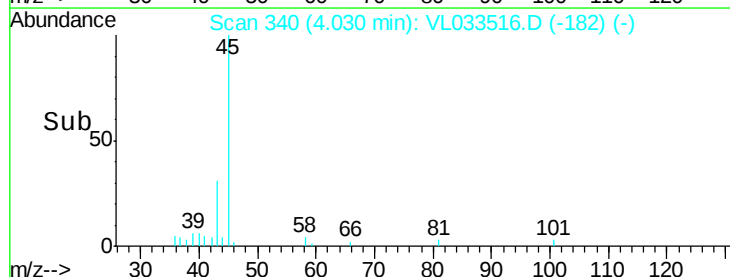
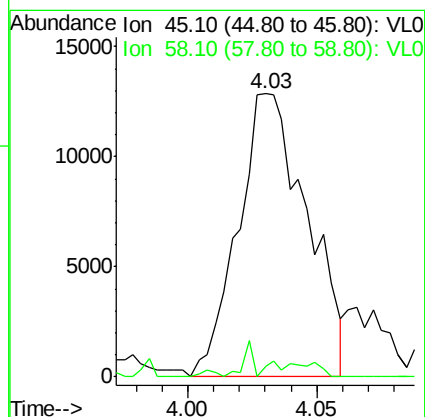
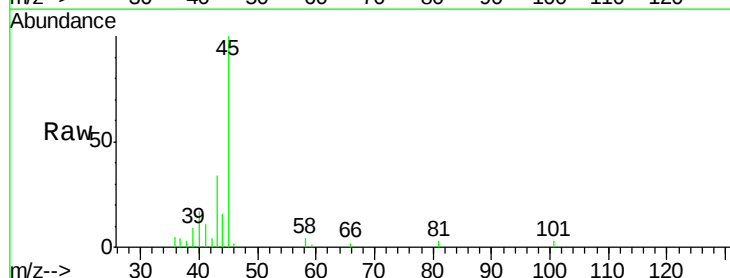
Acq: 30 Mar 2019 00:14

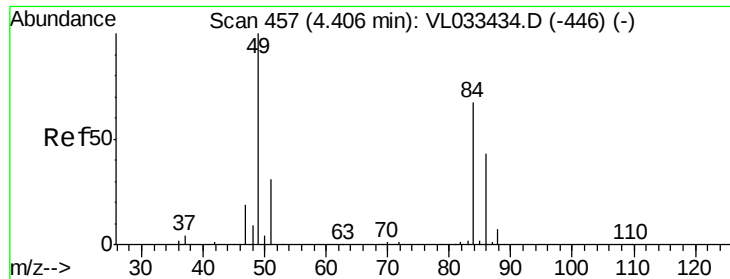
Tgt Ion: 45 Resp: 24023

Ion Ratio Lower Upper

45 100

58 5.5 1.4 2.2#

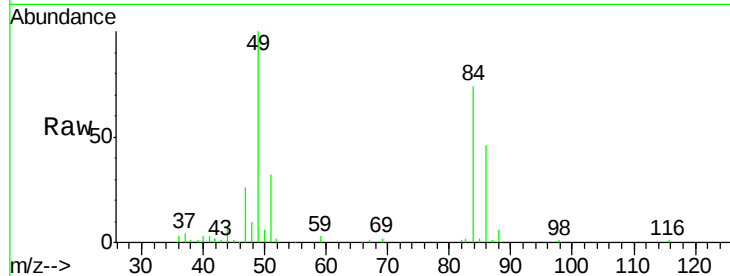




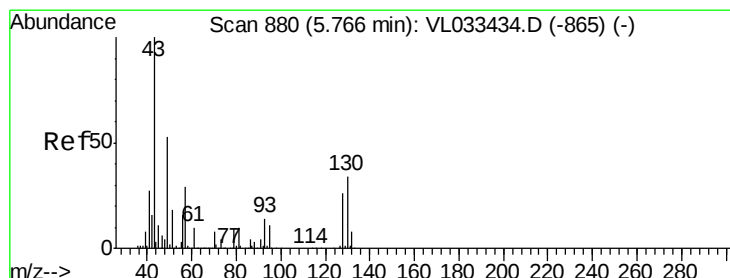
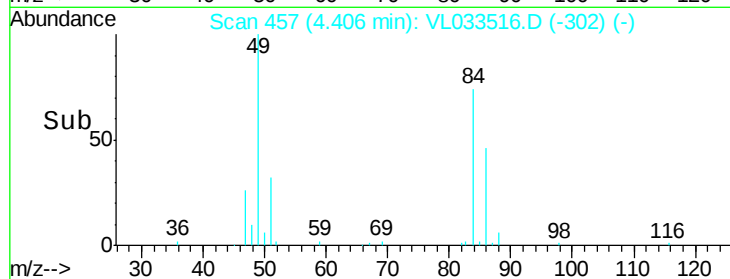
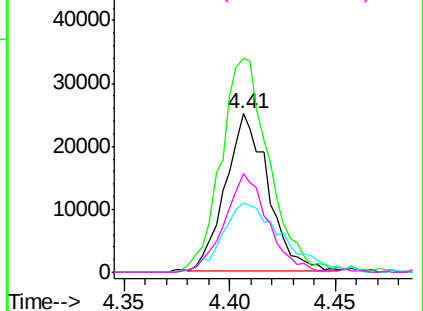
#20
Methvlene Chloride
Concen: 0.82 ppbv
RT: 4.41 min Scan# 457
Delta R.T. -0.00 min
Lab File: VL033516.D
Acq: 30 Mar 2019 00:14

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 84 Resp: 34993
Ion Ratio Lower Upper
84 100
49 133.5 120.0 180.0
51 44.7 36.7 55.1
86 62.4 51.9 77.9

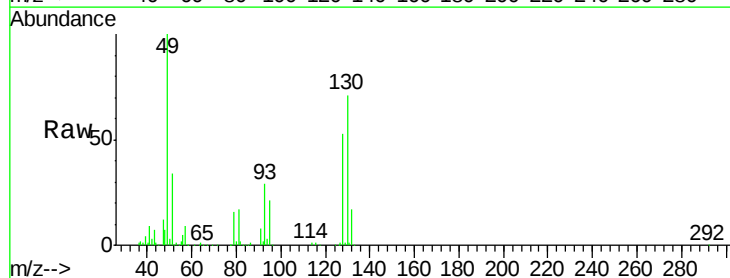


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

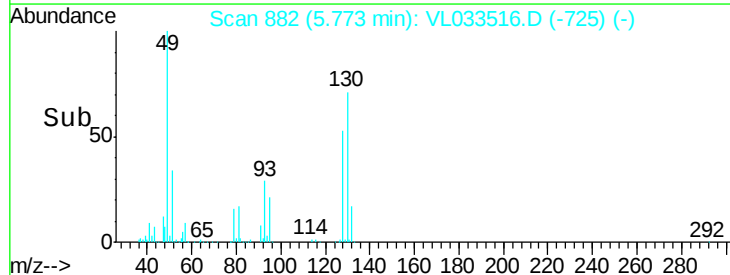
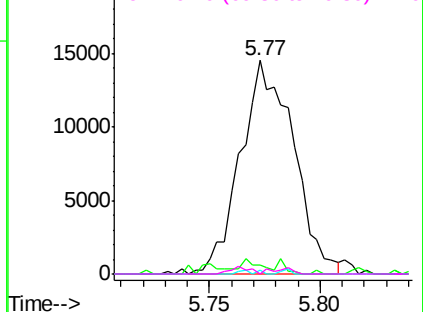


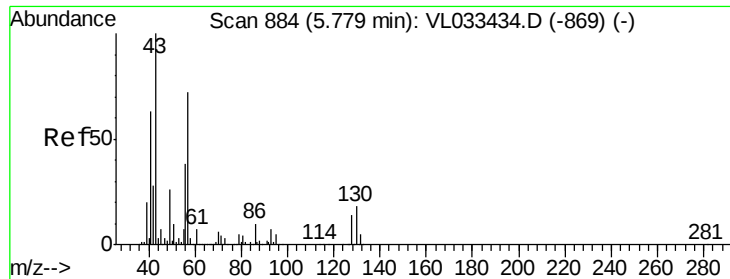
#25
Ethyl Acetate
Concen: 0.13 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.01 min
Lab File: VL033516.D
Acq: 30 Mar 2019 00:14

Tgt Ion: 43 Resp: 24230
Ion Ratio Lower Upper
43 100
45 6.1 7.8 11.6#
61 0.5 7.3 10.9#
70 2.4 5.6 8.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

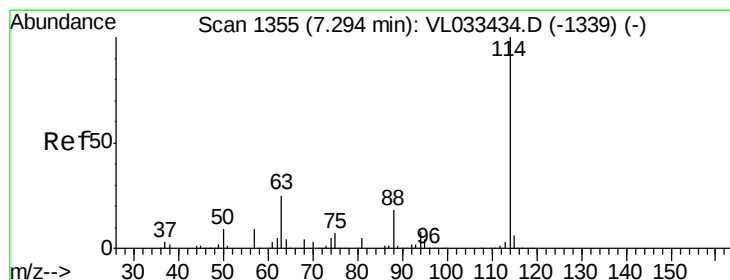
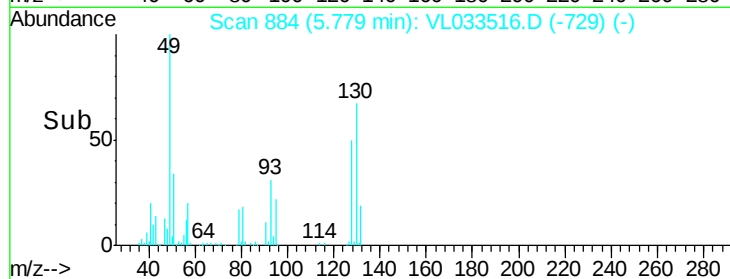
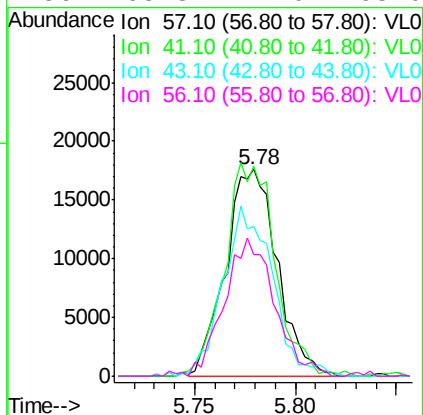
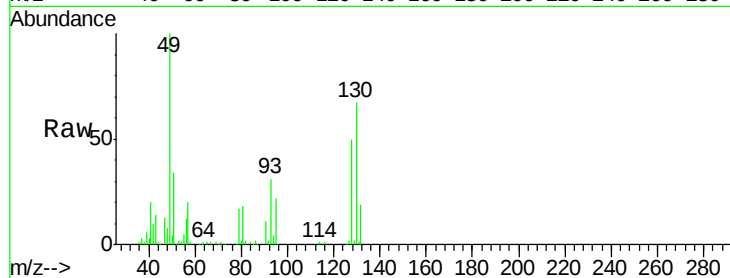




#26
Hexane
Concen: 0.38 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033516.D
Acq: 30 Mar 2019 00:14

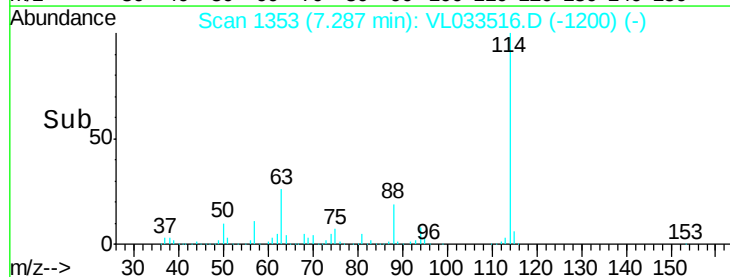
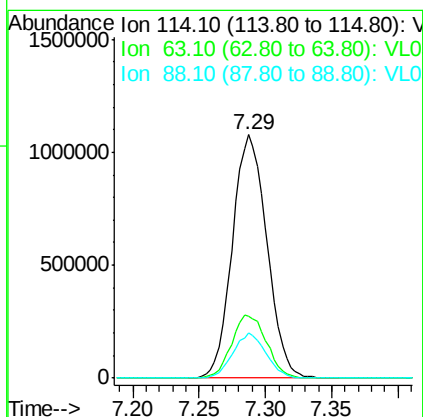
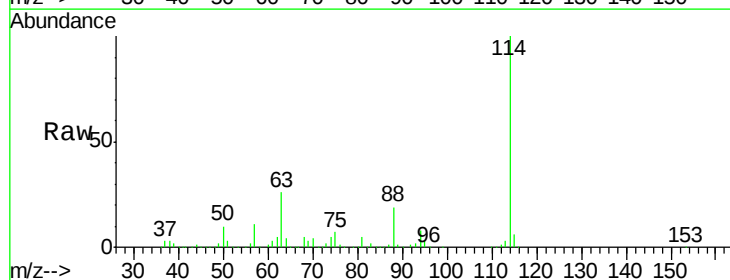
Instrument :
MSVOA_L
ClientSampleId :

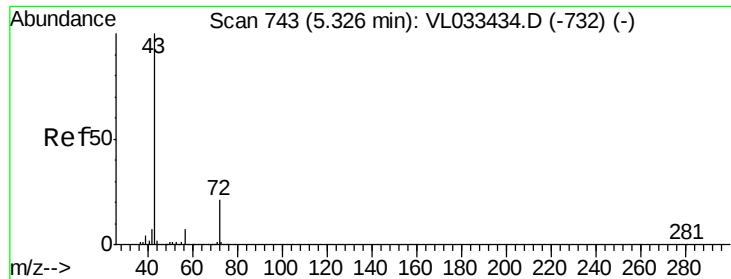
Tot Ion: 57 Resp: 31445
Ion Ratio Lower Upper
57 100
41 102.4 70.7 106.1
43 78.5 182.6 274.0#
56 65.8 42.0 63.0#



#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033516.D
Acq: 30 Mar 2019 00:14

Tgt Ion:114 Resp: 1953639
Ion Ratio Lower Upper
114 100
63 26.2 21.5 32.3
88 17.9 14.5 21.7

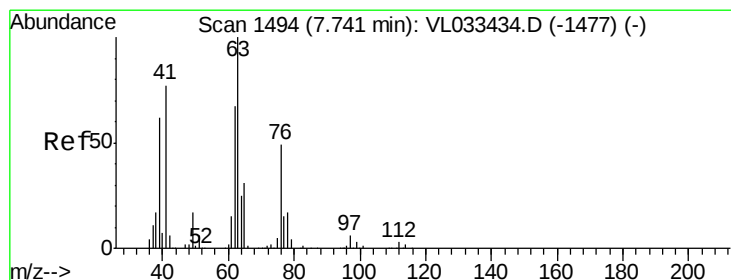
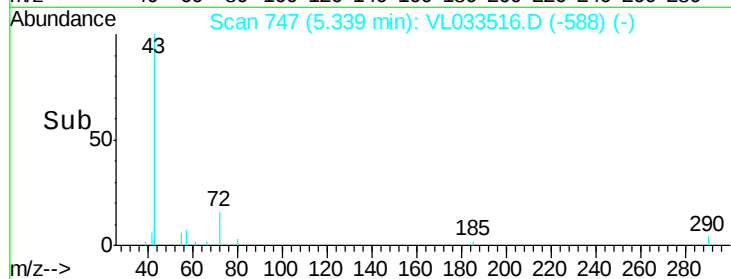
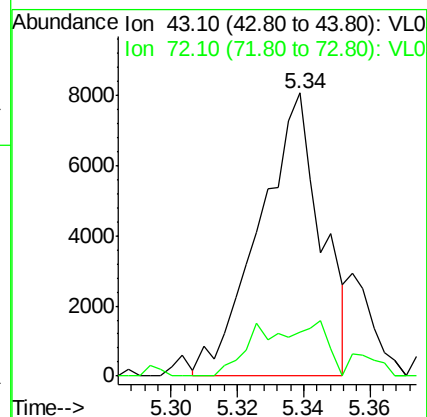
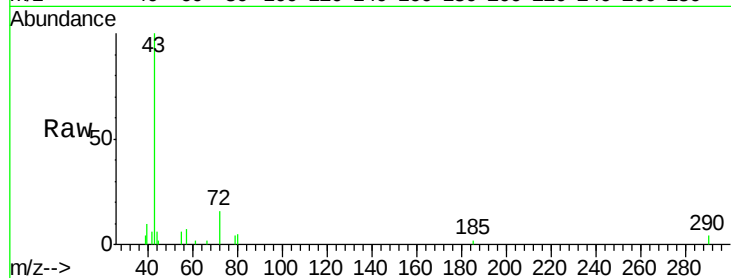




#34
2-Butanone
Concen: 0.09 ppbv
RT: 5.34 min Scan# 747
Delta R.T. 0.01 min
Lab File: VL033516.D
Acq: 30 Mar 2019 00:14

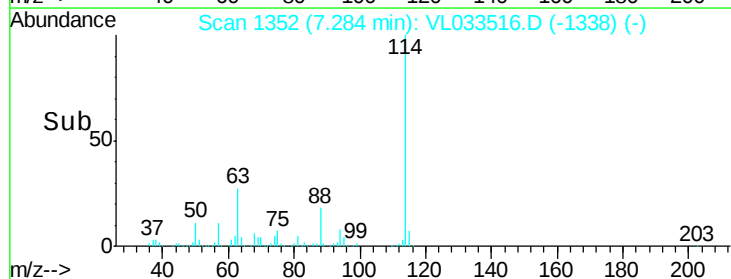
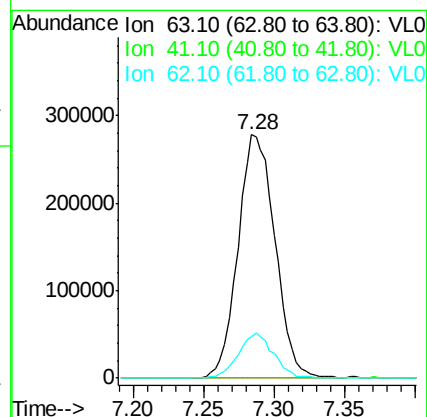
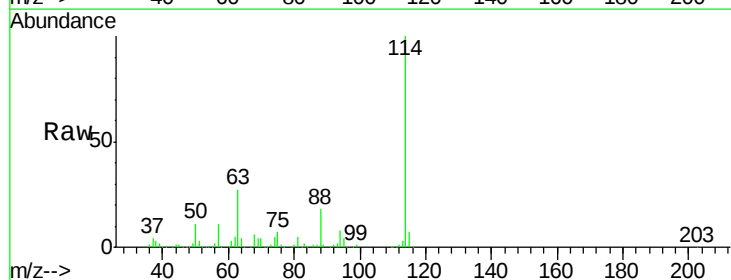
Instrument :
MSVOA_L
ClientSampleId :

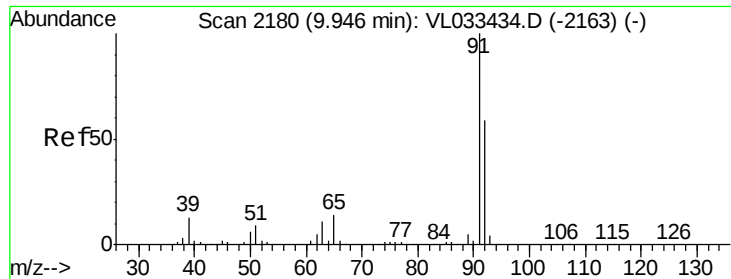
Tot Ion: 43 Resp: 10409
Ion Ratio Lower Upper
43 100
72 24.9 17.4 26.2



#39
1,2-Dichloropropane
Concen: 7.97 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.46 min
Lab File: VL033516.D
Acq: 30 Mar 2019 00:14

Tgt Ion: 63 Resp: 511663
Ion Ratio Lower Upper
63 100
41 0.0 61.2 91.8#
62 17.1 54.0 81.0#





#53

Toluene

Concen: 0.31 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. -0.00 min

Lab File: VL033516.D

Acq: 30 Mar 2019 00:14

Instrument :

MSVOA_L

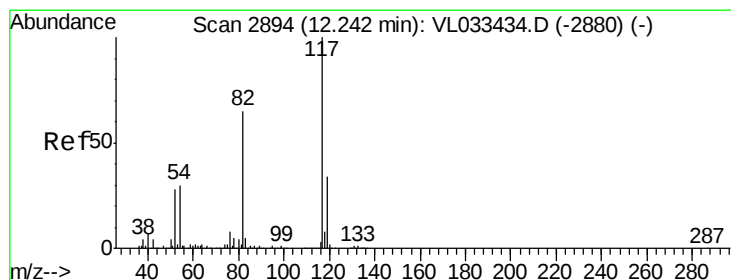
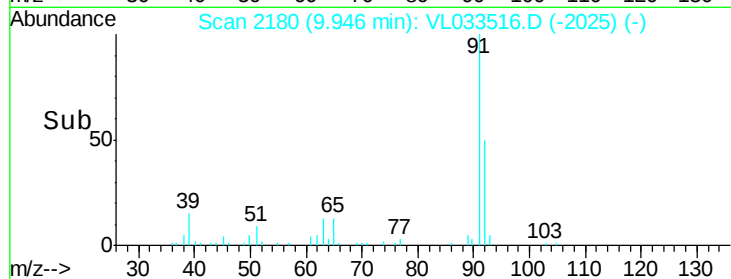
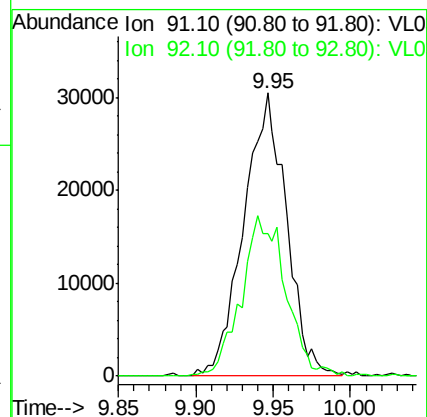
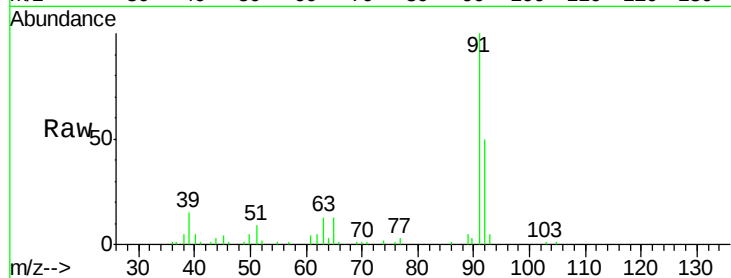
ClientSampleId :

Tot Ion: 91 Resp: 58616

Ion Ratio Lower Upper

91 100

92 59.1 47.4 71.0



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.24 min Scan# 2893

Delta R.T. -0.00 min

Lab File: VL033516.D

Acq: 30 Mar 2019 00:14

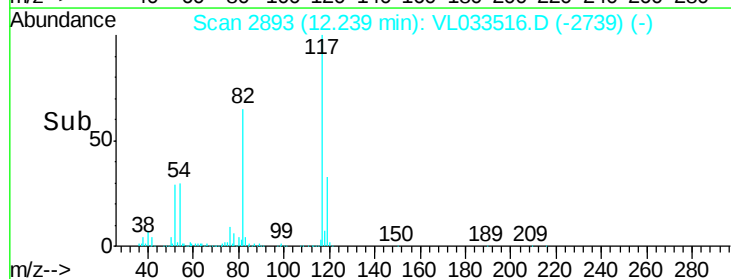
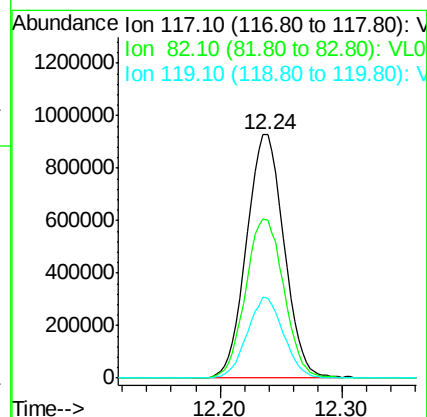
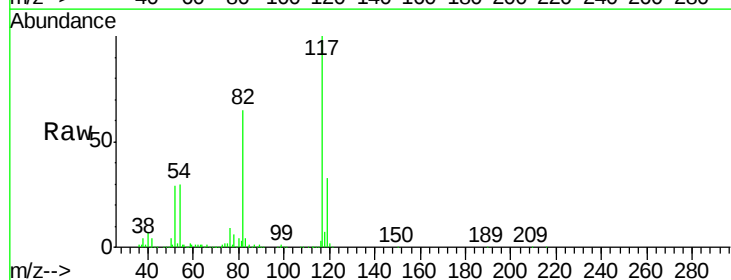
Tgt Ion: 117 Resp: 1969118

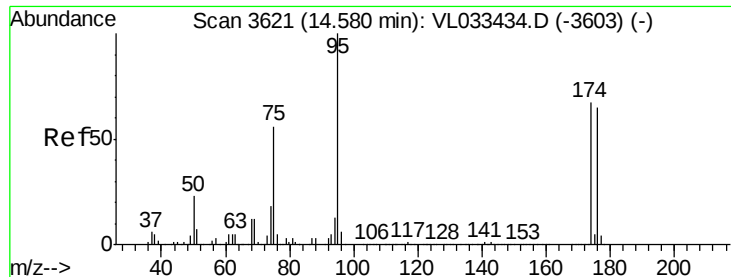
Ion Ratio Lower Upper

117 100

82 66.9 51.5 77.3

119 32.3 25.5 38.3

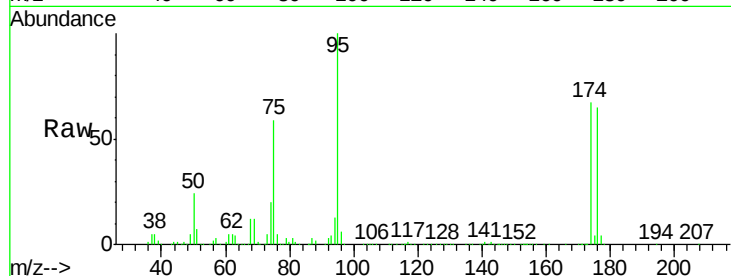




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.84 ppbv
 RT: 14.58 min Scan# 3620
 Delta R.T. -0.00 min
 Lab File: VL033516.D
 Acq: 30 Mar 2019 00:14

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 95 Resp: 1518795
 Ion Ratio Lower Upper
 95 100
 174 65.1 52.9 79.3
 175 4.8 3.8 5.6



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

