

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101719\
 Data File : VL034335.D
 Acq On : 18 Oct 2019 3:17
 Operator : SY/AP
 Sample : K5409-04DL2 40X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV4DL2

Quant Time: Oct 18 04:37:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 17 05:12:37 2019
 QLast Update : Thu Oct 17 05:12:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	798846	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	1699165	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	1708220	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.49	95	1415206	9.78	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.80%

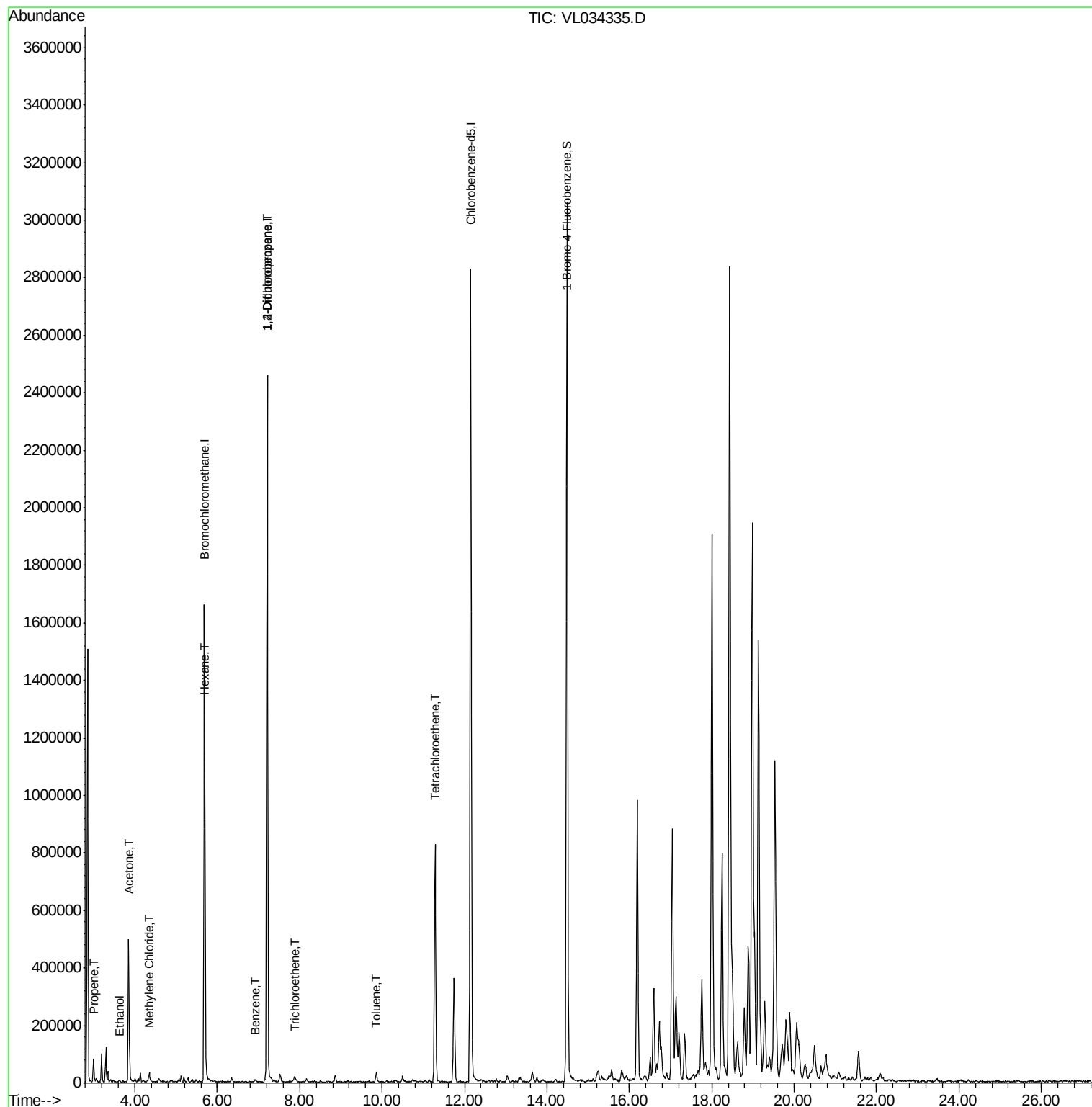
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	2.99	41	29200	0.703	ppbv	88
13) Ethanol	3.63	45	806	0.087	ppbv #	1
15) Acetone	3.84	43	518278	4.536	ppbv	99
20) Methylene Chloride	4.34	84	8755	0.212	ppbv #	90
26) Hexane	5.71	57	3533	0.043	ppbv #	32
36) Benzene	6.92	78	5326	0.033	ppbv #	89
38) Trichloroethene	7.88	130	3202	0.049	ppbv #	58
39) 1,2-Dichloropropane	7.21	63	465910	6.637	ppbv #	22
52) Tetrachloroethene	11.28	164	202827	3.174	ppbv	92
53) Toluene	9.86	91	16456	0.091	ppbv #	61

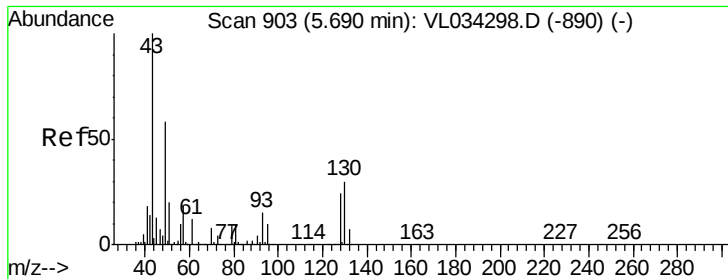
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 18 04:37:27 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 17 05:12:37 2019
QLast Update : Thu Oct 17 05:12:37 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. -0.00 min

Lab File: VL034335.D

Acq: 18 Oct 2019 3:17

Instrument :

MSVOA_L

ClientSampleId :

SV4DL2

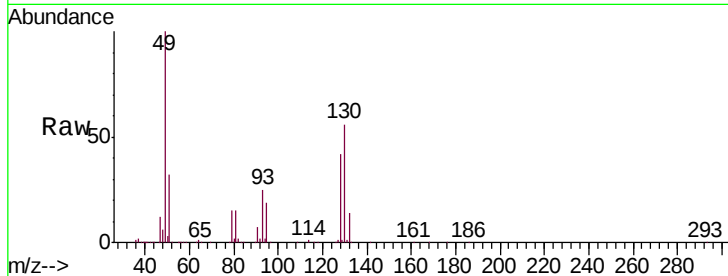
Tgt Ion: 49 Resp: 798846

Ion Ratio Lower Upper

49 100

128 43.6 20.6 61.8

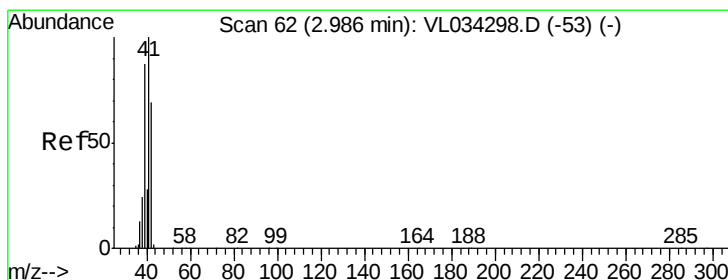
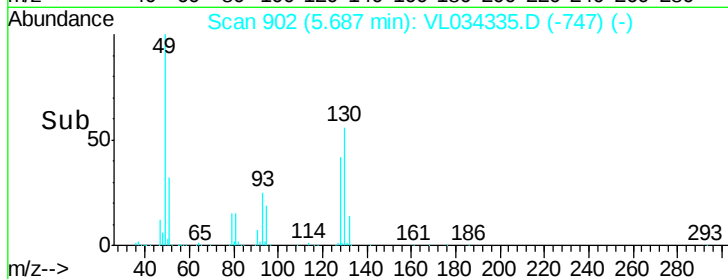
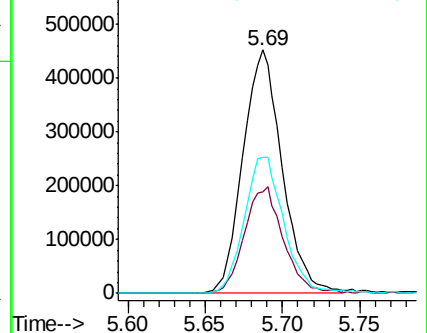
130 57.2 26.2 78.5



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



#9

Propene

Concen: 0.703 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.01 min

Lab File: VL034335.D

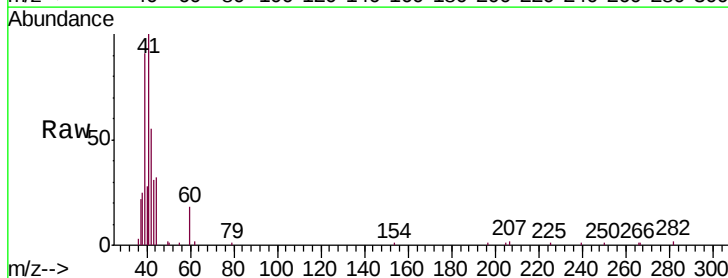
Acq: 18 Oct 2019 3:17

Tgt Ion: 41 Resp: 29200

Ion Ratio Lower Upper

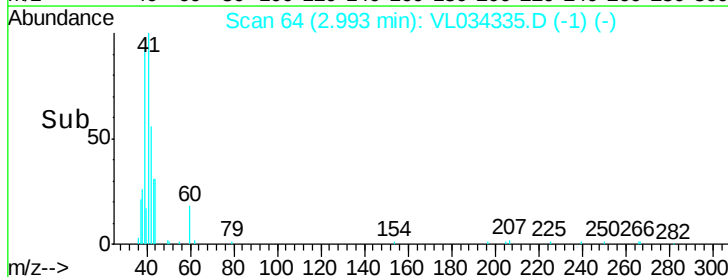
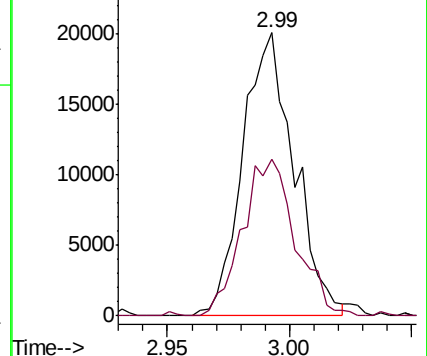
41 100

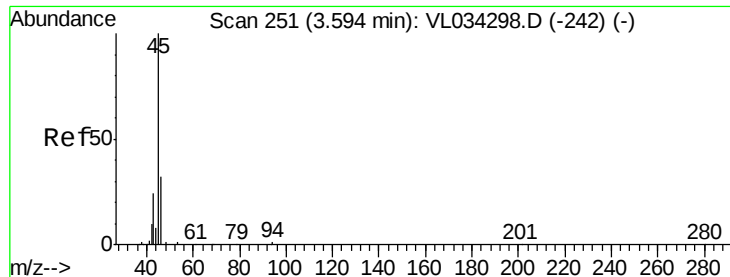
42 57.9 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

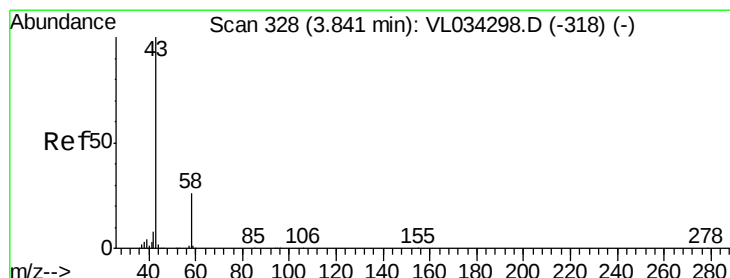
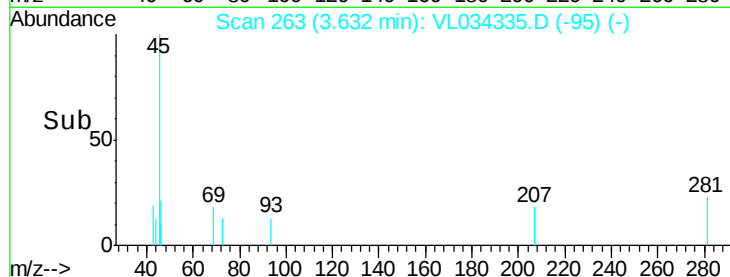
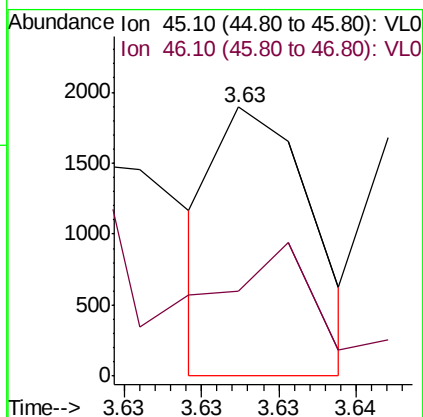
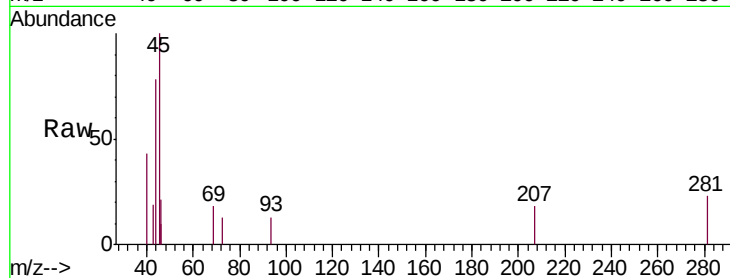




#13
Ethanol
Concen: 0.087 ppbv
RT: 3.63 min Scan# 263
Delta R.T. 0.04 min
Lab File: VL034335.D
Acq: 18 Oct 2019 3:17

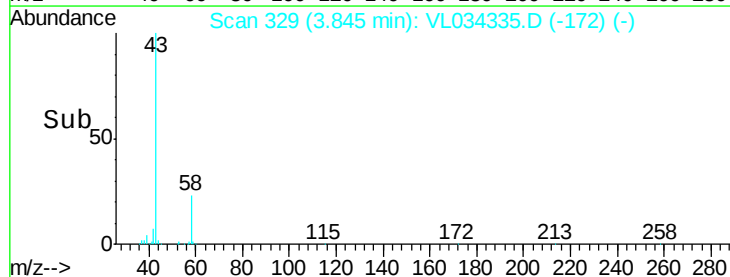
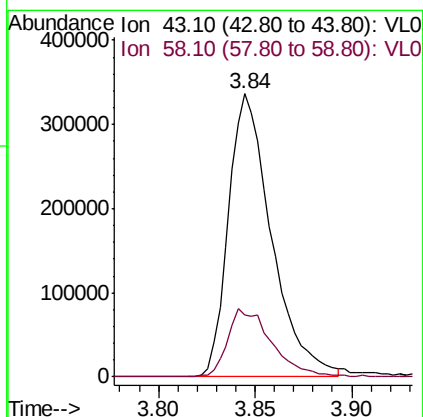
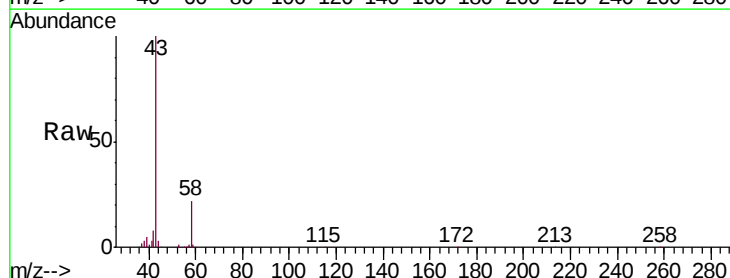
Instrument :
MSVOA_L
ClientSampleId :
SV4DL2

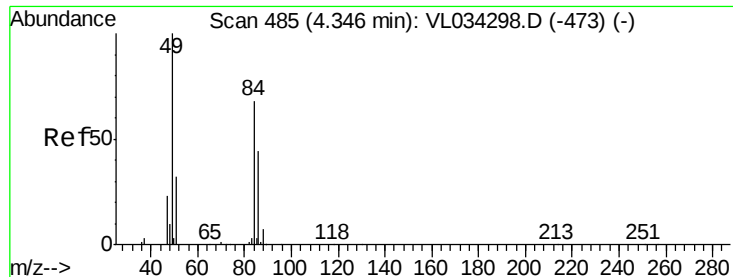
Tgt Ion: 45 Resp: 806
Ion Ratio Lower Upper
45 100
46 310.7 15.8 63.2#



#15
Acetone
Concen: 4.536 ppbv
RT: 3.84 min Scan# 329
Delta R.T. 0.00 min
Lab File: VL034335.D
Acq: 18 Oct 2019 3:17

Tgt Ion: 43 Resp: 518278
Ion Ratio Lower Upper
43 100
58 25.2 20.4 30.6

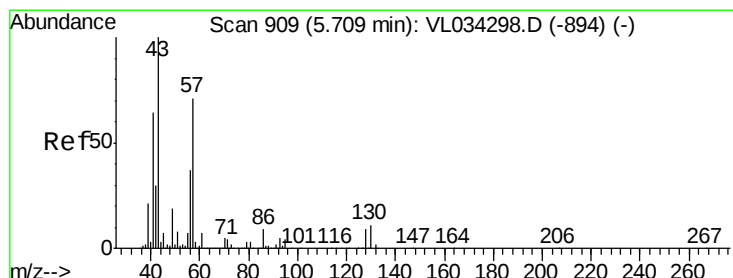
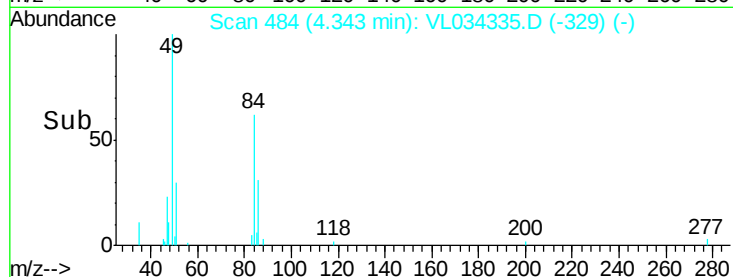
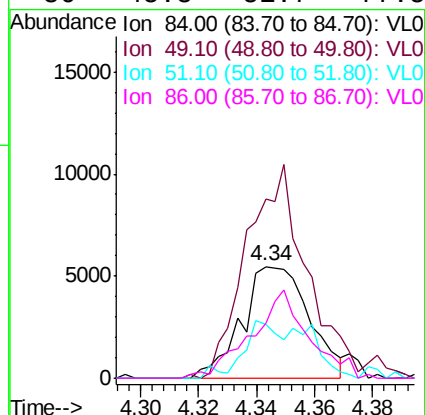
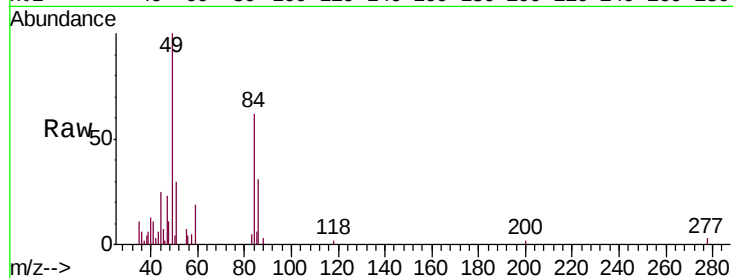




#20
Methylene Chloride
Concen: 0.212 ppbv
RT: 4.34 min Scan# 484
Delta R.T. -0.00 min
Lab File: VL034335.D
Acq: 18 Oct 2019 3:17

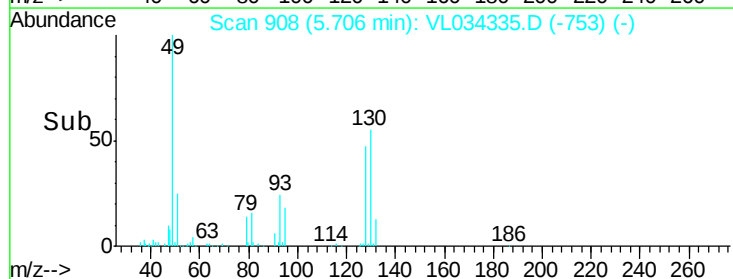
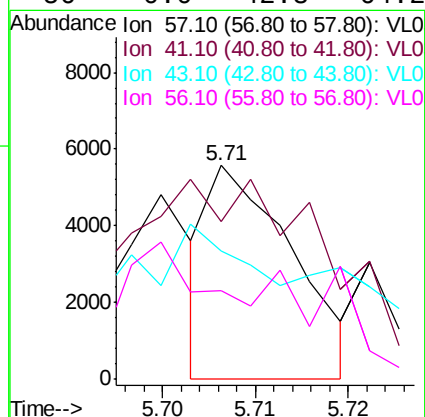
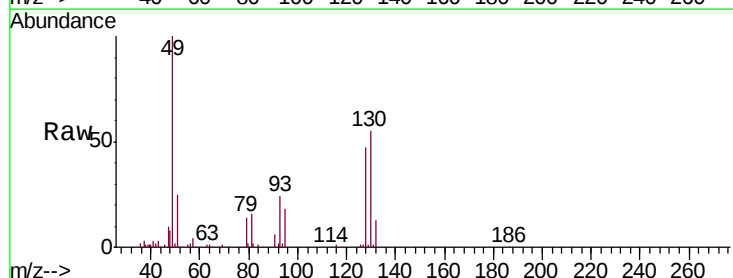
Instrument :
MSVOA_L
ClientSampleId :
SV4DL2

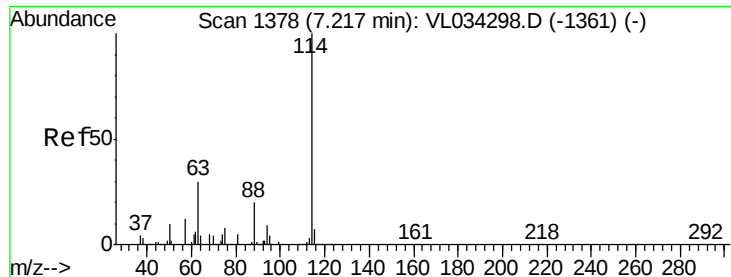
Tgt Ion:	84	Resp:	8755
Ion	Ratio	Lower	Upper
84	100		
49	156.6	118.5	177.7
51	48.4	38.8	58.2
86	45.8	51.7	77.5#



#26
Hexane
Concen: 0.043 ppbv
RT: 5.71 min Scan# 908
Delta R.T. -0.00 min
Lab File: VL034335.D
Acq: 18 Oct 2019 3:17

Tgt Ion:	57	Resp:	3533
Ion	Ratio	Lower	Upper
57	100		
41	289.1	76.5	114.7#
43	213.6	188.5	282.7
56	0.0	42.8	64.2#

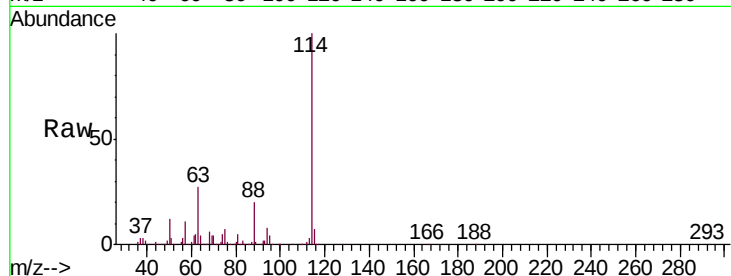




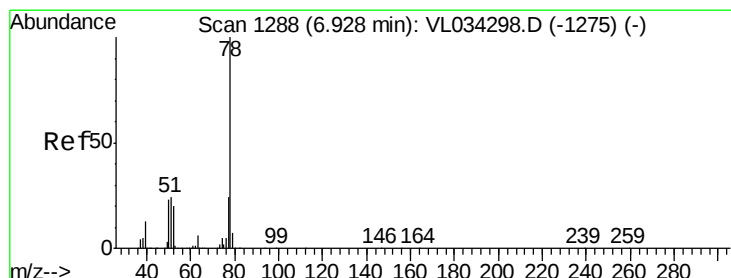
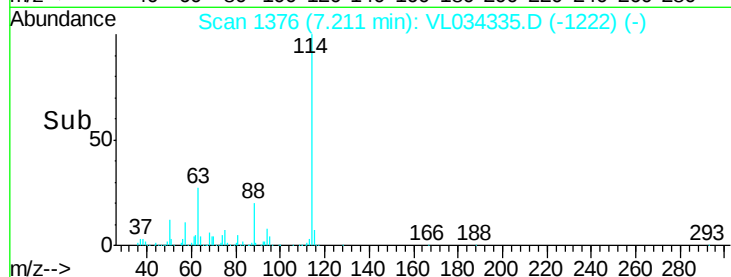
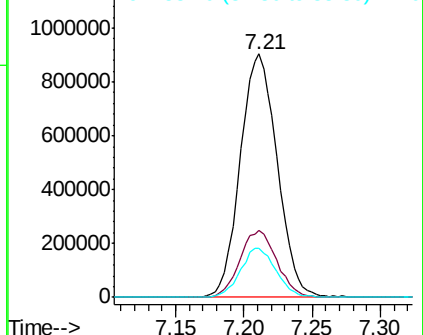
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VL034335.D
 Acq: 18 Oct 2019 3:17

Instrument :
 MSVOA_L
 ClientSampleId :
 SV4DL2

Tgt Ion: 114 Resp: 1699165
 Ion Ratio Lower Upper
 114 100
 63 27.6 25.2 37.8
 88 19.7 16.0 24.0

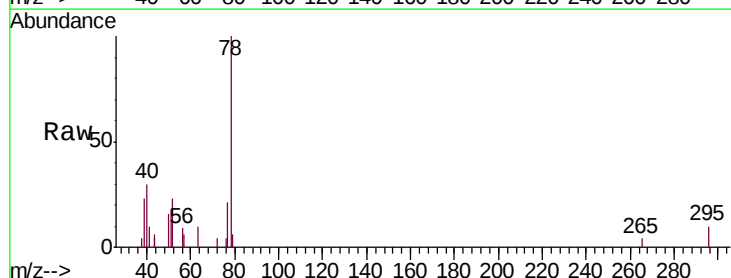


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

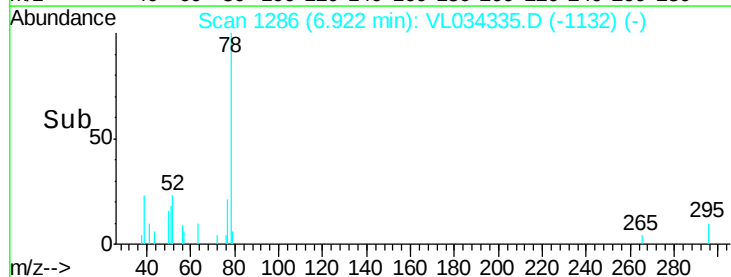
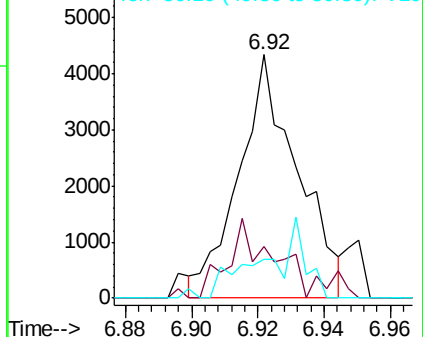


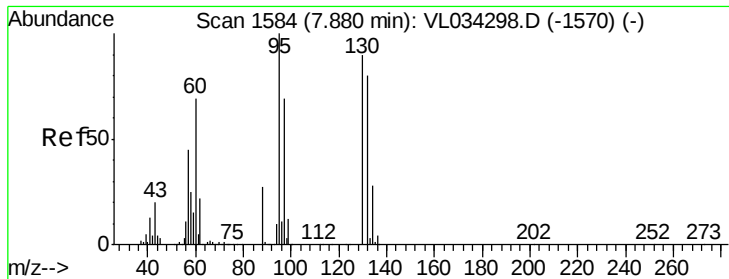
#36
 Benzene
 Concen: 0.033 ppbv
 RT: 6.92 min Scan# 1286
 Delta R.T. -0.01 min
 Lab File: VL034335.D
 Acq: 18 Oct 2019 3:17

Tgt Ion: 78 Resp: 5326
 Ion Ratio Lower Upper
 78 100
 77 23.2 19.0 28.4
 50 33.9 18.6 27.8#



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





#38

Trichloroethene

Concen: 0.049 ppbv

RT: 7.88 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VL034335.D

Acq: 18 Oct 2019 3:17

Instrument :

MSVOA_L

ClientSampleId :

SV4DL2

Tgt Ion:130 Resp: 3202

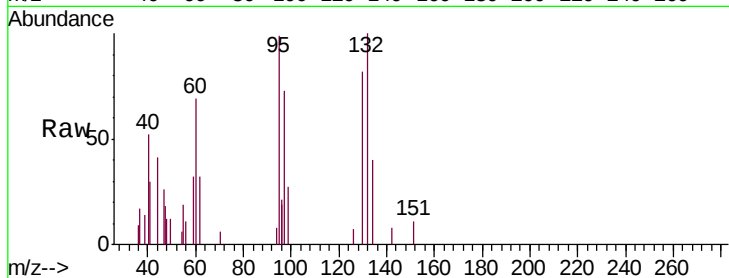
Ion Ratio Lower Upper

130 100

95 52.8 88.6 132.8#

132 129.7 71.2 106.8#

97 94.5 61.0 91.4#

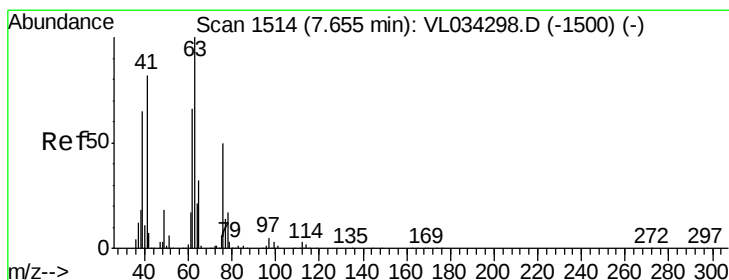
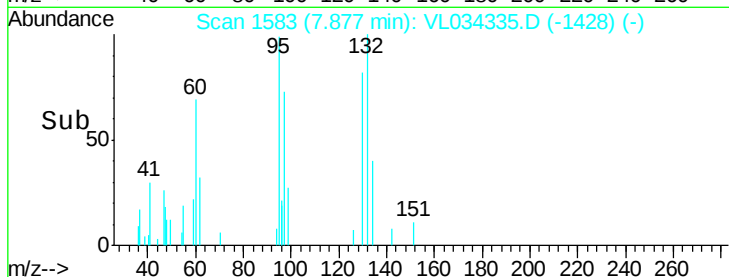
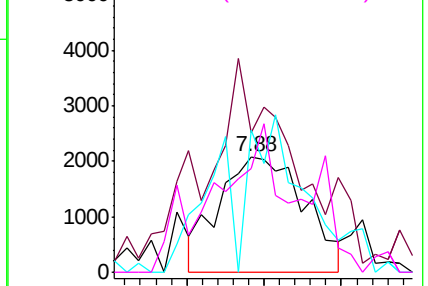


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 6.637 ppbv

RT: 7.21 min Scan# 1376

Delta R.T. -0.44 min

Lab File: VL034335.D

Acq: 18 Oct 2019 3:17

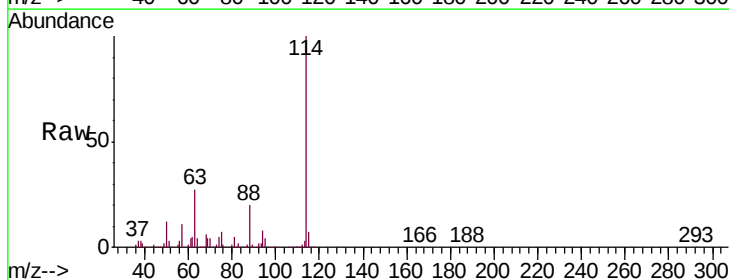
Tgt Ion: 63 Resp: 465910

Ion Ratio Lower Upper

63 100

41 0.0 65.6 98.4#

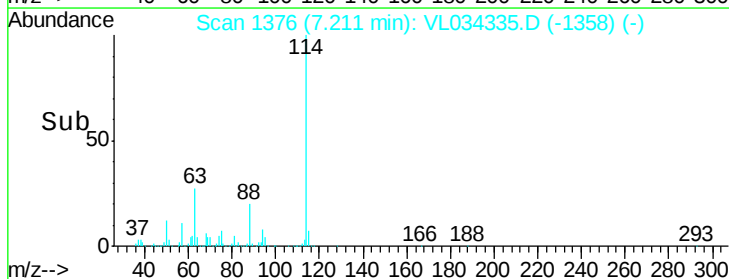
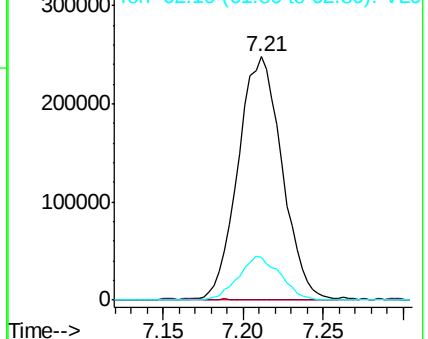
62 17.4 53.0 79.6#

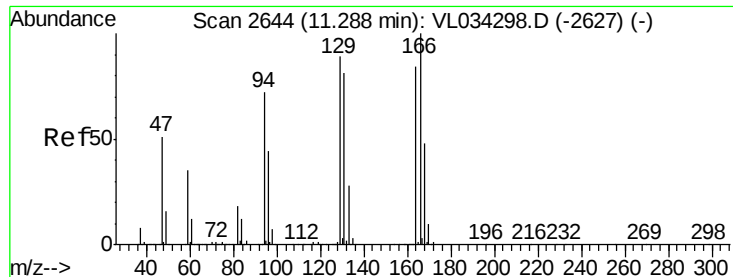


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#52

Tetrachloroethene

Concen: 3.174 ppbv

RT: 11.28 min Scan# 2642

Delta R.T. -0.01 min

Lab File: VL034335.D

Acq: 18 Oct 2019 3:17

Instrument :

MSVOA_L

ClientSampleId :

SV4DL2

Tgt Ion:164 Resp: 202827

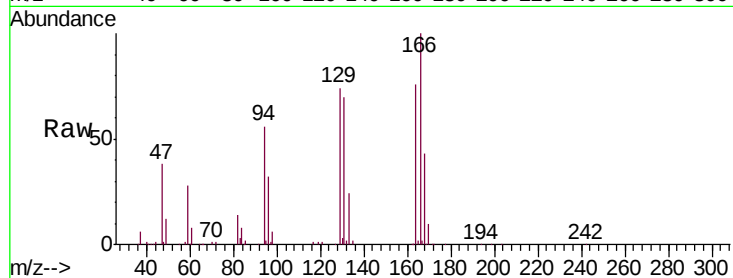
Ion Ratio Lower Upper

164 100

166 130.8 95.3 142.9

129 97.0 84.5 126.7

131 92.2 77.3 115.9



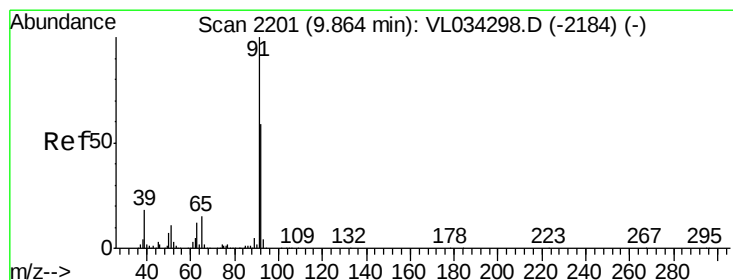
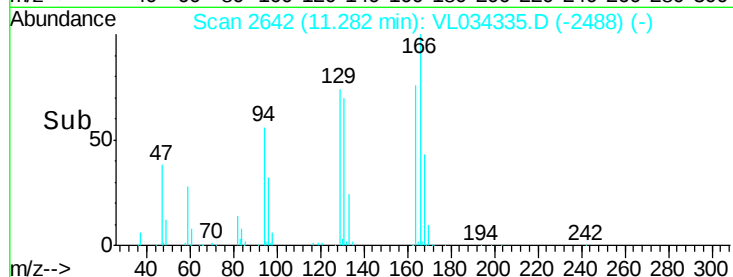
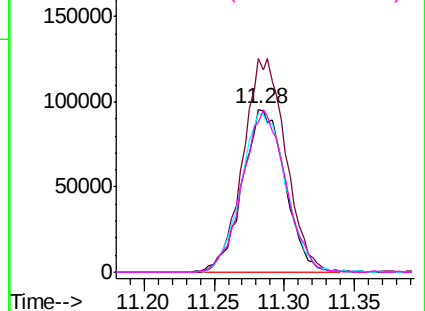
Abundance

Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 0.091 ppbv

RT: 9.86 min Scan# 2199

Delta R.T. -0.01 min

Lab File: VL034335.D

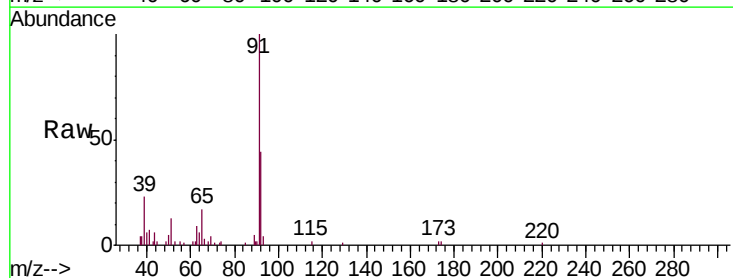
Acq: 18 Oct 2019 3:17

Tgt Ion: 91 Resp: 16456

Ion Ratio Lower Upper

91 100

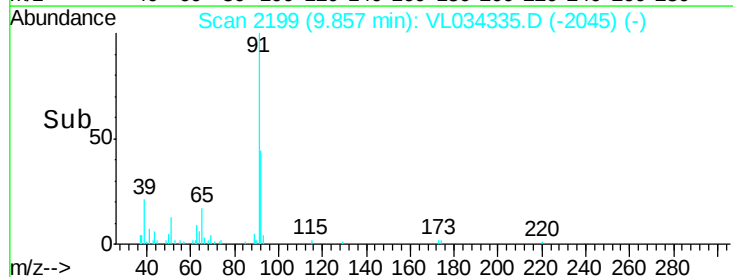
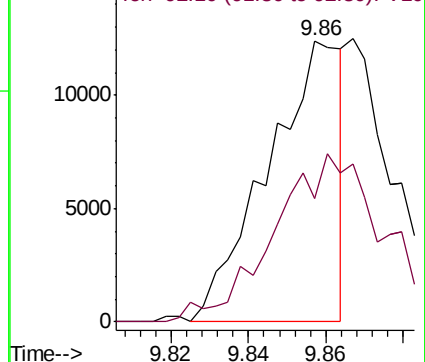
92 90.0 48.4 72.6#

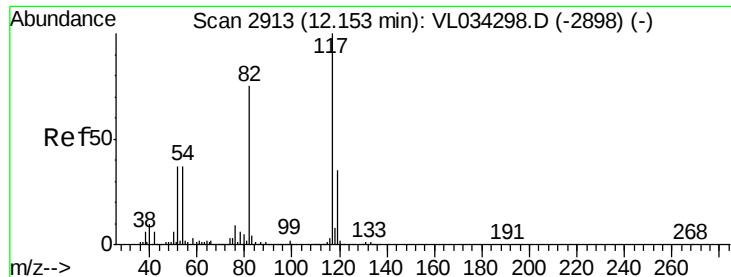


Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

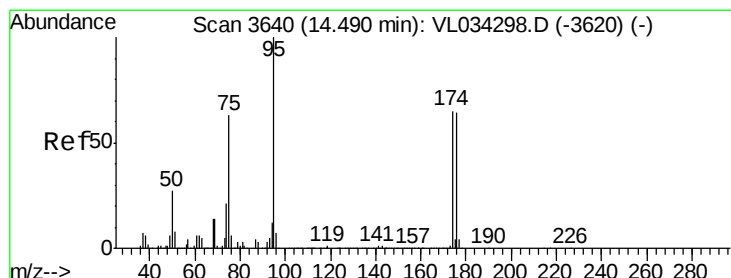
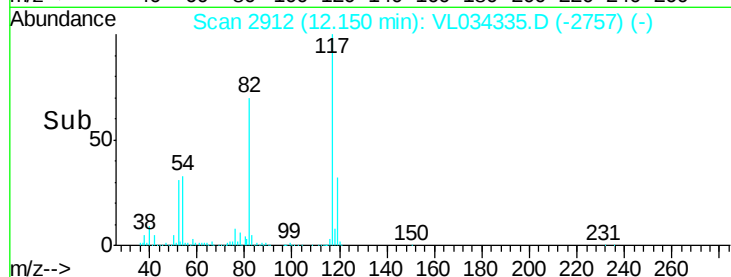
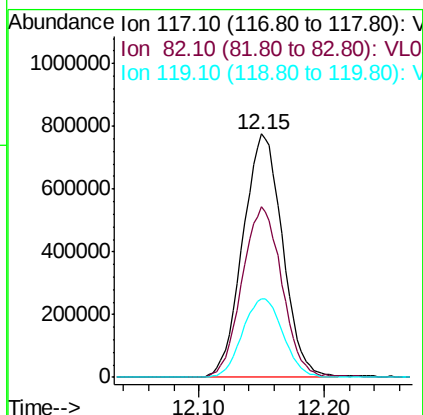
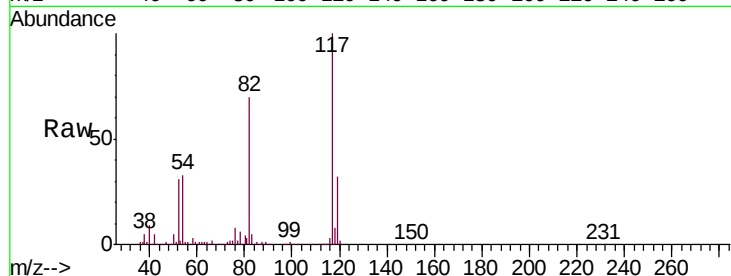




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.00 min
Lab File: VL034335.D
Acq: 18 Oct 2019 3:17

Instrument :
MSVOA_L
ClientSampleId :
SV4DL2

Tgt Ion: 117 Resp: 1708220
Ion Ratio Lower Upper
117 100
82 70.6 55.5 83.3
119 33.2 26.5 39.7



#68
1-Bromo-4-Fluorobenzene
Concen: 9.782 ppbv
RT: 14.49 min Scan# 3640
Delta R.T. 0.00 min
Lab File: VL034335.D
Acq: 18 Oct 2019 3:17

Tgt Ion: 95 Resp: 1415206
Ion Ratio Lower Upper
95 100
174 69.4 52.6 78.8
175 5.0 3.8 5.6

