

Data File : VL034157.D
Acq On : 11 Sep 2019 00:20
Operator : SY/AP
Sample : K4775-04DL2 200X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV4DL2

Quant Time: Sep 11 01:55:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL090519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 05 10:21:45 2019
QLast Update : Thu Sep 05 10:21:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	667829	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.22	114	1199652	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.17	117	1190190	10.00	ppbv	-0.01

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.50 95 1014333 10.42 ppbv -0.01
Spiked Amount 10.000 Range 65 - 135 Recovery = 104.20%

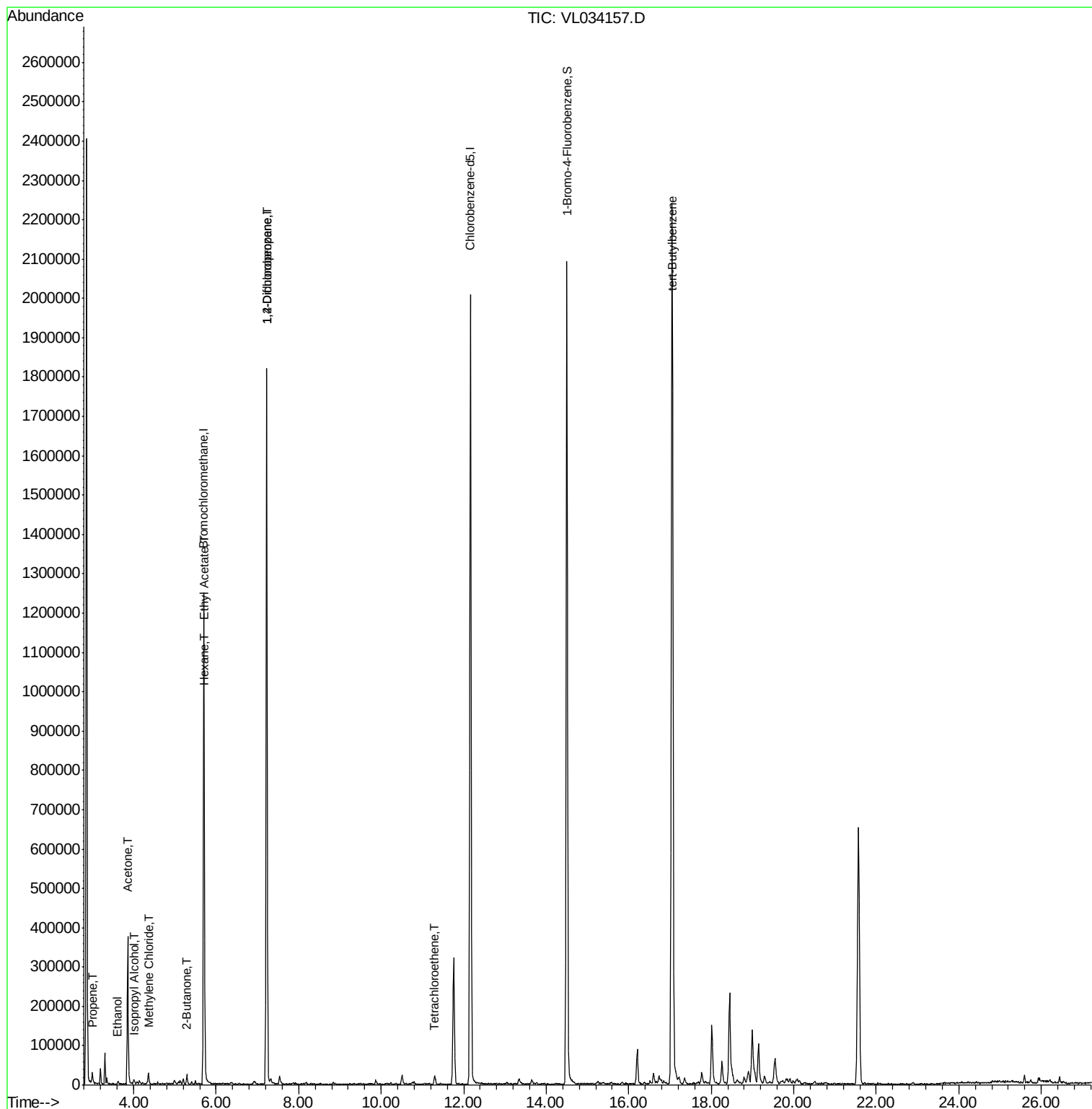
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.00	41	10408	0.250	ppbv	97
13) Ethanol	3.61	45	1285	0.157	ppbv #	37
15) Acetone	3.85	43	373349	4.639	ppbv	99
19) Isopropyl Alcohol	3.99	45	3300	0.061	ppbv #	97
20) Methylene Chloride	4.35	84	2800	0.105	ppbv #	77
25) Ethyl Acetate	5.72	43	10989	0.062	ppbv #	76
26) Hexane	5.72	57	8346	0.106	ppbv #	30
34) 2-Butanone	5.29	43	25386	0.220	ppbv	99
39) 1,2-Dichloropropane	7.22	63	367086	6.256	ppbv #	24
52) Tetrachloroethene	11.29	164	1565	0.032	ppbv #	85
65) tert-Butylbenzene	17.05	119	33807	0.190	ppbv #	25

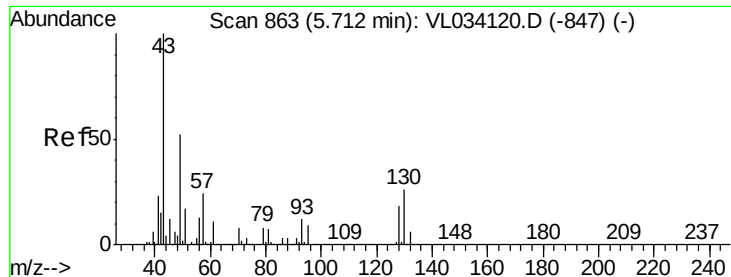
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VL034157.D
Acq On : 11 Sep 2019 00:20
Operator : SY/AP
Sample : K4775-04DL2 200X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV4DL2

Quant Time: Sep 11 01:55:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL090519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 05 10:21:45 2019
QLast Update : Thu Sep 05 10:21:45 2019
Response via : Initial Calibration

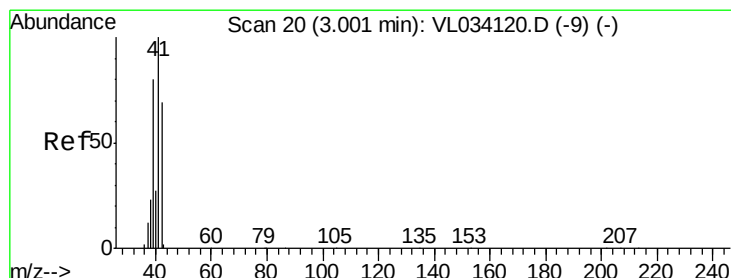
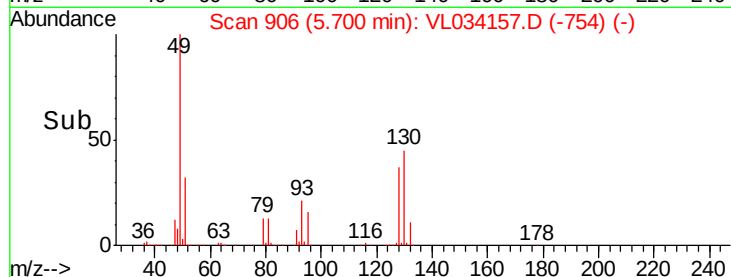
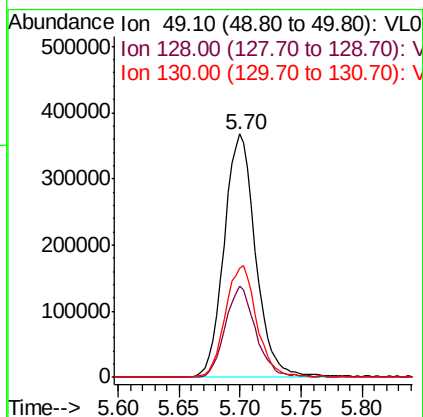
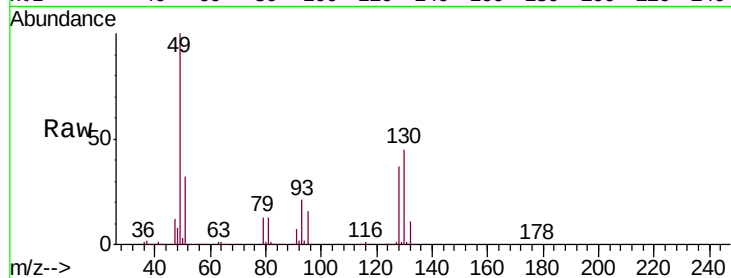




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.70 min Scan# 906
 Delta R.T. -0.01 min
 Lab File: VL034157.D
 Acq: 11 Sep 2019 00:20

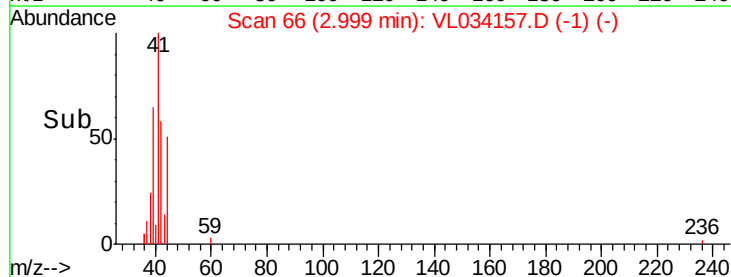
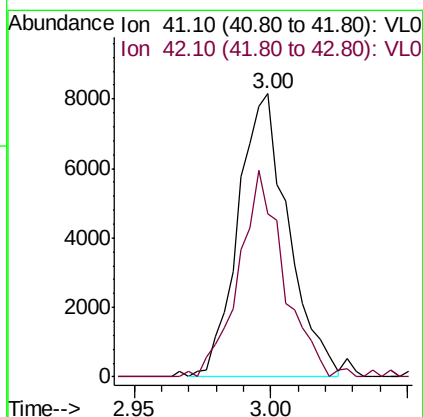
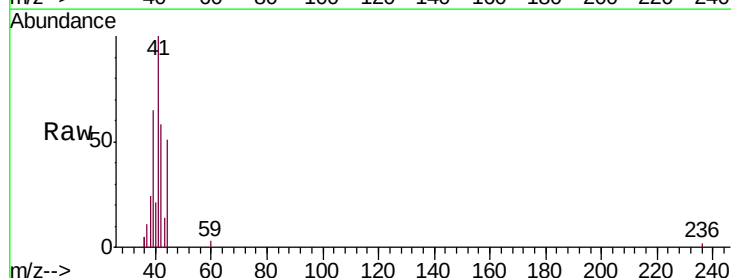
Instrument :
 MSVOA_L
 ClientSampleID :
 SV4DL2

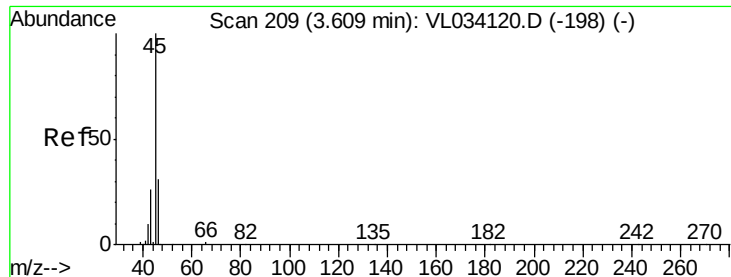
Tgt Ion: 49 Resp: 667829
 Ion Ratio Lower Upper
 49 100
 128 36.2 18.4 55.0
 130 46.2 23.5 70.6



#9
 Propene
 Concen: 0.250 ppbv
 RT: 3.00 min Scan# 66
 Delta R.T. -0.00 min
 Lab File: VL034157.D
 Acq: 11 Sep 2019 00:20

Tgt Ion: 41 Resp: 10408
 Ion Ratio Lower Upper
 41 100
 42 65.9 54.6 81.8





#13

Ethanol

Concen: 0.157 ppbv

RT: 3.61 min Scan# 255

Delta R.T. -0.00 min

Lab File: VL034157.D

Acq: 11 Sep 2019 00:20

Instrument :

MSVOA_L

ClientSampleId :

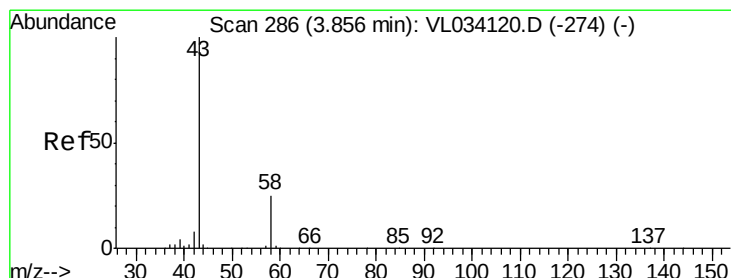
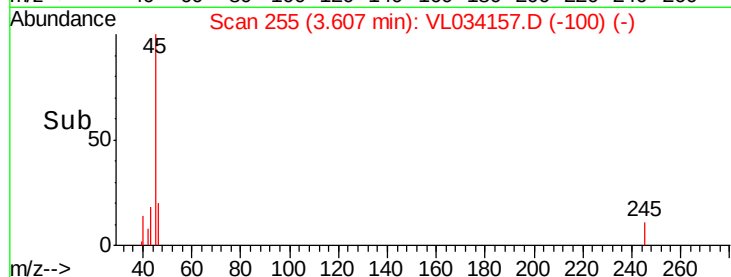
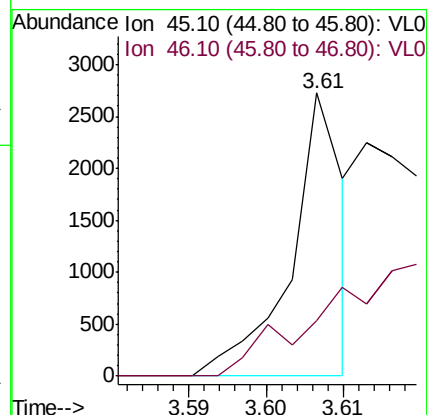
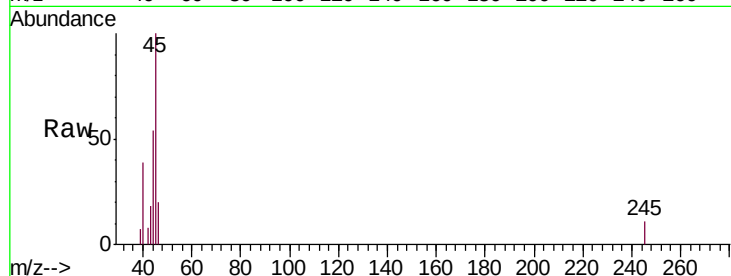
SV4DL2

Tgt Ion: 45 Resp: 1285

Ion Ratio Lower Upper

45 100

46 0.0 15.0 60.0#



#15

Acetone

Concen: 4.639 ppbv

RT: 3.85 min Scan# 332

Delta R.T. -0.00 min

Lab File: VL034157.D

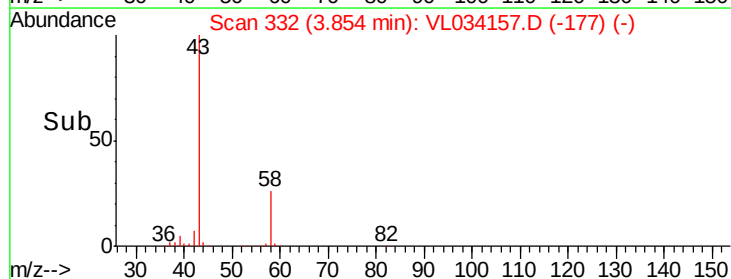
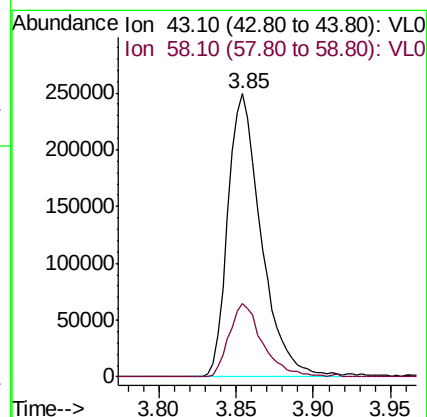
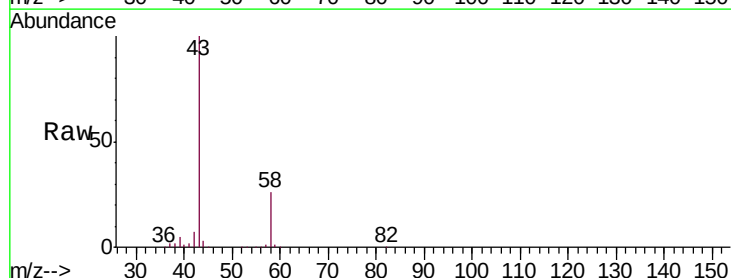
Acq: 11 Sep 2019 00:20

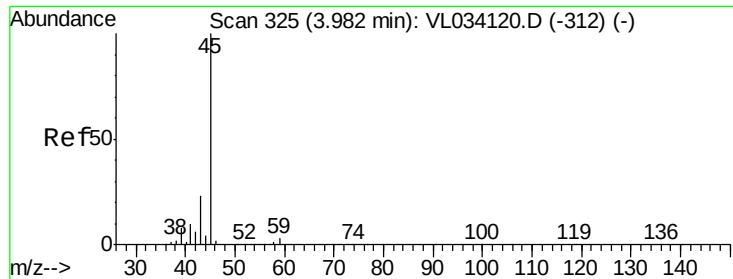
Tgt Ion: 43 Resp: 373349

Ion Ratio Lower Upper

43 100

58 26.4 20.6 30.8





#19

Isopropyl Alcohol

Concen: 0.061 ppbv

RT: 3.99 min Scan# 375

Delta R.T. 0.01 min

Lab File: VL034157.D

Acq: 11 Sep 2019 00:20

Instrument :

MSVOA_L

ClientSampleId :

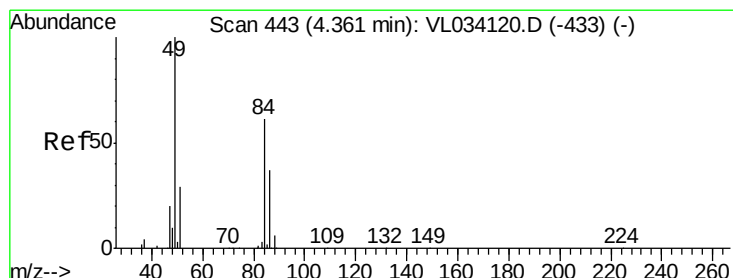
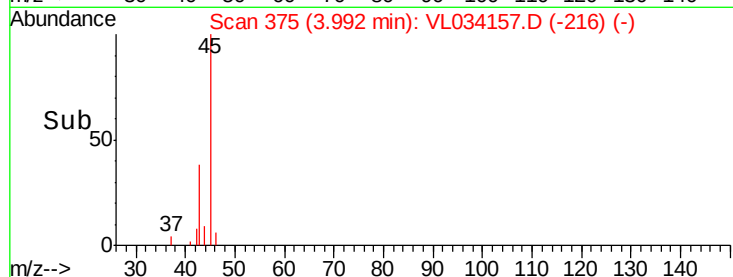
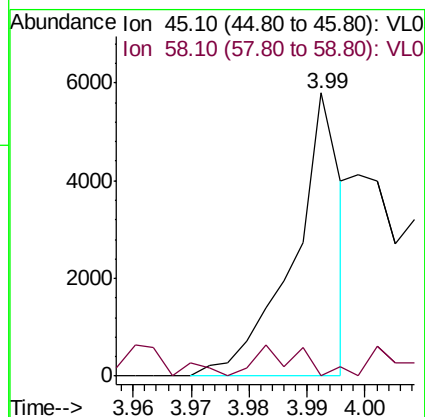
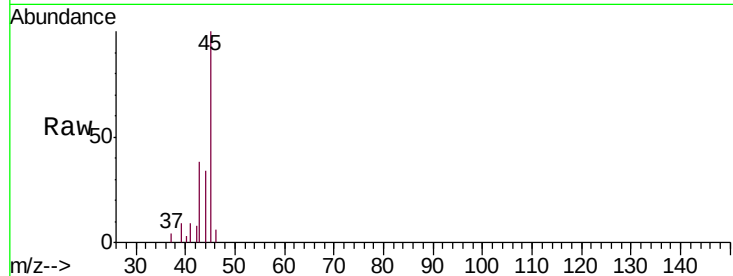
SV4DL2

Tgt Ion: 45 Resp: 3300

Ion Ratio Lower Upper

45 100

58 0.0 1.0 1.6#



#20

Methylene Chloride

Concen: 0.105 ppbv

RT: 4.35 min Scan# 486

Delta R.T. -0.01 min

Lab File: VL034157.D

Acq: 11 Sep 2019 00:20

Tgt Ion: 84 Resp: 2800

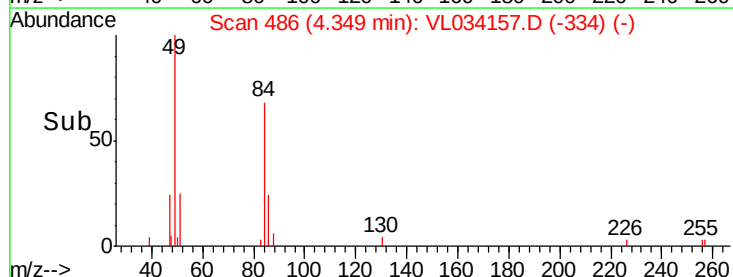
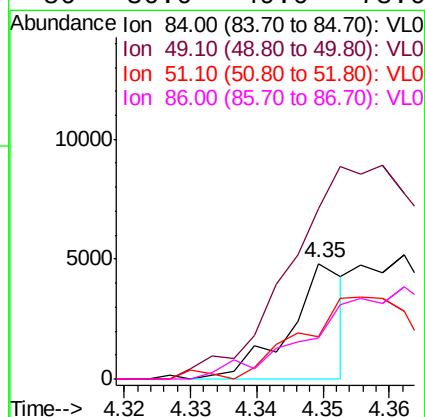
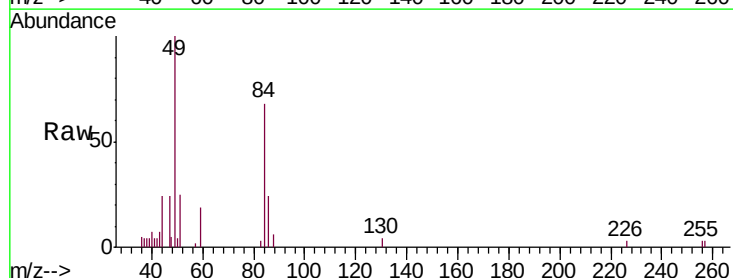
Ion Ratio Lower Upper

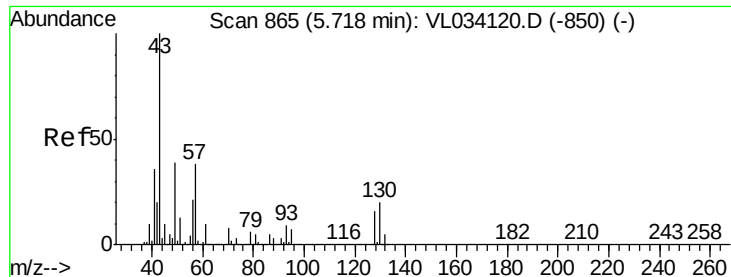
84 100

49 138.9 131.0 196.6

51 29.1 38.1 57.1#

86 36.0 49.0 73.6#

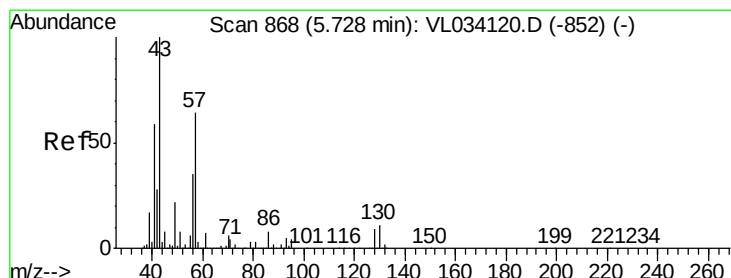
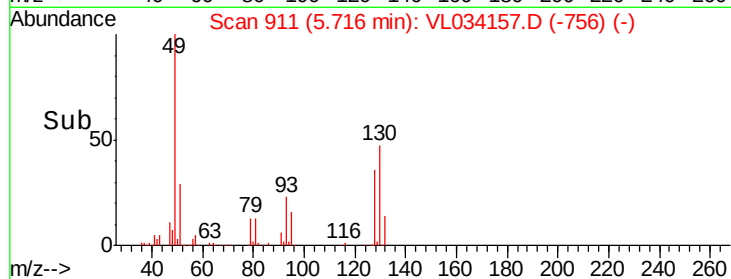
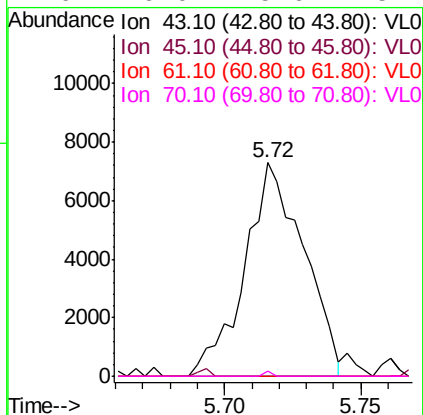
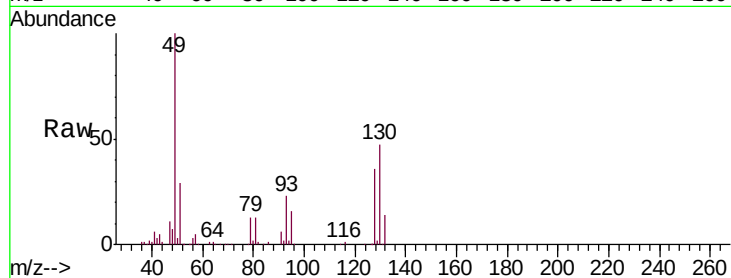




#25
Ethyl Acetate
Concen: 0.062 ppbv
RT: 5.72 min Scan# 911
Delta R.T. -0.00 min
Lab File: VL034157.D
Acq: 11 Sep 2019 00:20

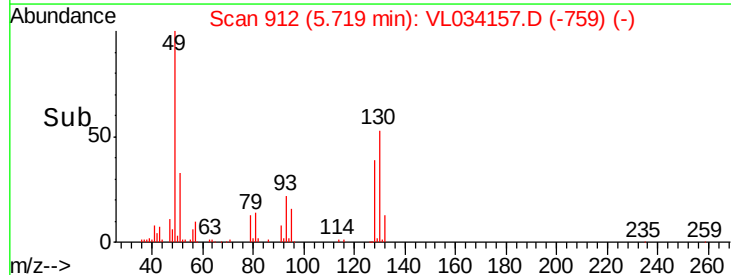
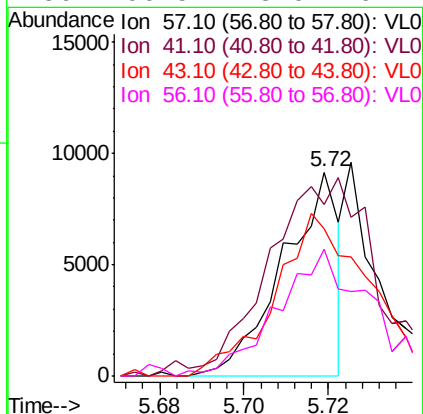
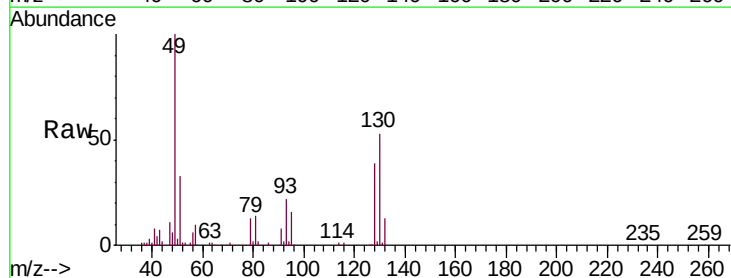
Instrument :
MSVOA_L
ClientSampled :
SV4DL2

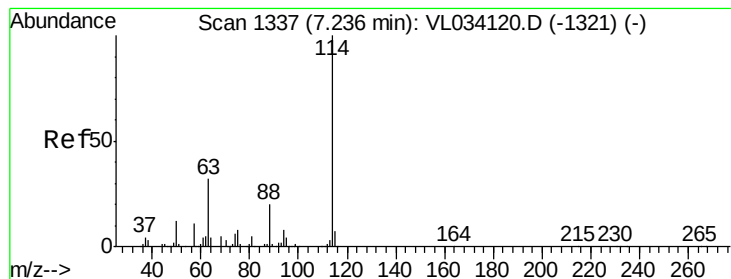
Tgt Ion:	43	Resp:	10989
Ion	Ratio	Lower	Upper
43	100		
45	0.7	8.2	12.4#
61	0.0	7.4	11.2#
70	0.0	5.6	8.4#



#26
Hexane
Concen: 0.106 ppbv
RT: 5.72 min Scan# 912
Delta R.T. -0.01 min
Lab File: VL034157.D
Acq: 11 Sep 2019 00:20

Tgt Ion:	57	Resp:	8346
Ion	Ratio	Lower	Upper
57	100		
41	0.0	76.6	115.0#
43	138.6	189.2	283.8#
56	106.5	43.0	64.4#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.22 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VL034157.D

Acq: 11 Sep 2019 00:20

Instrument :

MSVOA_L

ClientSampleId :

SV4DL2

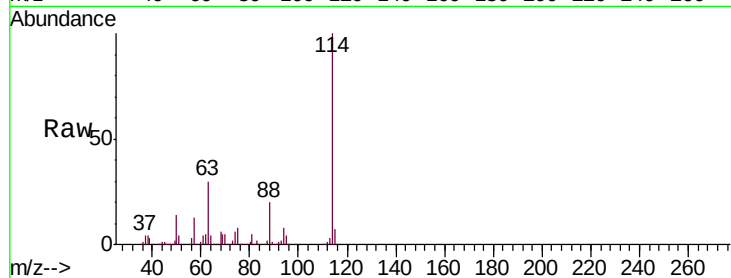
Tgt Ion: 114 Resp: 1199652

Ion Ratio Lower Upper

114 100

63 30.8 25.5 38.3

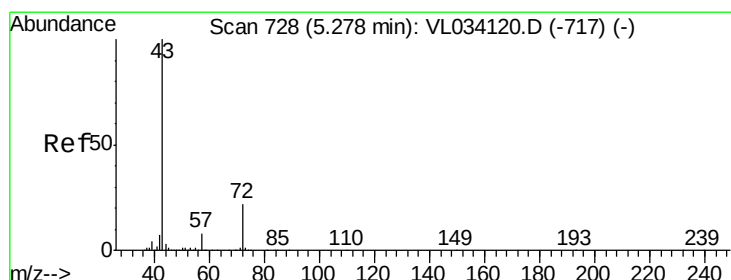
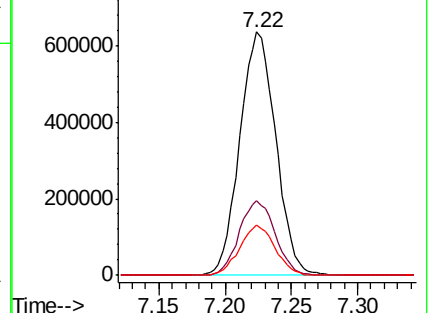
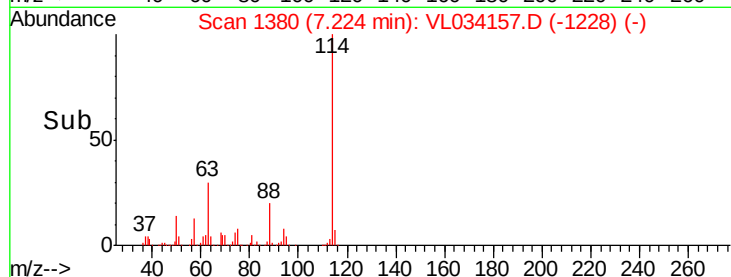
88 20.2 16.8 25.2



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



#34

2-Butanone

Concen: 0.220 ppbv

RT: 5.29 min Scan# 778

Delta R.T. 0.01 min

Lab File: VL034157.D

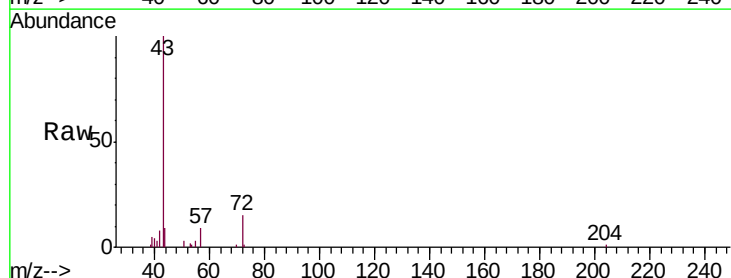
Acq: 11 Sep 2019 00:20

Tgt Ion: 43 Resp: 25386

Ion Ratio Lower Upper

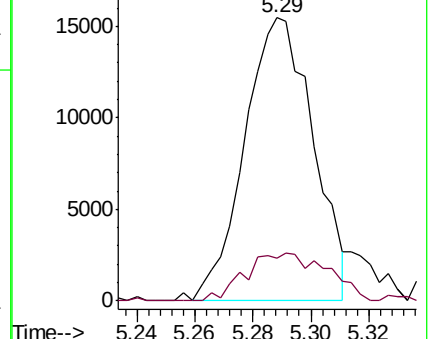
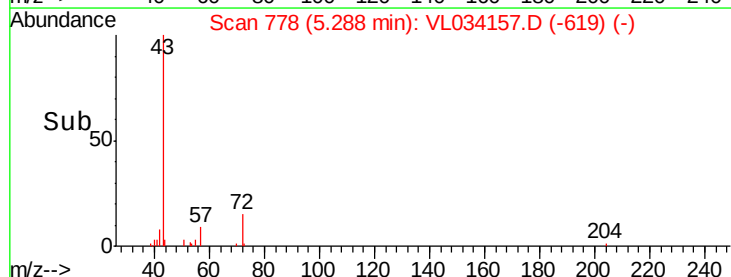
43 100

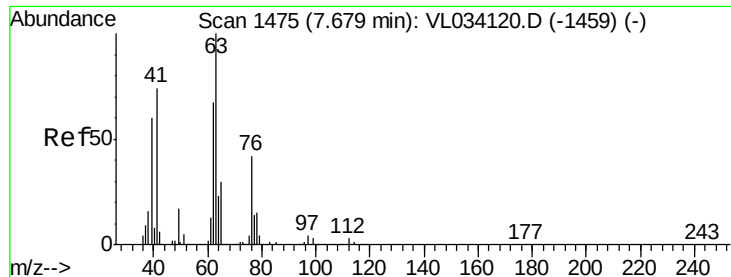
72 20.9 16.5 24.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#39

1,2-Dichloropropane

Concen: 6.256 ppbv

RT: 7.22 min Scan# 1380

Delta R.T. -0.46 min

Lab File: VL034157.D

Acq: 11 Sep 2019 00:20

Instrument :

MSVOA_L

ClientSampled :

SV4DL2

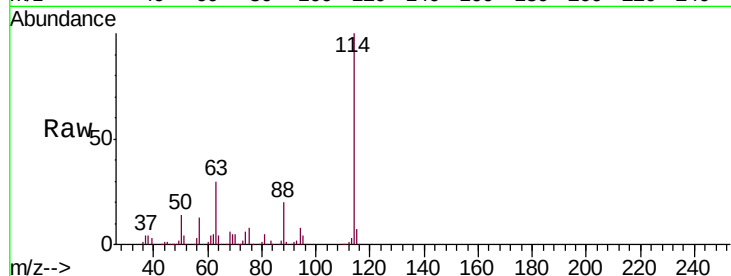
Tgt Ion: 63 Resp: 367086

Ion Ratio Lower Upper

63 100

41 0.0 59.3 88.9#

62 17.1 53.8 80.6#

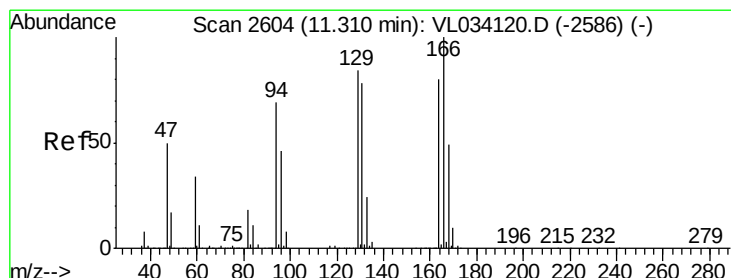
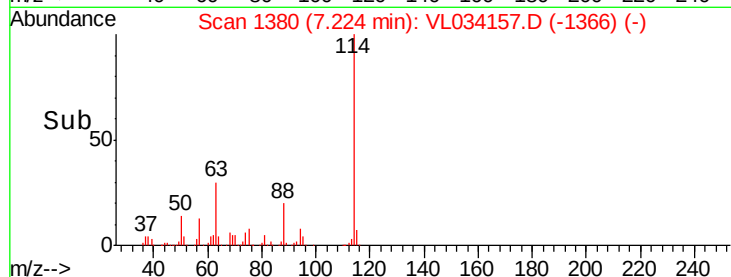
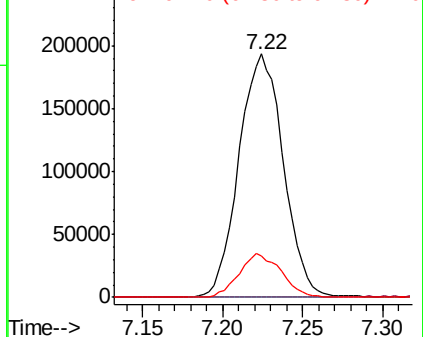


Abundance

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: 0.032 ppbv

RT: 11.29 min Scan# 2645

Delta R.T. -0.02 min

Lab File: VL034157.D

Acq: 11 Sep 2019 00:20

Tgt Ion: 164 Resp: 1565

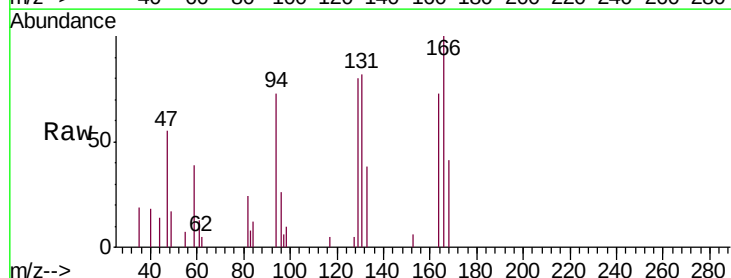
Ion Ratio Lower Upper

164 100

166 119.0 99.5 149.3

129 64.7 83.6 125.4#

131 95.8 77.9 116.9



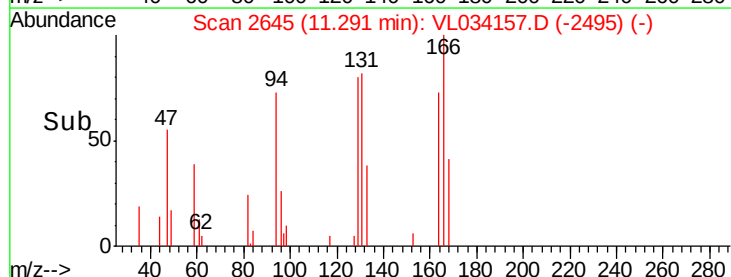
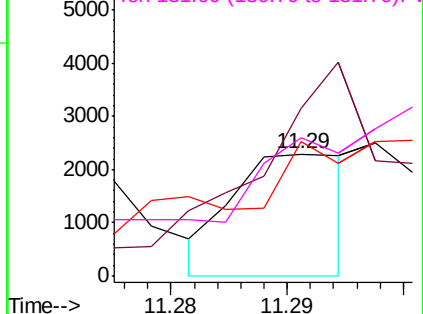
Abundance

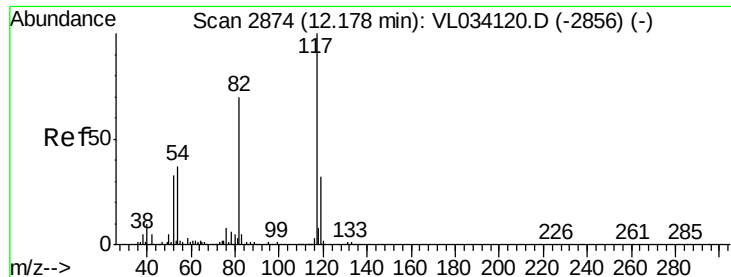
Ion 163.90 (163.60 to 164.60): V

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

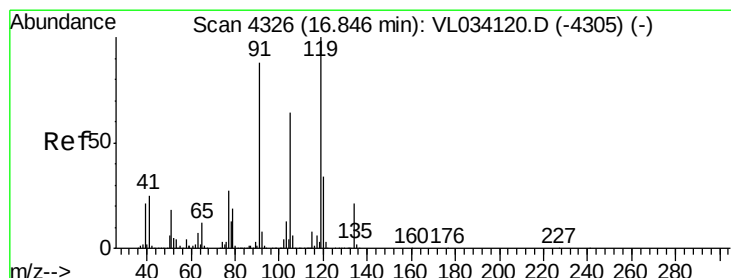
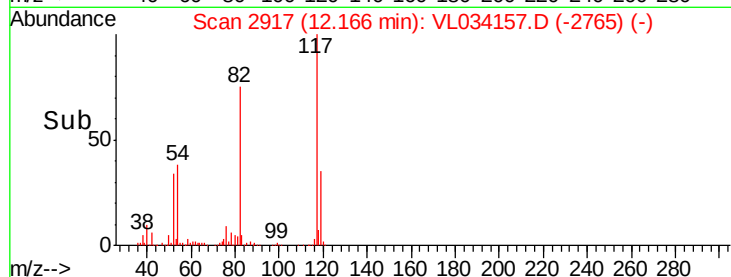
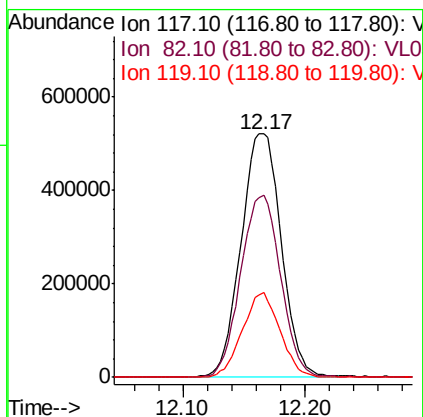
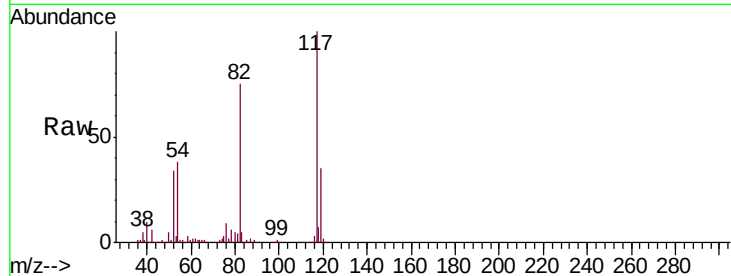




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.17 min Scan# 2917
Delta R.T. -0.01 min
Lab File: VL034157.D
Acq: 11 Sep 2019 00:20

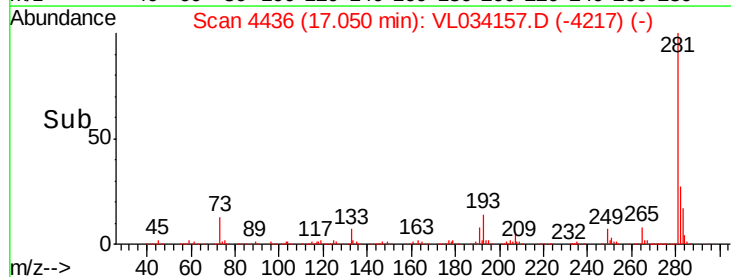
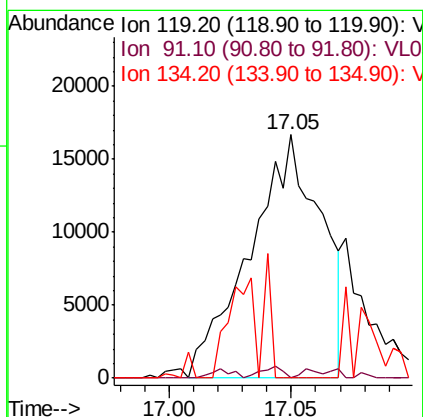
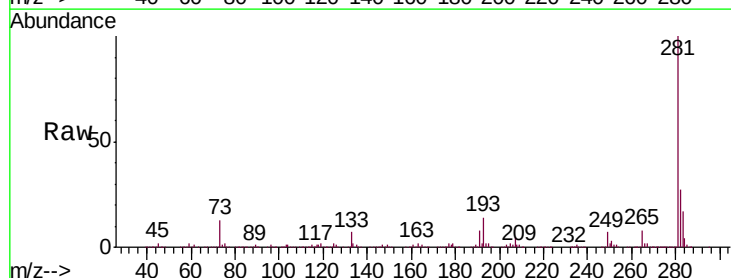
Instrument :
MSVOA_L
ClientSampleId :
SV4DL2

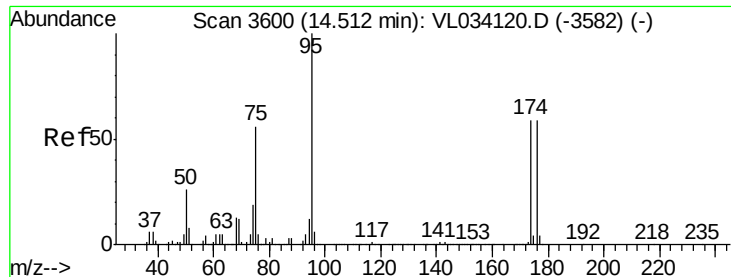
Tgt Ion:117 Resp: 1190190
Ion Ratio Lower Upper
117 100
82 74.7 55.8 83.6
119 32.6 43.1 64.7#



#65
tert-Butylbenzene
Concen: 0.190 ppbv
RT: 17.05 min Scan# 4436
Delta R.T. 0.20 min
Lab File: VL034157.D
Acq: 11 Sep 2019 00:20

Tgt Ion:119 Resp: 33807
Ion Ratio Lower Upper
119 100
91 4.3 72.8 109.2#
134 20.7 15.8 23.8





#68

1-Bromo-4-Fluorobenzene

Concen: 10.425 ppbv

RT: 14.50 min Scan# 3643

Delta R.T. -0.01 min

Lab File: VL034157.D

Acq: 11 Sep 2019 00:20

Instrument :

MSVOA_L

ClientSampleId :

SV4DL2

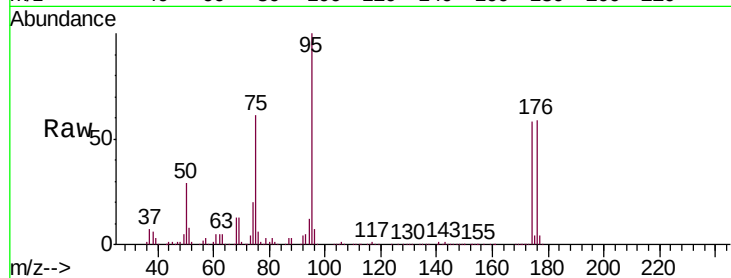
Tgt Ion: 95 Resp: 1014333

Ion Ratio Lower Upper

95 100

174 60.1 48.1 72.1

175 4.4 3.5 5.3



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

