

Data File : VL034272.D
Acq On : 9 Oct 2019 9:19
Operator : SY/AP
Sample : K5222-03DL2 300X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
V-3DL2

Quant Time: Oct 10 01:22:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed 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	5.68	49	974007	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.21	114	1820796	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.15	117	1812607	10.00	ppbv	-0.02

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.48 95 1572869 9.99 ppbv -0.03
Spiked Amount 10.000 Range 65 - 135 Recovery = 99.90%

Target Compounds						Qvalue
9) Propene	2.99	41	5819	0.103	ppbv	87
13) Ethanol	3.60	45	15692	1.150	ppbv #	36
15) Acetone	3.85	43	138053	1.058	ppbv	97
20) Methylene Chloride	4.35	84	12043	0.320	ppbv #	81
31) cis-1,2-Dichloroethene	5.56	61	19523	0.187	ppbv	93
38) Trichloroethene	7.87	130	4764	0.066	ppbv #	18
39) 1,2-Dichloropropane	7.20	63	558114	6.177	ppbv #	19
52) Tetrachloroethene	11.28	164	322453	4.853	ppbv	96

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

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Misc : 400ml/MSVOA_L

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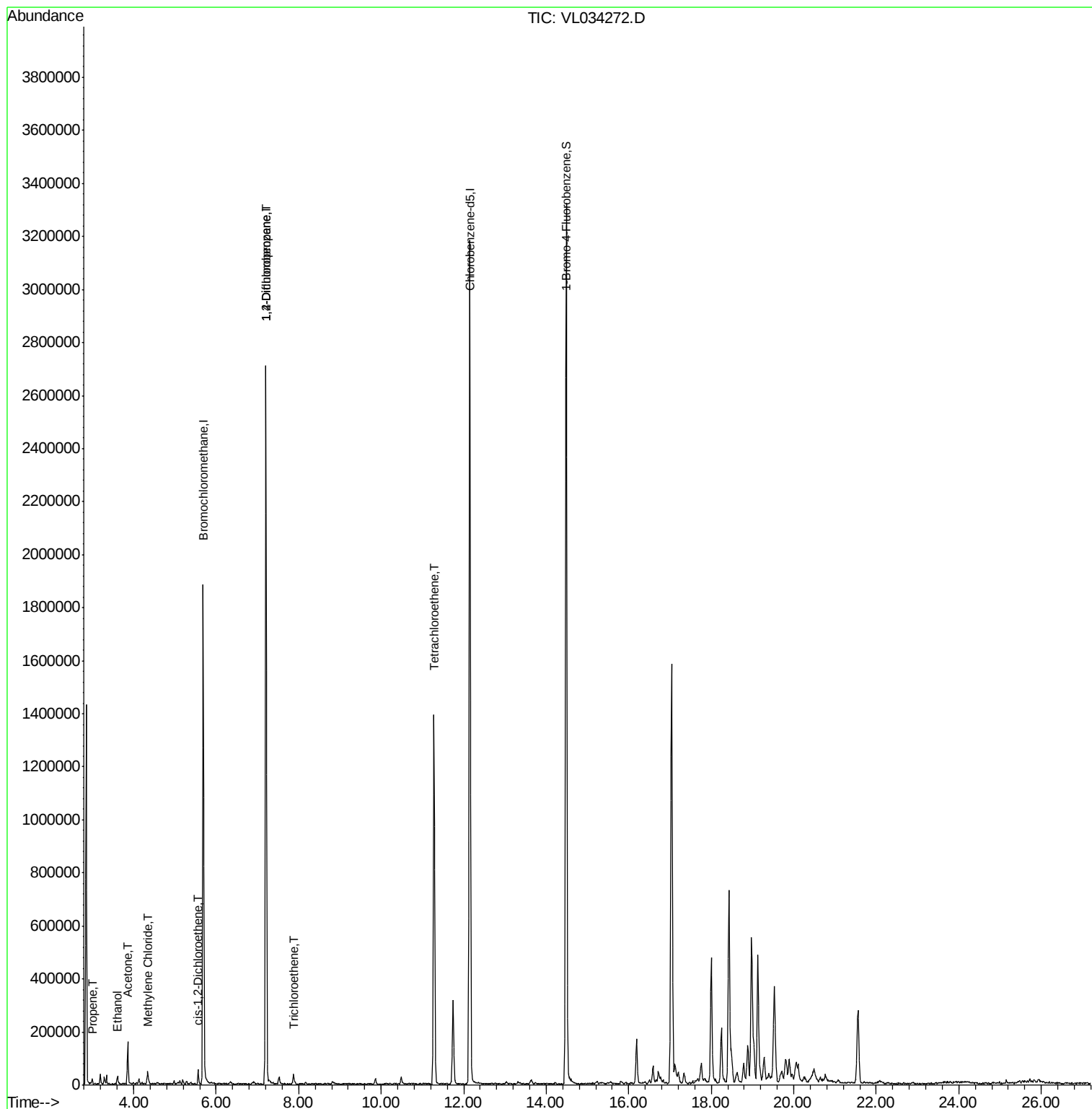
Quant Time: Oct 10 01:22:01 2019

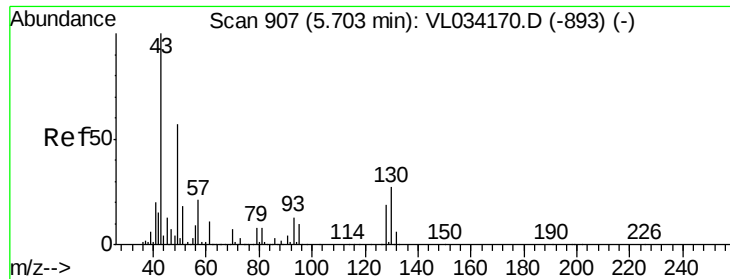
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M

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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. -0.02 min

Lab File: VL034272.D

Acq: 9 Oct 2019 9:19

Instrument :

MSVOA_L

ClientSampleId :

V-3DL2

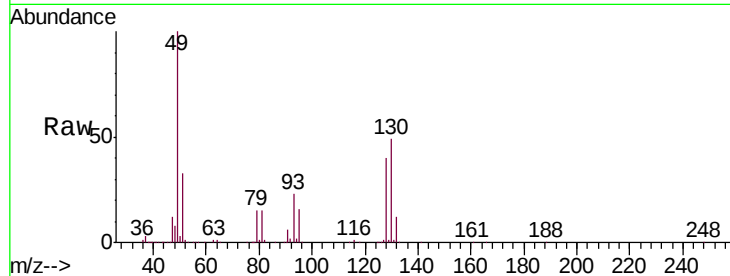
Tgt Ion: 49 Resp: 974007

Ion Ratio Lower Upper

49 100

128 38.5 17.6 52.9

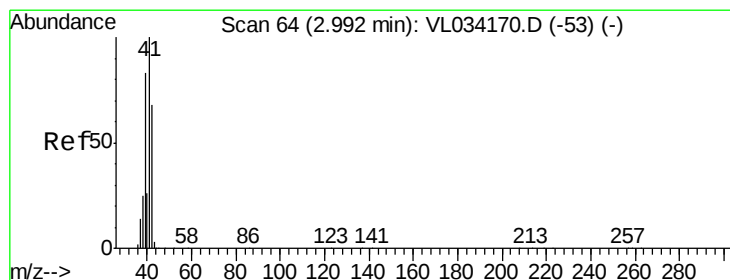
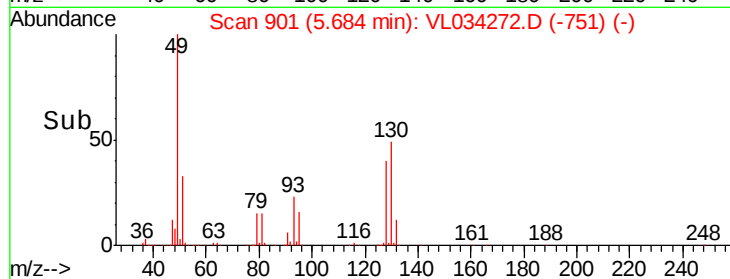
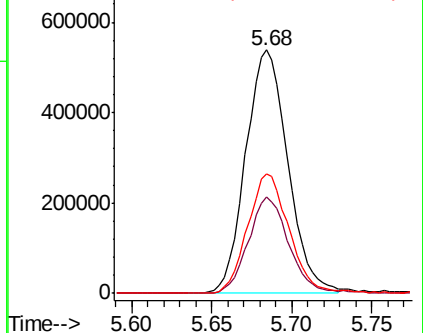
130 48.9 22.3 66.9



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: 0.103 ppbv

RT: 2.99 min Scan# 62

Delta R.T. -0.01 min

Lab File: VL034272.D

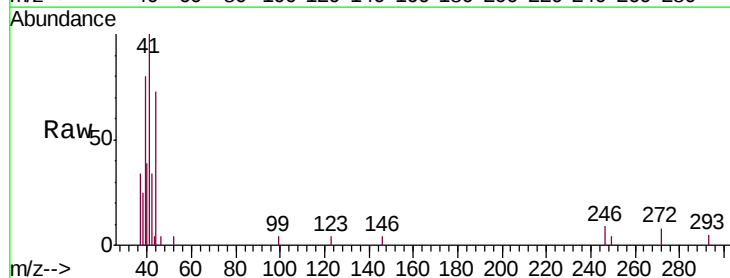
Acq: 9 Oct 2019 9:19

Tgt Ion: 41 Resp: 5819

Ion Ratio Lower Upper

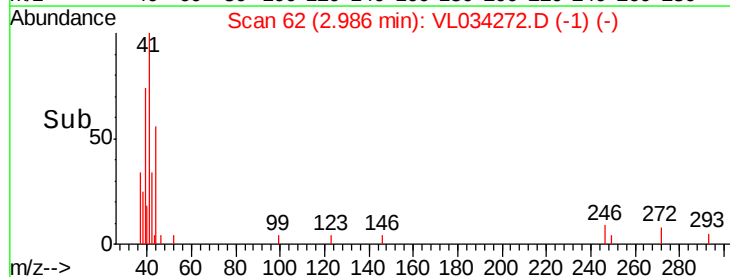
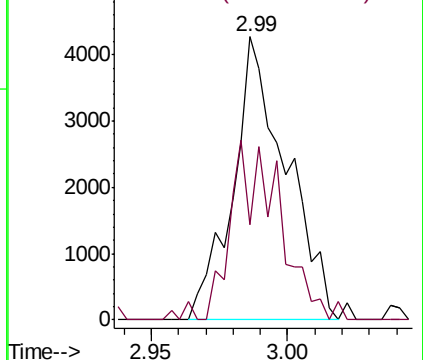
41 100

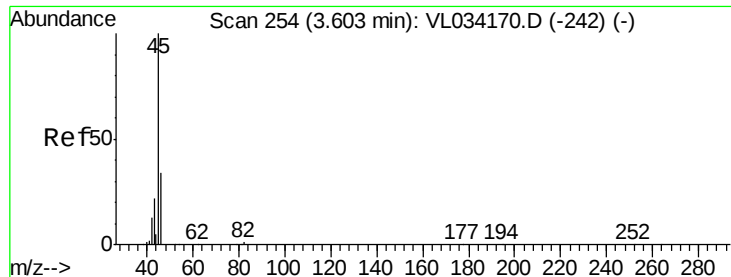
42 58.7 55.8 83.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

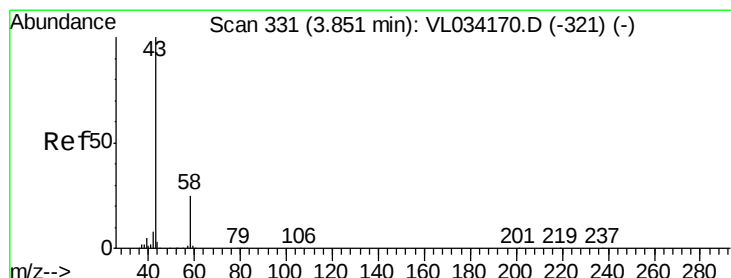
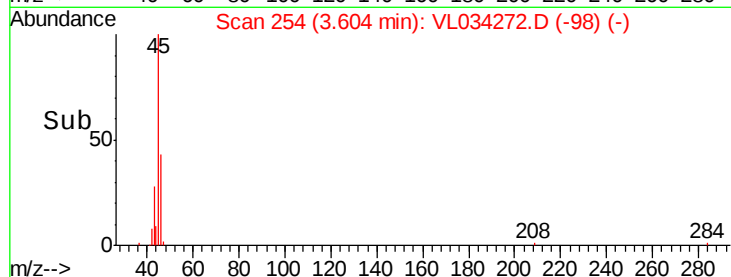
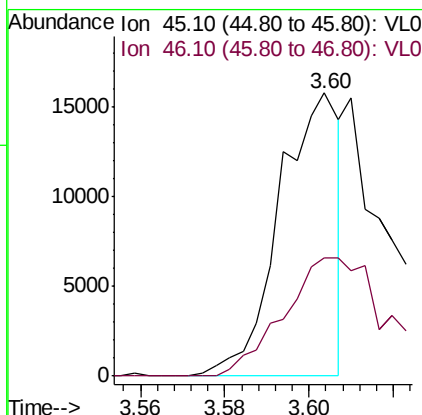
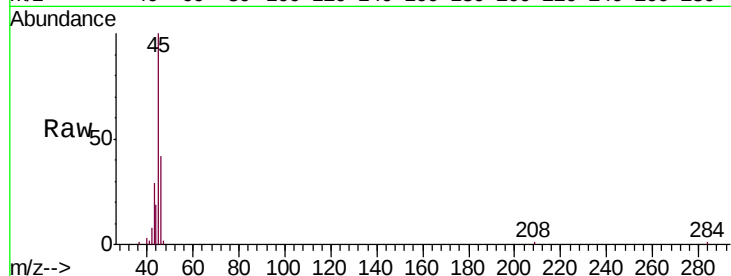




#13
Ethanol
Concen: 1.150 ppbv
RT: 3.60 min Scan# 254
Delta R.T. 0.00 min
Lab File: VL034272.D
Acq: 9 Oct 2019 9:19

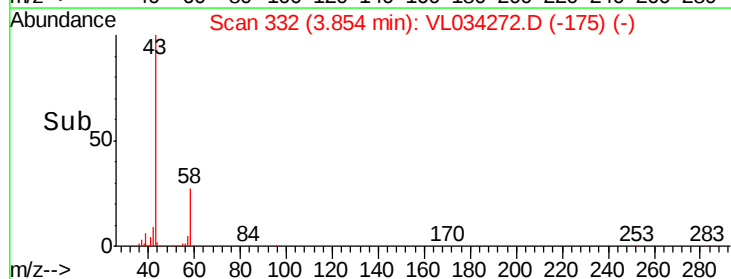
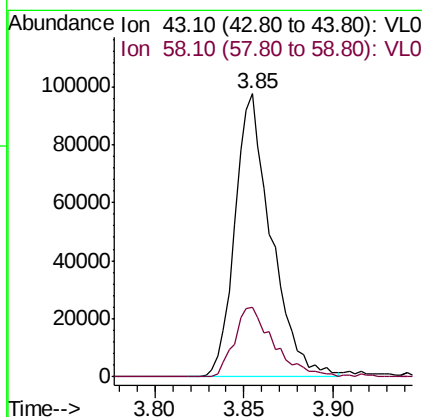
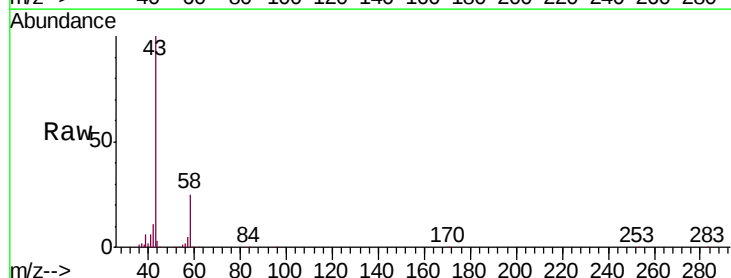
Instrument :
MSVOA_L
ClientSampleId :
V-3DL2

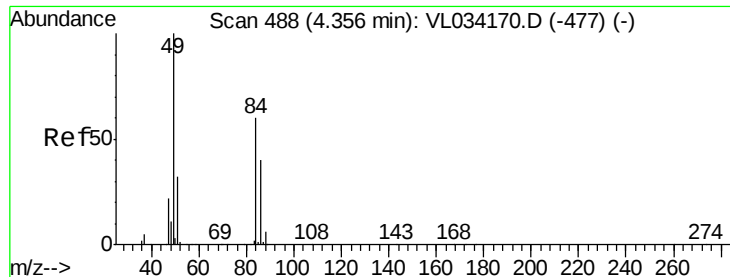
Tgt Ion: 45 Resp: 15692
Ion Ratio Lower Upper
45 100
46 77.4 15.5 61.9#



#15
Acetone
Concen: 1.058 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.00 min
Lab File: VL034272.D
Acq: 9 Oct 2019 9:19

Tgt Ion: 43 Resp: 138053
Ion Ratio Lower Upper
43 100
58 27.2 20.5 30.7

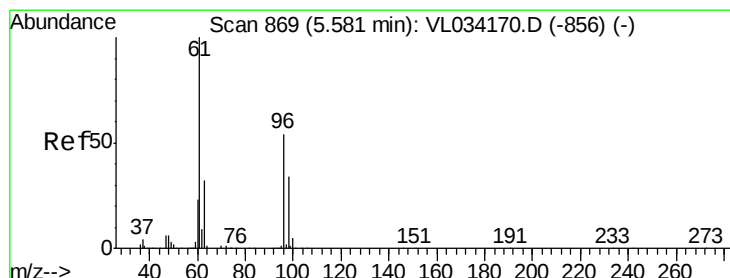
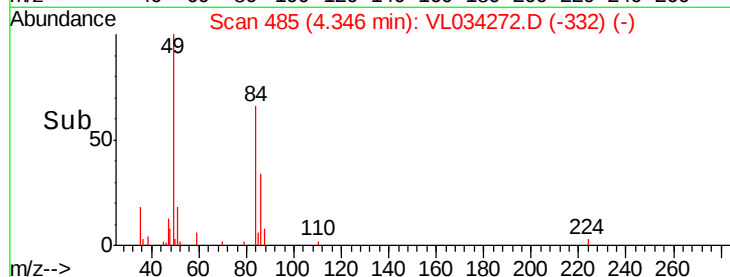
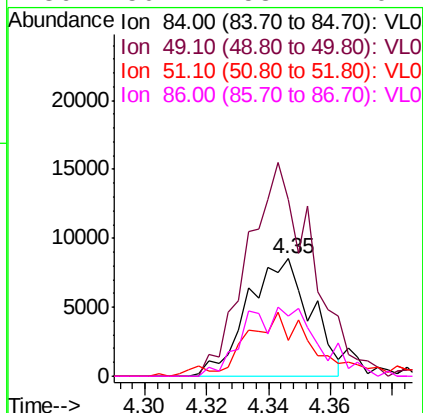
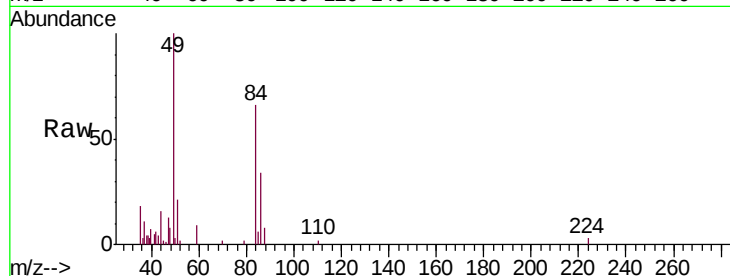




#20
Methylene Chloride
Concen: 0.320 ppbv
RT: 4.35 min Scan# 485
Delta R.T. -0.01 min
Lab File: VL034272.D
Acq: 9 Oct 2019 9:19

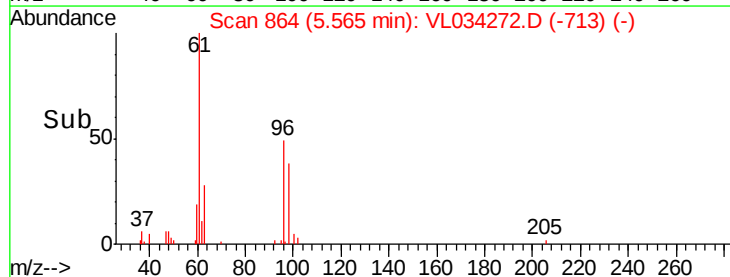
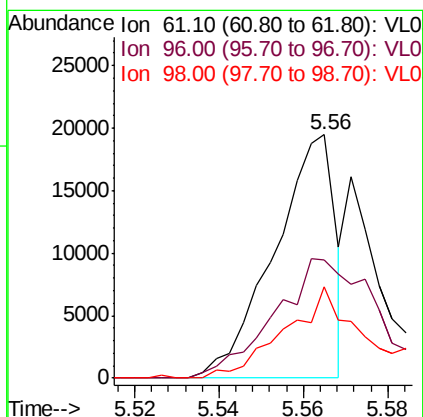
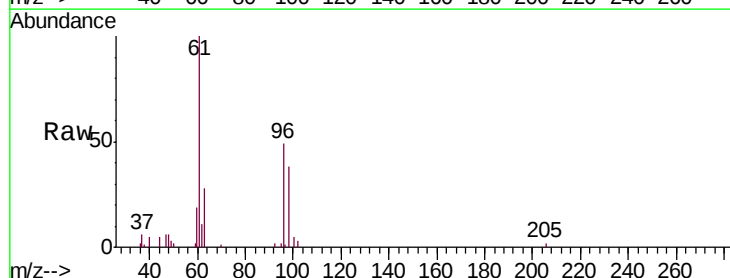
Instrument :
MSVOA_L
ClientSampleId :
V-3DL2

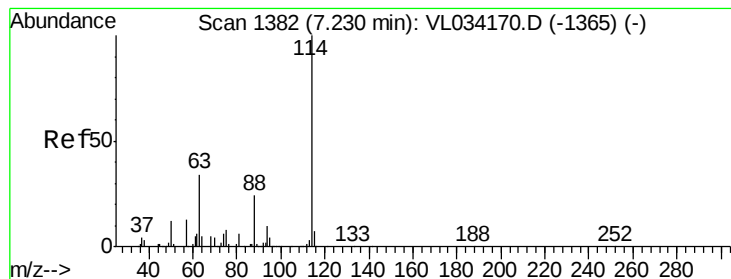
Tgt Ion: 84 Resp: 12043
Ion Ratio Lower Upper
84 100
49 150.8 133.8 200.8
51 25.1 43.6 65.4#
86 50.7 53.1 79.7#



#31
cis-1,2-Dichloroethene
Concen: 0.187 ppbv
RT: 5.56 min Scan# 864
Delta R.T. -0.02 min
Lab File: VL034272.D
Acq: 9 Oct 2019 9:19

Tgt Ion: 61 Resp: 19523
Ion Ratio Lower Upper
61 100
96 48.8 43.0 64.4
98 37.5 27.2 40.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.21 min Scan# 1375

Delta R.T. -0.02 min

Lab File: VL034272.D

Acq: 9 Oct 2019 9:19

Instrument :

MSVOA_L

ClientSampleId :

V-3DL2

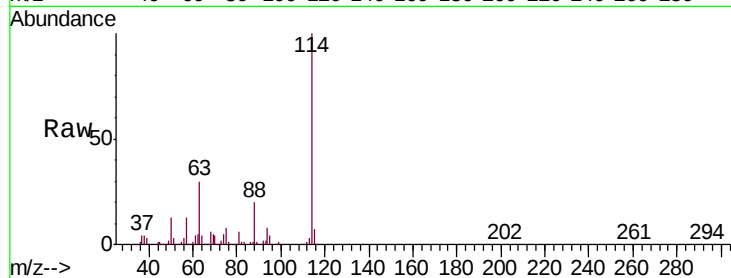
Tgt Ion:114 Resp: 1820796

Ion Ratio Lower Upper

114 100

63 30.9 27.8 41.6

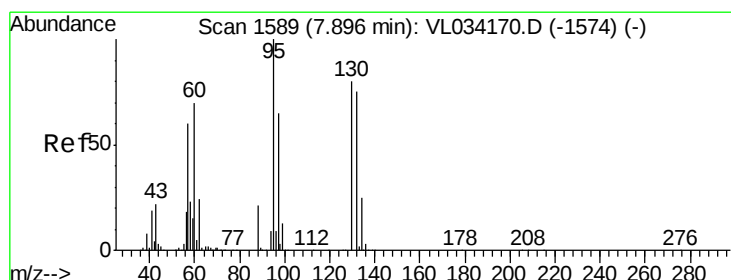
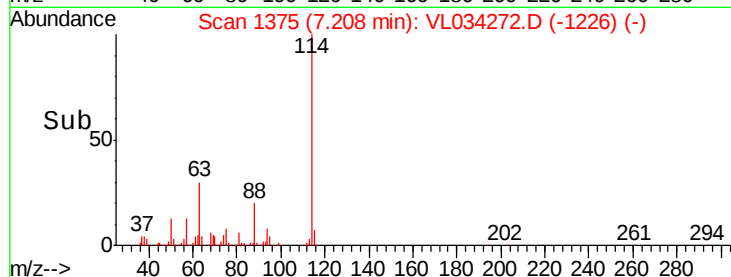
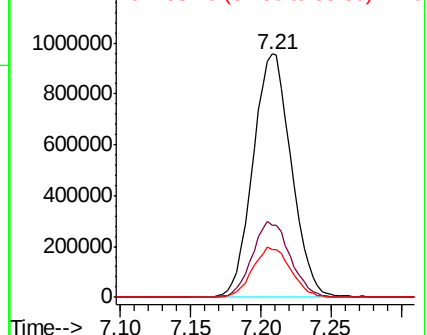
88 20.5 17.1 25.7



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#38

Trichloroethene

Concen: 0.066 ppbv

RT: 7.87 min Scan# 1582

Delta R.T. -0.02 min

Lab File: VL034272.D

Acq: 9 Oct 2019 9:19

Tgt Ion:130 Resp: 4764

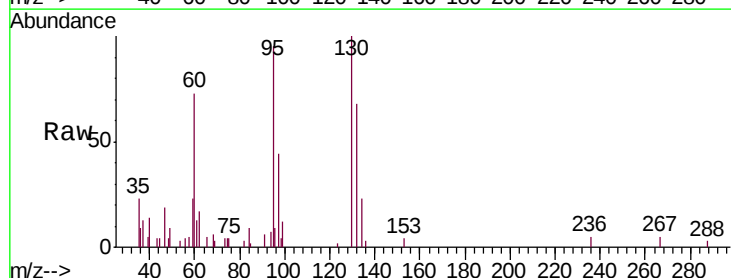
Ion Ratio Lower Upper

130 100

95 28.3 99.8 149.6#

132 24.7 75.2 112.8#

97 2.0 65.0 97.4#

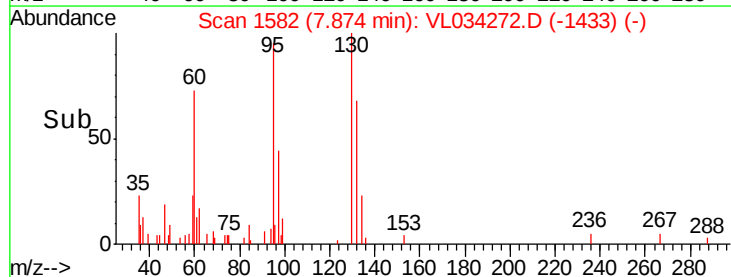
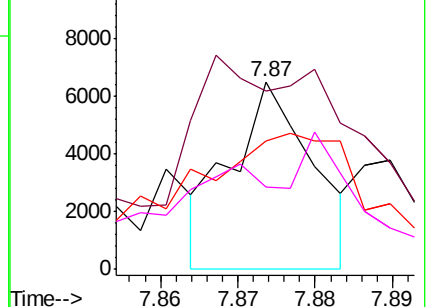


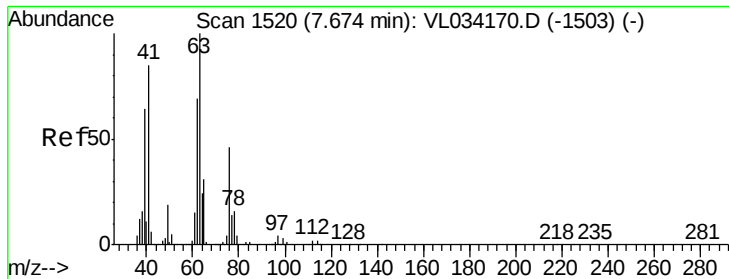
Abundance Ion 130.00 (129.70 to 130.70): V

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: 6.177 ppbv

RT: 7.20 min Scan# 1374

Delta R.T. -0.47 min

Lab File: VL034272.D

Acq: 9 Oct 2019 9:19

Instrument :

MSVOA_L

ClientSampleId :

V-3DL2

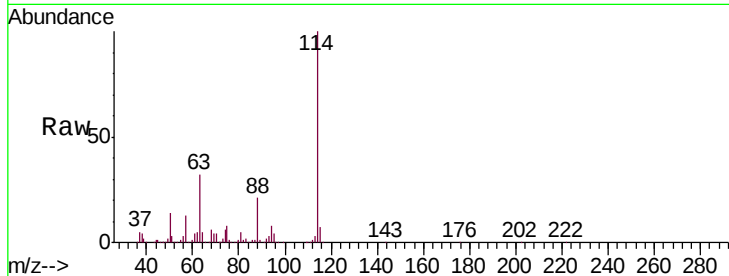
Tgt Ion: 63 Resp: 558114

Ion Ratio Lower Upper

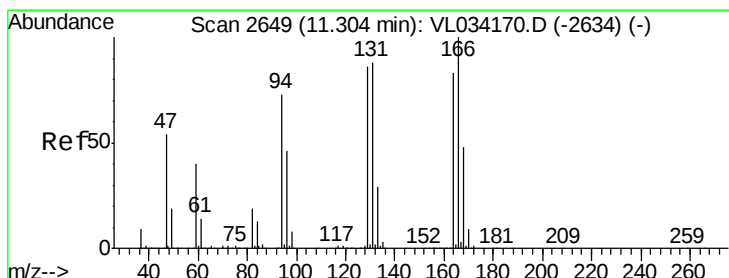
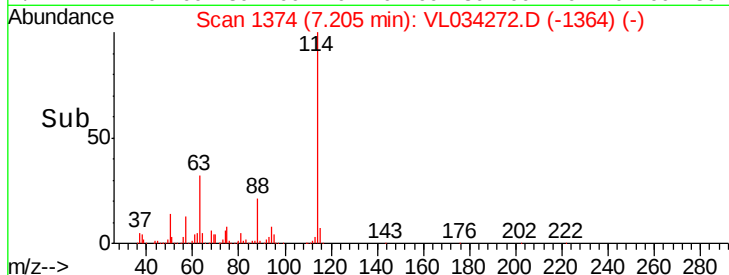
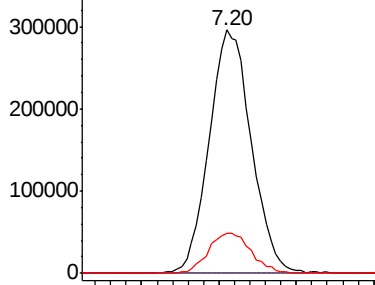
63 100

41 0.0 68.4 102.6#

62 16.3 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



#52

Tetrachloroethene

Concen: 4.853 ppbv

RT: 11.28 min Scan# 2642

Delta R.T. -0.02 min

Lab File: VL034272.D

Acq: 9 Oct 2019 9:19

Tgt Ion: 164 Resp: 322453

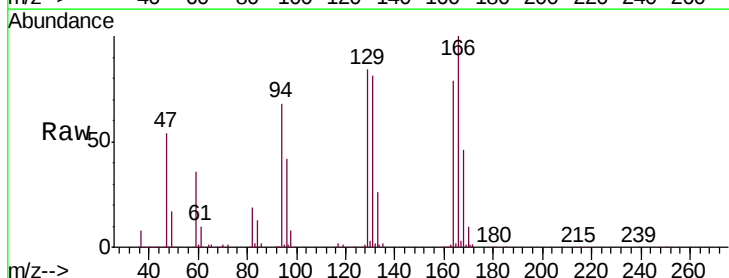
Ion Ratio Lower Upper

164 100

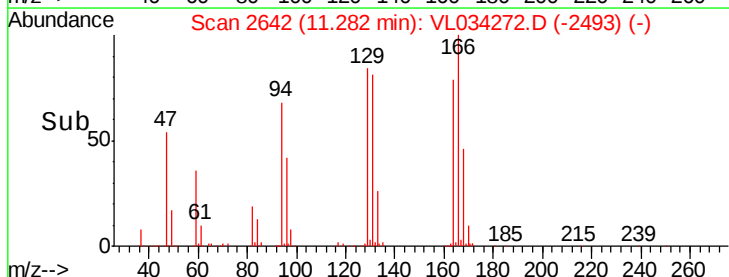
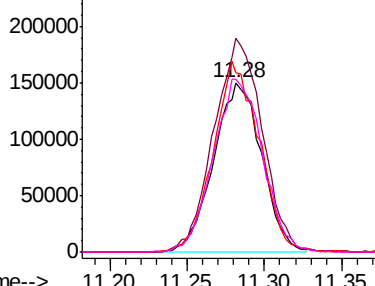
166 125.9 96.7 145.1

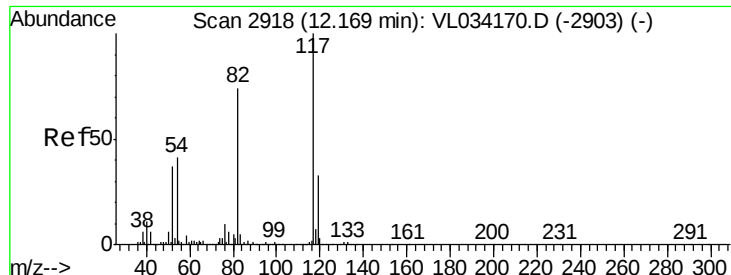
129 105.2 82.8 124.2

131 101.3 85.0 127.6



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

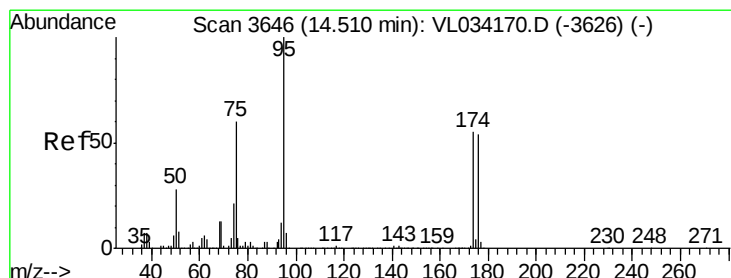
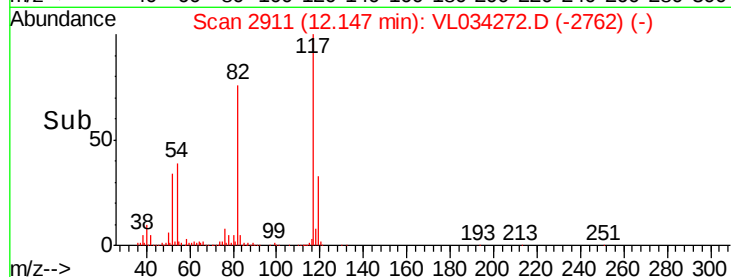
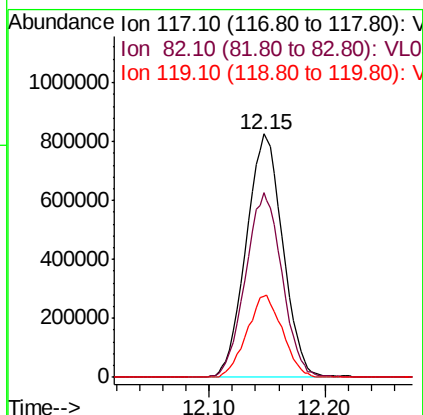
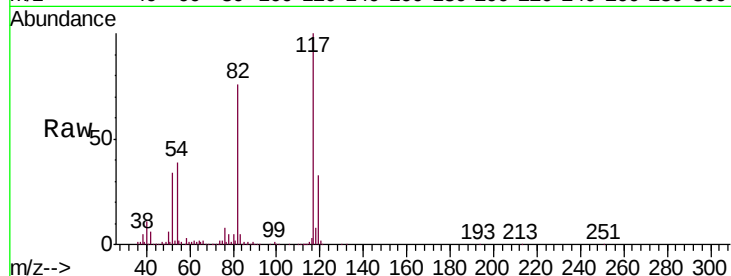




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. -0.02 min
Lab File: VL034272.D
Acq: 9 Oct 2019 9:19

Instrument :
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V-3DL2

Tgt Ion: 117 Resp: 1812607
Ion Ratio Lower Upper
117 100
82 76.1 58.2 87.4
119 33.1 23.7 35.5



#68
1-Bromo-4-Fluorobenzene
Concen: 9.986 ppbv
RT: 14.48 min Scan# 3638
Delta R.T. -0.03 min
Lab File: VL034272.D
Acq: 9 Oct 2019 9:19

Tgt Ion: 95 Resp: 1572869
Ion Ratio Lower Upper
95 100
174 59.7 45.1 67.7
175 4.5 3.3 4.9

