

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021419\
 Data File : VL033212.D
 Acq On : 15 Feb 2019 00:12
 Operator : SY/AP
 Sample : K1483-05DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ZONE-EDL

Quant Time: Feb 15 06:19:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL020519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 06 09:13:11 2019
 QLast Update : Wed Feb 06 09:13:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	942149	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2106945	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2104678	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1688047	10.41	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.10%

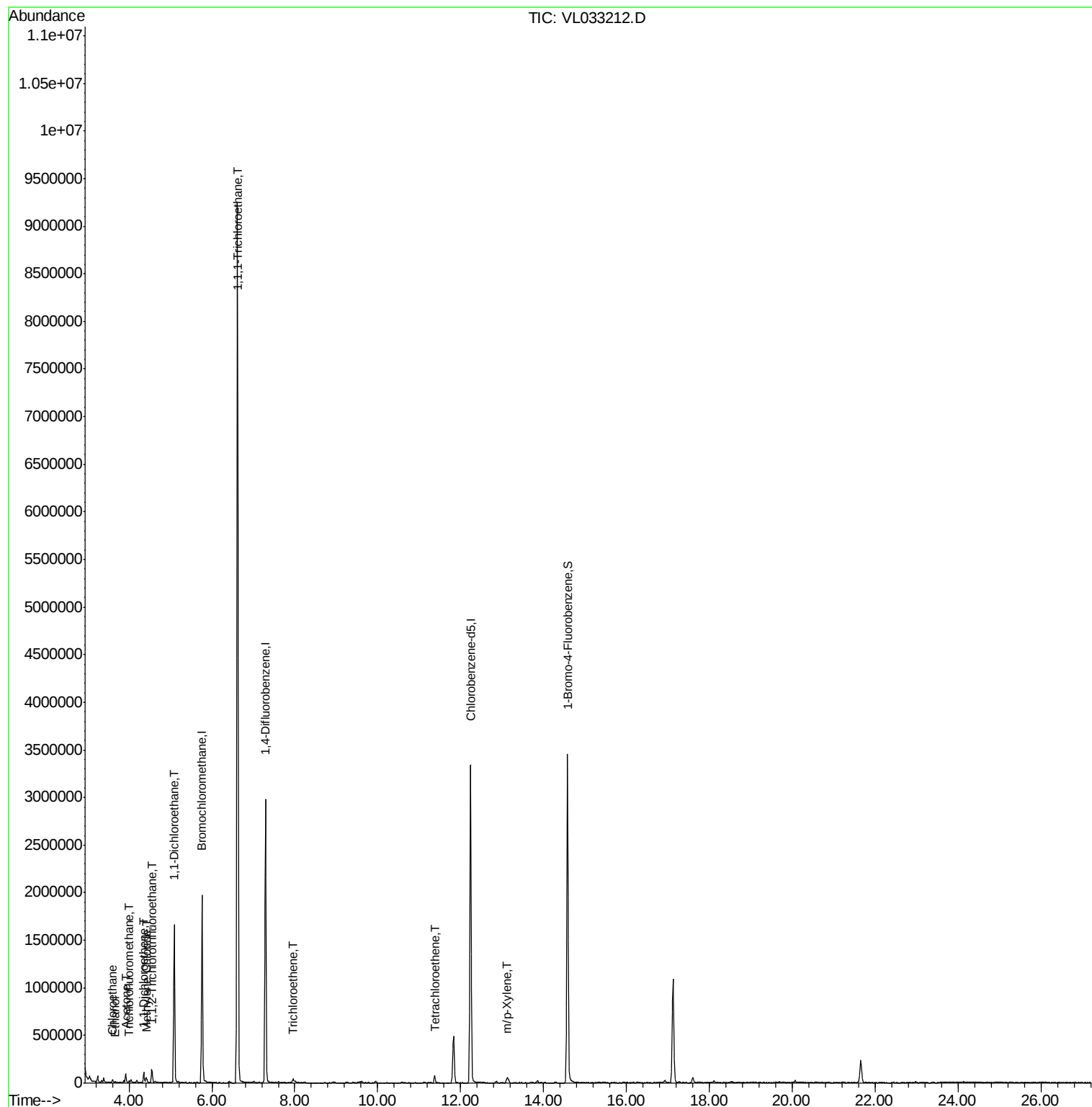
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
7) Chloroethane	3.60	64	20169	0.986	ppbv #	88
11) Trichlorofluoromethane	4.00	101	13169	0.090	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.55	101	49014	0.485	ppbv	99
13) Ethanol	3.67	45	6491m	0.355	ppbv	
15) Acetone	3.92	43	64416	0.607	ppbv #	90
18) 1,1-Dichloroethene	4.35	96	30425	0.673	ppbv	94
20) Methylene Chloride	4.41	84	17553	0.416	ppbv	92
24) 1,1-Dichloroethane	5.09	63	1387706	10.665	ppbv	100
32) 1,1,1-Trichloroethane	6.62	97	6141216	32.484	ppbv	99
38) Trichloroethene	7.96	130	10135m	0.111	ppbv	
52) Tetrachloroethene	11.37	164	16600m	0.202	ppbv	
59) m/p-Xylene	13.12	91	57120m	0.201	ppbv	

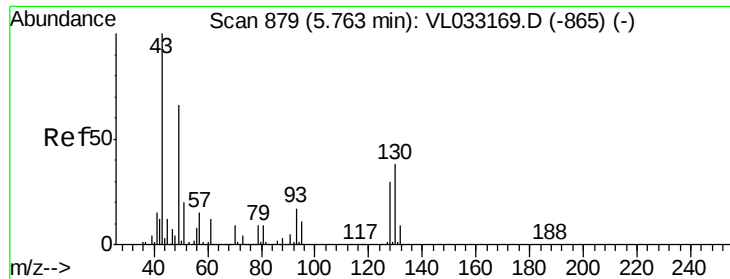
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL021419\
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ClientSampleId :
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Quant Time: Feb 15 06:19:06 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 06 09:13:11 2019
QLast Update : Wed Feb 06 09:13:11 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

Lab File: VL033212.D

Acq: 15 Feb 2019 00:12

Instrument :

MSVOA_L

ClientSampleId :

ZONE-EDL

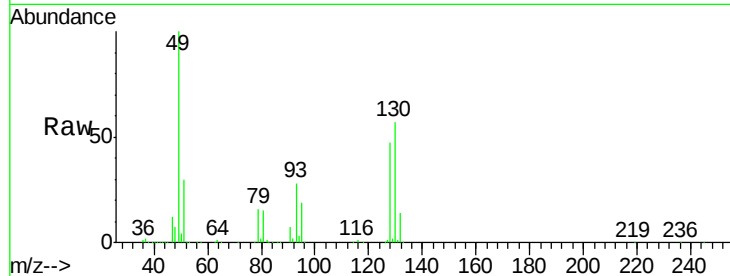
Tot Ion: 49 Resp: 942149

Ion Ratio Lower Upper

49 100

128 45.9 23.6 71.0

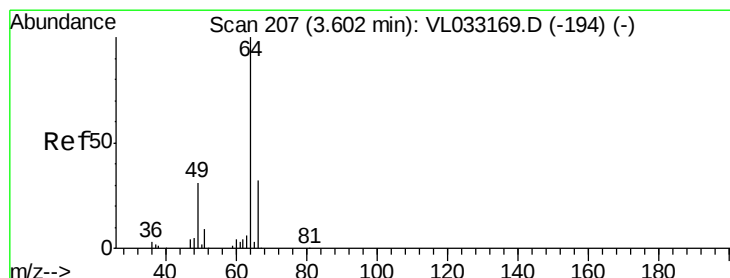
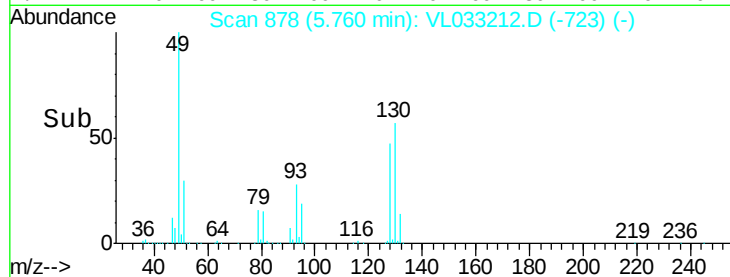
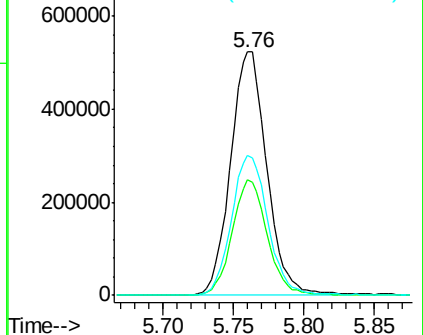
130 58.5 30.3 91.0



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



#7

Chloroethane

Concen: 0.986 ppbv

RT: 3.60 min Scan# 207

Delta R.T. 0.00 min

Lab File: VL033212.D

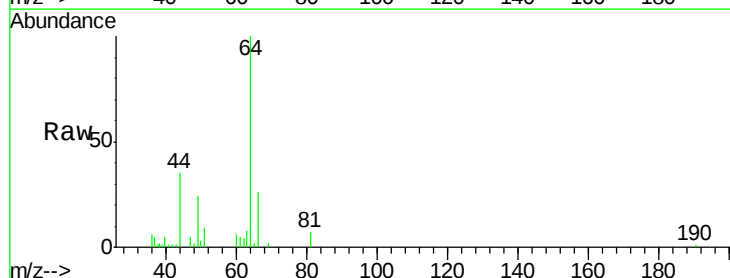
Acq: 15 Feb 2019 00:12

Tgt Ion: 64 Resp: 20169

Ion Ratio Lower Upper

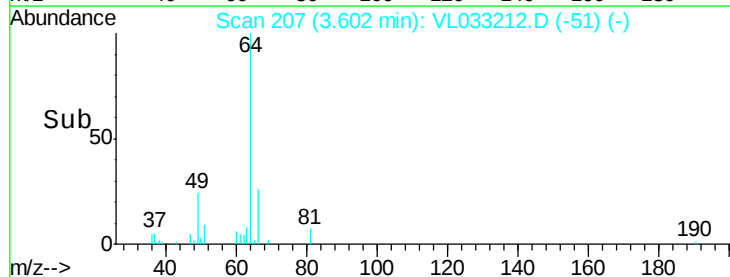
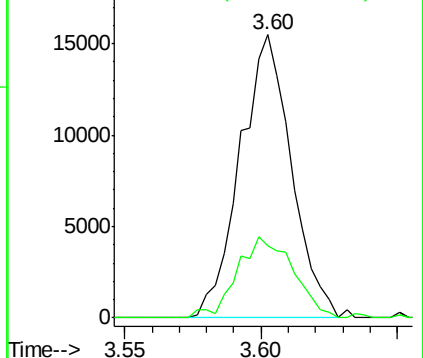
64 100

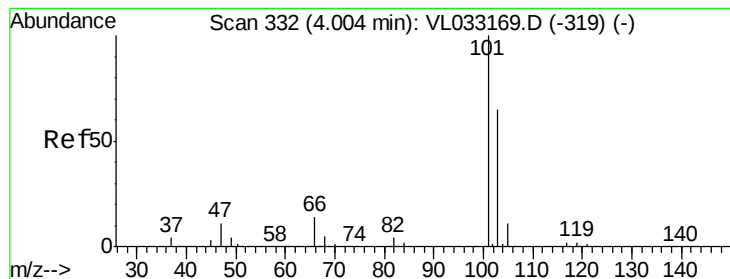
66 25.5 26.0 39.0#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0





#11

Trichlorofluoromethane

Concen: 0.090 ppbv

RT: 4.00 min Scan# 332

Delta R.T. 0.00 min

Lab File: VL033212.D

Acq: 15 Feb 2019 00:12

Instrument :

MSVOA_L

ClientSampleId :

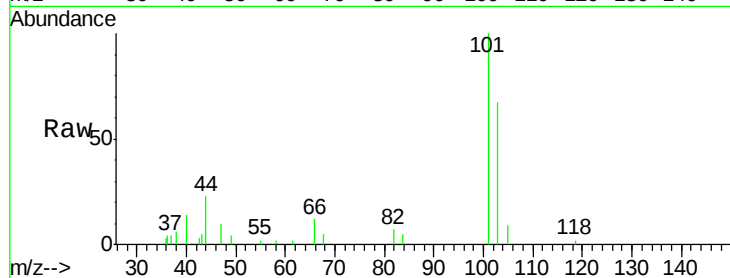
ZONE-EDL

Tot Ion:101 Resp: 13169

Ion Ratio Lower Upper

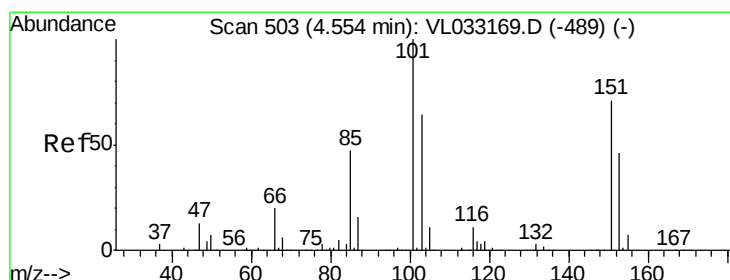
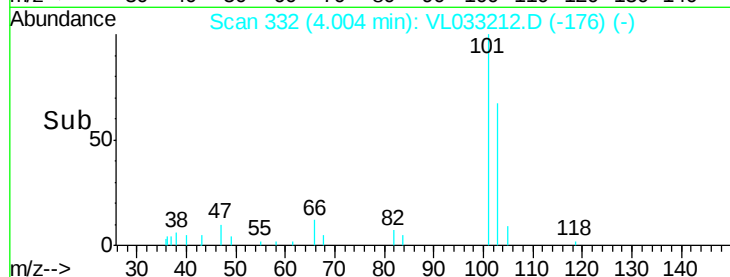
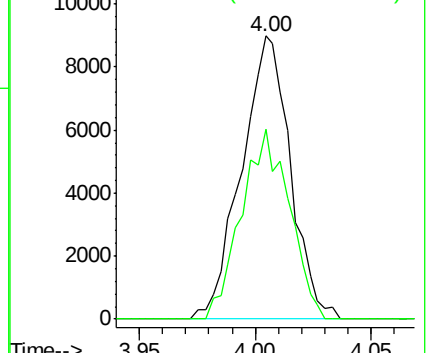
101 100

103 66.9 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.485 ppbv

RT: 4.55 min Scan# 502

Delta R.T. -0.00 min

Lab File: VL033212.D

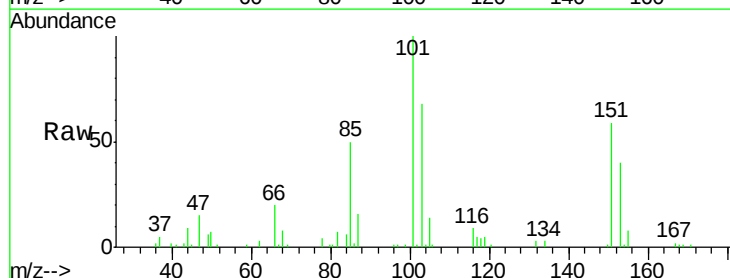
Acq: 15 Feb 2019 00:12

Tgt Ion:101 Resp: 49014

Ion Ratio Lower Upper

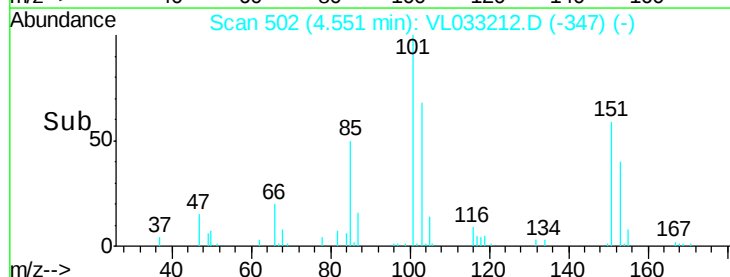
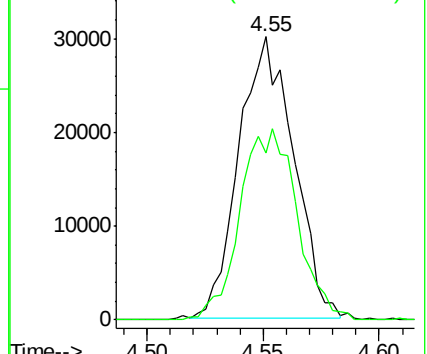
101 100

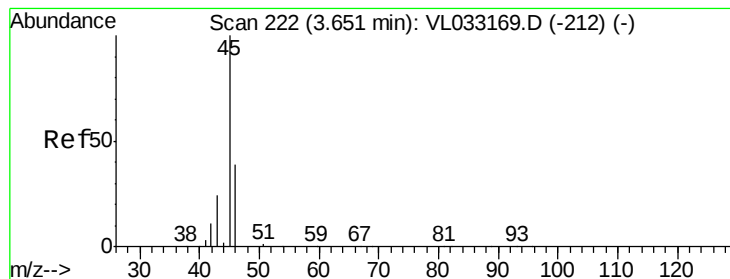
151 70.6 57.4 86.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 0.355 ppbv m

RT: 3.67 min Scan# 227

Delta R.T. 0.02 min

Lab File: VL033212.D

Acq: 15 Feb 2019 00:12

Instrument :

MSVOA_L

ClientSampleId :

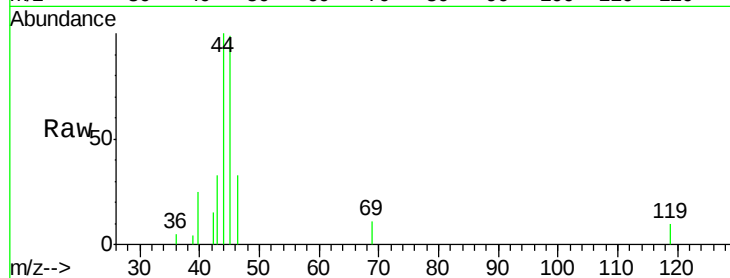
ZONE-EDL

Tot Ion: 45 Resp: 6491

Ion Ratio Lower Upper

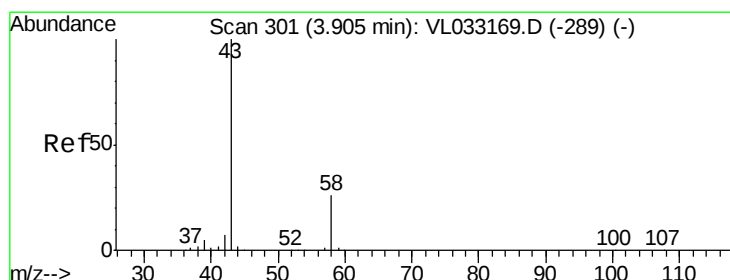
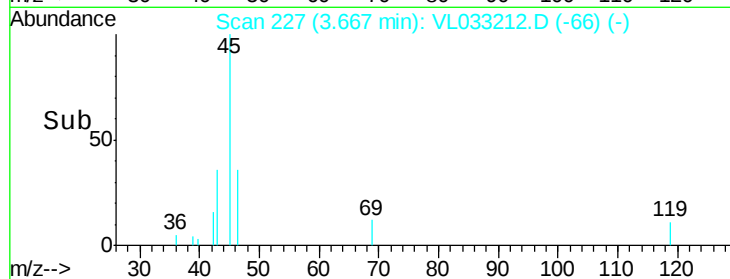
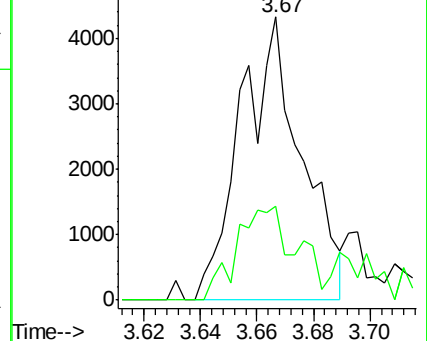
45 100

46 0.0 15.0 60.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#15

Acetone

Concen: 0.607 ppbv

RT: 3.92 min Scan# 305

Delta R.T. 0.01 min

Lab File: VL033212.D

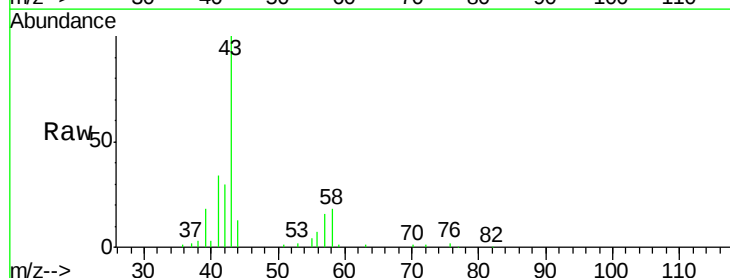
Acq: 15 Feb 2019 00:12

Tgt Ion: 43 Resp: 64416

Ion Ratio Lower Upper

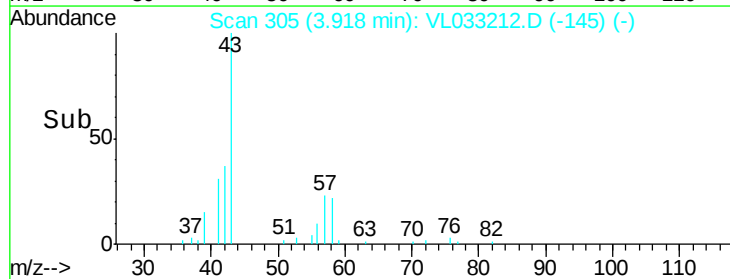
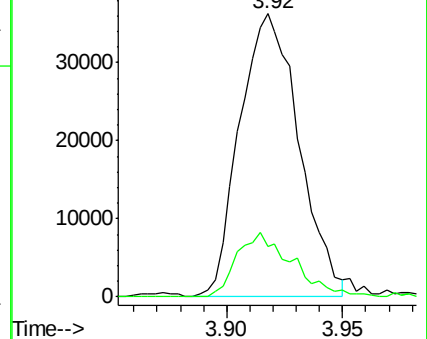
43 100

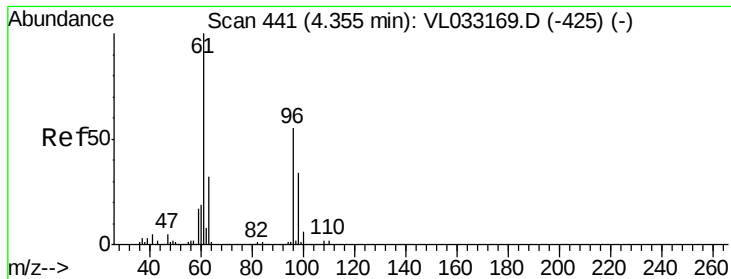
58 21.1 21.1 31.7#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

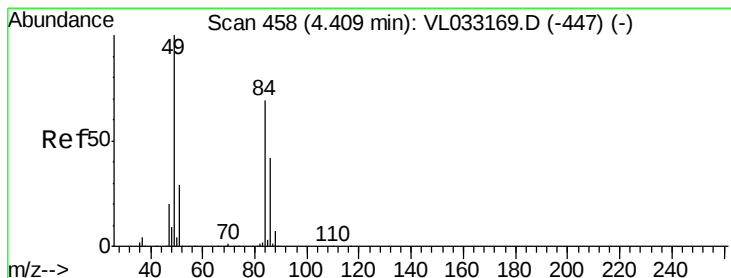
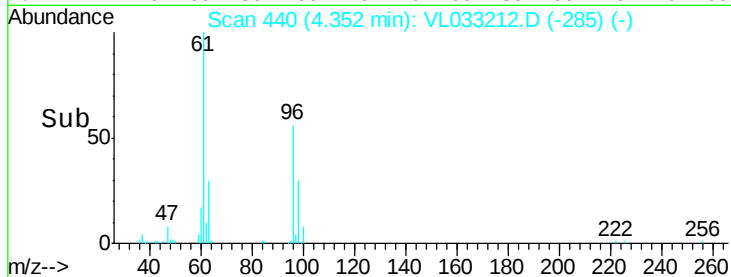
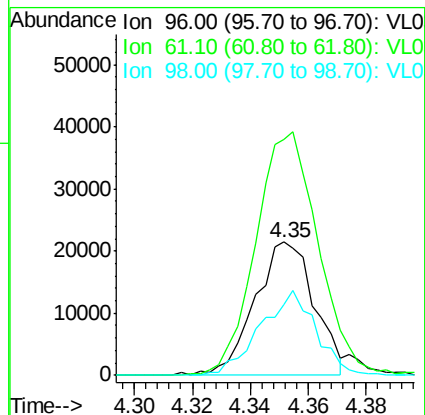
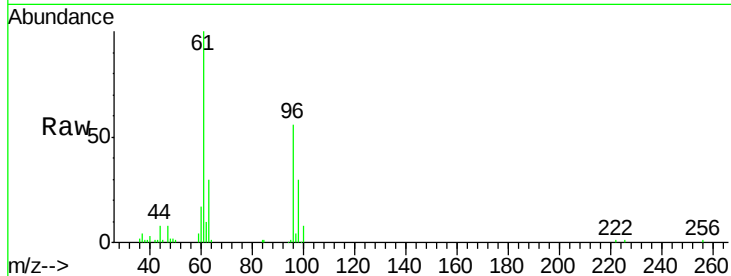




#18
 1,1-Dichloroethene
 Concen: 0.673 ppbv
 RT: 4.35 min Scan# 440
 Delta R.T. -0.00 min
 Lab File: VL033212.D
 Acq: 15 Feb 2019 00:12

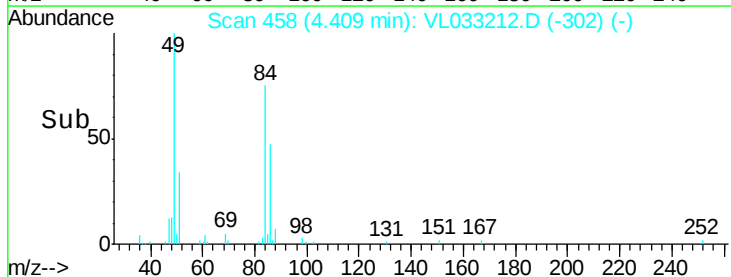
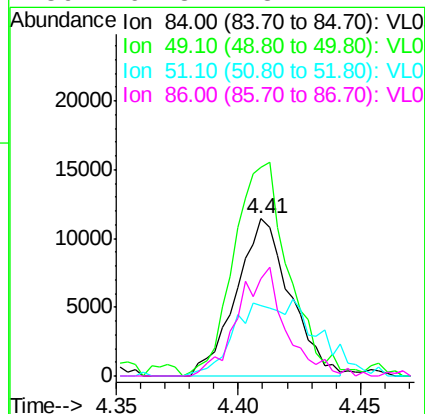
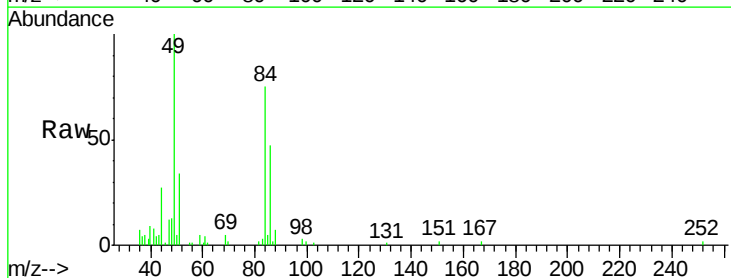
Instrument :
 MSVOA_L
 ClientSampleId :
 ZONE-EDL

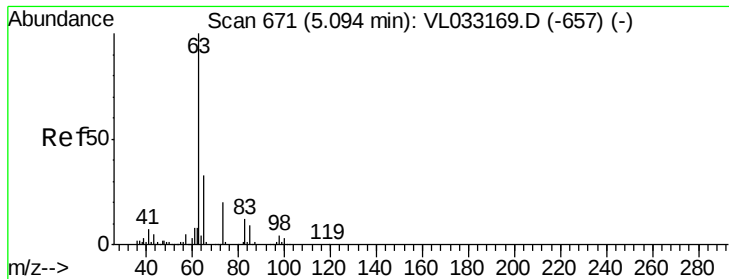
Tot Ion: 96 Resp: 30425
 Ion Ratio Lower Upper
 96 100
 61 175.6 145.0 217.6
 98 52.8 50.0 75.0



#20
 Methylene Chloride
 Concen: 0.416 ppbv
 RT: 4.41 min Scan# 458
 Delta R.T. 0.00 min
 Lab File: VL033212.D
 Acq: 15 Feb 2019 00:12

Tgt Ion: 84 Resp: 17553
 Ion Ratio Lower Upper
 84 100
 49 130.8 115.8 173.8
 51 43.4 33.0 49.6
 86 62.3 48.2 72.2





#24

1,1-Dichloroethane

Concen: 10.665 ppbv

RT: 5.09 min Scan# 669

Delta R.T. -0.01 min

Lab File: VL033212.D

Acq: 15 Feb 2019 00:12

Instrument :

MSVOA_L

ClientSampled :

ZONE-EDL

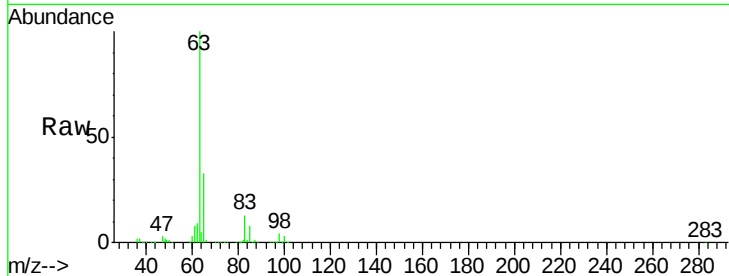
Tot Ion: 63 Resp: 1387706

Ion Ratio Lower Upper

63 100

98 4.4 2.1 6.5

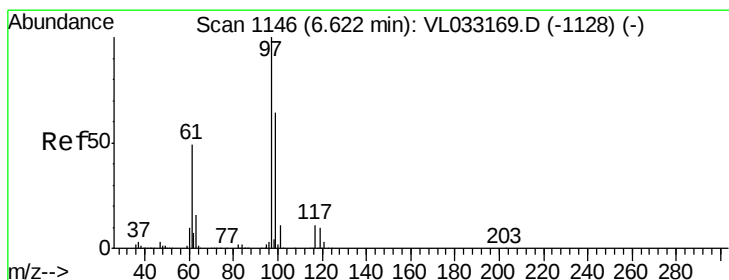
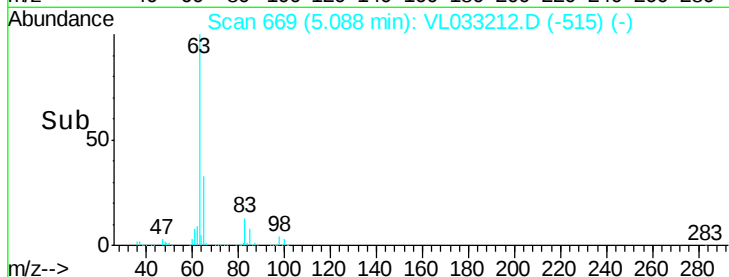
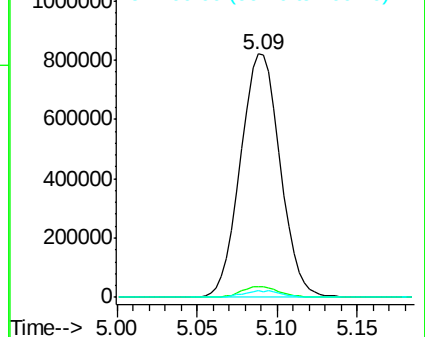
100 2.8 1.4 4.2



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



#32

1,1,1-Trichloroethane

Concen: 32.484 ppbv

RT: 6.62 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VL033212.D

Acq: 15 Feb 2019 00:12

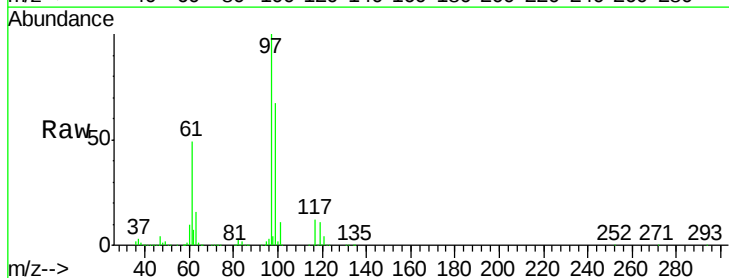
Tgt Ion: 97 Resp: 6141216

Ion Ratio Lower Upper

97 100

99 65.5 51.4 77.2

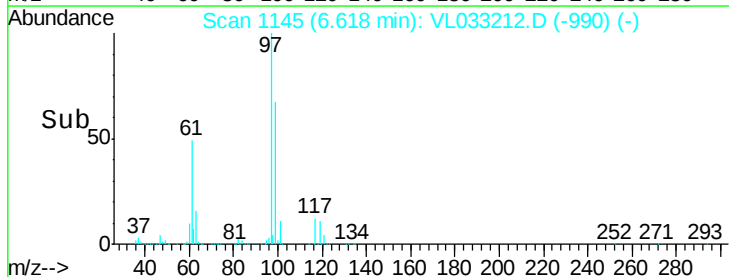
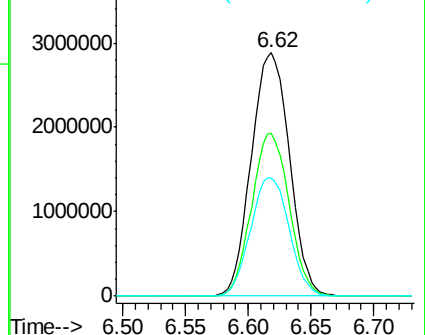
61 49.2 38.9 58.3

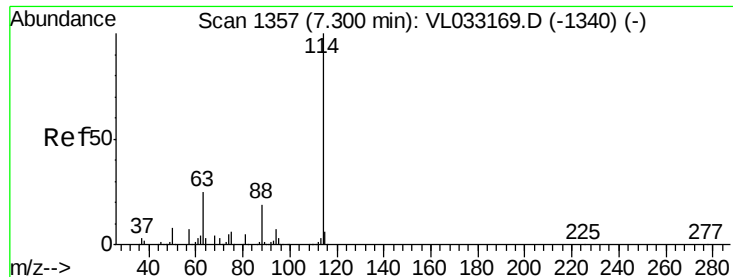


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

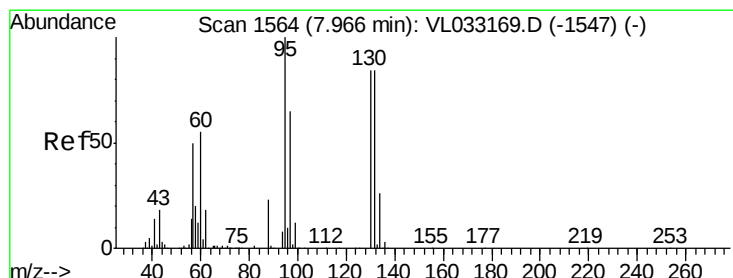
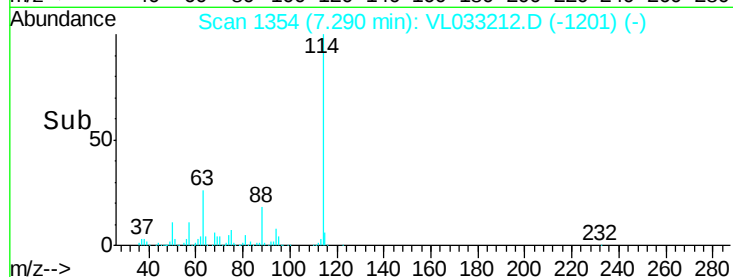
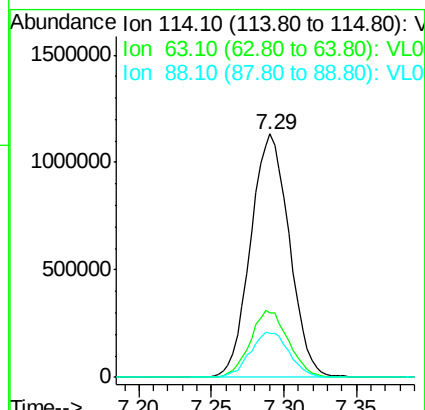
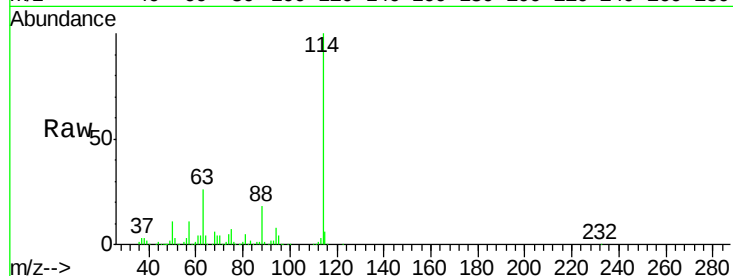




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.01 min
 Lab File: VL033212.D
 Acq: 15 Feb 2019 00:12

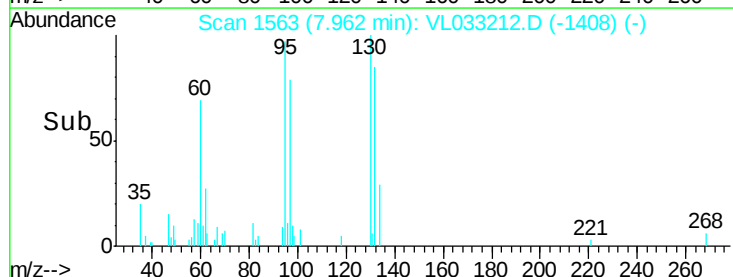
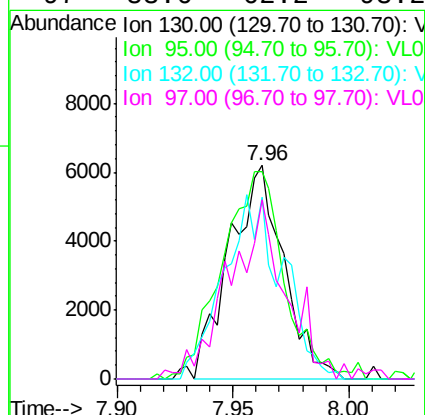
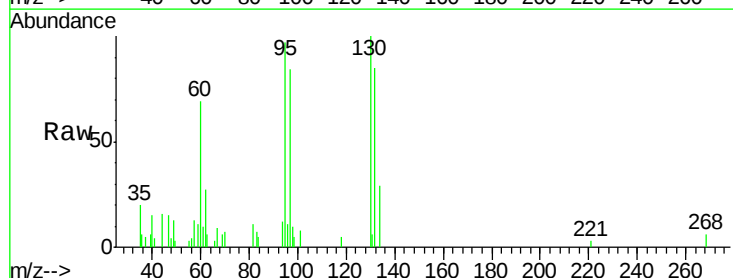
Instrument :
 MSVOA_L
 ClientSampleId :
 ZONE-EDL

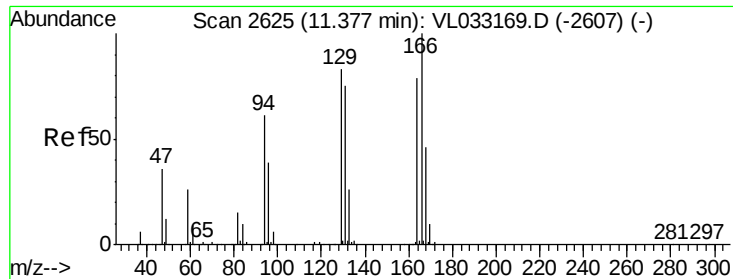
Tot Ion:114 Resp: 2106945
 Ion Ratio Lower Upper
 114 100
 63 27.0 20.8 31.2
 88 18.6 14.6 22.0



#38
 Trichloroethene
 Concen: 0.111 ppbv m
 RT: 7.96 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VL033212.D
 Acq: 15 Feb 2019 00:12

Tgt Ion:130 Resp: 10135
 Ion Ratio Lower Upper
 130 100
 95 97.4 95.5 143.3
 132 85.4 80.0 120.0
 97 83.6 62.2 93.2

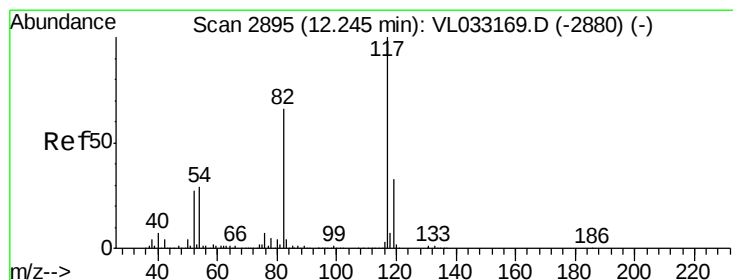
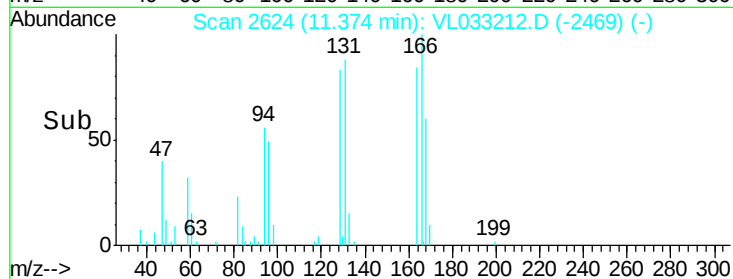
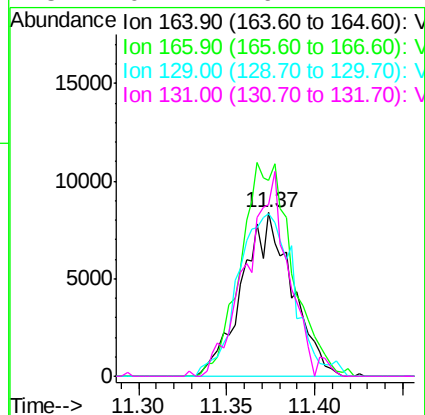
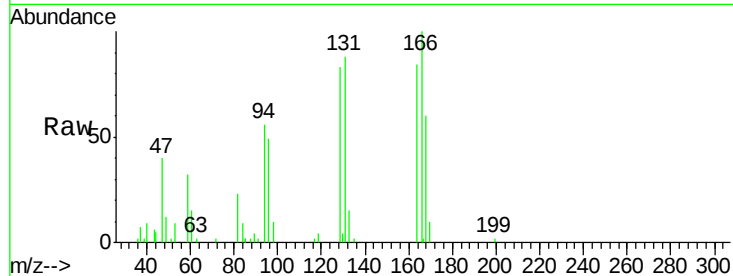




#52
Tetrachloroethene
Concen: 0.202 ppbv m
RT: 11.37 min Scan# 2624
Delta R.T. -0.00 min
Lab File: VL033212.D
Acq: 15 Feb 2019 00:12

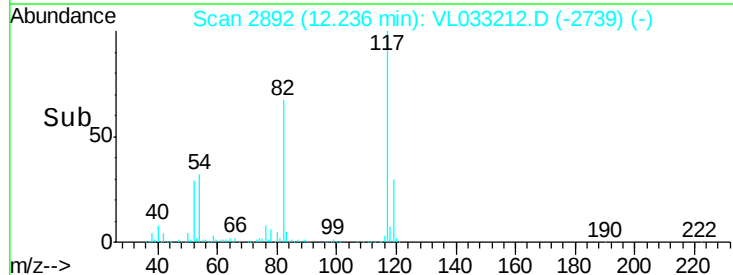
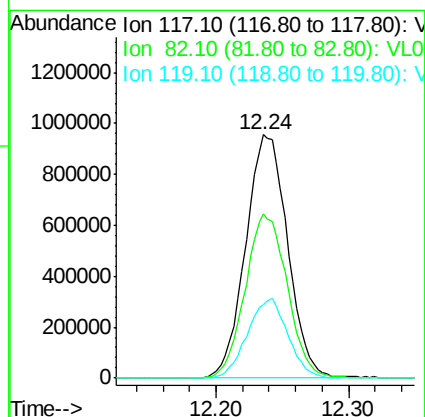
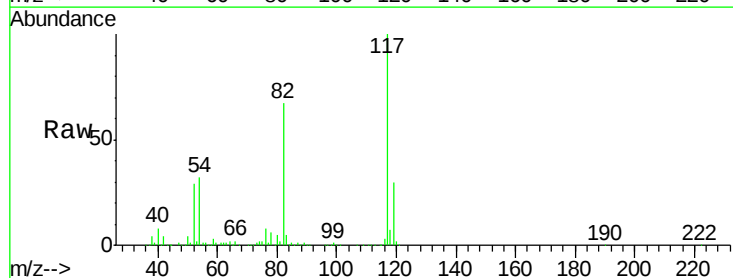
Instrument :
MSVOA_L
ClientSampleId :
ZONE-EDL

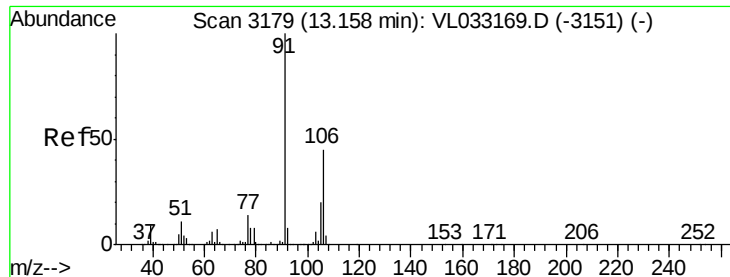
Tot Ion:164 Resp: 16600
Ion Ratio Lower Upper
164 100
166 119.7 100.9 151.3
129 99.4 83.9 125.9
131 104.7 76.2 114.2



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033212.D
Acq: 15 Feb 2019 00:12

Tgt Ion:117 Resp: 2104678
Ion Ratio Lower Upper
117 100
82 67.9 49.5 74.3
119 31.8 24.4 36.6





#59

m/p-Xylene

Concen: 0.201 ppbv m

RT: 13.12 min Scan# 3167

Delta R.T. -0.04 min

Lab File: VL033212.D

Acq: 15 Feb 2019 00:12

Instrument :

MSVOA_L

ClientSampleId :

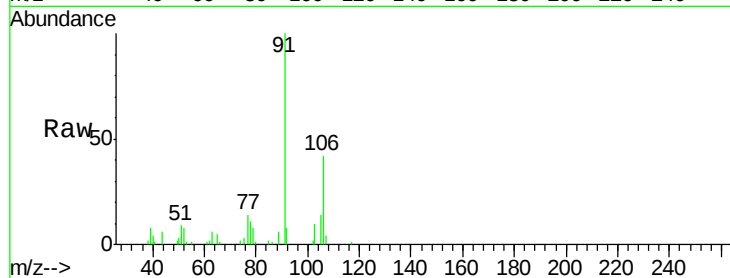
ZONE-EDL

Tot Ion: 91 Resp: 57120

Ion Ratio Lower Upper

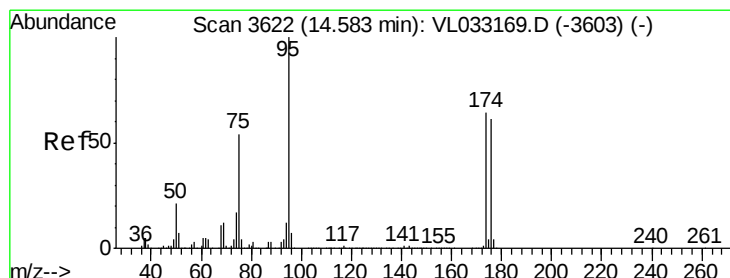
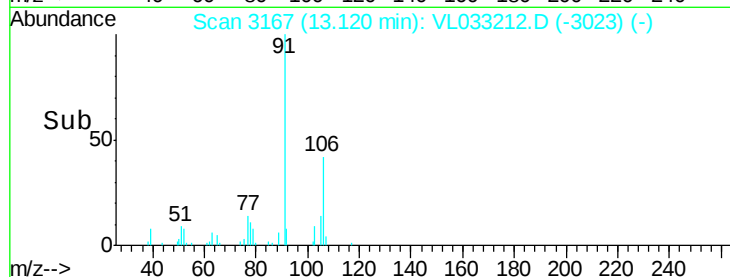
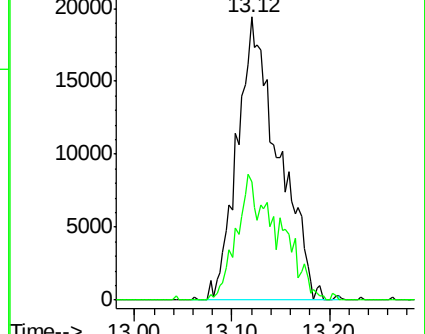
91 100

106 0.0 0.0 0.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.414 ppbv

RT: 14.58 min Scan# 3620

Delta R.T. -0.01 min

Lab File: VL033212.D

Acq: 15 Feb 2019 00:12

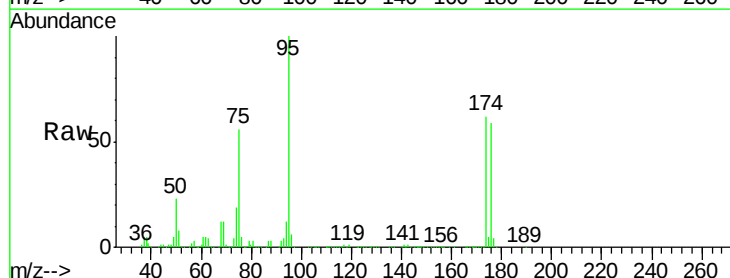
Tgt Ion: 95 Resp: 1688047

Ion Ratio Lower Upper

95 100

174 63.0 51.2 76.8

175 4.5 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

