

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021419\
 Data File : VL033206.D
 Acq On : 14 Feb 2019 20:16
 Operator : SY/AP
 Sample : K1483-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ZONE-ADL

Quant Time: Feb 15 15:21:35 2019
 Quant Method : Z:\VOASRV\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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	946981	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2181372	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2154101	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1738690	10.48	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.80%

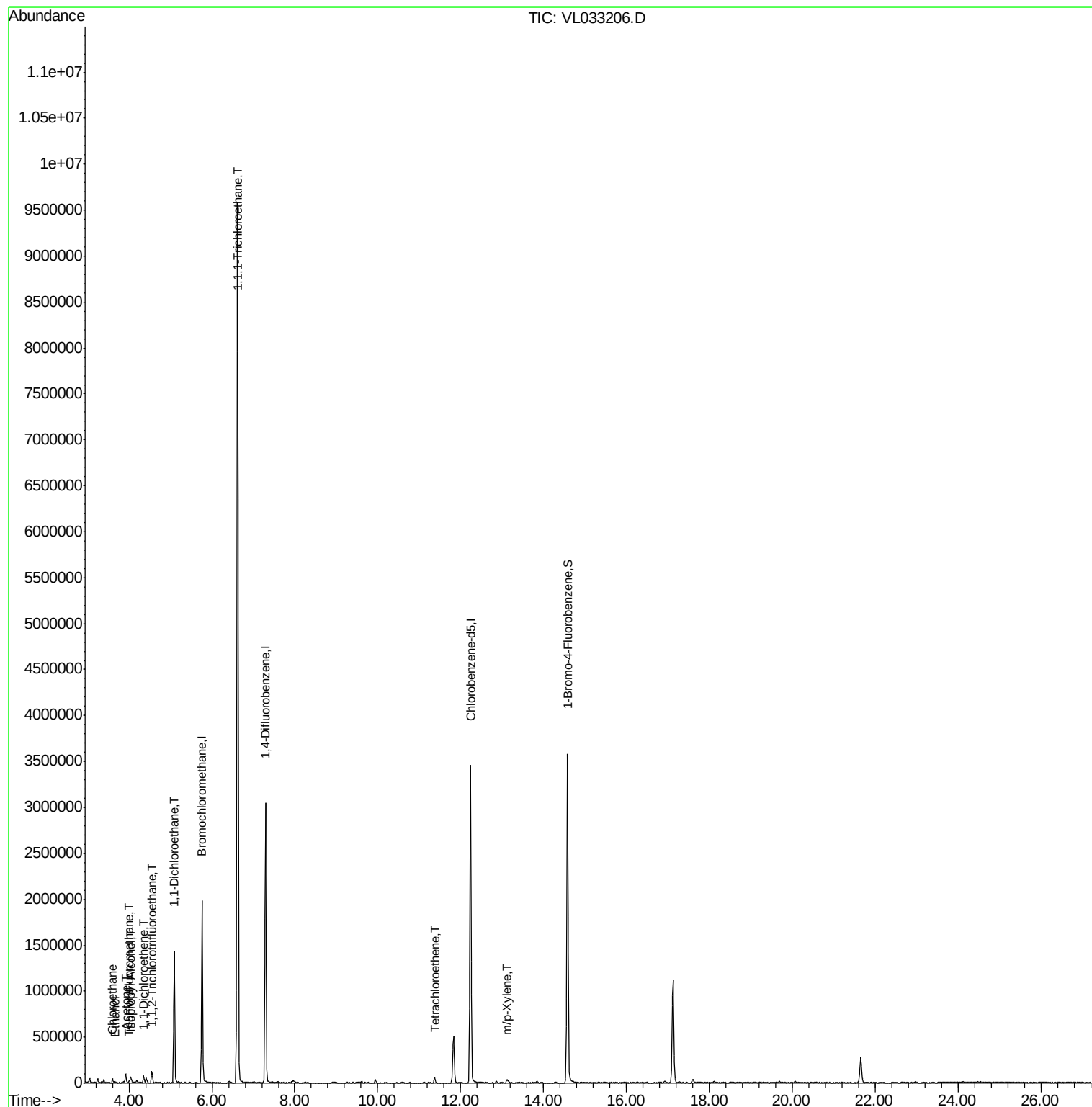
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
7) Chloroethane	3.60	64	22449	1.092	ppbv	99
11) Trichlorofluoromethane	4.01	101	15215	0.104	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.55	101	43455	0.428	ppbv	99
13) Ethanol	3.66	45	13014	0.709	ppbv	92
15) Acetone	3.91	43	80855	0.758	ppbv	97
18) 1,1-Dichloroethene	4.35	96	25003	0.550	ppbv	89
19) Isopropyl Alcohol	4.04	45	74245m	1.026	ppbv	
24) 1,1-Dichloroethane	5.09	63	1197059	9.153	ppbv	100
32) 1,1,1-Trichloroethane	6.62	97	6417604	33.773	ppbv	99
52) Tetrachloroethene	11.37	164	13909m	0.164	ppbv	
59) m/p-Xylene	13.12	91	38672m	0.133	ppbv	

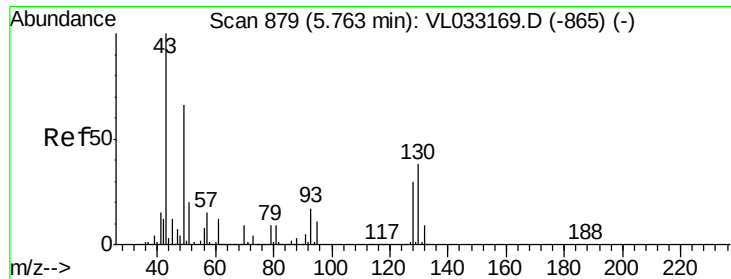
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL021419\
Data File : VL033206.D
Acq On : 14 Feb 2019 20:16
Operator : SY/AP
Sample : K1483-02DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ZONE-ADL

Quant Time: Feb 15 15:21:35 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: VL033206.D

Acq: 14 Feb 2019 20:16

Instrument :

MSVOA_L

ClientSampleId :

ZONE-ADL

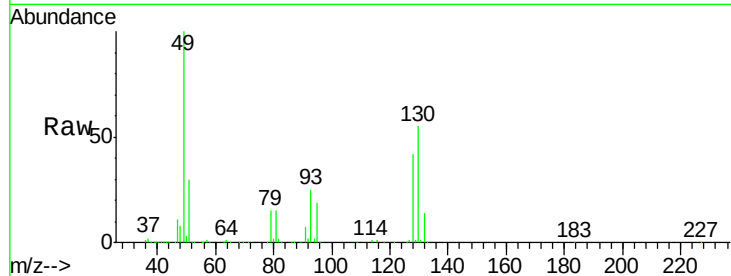
Tot Ion: 49 Resp: 946981

Ion Ratio Lower Upper

49 100

128 45.8 23.6 71.0

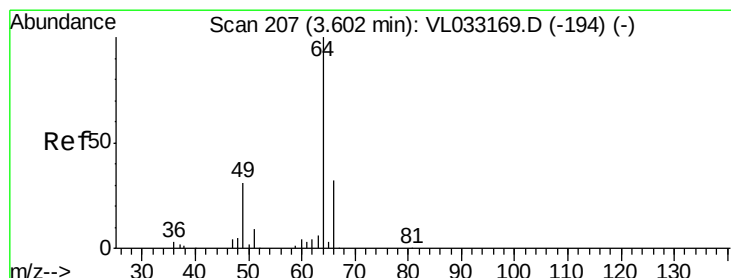
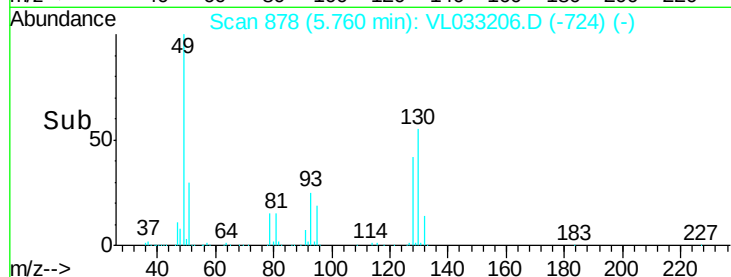
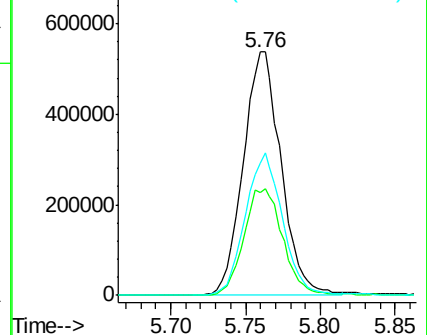
130 57.9 30.3 91.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#7

Chloroethane

Concen: 1.092 ppbv

RT: 3.60 min Scan# 207

Delta R.T. -0.00 min

Lab File: VL033206.D

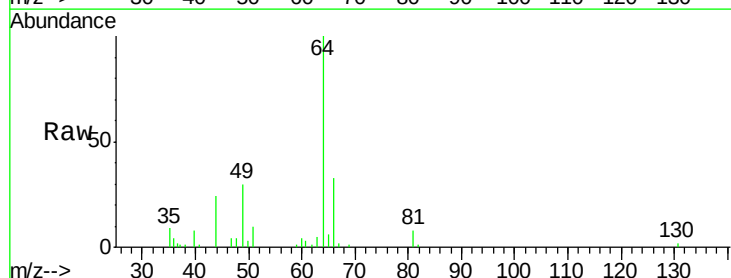
Acq: 14 Feb 2019 20:16

Tgt Ion: 64 Resp: 22449

Ion Ratio Lower Upper

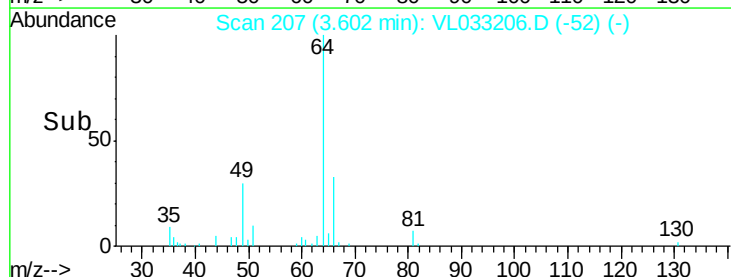
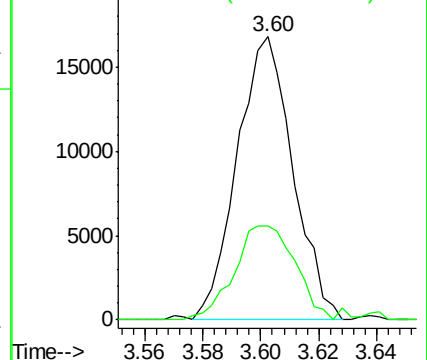
64 100

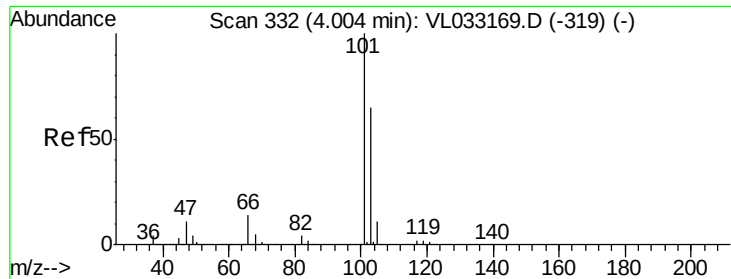
66 33.3 26.0 39.0



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0





#11

Trichlorofluoromethane

Concen: 0.104 ppbv

RT: 4.01 min Scan# 333

Delta R.T. 0.00 min

Lab File: VL033206.D

Acq: 14 Feb 2019 20:16

Instrument :

MSVOA_L

ClientSampleId :

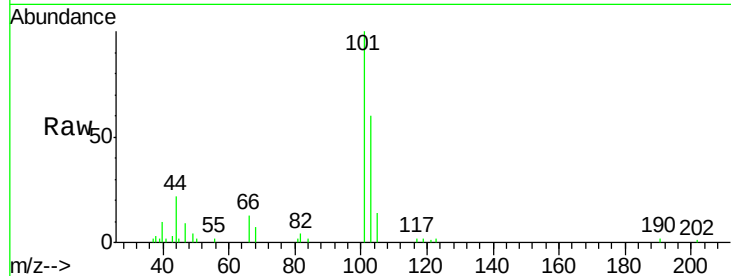
ZONE-ADL

Tot Ion:101 Resp: 15215

Ion Ratio Lower Upper

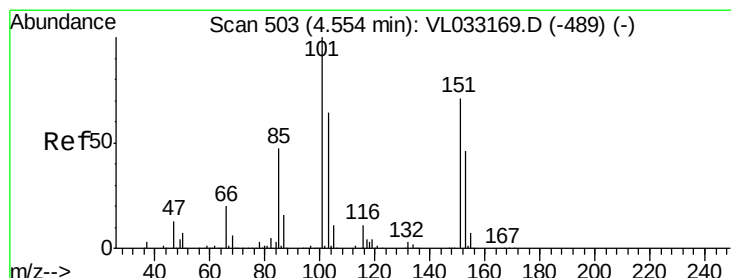
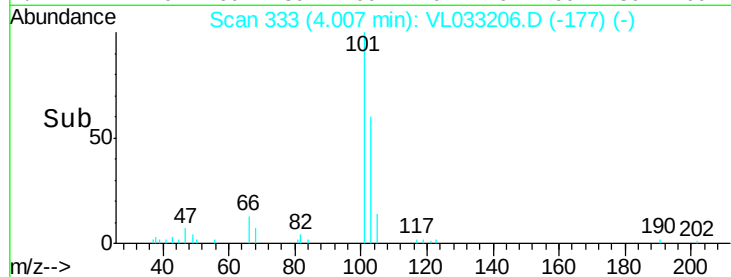
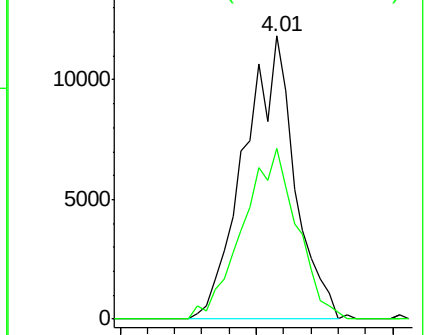
101 100

103 60.2 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: 0.428 ppbv

RT: 4.55 min Scan# 502

Delta R.T. -0.00 min

Lab File: VL033206.D

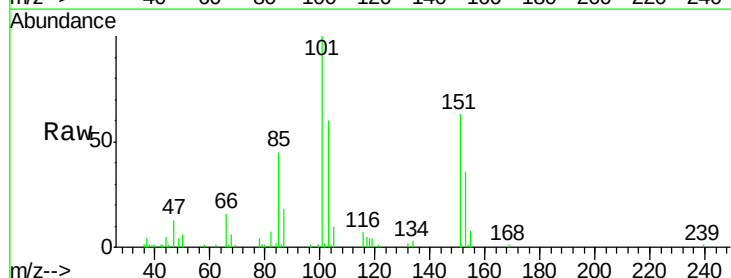
Acq: 14 Feb 2019 20:16

Tgt Ion:101 Resp: 43455

Ion Ratio Lower Upper

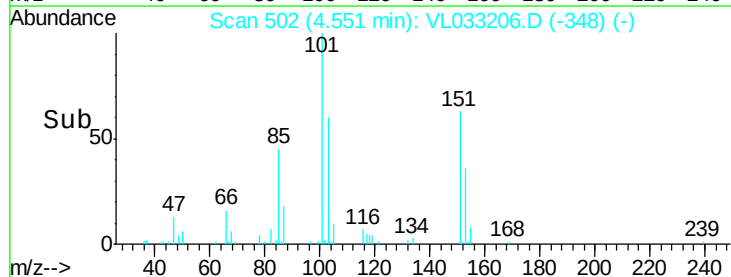
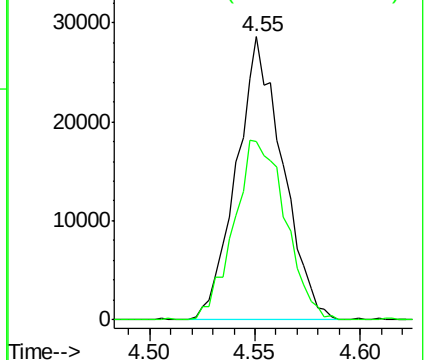
101 100

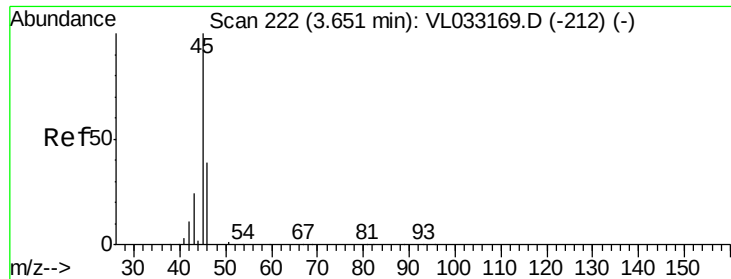
151 70.9 57.4 86.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 0.709 ppbv

RT: 3.66 min Scan# 225

Delta R.T. 0.01 min

Lab File: VL033206.D

Acq: 14 Feb 2019 20:16

Instrument :

MSVOA_L

ClientSampleId :

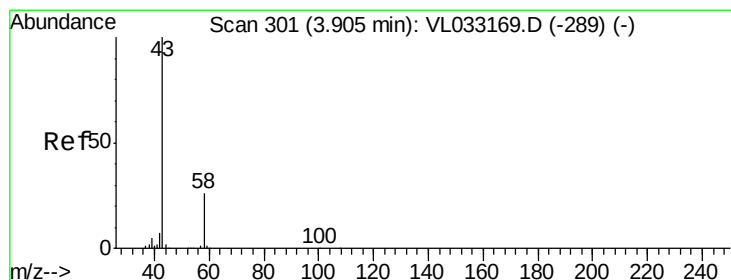
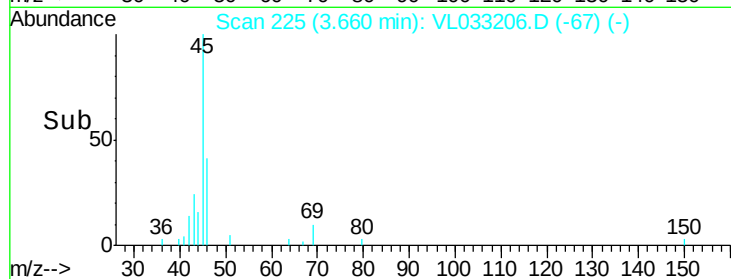
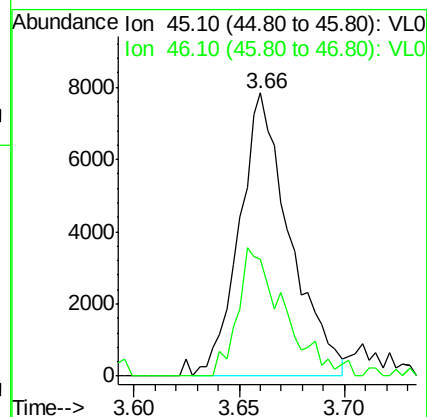
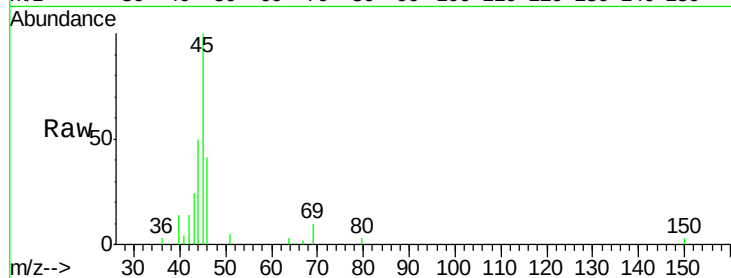
ZONE-ADL

Tot Ion: 45 Resp: 13014

Ion Ratio Lower Upper

45 100

46 42.6 15.0 60.2



#15

Acetone

Concen: 0.758 ppbv

RT: 3.91 min Scan# 304

Delta R.T. 0.01 min

Lab File: VL033206.D

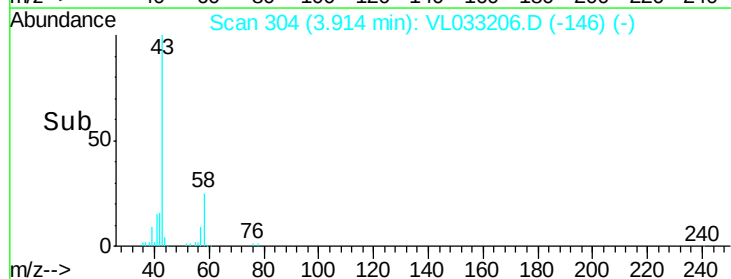
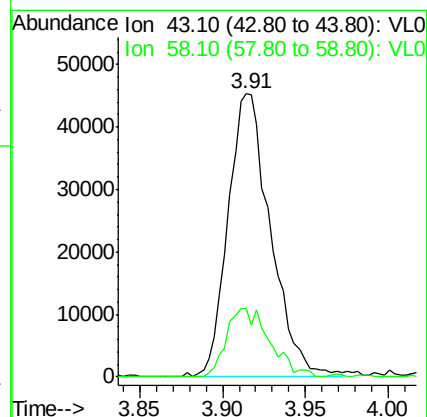
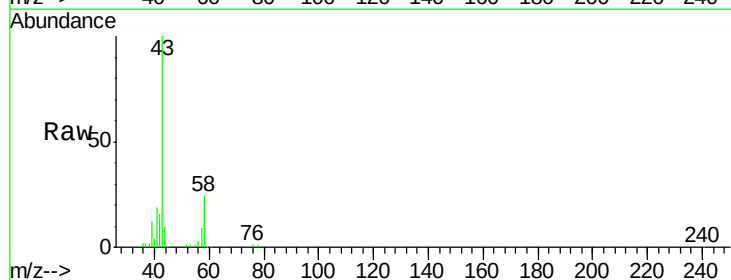
Acq: 14 Feb 2019 20:16

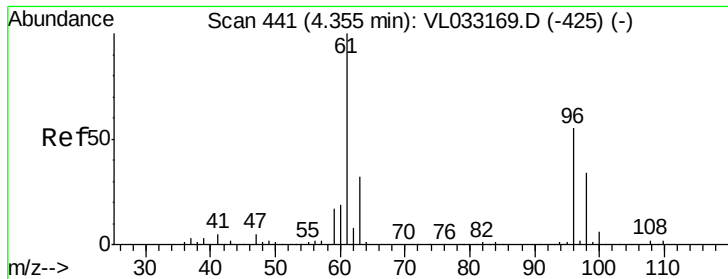
Tgt Ion: 43 Resp: 80855

Ion Ratio Lower Upper

43 100

58 24.8 21.1 31.7

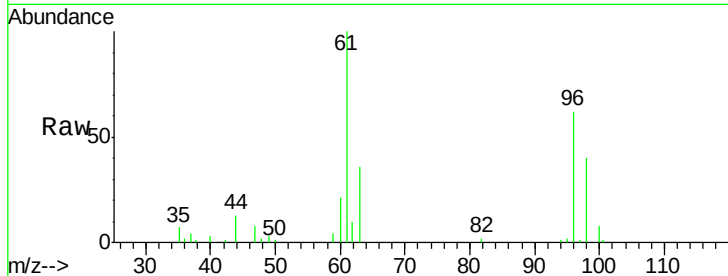




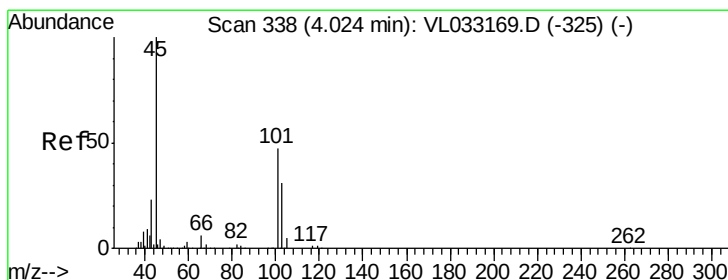
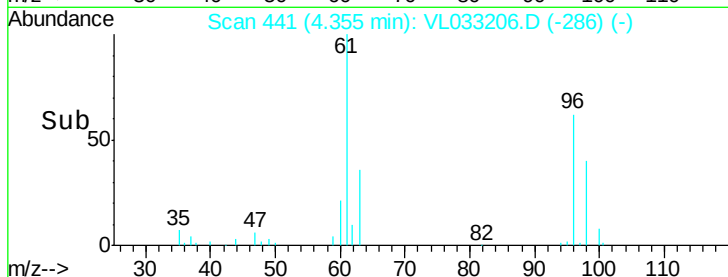
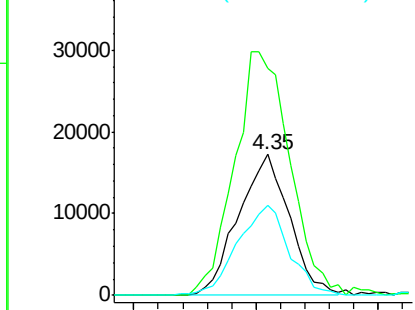
#18
 1,1-Dichloroethene
 Concen: 0.550 ppbv
 RT: 4.35 min Scan# 441
 Delta R.T. -0.00 min
 Lab File: VL033206.D
 Acq: 14 Feb 2019 20:16

Instrument :
 MSVOA_L
 ClientSampleId :
 ZONE-ADL

Tot Ion: 96 Resp: 25003
 Ion Ratio Lower Upper
 96 100
 61 161.0 145.0 217.6
 98 63.2 50.0 75.0

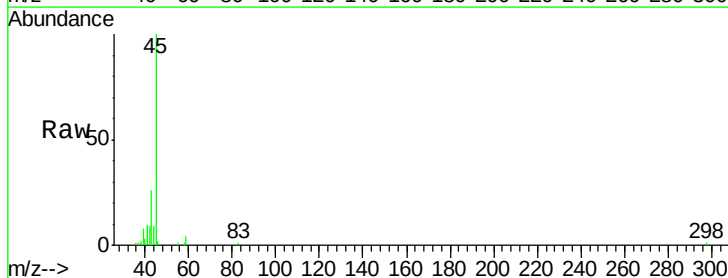


Abundance Ion 96.00 (95.70 to 96.70): VL0
 Ion 61.10 (60.80 to 61.80): VL0
 Ion 98.00 (97.70 to 98.70): VL0

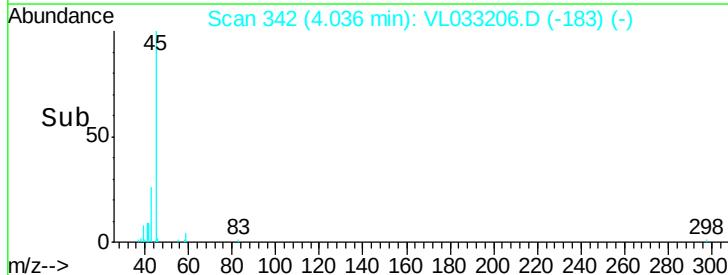
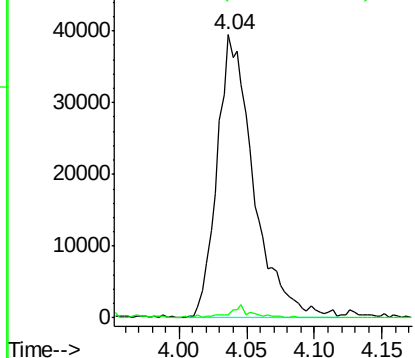


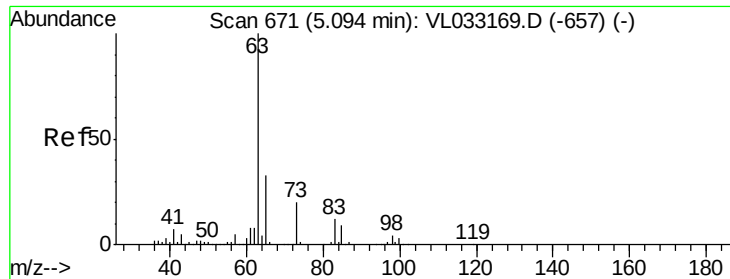
#19
 Isopropyl Alcohol
 Concen: 1.026 ppbv m
 RT: 4.04 min Scan# 342
 Delta R.T. 0.01 min
 Lab File: VL033206.D
 Acq: 14 Feb 2019 20:16

Tgt Ion: 45 Resp: 74245
 Ion Ratio Lower Upper
 45 100
 58 0.0 1.5 2.3#



Abundance Ion 45.10 (44.80 to 45.80): VL0
 Ion 58.10 (57.80 to 58.80): VL0



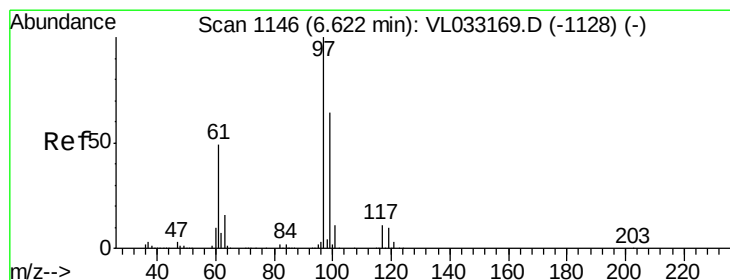
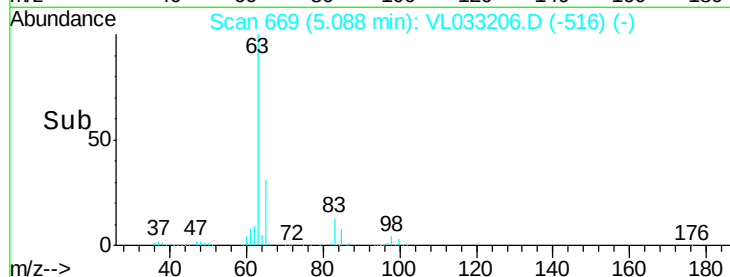
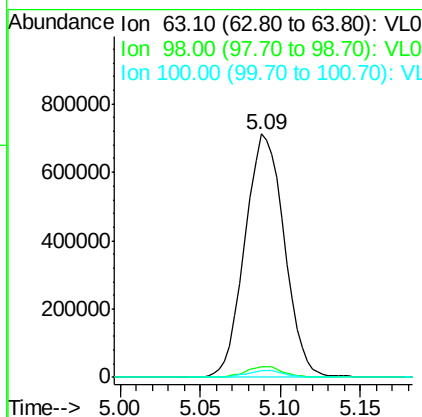
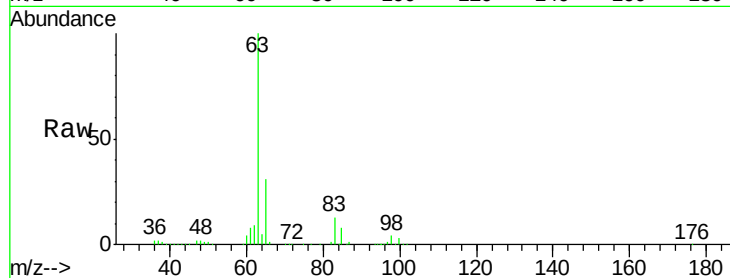


#24
 1,1-Dichloroethane
 Concen: 9.153 ppbv
 RT: 5.09 min Scan# 669
 Delta R.T. -0.01 min
 Lab File: VL033206.D
 Acq: 14 Feb 2019 20:16

Instrument :
 MSVOA_L
 ClientSampleId :
 ZONE-ADL

Tot Ion: 63 Resp: 1197059

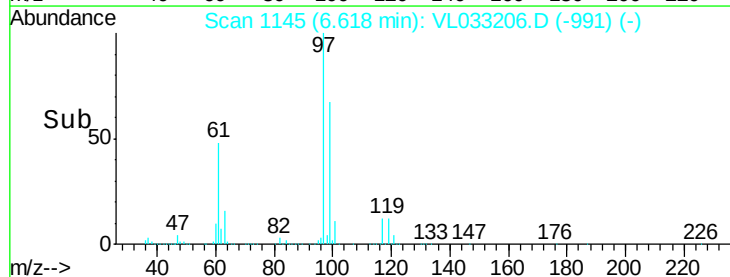
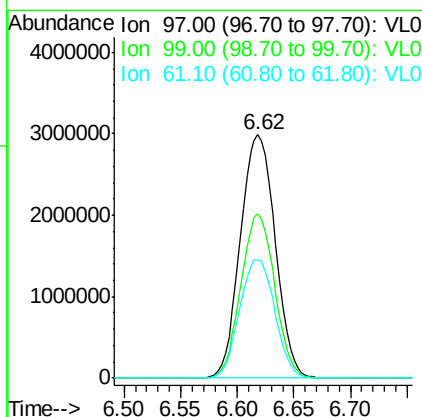
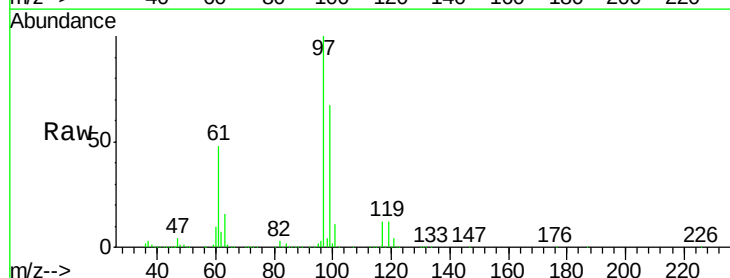
Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.1	6.5
100	2.5	1.4	4.2

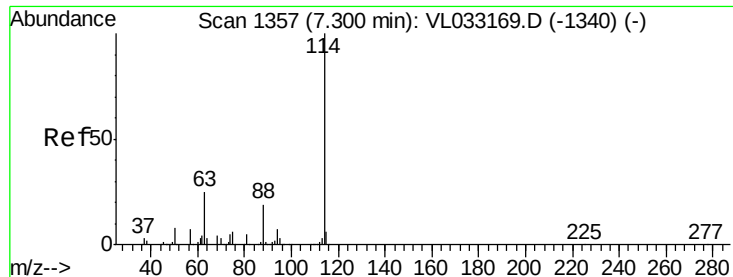


#32
 1,1,1-Trichloroethane
 Concen: 33.773 ppbv
 RT: 6.62 min Scan# 1145
 Delta R.T. -0.00 min
 Lab File: VL033206.D
 Acq: 14 Feb 2019 20:16

Tgt Ion: 97 Resp: 6417604

Ion	Ratio	Lower	Upper
97	100		
99	65.7	51.4	77.2
61	49.3	38.9	58.3

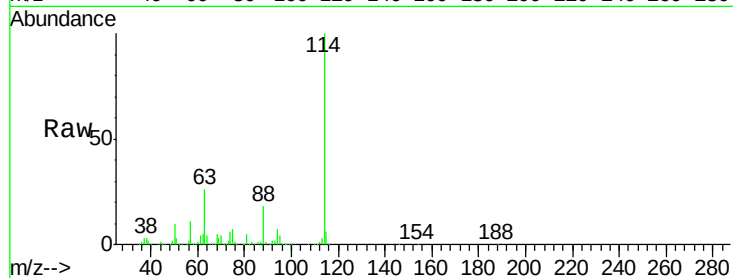




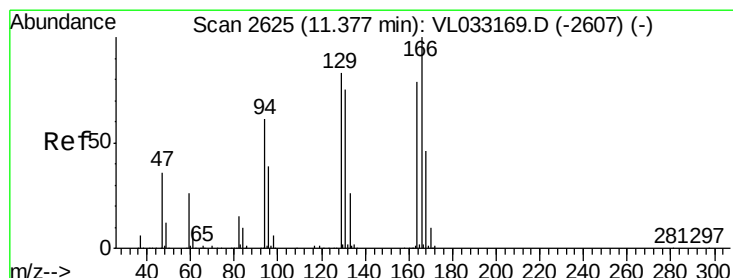
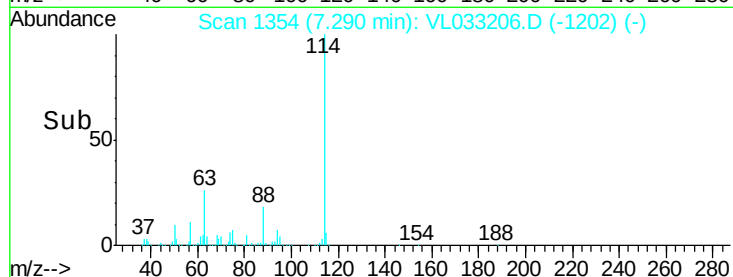
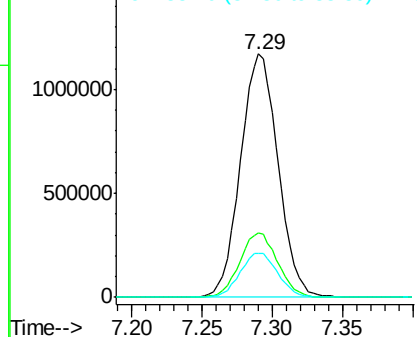
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.01 min
 Lab File: VL033206.D
 Acq: 14 Feb 2019 20:16

Instrument :
 MSVOA_L
 ClientSampleId :
 ZONE-ADL

Tot Ion:114 Resp: 2181372
 Ion Ratio Lower Upper
 114 100
 63 26.8 20.8 31.2
 88 18.4 14.6 22.0

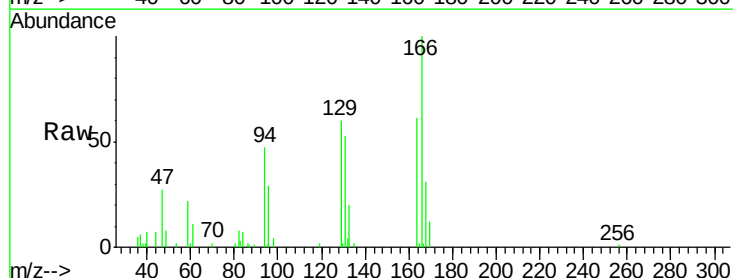


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

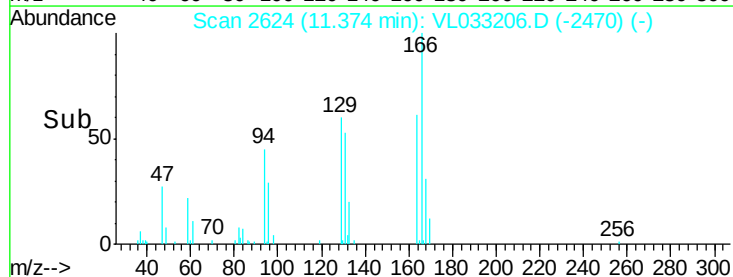
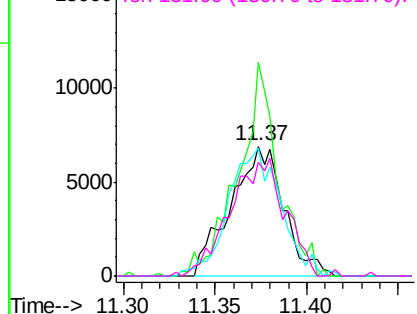


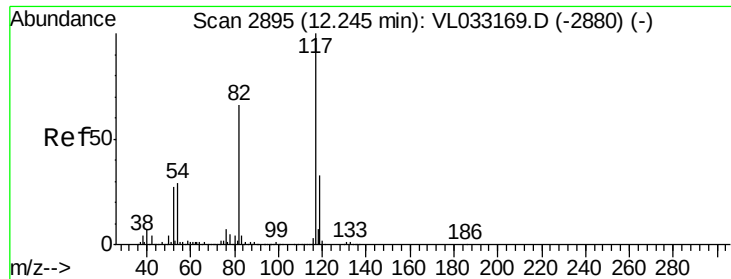
#52
 Tetrachloroethene
 Concen: 0.164 ppbv m
 RT: 11.37 min Scan# 2624
 Delta R.T. -0.00 min
 Lab File: VL033206.D
 Acq: 14 Feb 2019 20:16

Tgt Ion:164 Resp: 13909
 Ion Ratio Lower Upper
 164 100
 166 164.6 100.9 151.3#
 129 98.8 83.9 125.9
 131 87.5 76.2 114.2



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

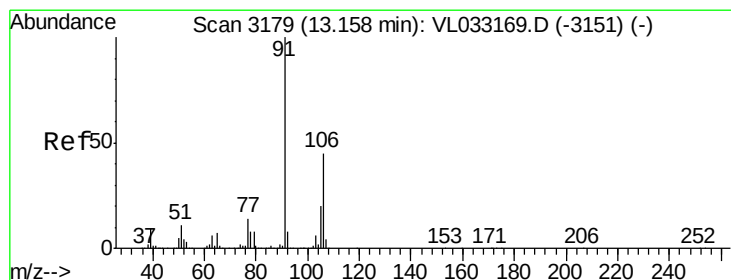
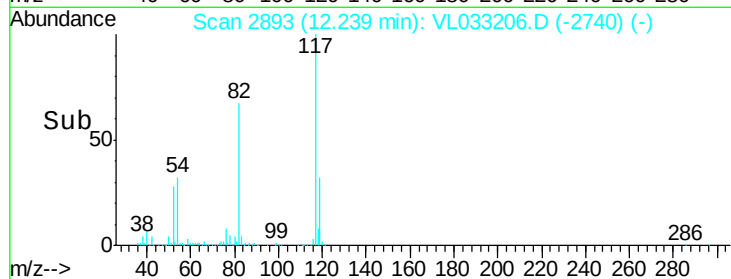
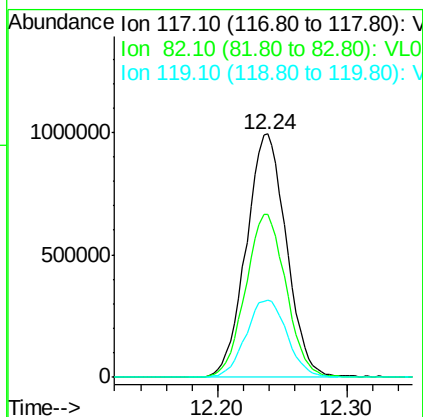
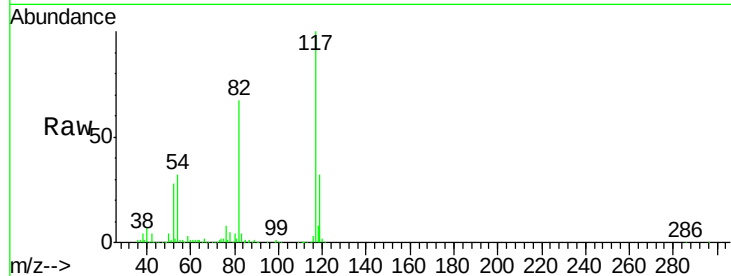




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL033206.D
Acq: 14 Feb 2019 20:16

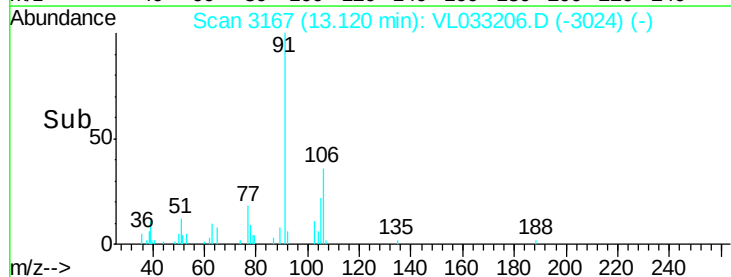
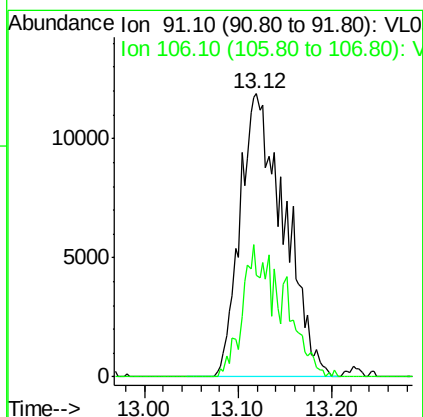
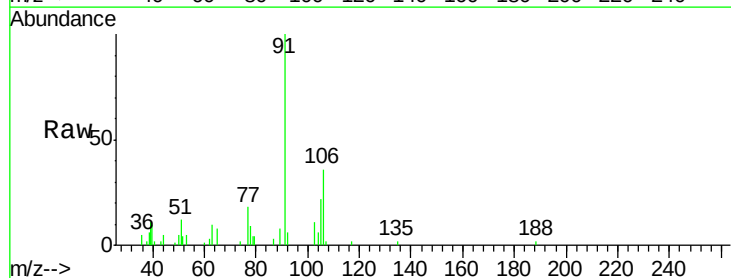
Instrument :
MSVOA_L
ClientSampleId :
ZONE-ADL

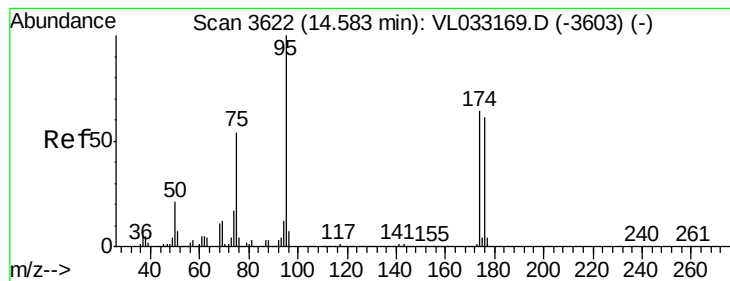
Tot Ion:117 Resp: 2154101
Ion Ratio Lower Upper
117 100
82 67.9 49.5 74.3
119 32.7 24.4 36.6



#59
m/p-Xylene
Concen: 0.133 ppbv m
RT: 13.12 min Scan# 3167
Delta R.T. -0.04 min
Lab File: VL033206.D
Acq: 14 Feb 2019 20:16

Tgt Ion: 91 Resp: 38672
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0





#68

1-Bromo-4-Fluorobenzene

Concen: 10.481 ppbv

RT: 14.58 min Scan# 3620

Delta R.T. -0.01 min

Lab File: VL033206.D

Acq: 14 Feb 2019 20:16

Instrument :

MSVOA_L

ClientSampleId :

ZONE-ADL

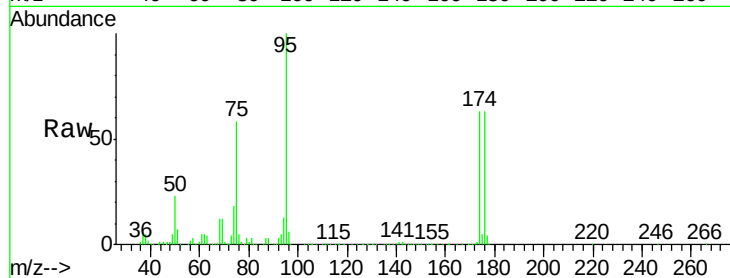
Tot Ion: 95 Resp: 1738690

Ion Ratio Lower Upper

95 100

174 64.0 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

