

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

Quant Time: Feb 21 00:47:47 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL020519AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 20 06:00:52 2019

QLast Update : Wed Feb 20 06:00:52 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	10.36	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.60%

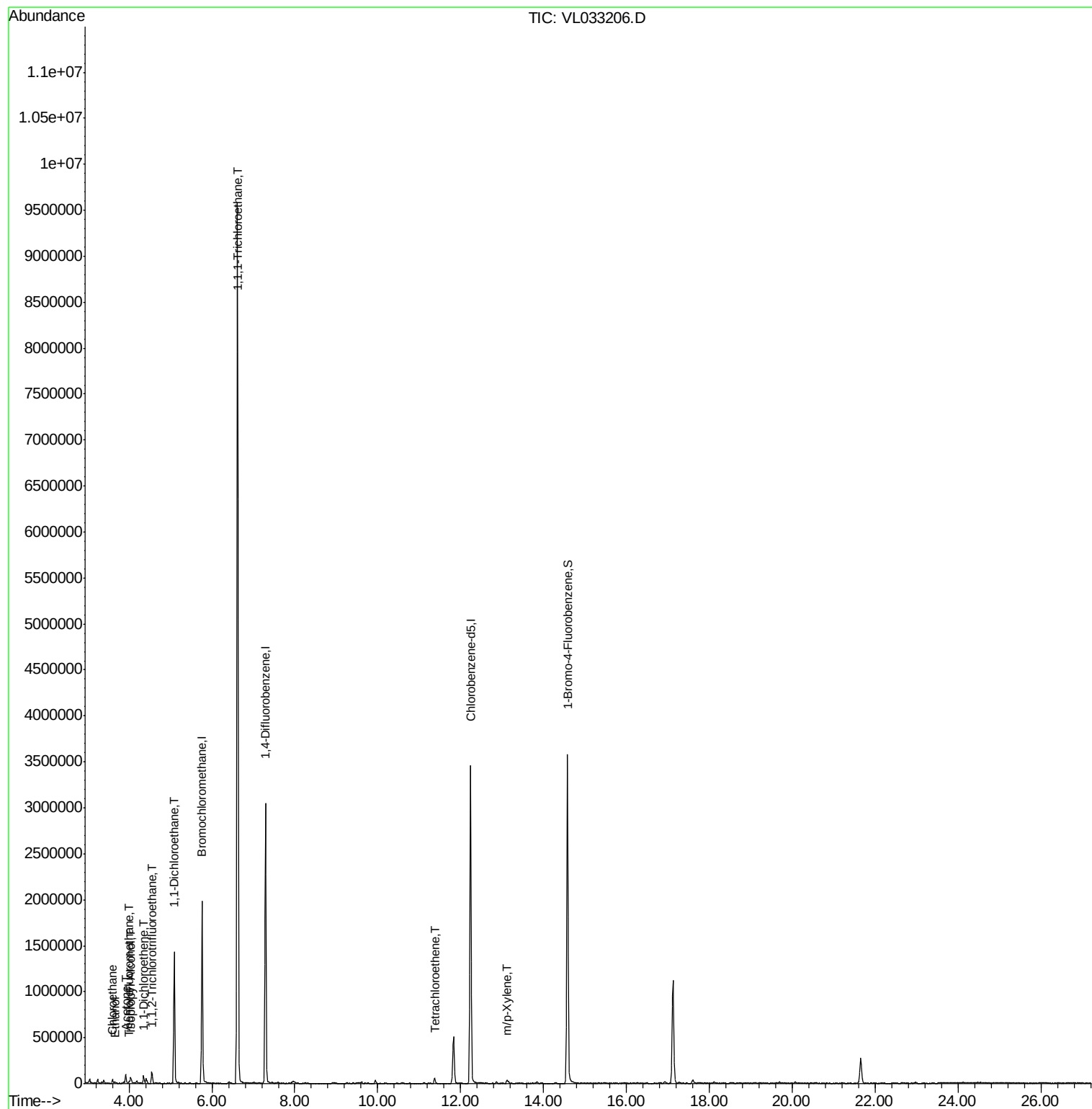
Target Compounds

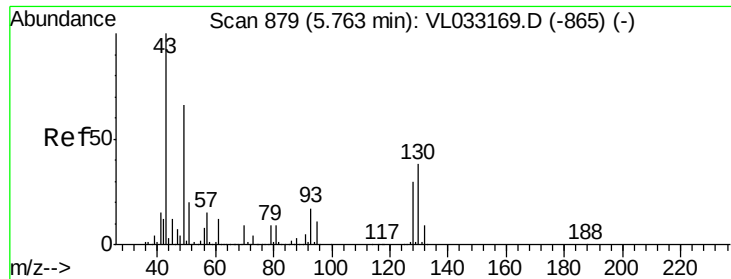
					Ovalue
7) Chloroethane	3.60	64	22449	1.092 ppbv	99
11) Trichlorofluoromethane	4.01	101	15215	0.104 ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.55	101	43455	0.428 ppbv	99
13) Ethanol	3.66	45	13014	0.695 ppbv	92
15) Acetone	3.91	43	80855	0.758 ppbv	97
18) 1,1-Dichloroethene	4.35	96	25003	0.550 ppbv	89
19) Isopropyl Alcohol	4.04	45	73858m	1.021 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	0.131 ppbv	

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

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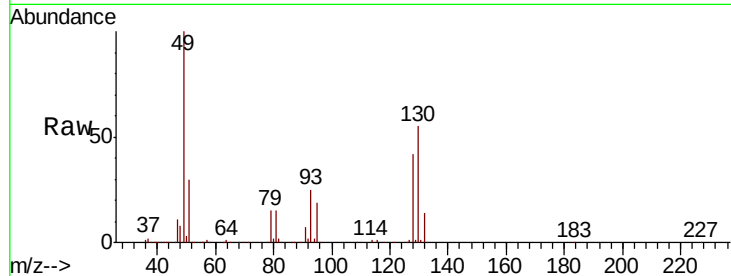
Quant Time: Feb 21 00:47:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 20 06:00:52 2019
QLast Update : Wed Feb 20 06:00:52 2019
Response via : Initial Calibration



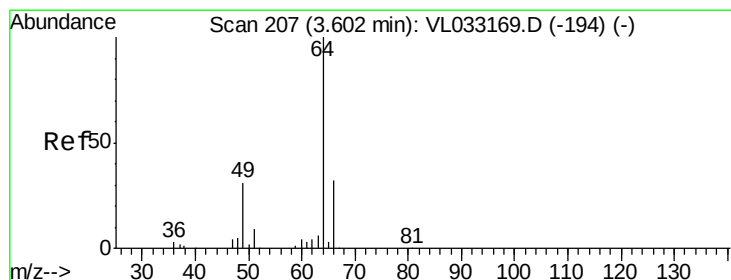
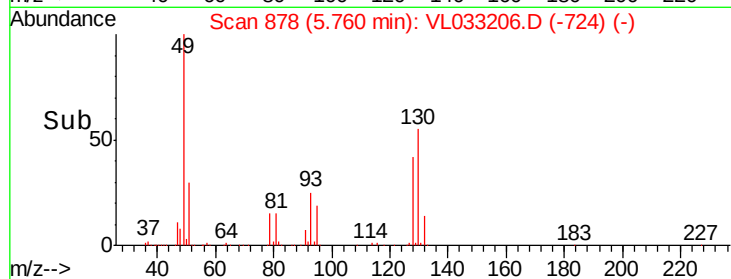
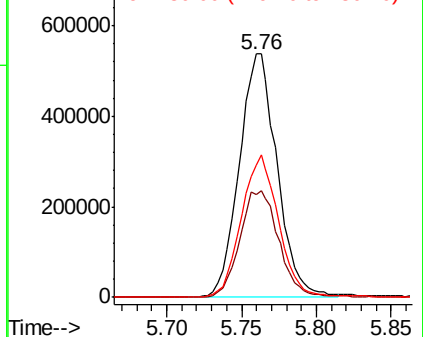


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.00 min
Lab File: VL033206.D
Acq: 14 Feb 2019 20:16

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

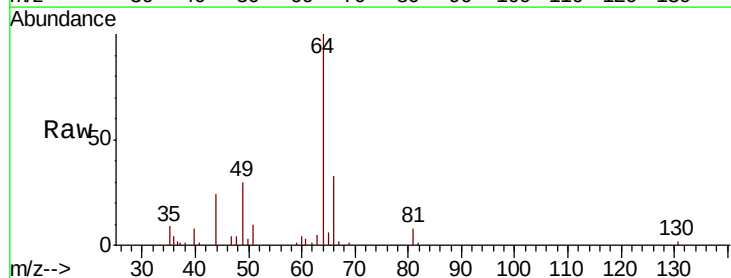


Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V

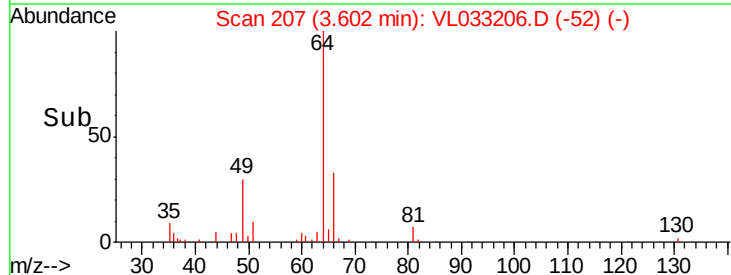
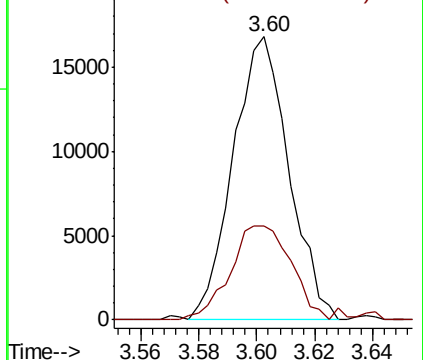


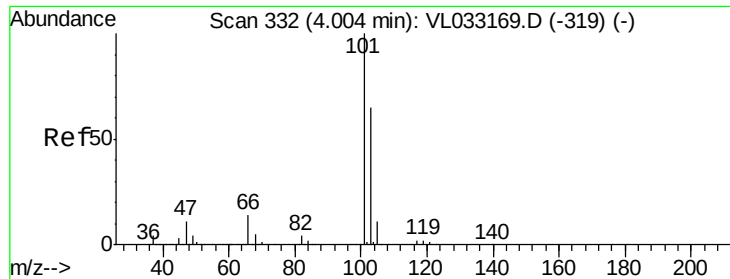
#7
Chloroethane
Concen: 1.092 ppbv
RT: 3.60 min Scan# 207
Delta R.T. -0.00 min
Lab File: VL033206.D
Acq: 14 Feb 2019 20:16

Tgt Ion: 64 Resp: 22449
Ion Ratio Lower Upper
64 100
66 33.3 26.0 39.0



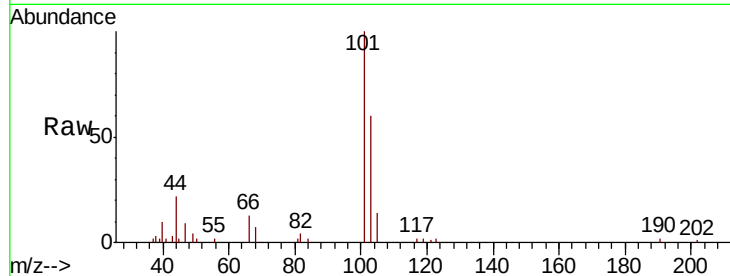
Abundance Ion 64.10 (63.80 to 64.80): VL0
Ion 66.10 (65.80 to 66.80): VL0



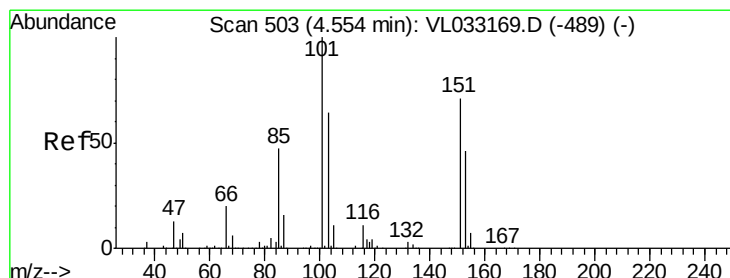
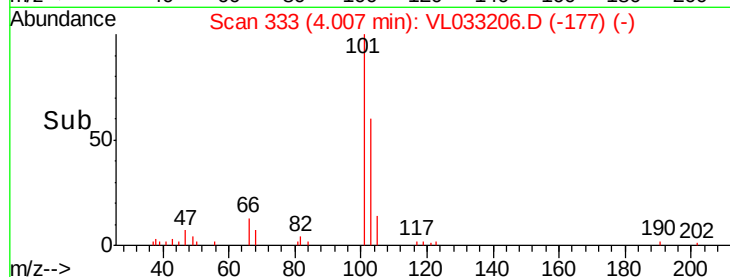
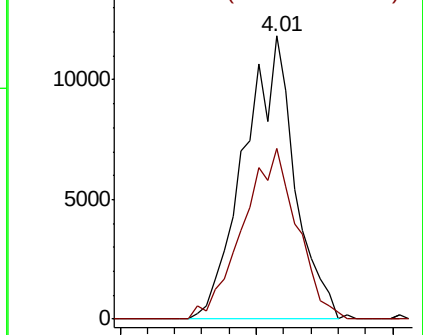


#11
 Trichlorofluoromethane
 Concen: 0.104 ppbv
 RT: 4.01 min Scan# 333
 Delta R.T. 0.00 min
 Lab File: VL033206.D
 Acq: 14 Feb 2019 20:16

Tot Ion:101 Resp: 15215
 Ion Ratio Lower Upper
 101 100
 103 60.2 51.7 77.5

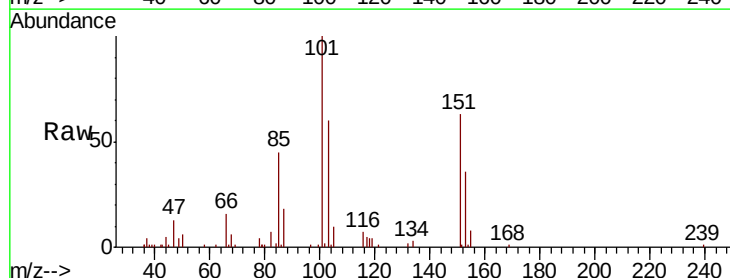


Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 103.00 (102.70 to 103.70): V

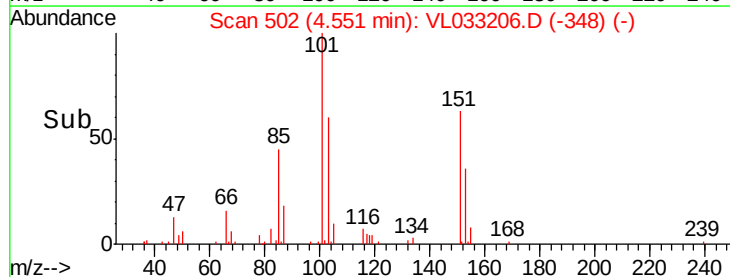
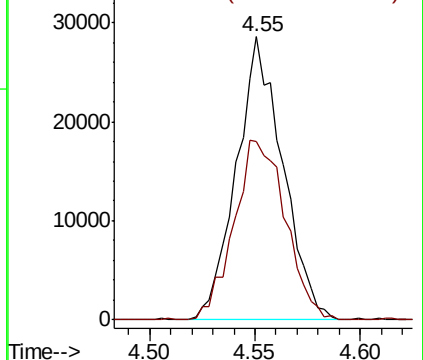


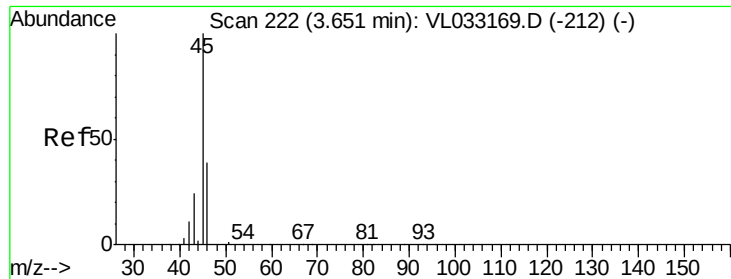
#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.428 ppbv
 RT: 4.55 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VL033206.D
 Acq: 14 Feb 2019 20:16

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: 0.695 ppbv

RT: 3.66 min Scan# 225

Delta R.T. 0.01 min

Lab File: VL033206.D

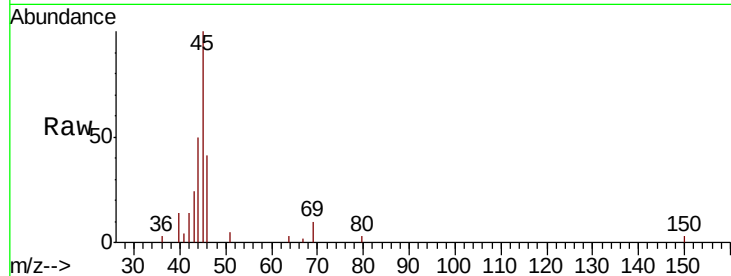
Acq: 14 Feb 2019 20:16

Tot Ion: 45 Resp: 13014

Ion Ratio Lower Upper

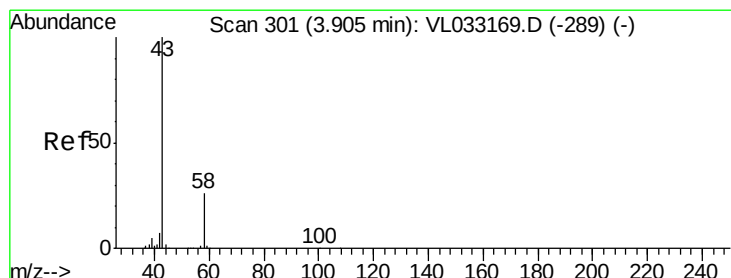
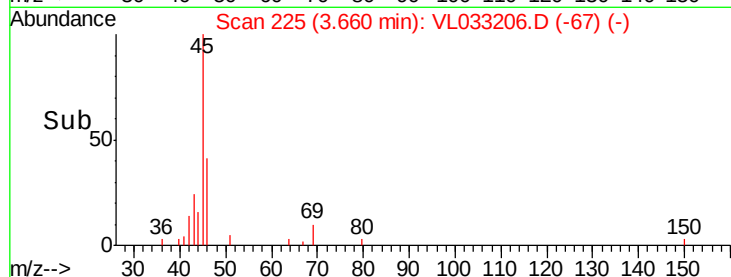
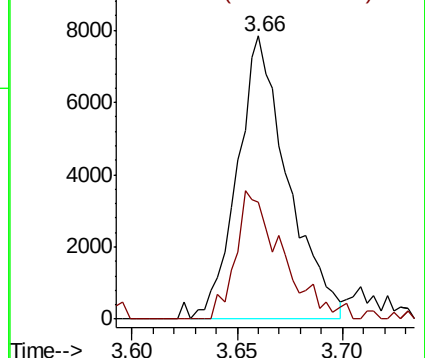
45 100

46 42.6 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: 0.758 ppbv

RT: 3.91 min Scan# 304

Delta R.T. 0.01 min

Lab File: VL033206.D

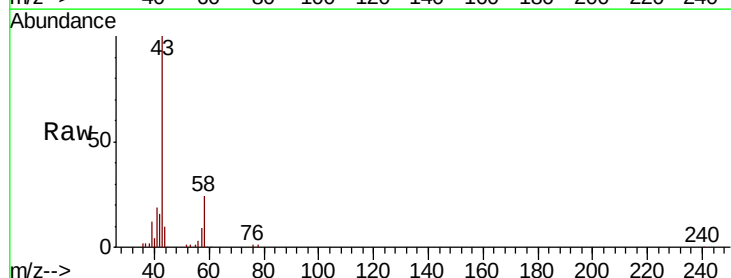
Acq: 14 Feb 2019 20:16

Tgt Ion: 43 Resp: 80855

Ion Ratio Lower Upper

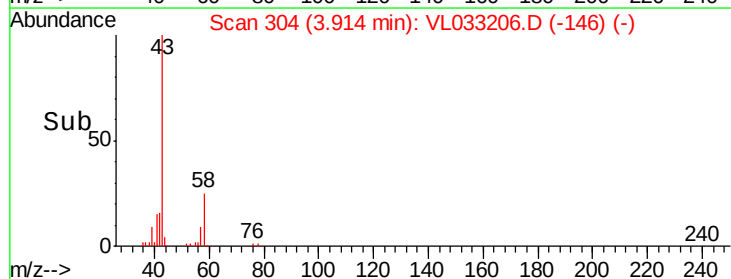
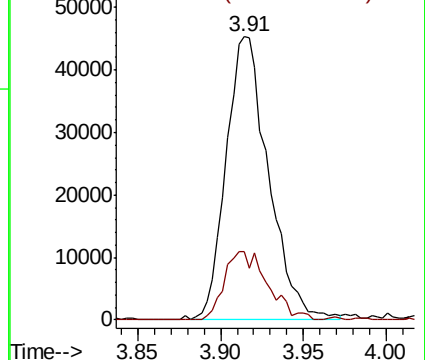
43 100

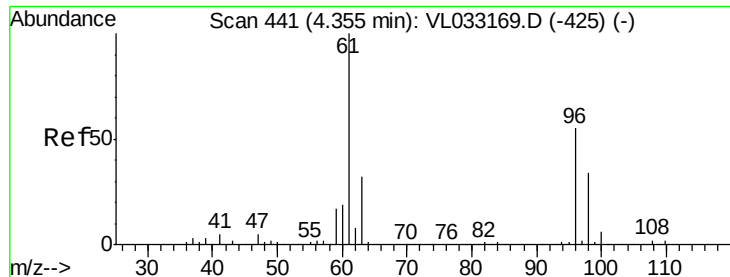
58 24.8 21.1 31.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

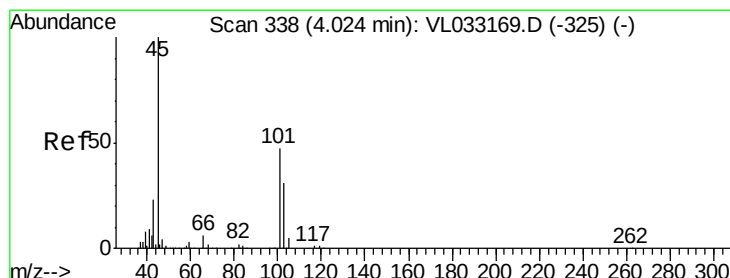
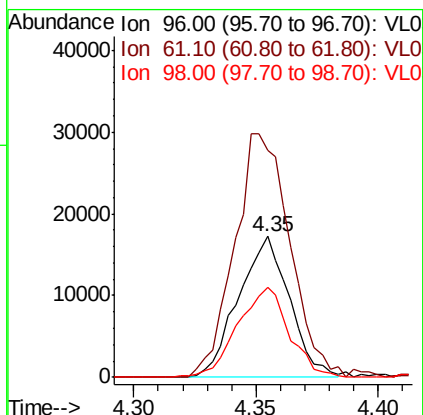
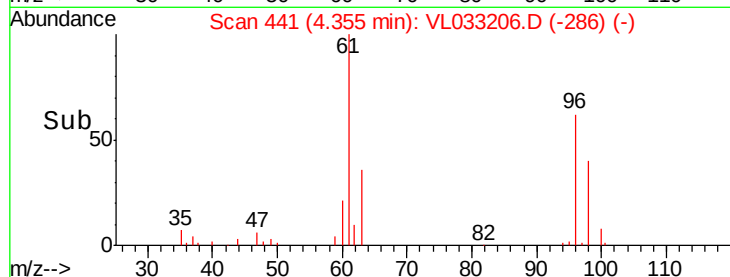
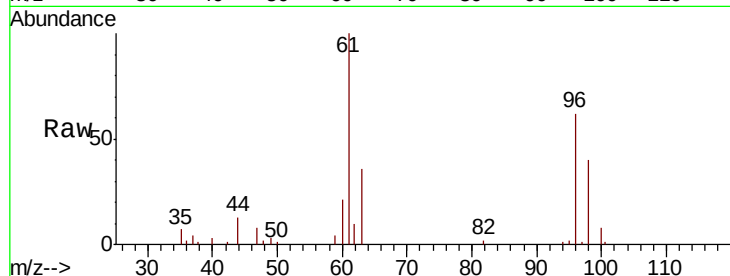
Ion 58.10 (57.80 to 58.80): VL0





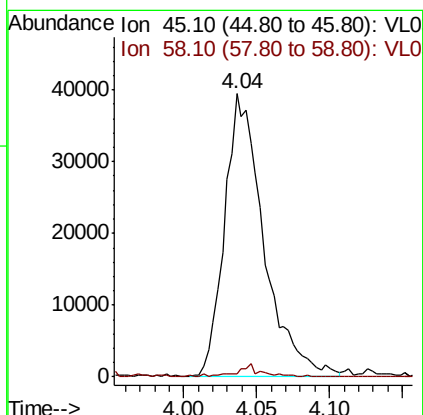
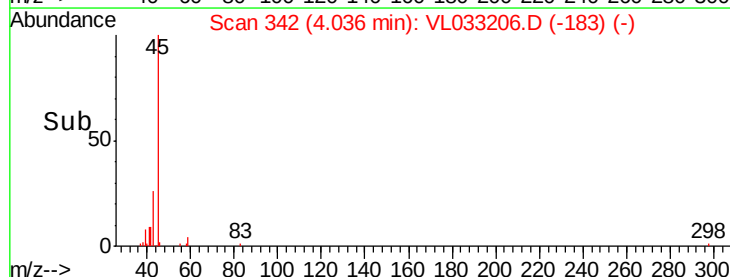
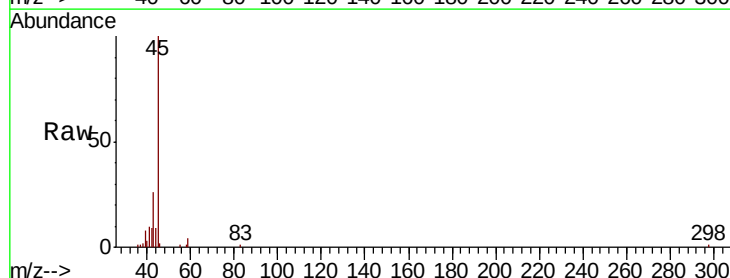
#18
 1,1-Dichloroethene
 Concen: 0.550 ppbv
 RT: 4.35 min Scan# 441
 Delta R.T. -0.00 min
 Lab File: VL033206.D
 Acq: 14 Feb 2019 20:16

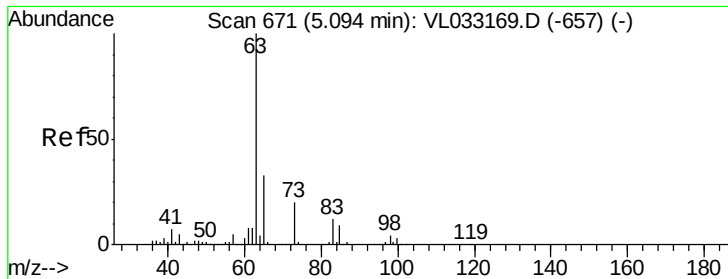
Tot Ion: 96 Resp: 25003
 Ion Ratio Lower Upper
 96 100
 61 161.0 145.0 217.6
 98 63.2 50.0 75.0



#19
 Isopropyl Alcohol
 Concen: 1.021 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: 73858
 Ion Ratio Lower Upper
 45 100
 58 2.8 1.5 2.3#





#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

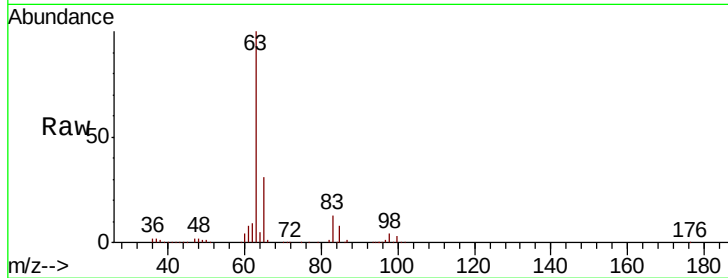
Tot Ion: 63 Resp: 1197059

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

63 100

98 4.2 2.1 6.5

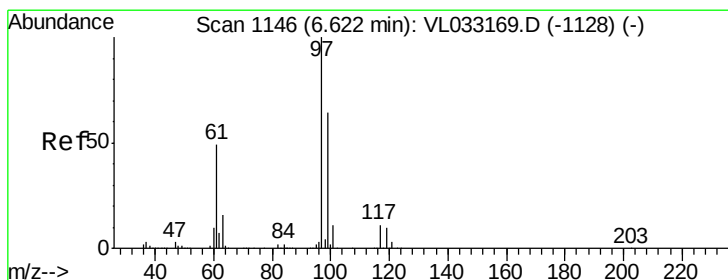
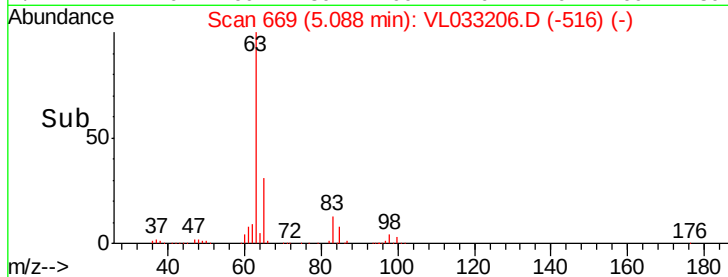
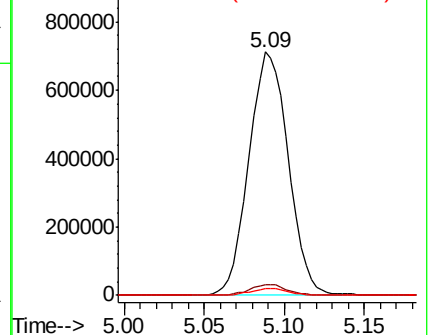
100 2.5 1.4 4.2



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: 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

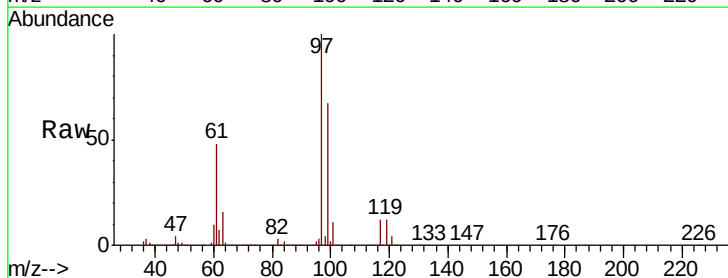
Tgt Ion: 97 Resp: 6417604

Ion	Ratio	Lower	Upper
97	100		
99	65.7	51.4	77.2
61	49.3	38.8	58.2

97 100

99 65.7 51.4 77.2

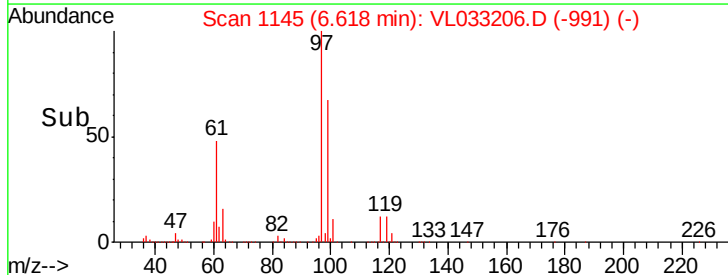
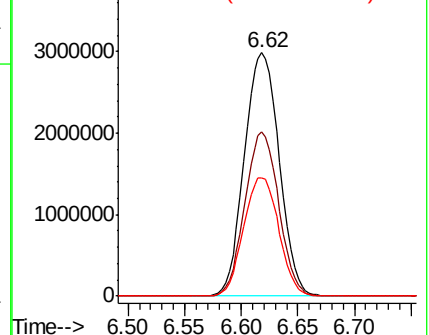
61 49.3 38.8 58.2

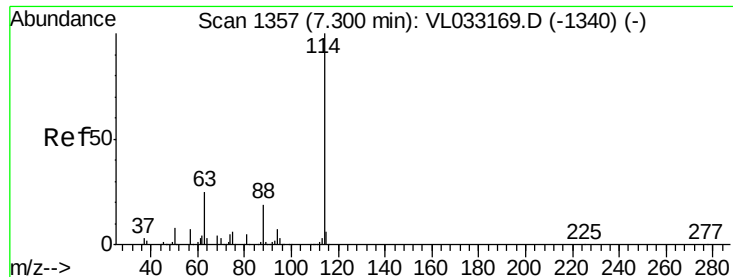


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

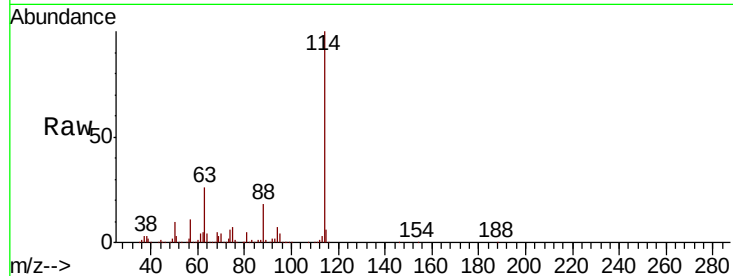
Ion 61.10 (60.80 to 61.80): VL0



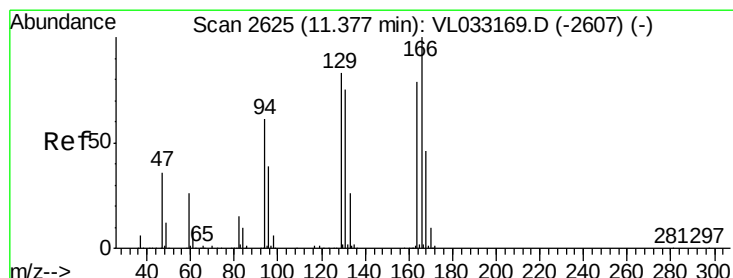
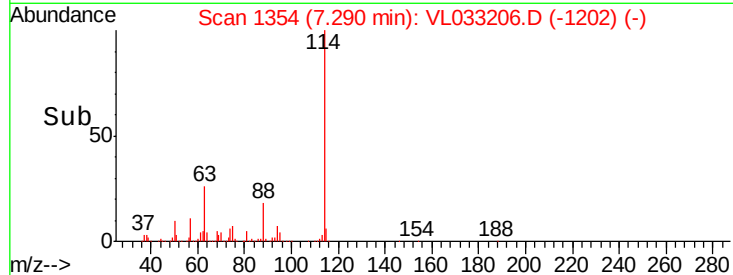
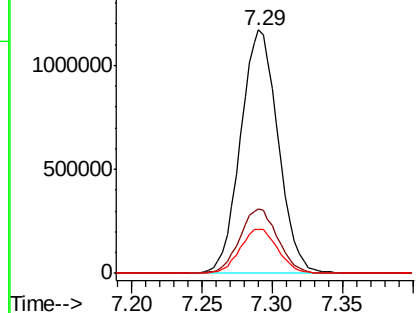


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.01 min
 Lab File: VL033206.D
 Acq: 14 Feb 2019 20:16

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

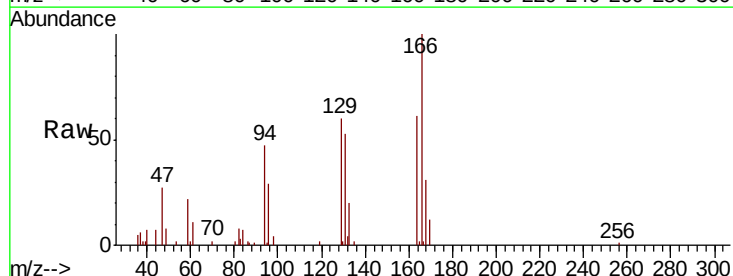


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

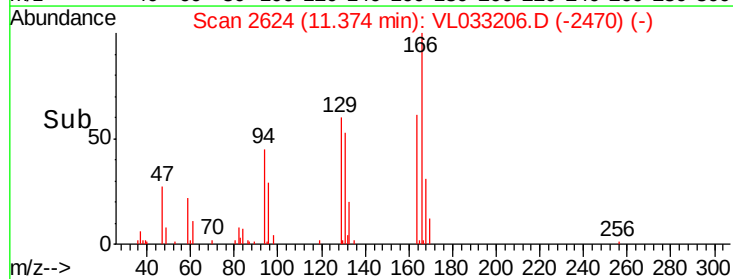
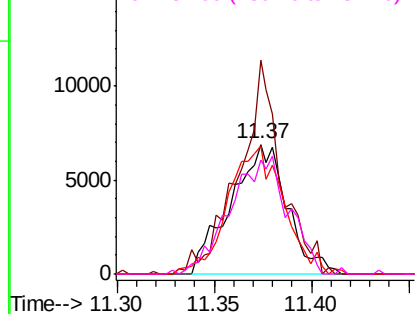


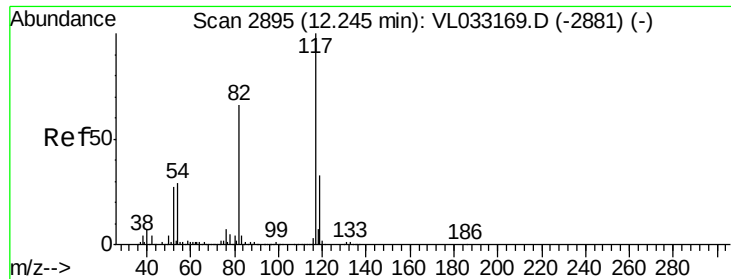
#52
 Tetrachloroethene
 Concen: 0.164 ppbv m
 RT: 11.37 min Scan# 2624
 Delta R.T. -0.00 min
 Lab File: VL033206.D
 Acq: 14 Feb 2019 20:16

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



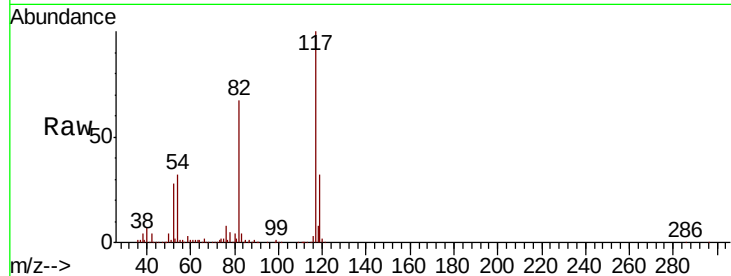
Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 165.90 (165.60 to 166.60): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V



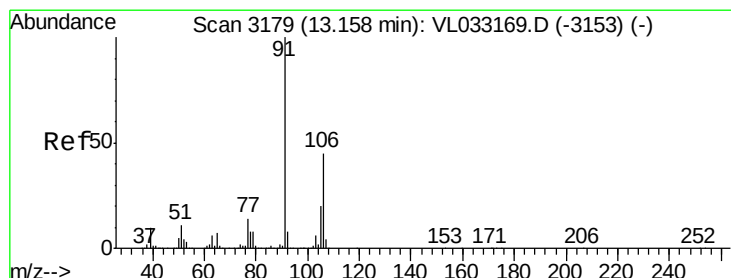
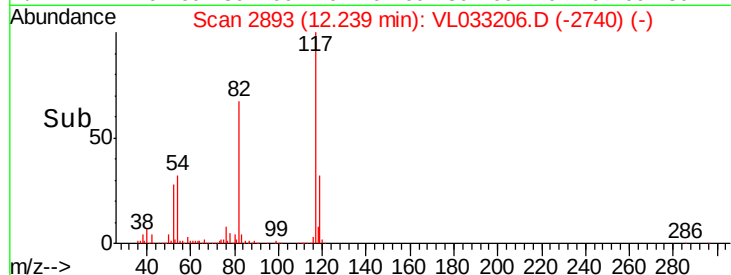
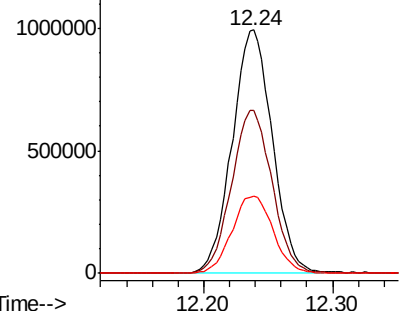


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL033206.D
Acq: 14 Feb 2019 20:16

Tot Ion:117 Resp: 2154101
Ion Ratio Lower Upper
117 100
82 67.9 53.8 80.8
119 32.7 46.9 70.3#

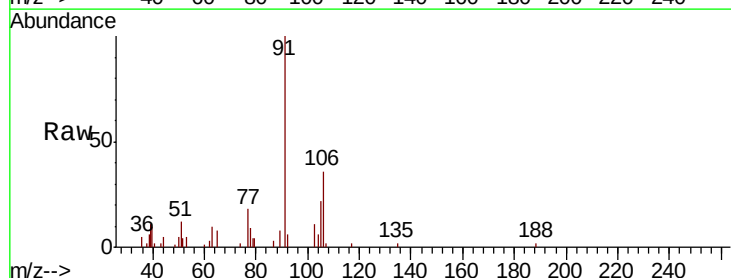


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

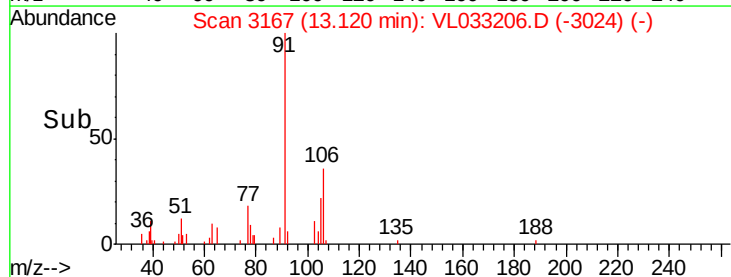
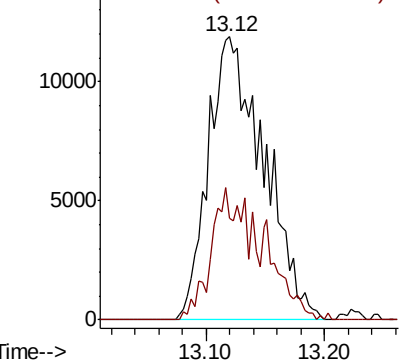


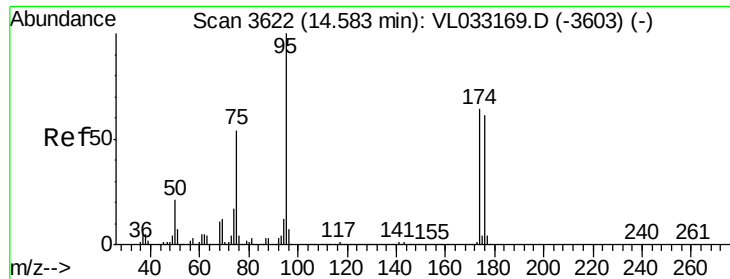
#59
m/p-Xylene
Concen: 0.131 ppbv m
RT: 13.12 min Scan# 3167
Delta R.T. -0.04 min
Lab File: VL033206.D
Acq: 14 Feb 2019 20:16

Tgt Ion: 91 Resp: 38672
Ion Ratio Lower Upper
91 100
106 0.0 36.6 55.0#



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: 10.357 ppbv

RT: 14.58 min Scan# 3620

Delta R.T. -0.01 min

Lab File: VL033206.D

Acq: 14 Feb 2019 20:16

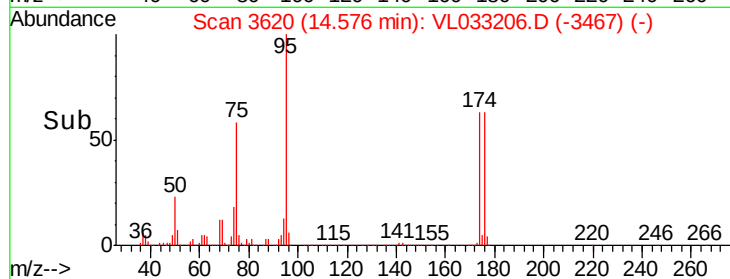
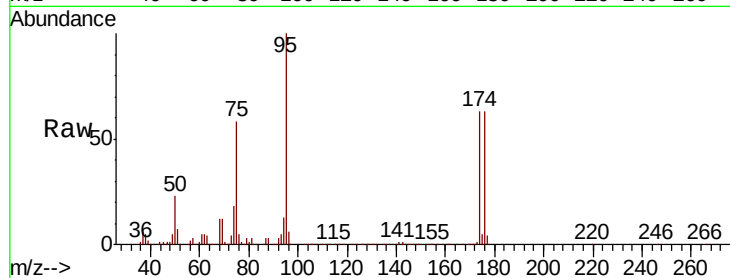
Tot Ion: 95 Resp: 1738690

Ion Ratio Lower Upper

95 100

174 64.0 51.1 76.7

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

