

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021419\
 Data File : VL033208.D
 Acq On : 14 Feb 2019 21:35
 Operator : SY/AP
 Sample : K1483-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 21 00:59:27 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	969734	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2179801	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.24	117	2168412	10.00	ppbv	0.00

System Monitoring Compounds

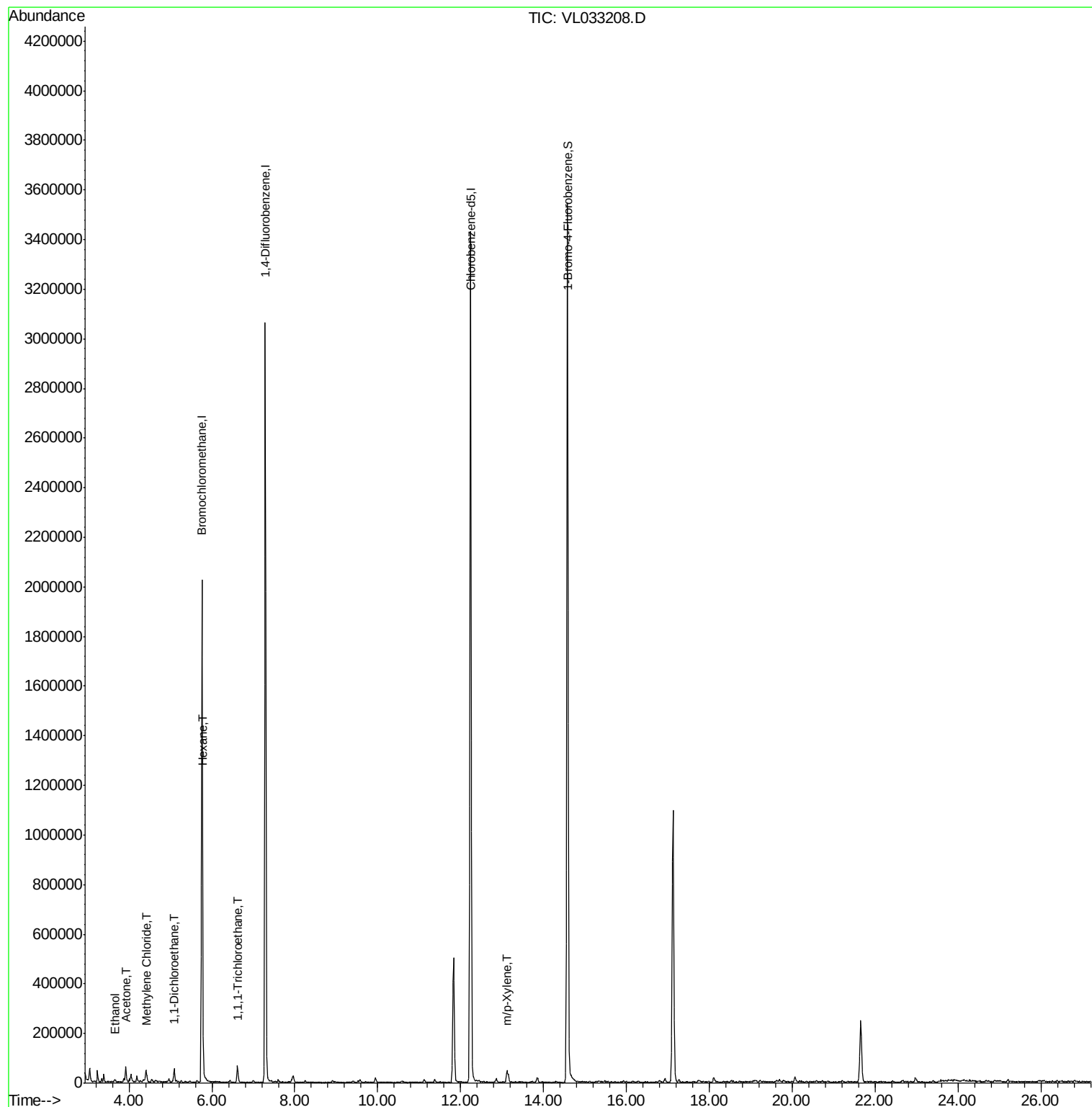
68) 1-Bromo-4-Fluorobenzene	14.58	95	1735451	10.27	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.70%

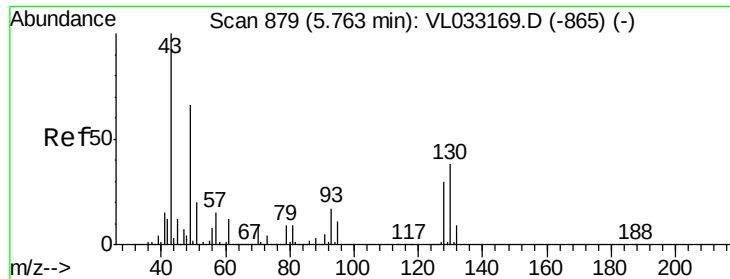
Target Compounds					Ovalue
13) Ethanol	3.66	45	8691m	0.453	ppbv
15) Acetone	3.92	43	46424	0.425	ppbv 91
20) Methylene Chloride	4.41	84	14360m	0.330	ppbv
24) 1,1-Dichloroethane	5.09	63	40277	0.301	ppbv # 97
26) Hexane	5.78	57	12908m	0.112	ppbv
32) 1,1,1-Trichloroethane	6.62	97	37480m	0.193	ppbv
59) m/p-Xylene	13.13	91	49865m	0.168	ppbv

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

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

Lab File: VL033208.D

Acq: 14 Feb 2019 21:35

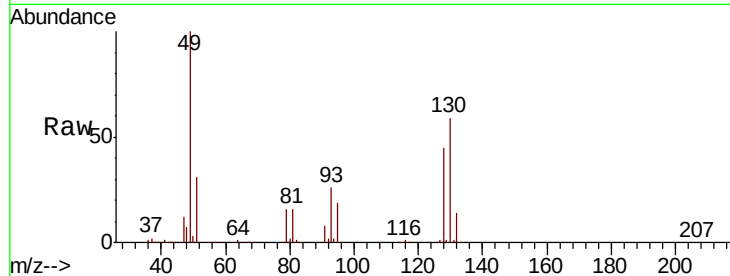
Tot Ion: 49 Resp: 969734

Ion Ratio Lower Upper

49 100

128 45.6 23.6 71.0

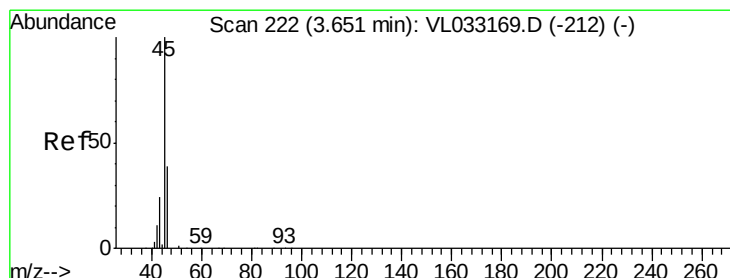
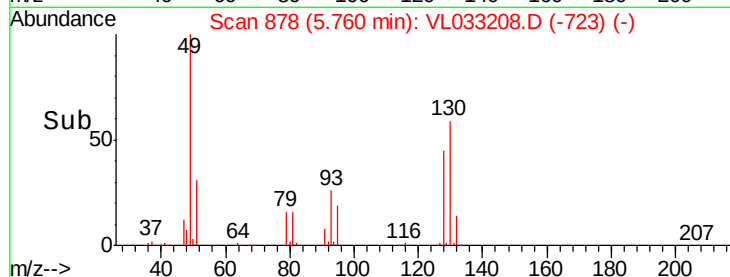
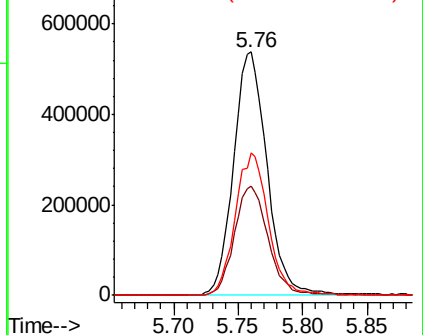
130 58.4 30.3 91.0



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



#13

Ethanol

Concen: 0.453 ppbv m

RT: 3.66 min Scan# 225

Delta R.T. 0.01 min

Lab File: VL033208.D

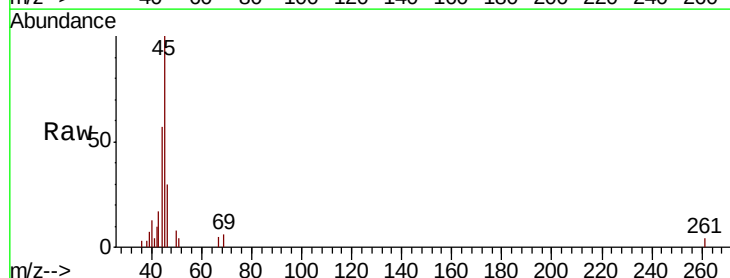
Acq: 14 Feb 2019 21:35

Tgt Ion: 45 Resp: 8691

Ion Ratio Lower Upper

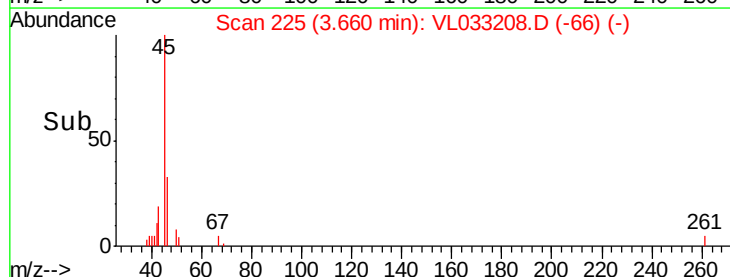
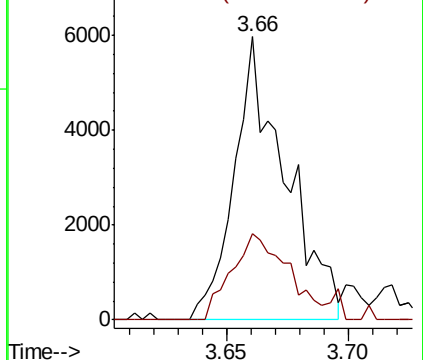
45 100

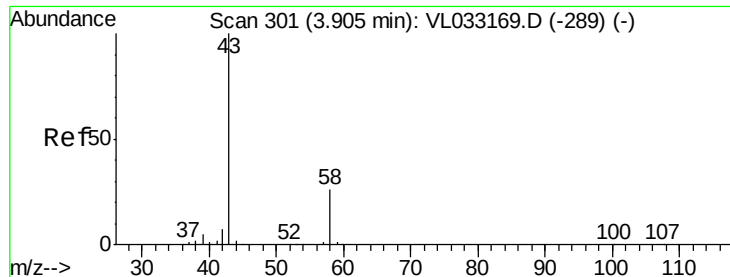
46 36.6 15.0 60.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.425 ppbv

RT: 3.92 min Scan# 305

Delta R.T. 0.01 min

Lab File: VL033208.D

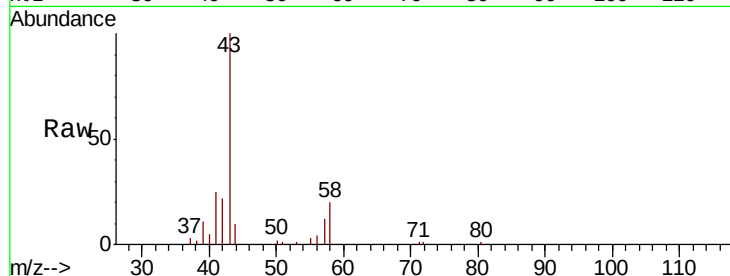
Acq: 14 Feb 2019 21:35

Tot Ion: 43 Resp: 46424

Ion Ratio Lower Upper

43 100

58 22.0 21.1 31.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.92

25000

20000

15000

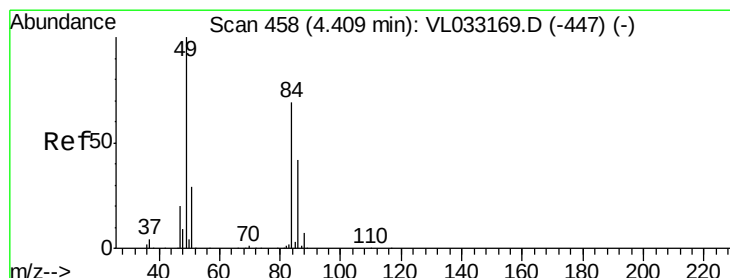
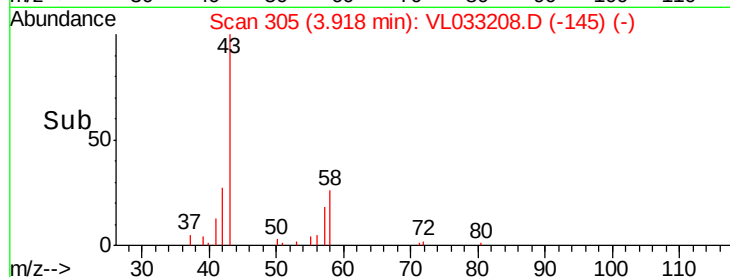
10000

5000

0

Time-->

3.85 3.90 3.95



#20

Methylene Chloride

Concen: 0.330 ppbv m

RT: 4.41 min Scan# 457

Delta R.T. -0.00 min

Lab File: VL033208.D

Acq: 14 Feb 2019 21:35

Tgt Ion: 84 Resp: 14360

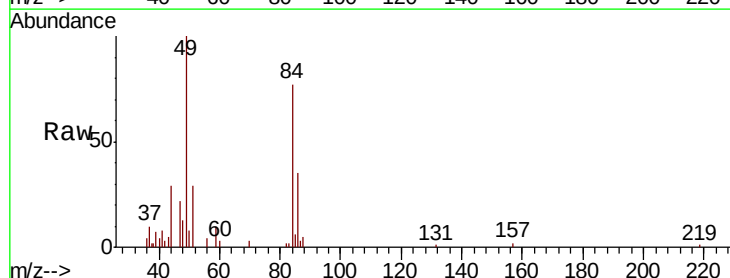
Ion Ratio Lower Upper

84 100

49 129.4 115.8 173.8

51 37.0 33.0 49.6

86 45.0 48.2 72.2#



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

20000

15000

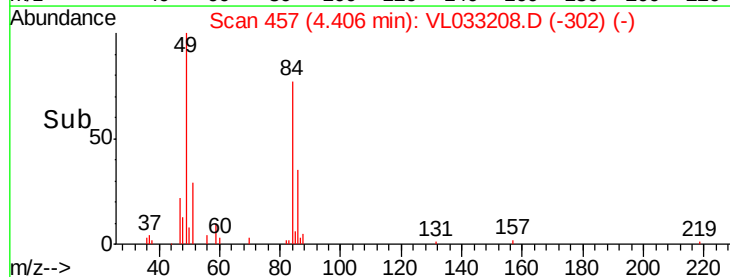
10000

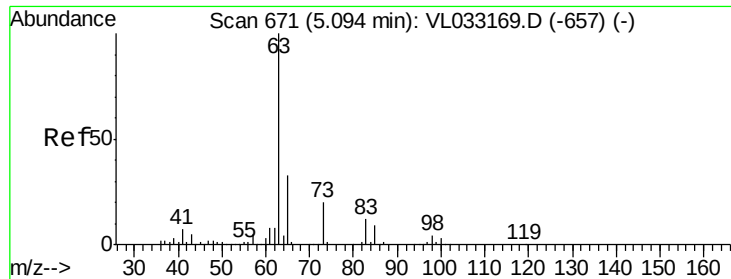
5000

0

Time-->

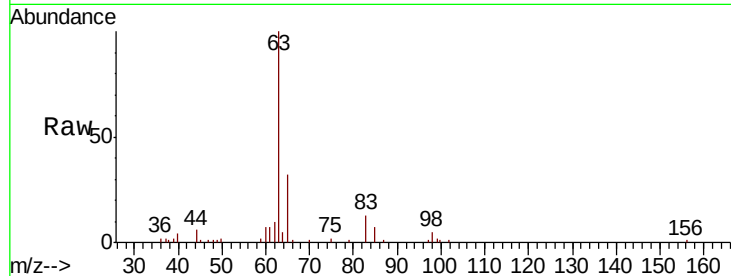
4.35 4.40 4.45



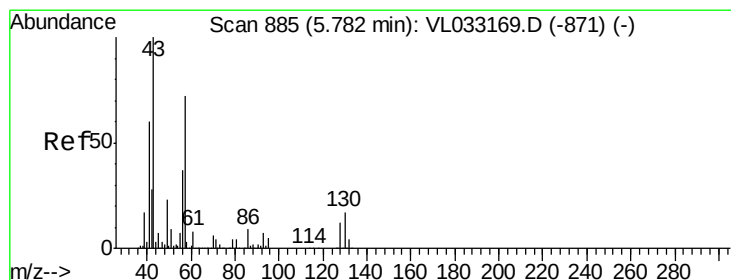
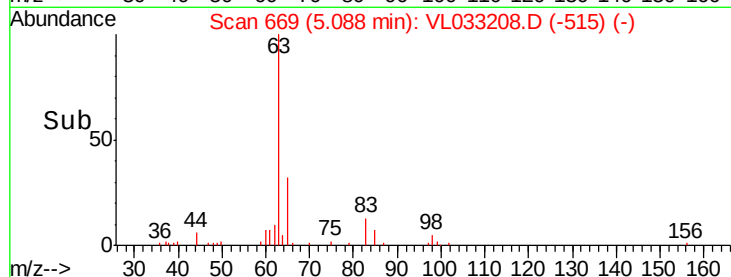
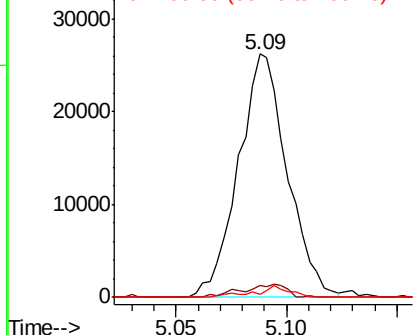


#24
 1,1-Dichloroethane
 Concen: 0.301 ppbv
 RT: 5.09 min Scan# 669
 Delta R.T. -0.01 min
 Lab File: VL033208.D
 Acq: 14 Feb 2019 21:35

Tot Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.1	6.5
100	1.1	1.4	4.2#



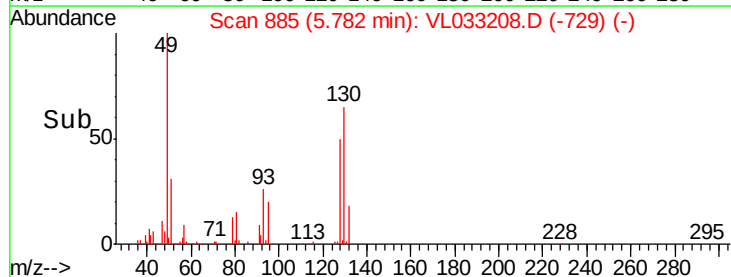
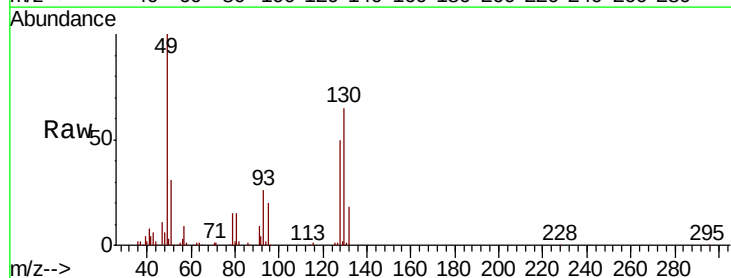
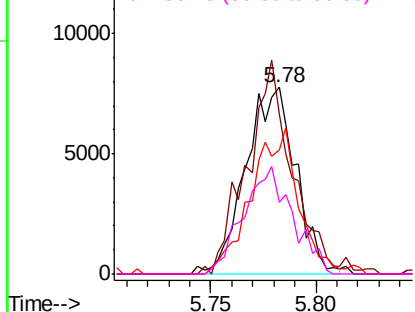
Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 98.00 (97.70 to 98.70): VL0
 Ion 100.00 (99.70 to 100.70): VL0

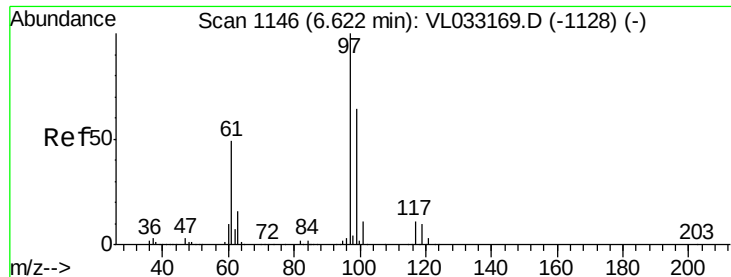


#26
 Hexane
 Concen: 0.112 ppbv m
 RT: 5.78 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VL033208.D
 Acq: 14 Feb 2019 21:35

Tgt Ion	Ratio	Lower	Upper
57	100		
41	103.8	69.4	104.2
43	75.0	176.7	265.1#
56	56.4	41.4	62.0

Abundance Ion 57.10 (56.80 to 57.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 43.10 (42.80 to 43.80): VL0
 Ion 56.10 (55.80 to 56.80): VL0





#32

1,1,1-Trichloroethane

Concen: 0.193 ppbv m

RT: 6.62 min Scan# 1146

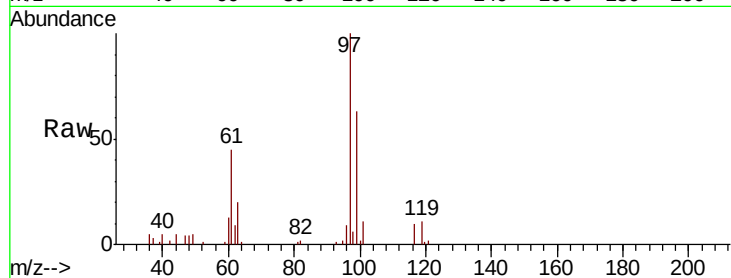
Delta R.T. 0.00 min

Lab File: VL033208.D

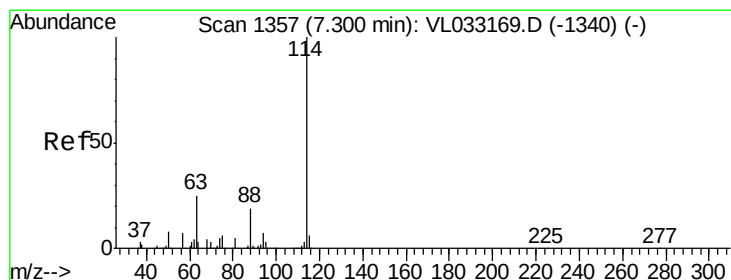
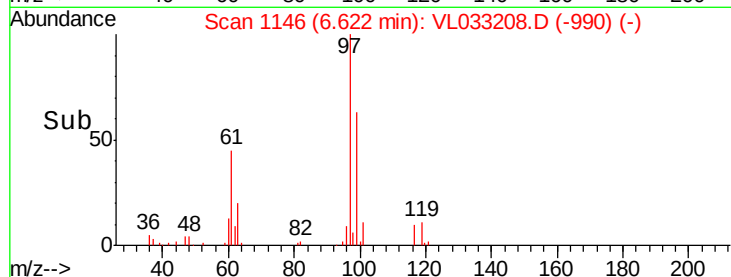
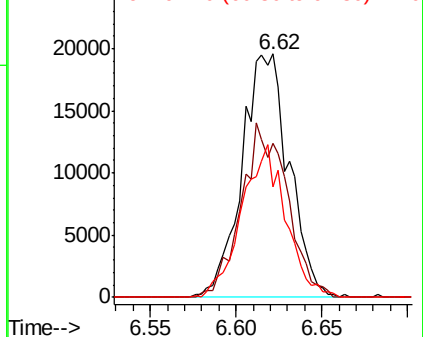
Acq: 14 Feb 2019 21:35

Tot Ion: 97 Resp: 37480

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.4	77.2#
61	58.2	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# 1353

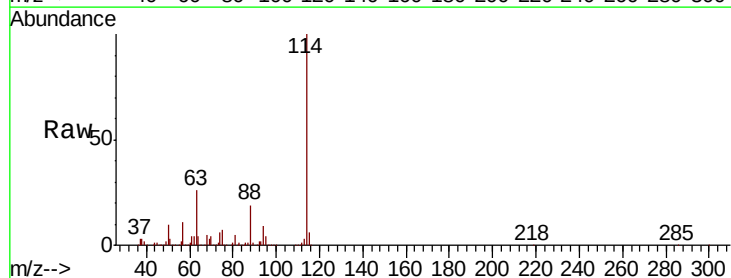
Delta R.T. -0.01 min

Lab File: VL033208.D

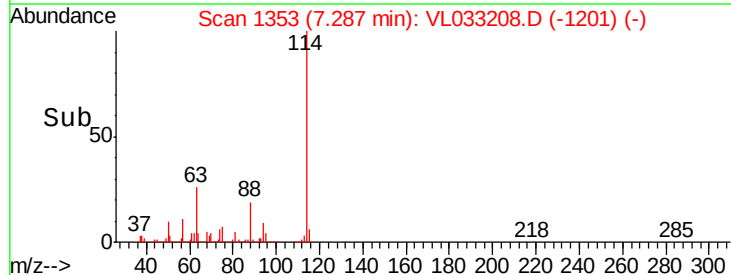
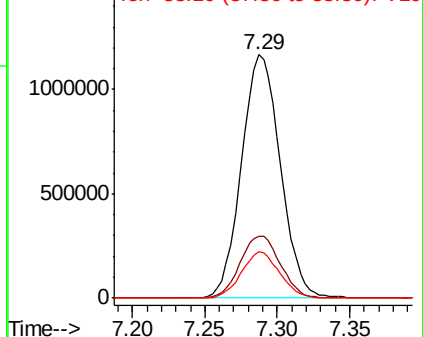
Acq: 14 Feb 2019 21:35

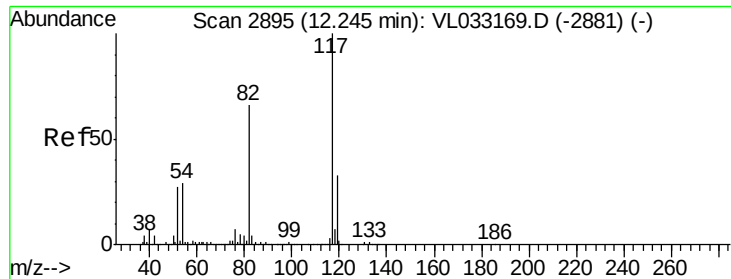
Tgt Ion: 114 Resp: 2179801

Ion	Ratio	Lower	Upper
114	100		
63	26.5	20.8	31.2
88	18.7	14.6	22.0



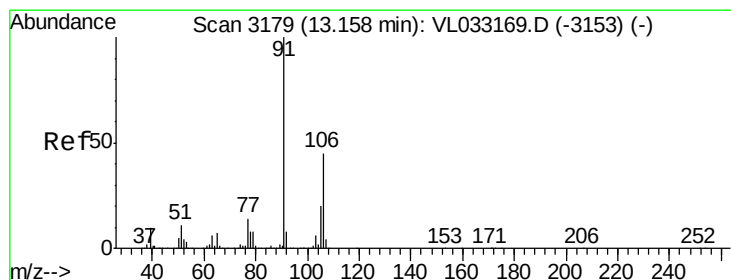
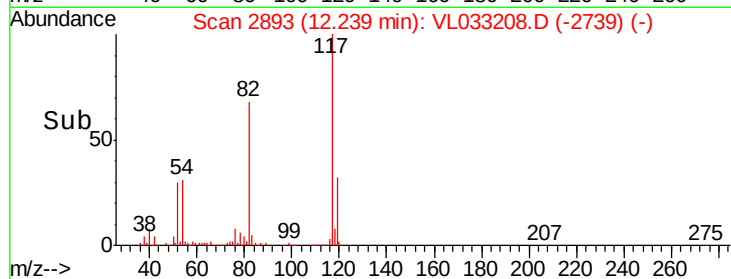
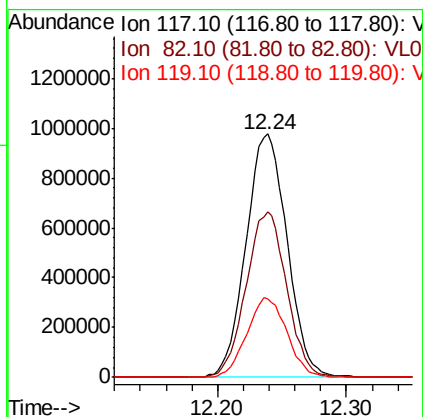
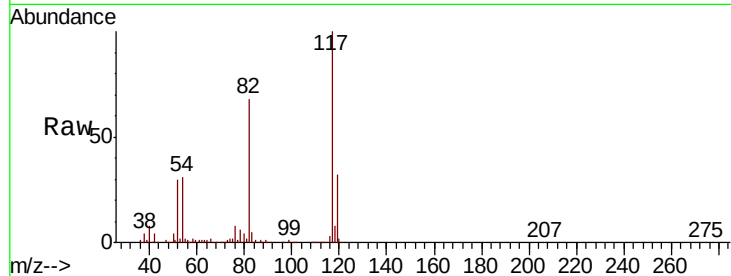
Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





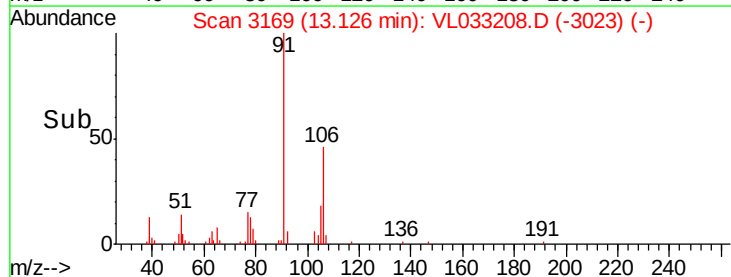
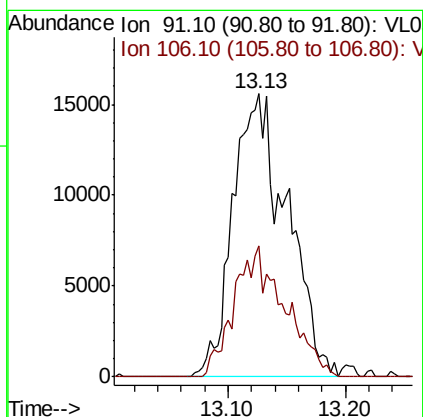
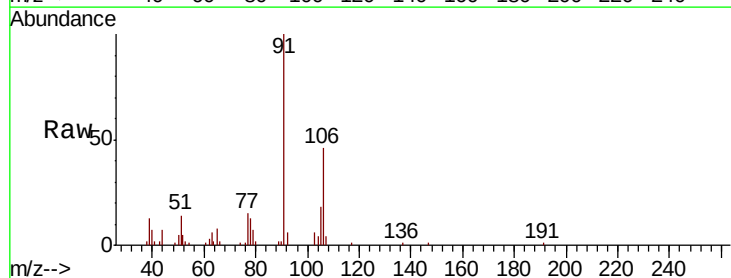
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL033208.D
Acq: 14 Feb 2019 21:35

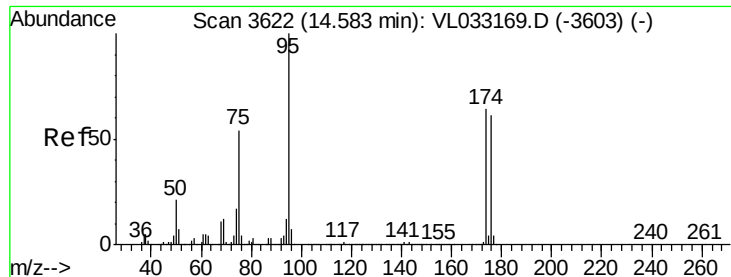
Tot Ion:117 Resp: 2168412
Ion Ratio Lower Upper
117 100
82 67.7 53.8 80.8
119 32.2 46.9 70.3#



#59
m/p-Xylene
Concen: 0.168 ppbv m
RT: 13.13 min Scan# 3169
Delta R.T. -0.03 min
Lab File: VL033208.D
Acq: 14 Feb 2019 21:35

Tgt Ion: 91 Resp: 49865
Ion Ratio Lower Upper
91 100
106 0.0 36.6 55.0#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.270 ppbv
 RT: 14.58 min Scan# 3620
 Delta R.T. -0.01 min
 Lab File: VL033208.D
 Acq: 14 Feb 2019 21:35

Tot Ion:	95	Resp:	1735451
Ion	Ratio	Lower	Upper
95	100		
174	63.9	51.1	76.7
175	4.6	3.8	5.6

