

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL010419\
 Data File : VL033070.D
 Acq On : 4 Jan 2019 16:28
 Operator : SY/AP
 Sample : VL0103ABL01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0104ABL01

Quant Time: Jan 05 01:50:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan 04 16:09:05 2019
 QLast Update : Fri Jan 04 16:09:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1080636	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2691697	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2524205	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1869026	9.66	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.60%

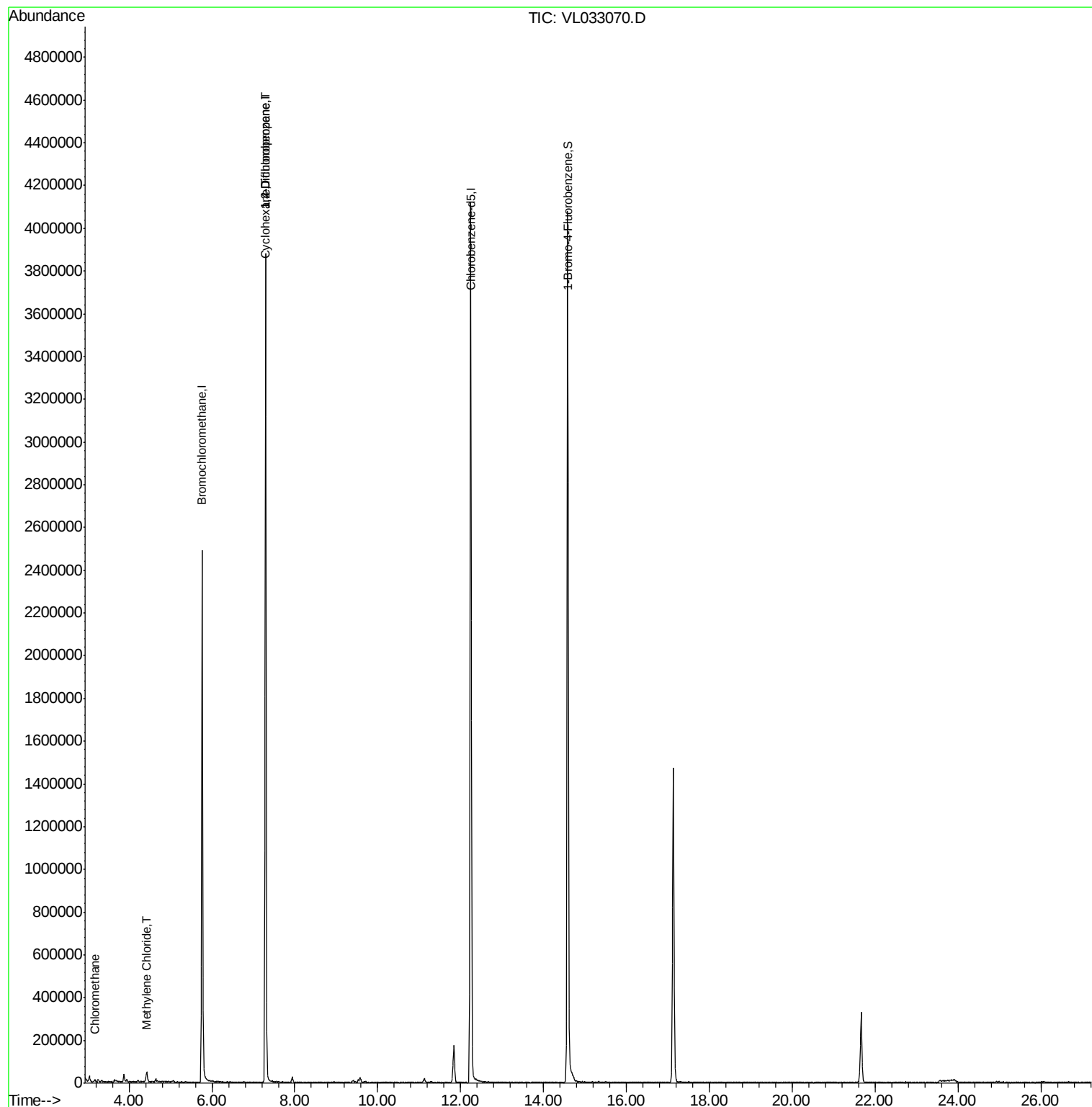
Target Compounds						Qvalue
4) Chloromethane	3.17	50	5944	0.085	ppbv	94
20) Methylene Chloride	4.41	84	5967	0.096	ppbv #	76
30) Cyclohexane	7.28	84	3875	0.044	ppbv #	2
39) 1,2-Dichloropropane	7.29	63	671878	8.111	ppbv #	23

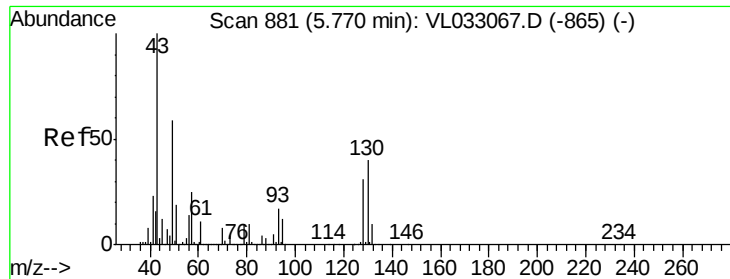
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jan 04 16:09:05 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.00 min

Lab File: VL033070.D

Acq: 4 Jan 2019 16:28

Instrument :

MSVOA_L

ClientSampleId :

VL0104ABL01

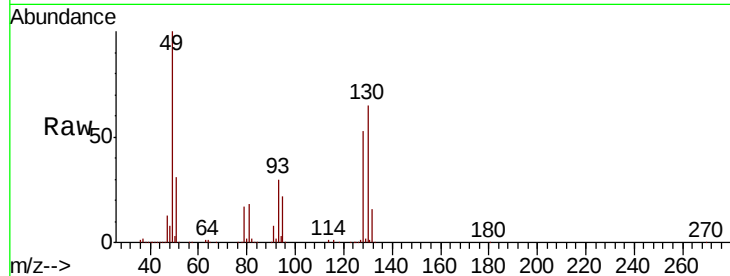
Tgt Ion: 49 Resp: 1080636

Ion Ratio Lower Upper

49 100

128 53.4 26.2 78.5

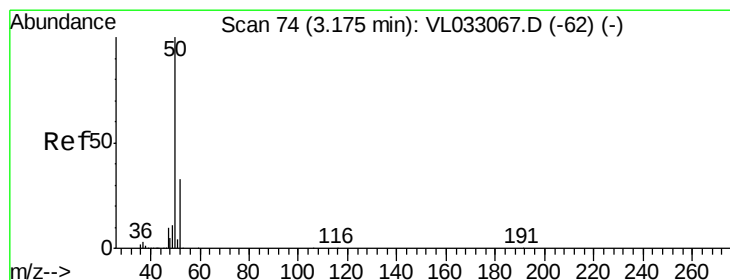
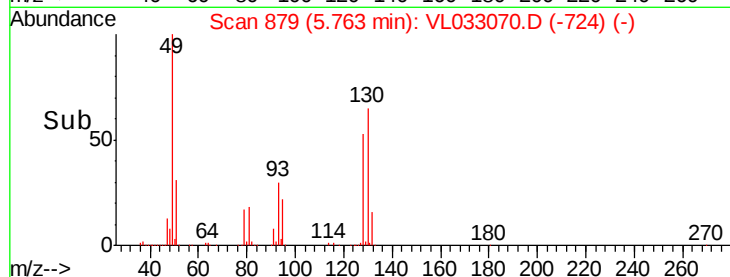
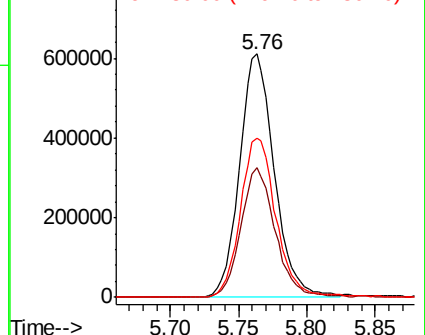
130 68.1 33.6 100.6



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



#4

Chloromethane

Concen: 0.085 ppbv

RT: 3.17 min Scan# 74

Delta R.T. 0.00 min

Lab File: VL033070.D

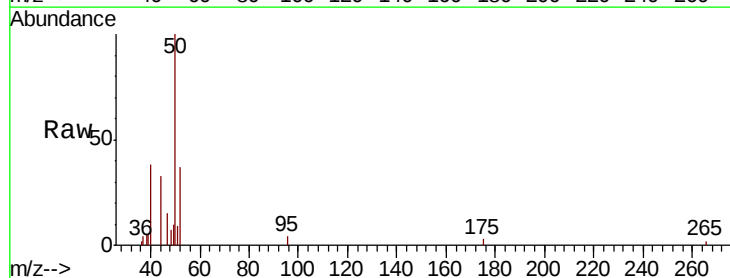
Acq: 4 Jan 2019 16:28

Tgt Ion: 50 Resp: 5944

Ion Ratio Lower Upper

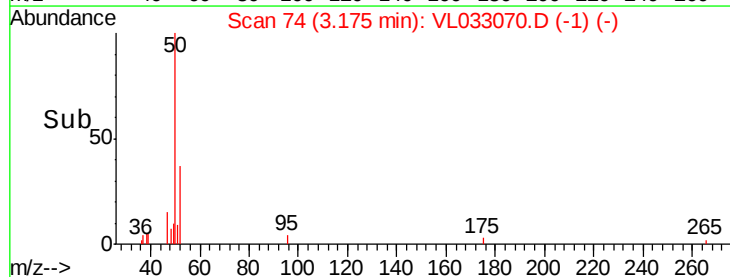
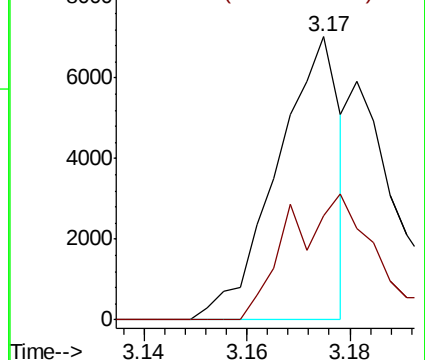
50 100

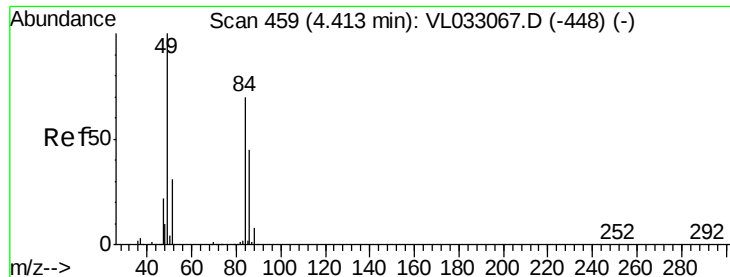
52 36.8 26.9 40.3



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

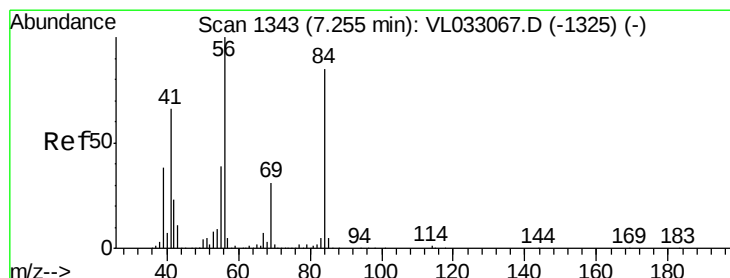
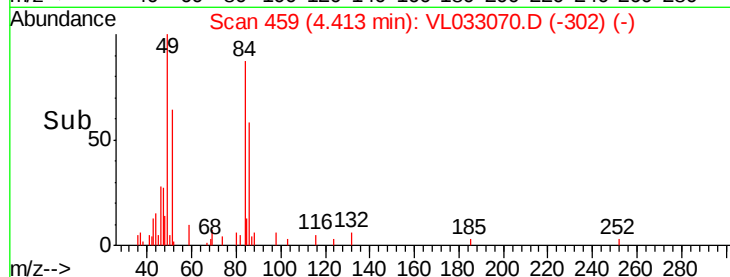
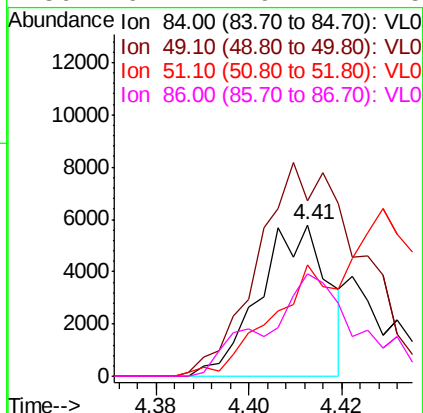
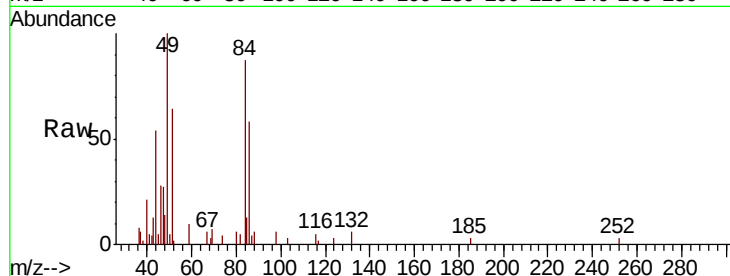




#20
Methylene Chloride
Concen: 0.096 ppbv
RT: 4.41 min Scan# 459
Delta R.T. 0.00 min
Lab File: VL033070.D
Acq: 4 Jan 2019 16:28

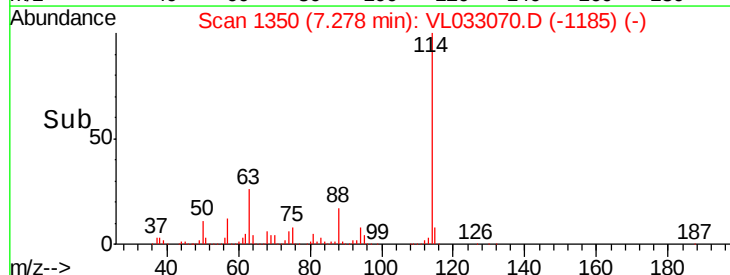
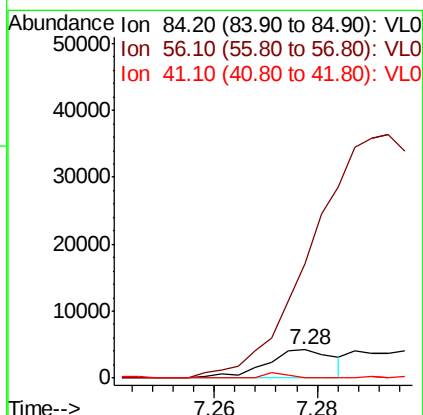
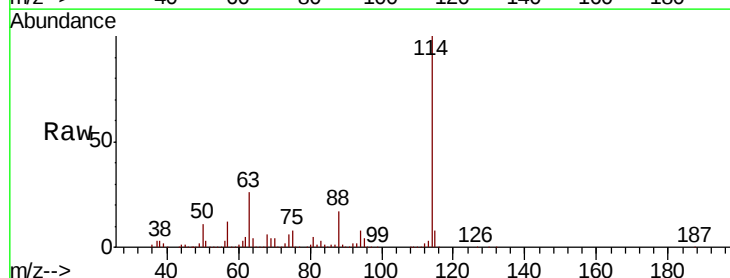
Instrument :
MSVOA_L
ClientSampleId :
VL0104ABL01

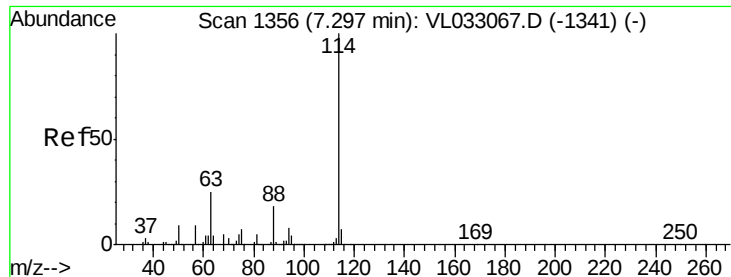
Tgt Ion: 84 Resp: 5967
Ion Ratio Lower Upper
84 100
49 113.0 115.8 173.6#
51 71.2 35.7 53.5#
86 67.4 49.7 74.5



#30
Cyclohexane
Concen: 0.044 ppbv
RT: 7.28 min Scan# 1350
Delta R.T. 0.03 min
Lab File: VL033070.D
Acq: 4 Jan 2019 16:28

Tgt Ion: 84 Resp: 3875
Ion Ratio Lower Upper
84 100
56 0.0 101.8 152.6#
41 12.0 63.2 94.8#

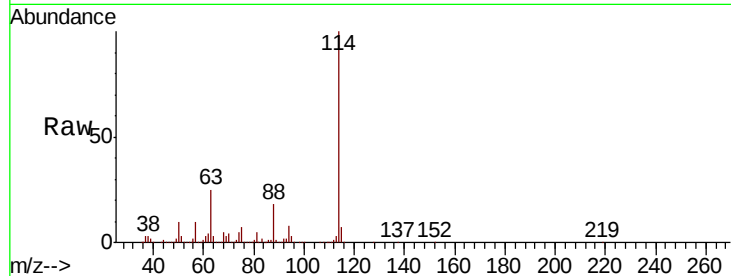




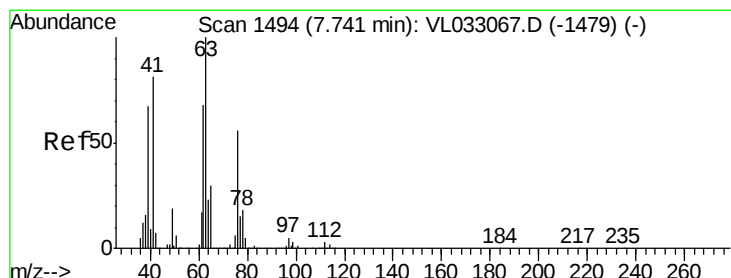
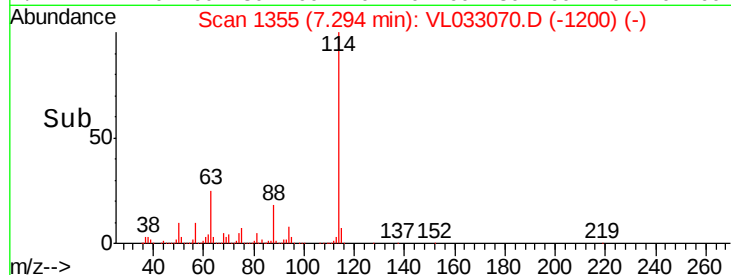
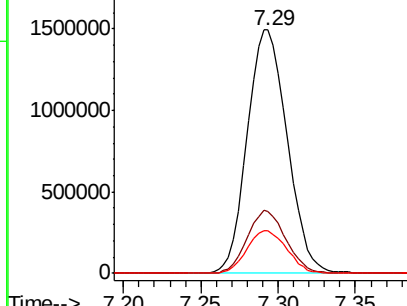
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. -0.00 min
 Lab File: VL033070.D
 Acq: 4 Jan 2019 16:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0104ABL01

Tgt Ion:114 Resp: 2691697
 Ion Ratio Lower Upper
 114 100
 63 25.2 20.1 30.1
 88 17.7 14.0 21.0

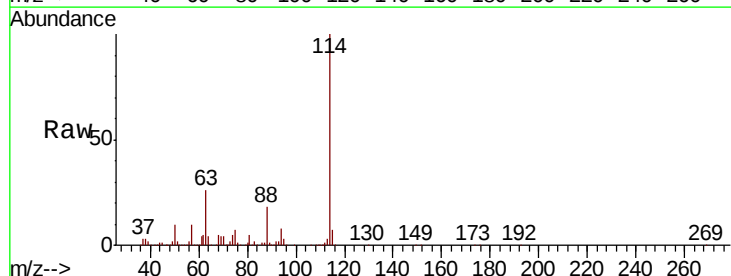


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

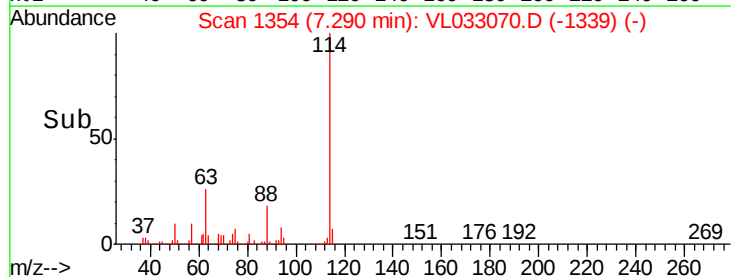
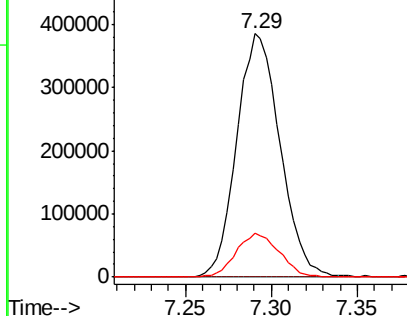


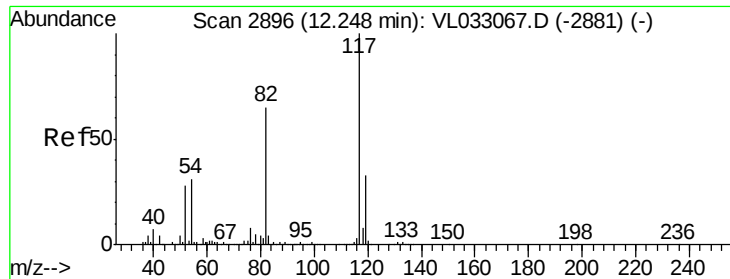
#39
 1,2-Dichloropropane
 Concen: 8.111 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.45 min
 Lab File: VL033070.D
 Acq: 4 Jan 2019 16:28

Tgt Ion: 63 Resp: 671878
 Ion Ratio Lower Upper
 63 100
 41 0.0 61.9 92.9#
 62 17.8 55.8 83.6#



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

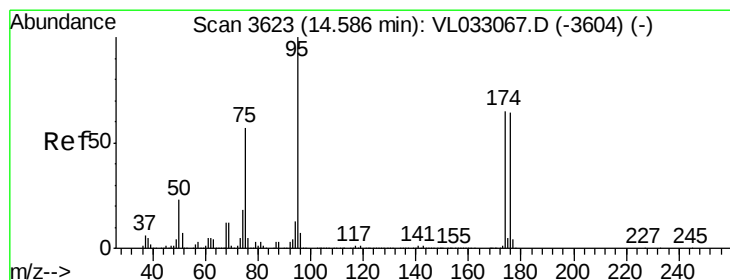
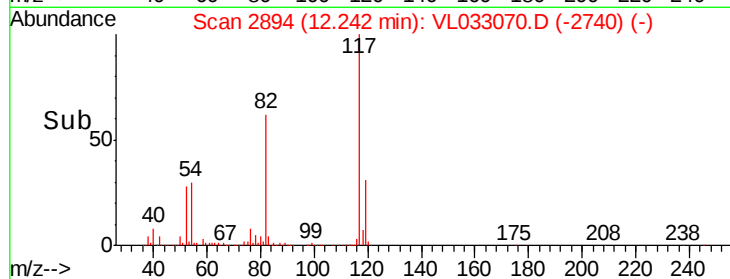
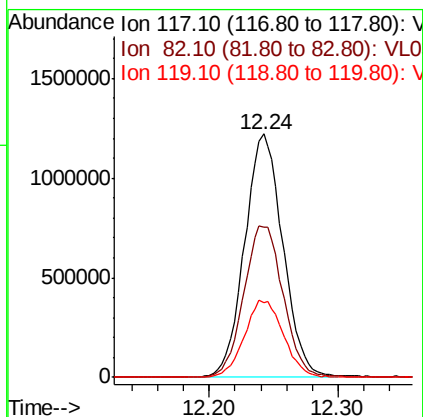
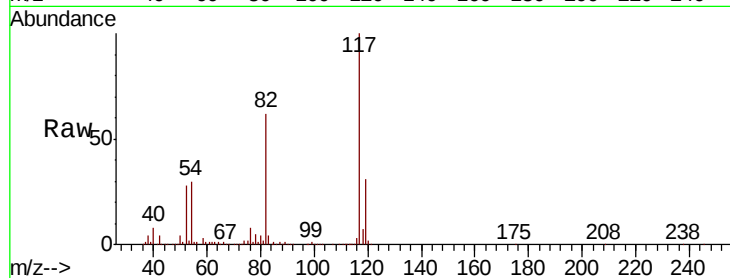




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.01 min
Lab File: VL033070.D
Acq: 4 Jan 2019 16:28

Instrument :
MSVOA_L
ClientSampleId :
VL0104ABL01

Tgt Ion: 117 Resp: 2524205
Ion Ratio Lower Upper
117 100
82 64.3 48.9 73.3
119 32.5 24.6 37.0



#68
1-Bromo-4-Fluorobenzene
Concen: 9.659 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. -0.00 min
Lab File: VL033070.D
Acq: 4 Jan 2019 16:28

Tgt Ion: 95 Resp: 1869026
Ion Ratio Lower Upper
95 100
174 65.4 51.9 77.9
175 4.8 3.9 5.9

