

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032019\
 Data File : VL033418.D
 Acq On : 21 Mar 2019 11:29
 Operator : SY/AP
 Sample : K1976-03DL2 800X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL2

Quant Time: Mar 21 12:44:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 15 14:52:14 2019
 QLast Update : Fri Mar 15 14:52:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	655279	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1675655	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1621656	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1226079	10.20	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.00%

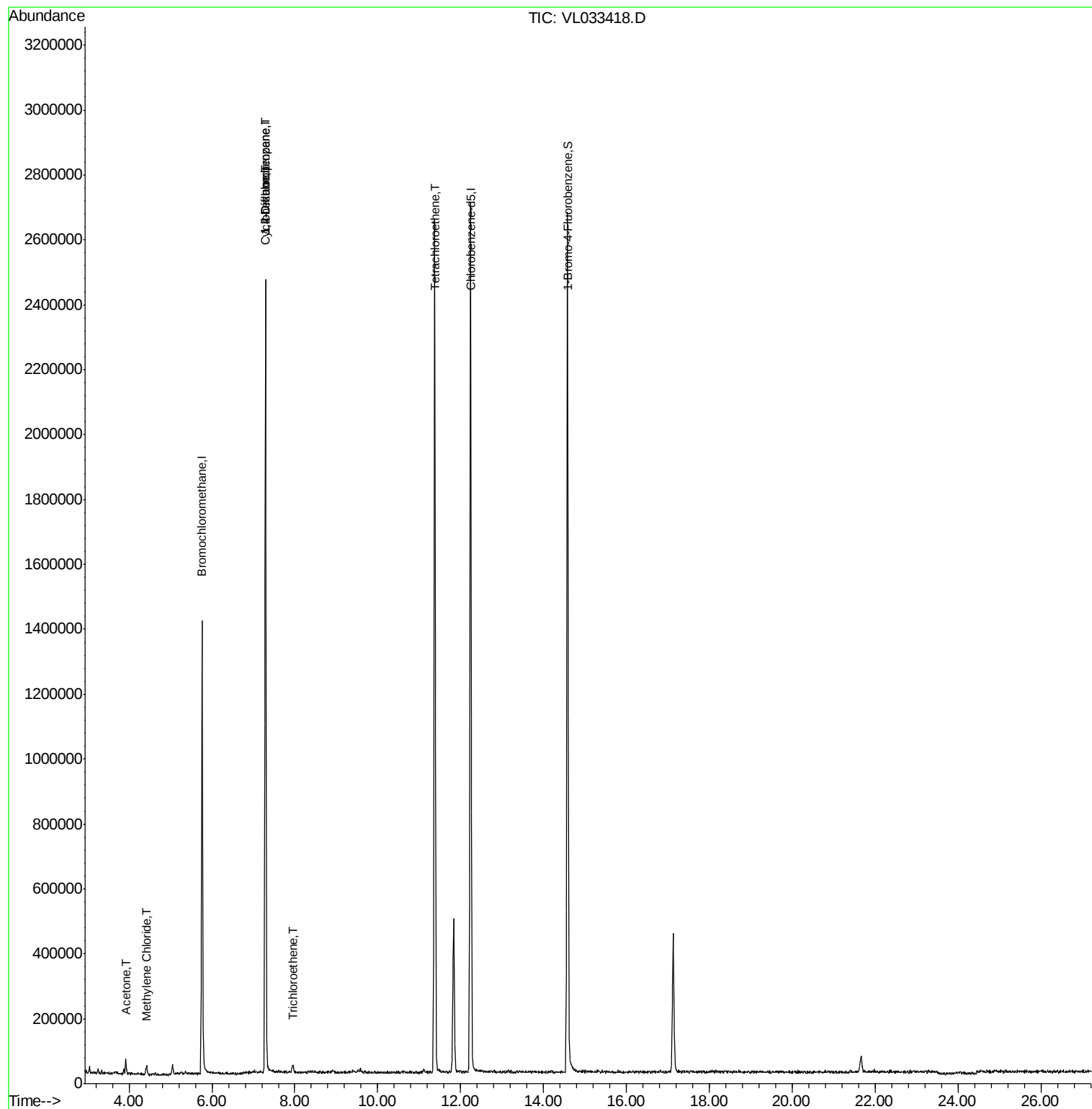
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Acetone	3.92	43	45105	0.443	ppbv	92
20) Methylene Chloride	4.41	84	4409	0.133	ppbv #	77
30) Cyclohexane	7.28	84	2396	0.045	ppbv #	1
38) Trichloroethene	7.96	130	2269	0.040	ppbv #	72
39) 1,2-Dichloropropane	7.29	63	447311	7.965	ppbv #	24
52) Tetrachloroethene	11.37	164	626878	10.034	ppbv	98

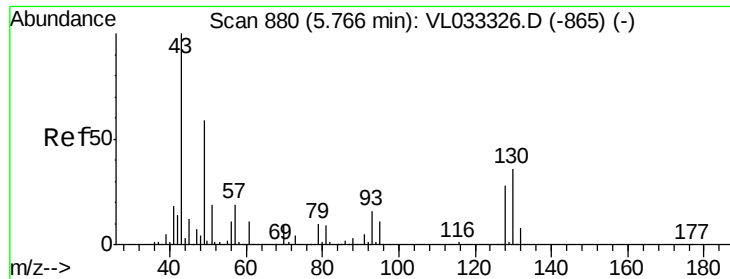
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.01 min

Lab File: VL033418.D

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Instrument :

MSVOA_L

ClientSampleID :

SV1DL2

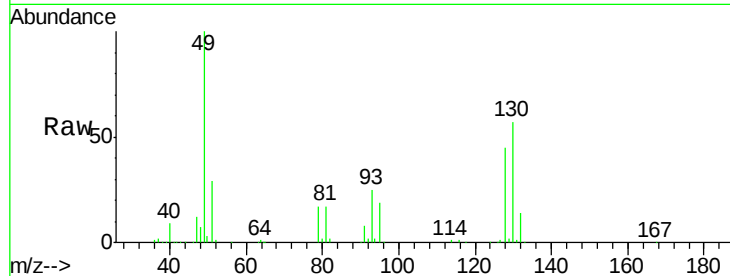
Tgt Ion: 49 Resp: 655279

Ion Ratio Lower Upper

49 100

128 48.2 23.5 70.6

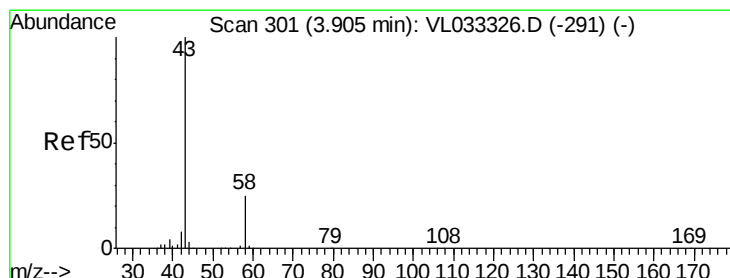
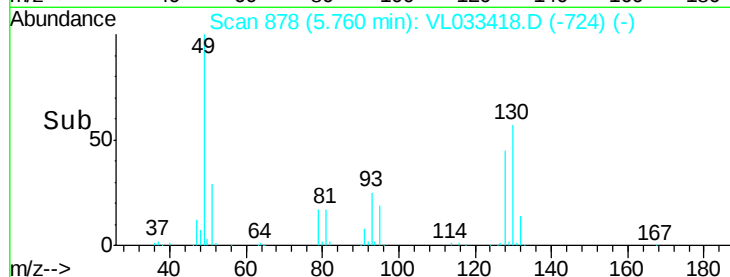
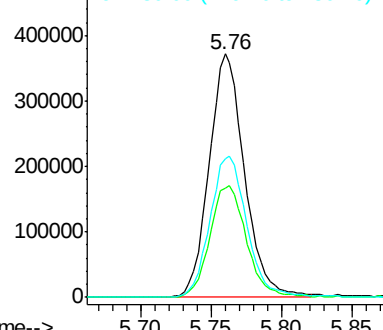
130 61.0 30.1 90.3



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



#15

Acetone

Concen: 0.443 ppbv

RT: 3.92 min Scan# 306

Delta R.T. 0.02 min

Lab File: VL033418.D

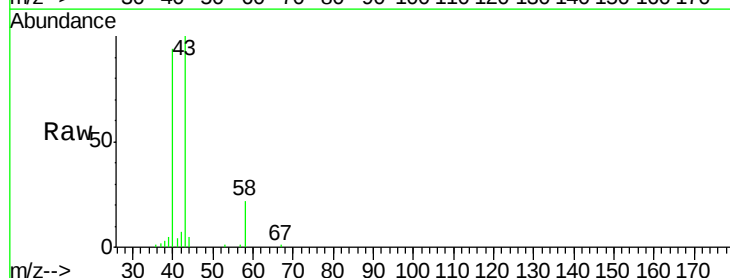
Acq: 21 Mar 2019 11:29

Tgt Ion: 43 Resp: 45105

Ion Ratio Lower Upper

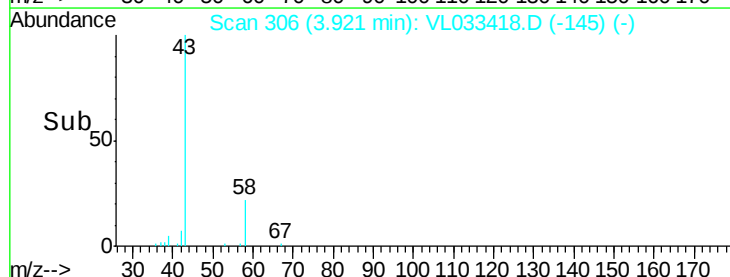
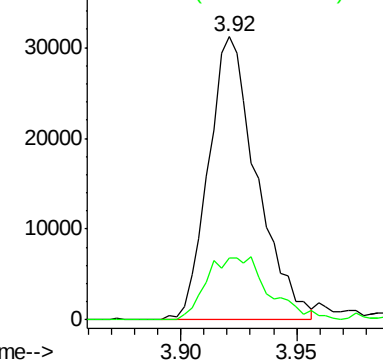
43 100

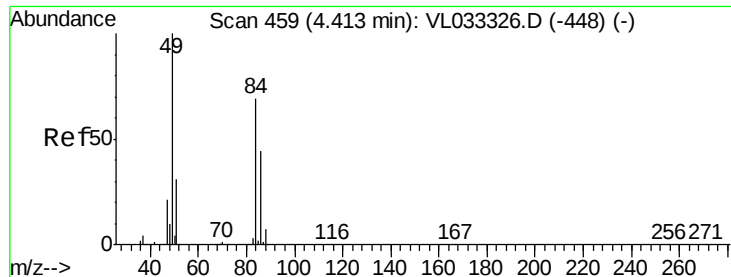
58 29.4 20.4 30.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

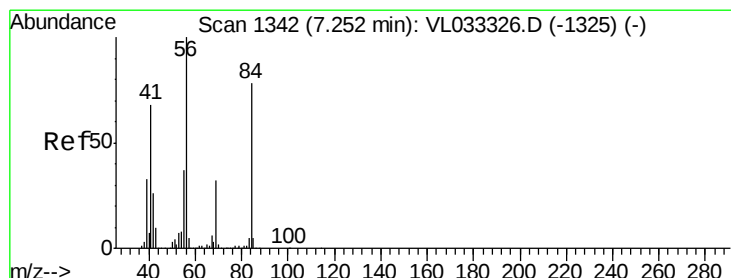
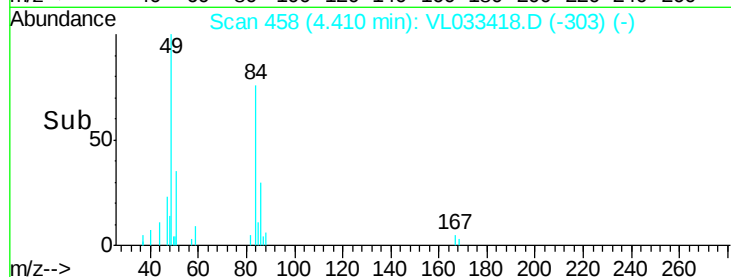
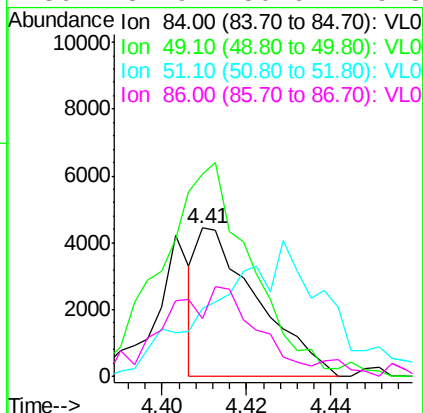
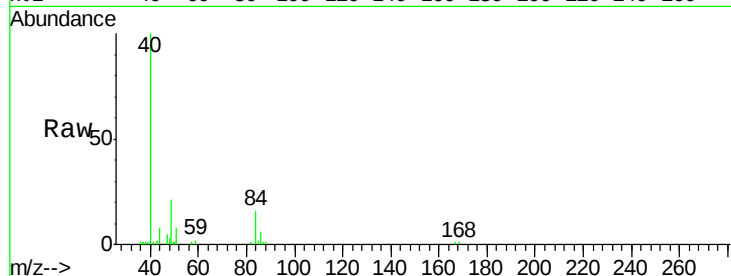




#20
Methylene Chloride
Concen: 0.133 ppbv
RT: 4.41 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL033418.D
Acq: 21 Mar 2019 11:29

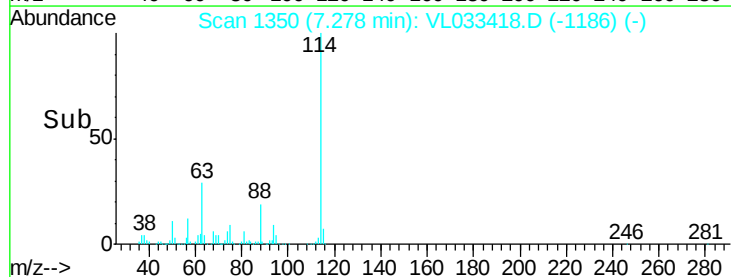
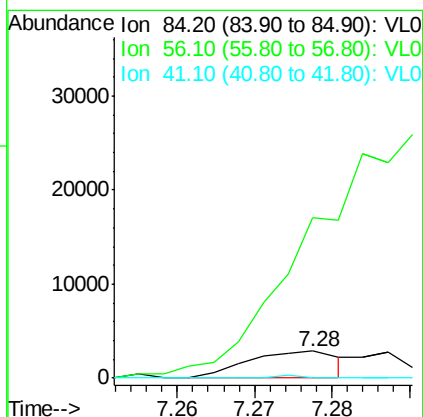
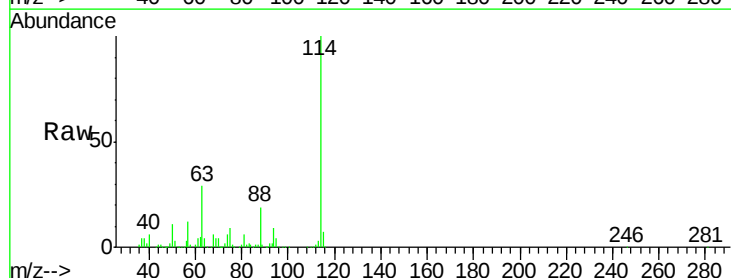
Instrument :
MSVOA_L
ClientSampleId :
SV1DL2

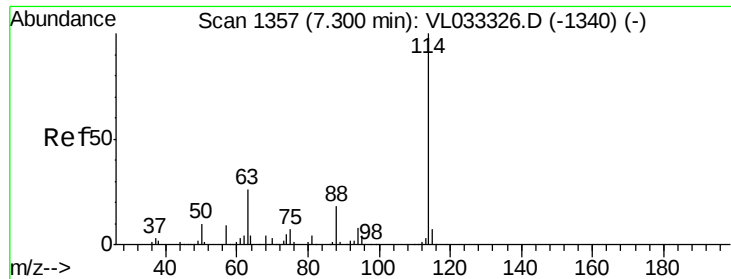
Tgt Ion: 84 Resp: 4409
Ion Ratio Lower Upper
84 100
49 131.7 115.4 173.0
51 15.6 35.8 53.6#
86 32.9 50.6 75.8#



#30
Cyclohexane
Concen: 0.045 ppbv
RT: 7.28 min Scan# 1350
Delta R.T. 0.03 min
Lab File: VL033418.D
Acq: 21 Mar 2019 11:29

Tgt Ion: 84 Resp: 2396
Ion Ratio Lower Upper
84 100
56 0.0 111.3 166.9#
41 2.3 69.6 104.4#

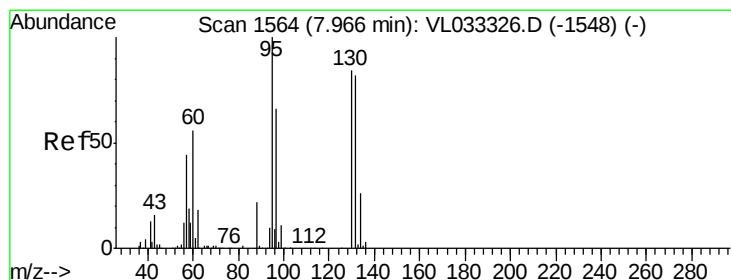
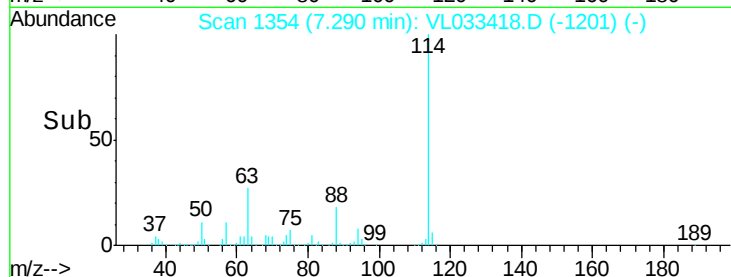
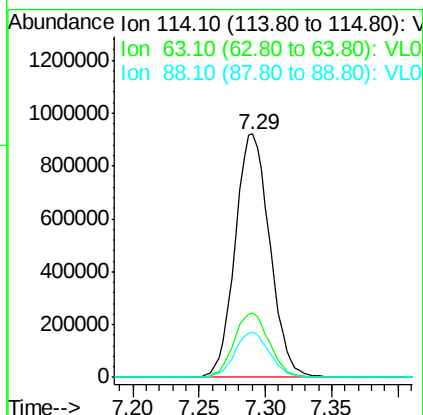
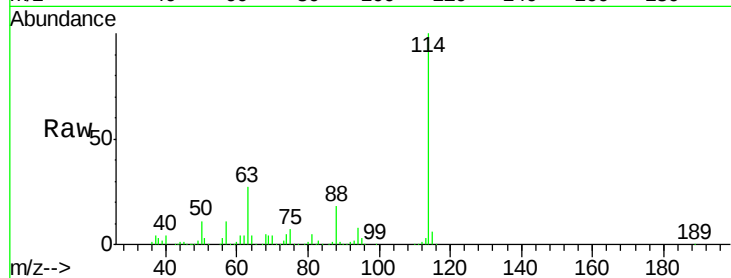




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.01 min
 Lab File: VL033418.D
 Acq: 21 Mar 2019 11:29

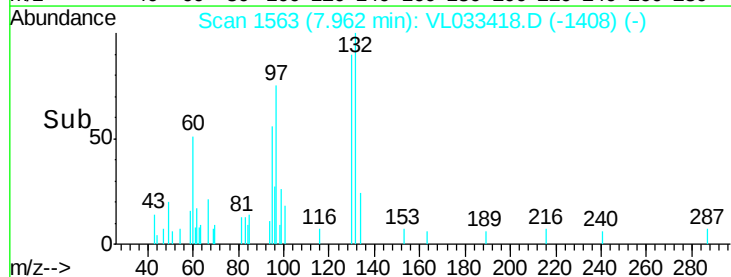
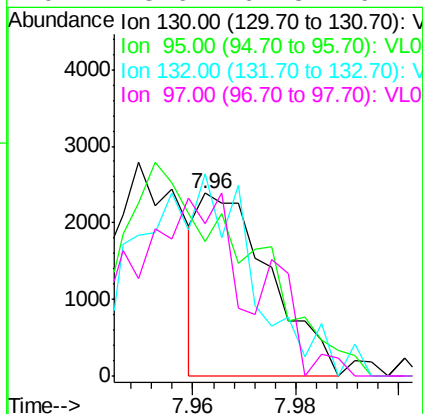
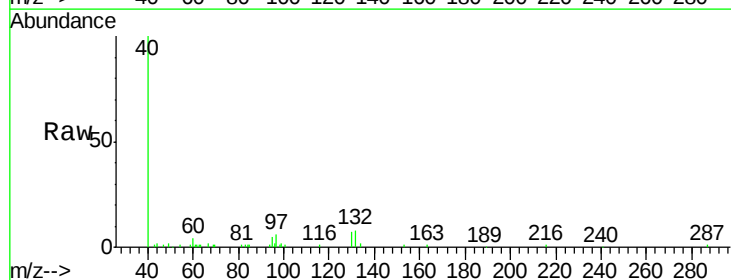
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL2

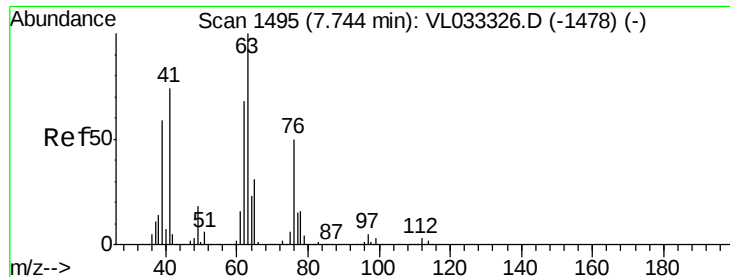
Tgt Ion:114 Resp: 1675655
 Ion Ratio Lower Upper
 114 100
 63 26.8 21.4 32.2
 88 18.3 14.5 21.7



#38
 Trichloroethene
 Concen: 0.040 ppbv
 RT: 7.96 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VL033418.D
 Acq: 21 Mar 2019 11:29

Tgt Ion:130 Resp: 2269
 Ion Ratio Lower Upper
 130 100
 95 59.4 95.2 142.8#
 132 110.9 77.7 116.5
 97 73.6 62.8 94.2

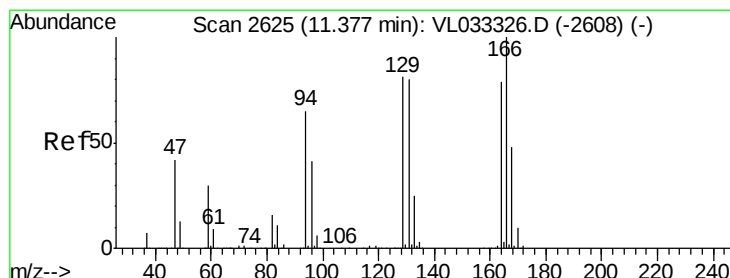
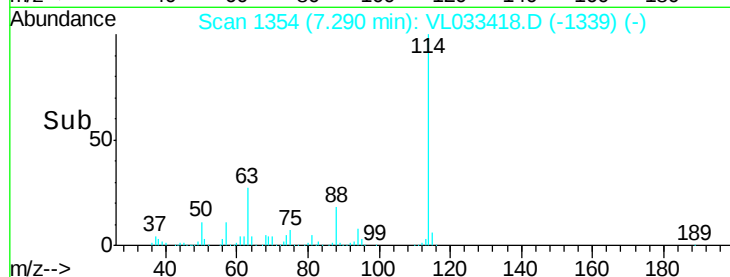
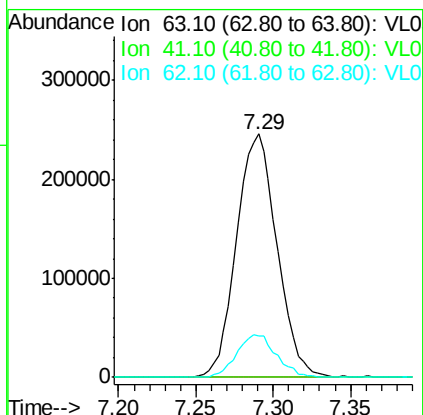
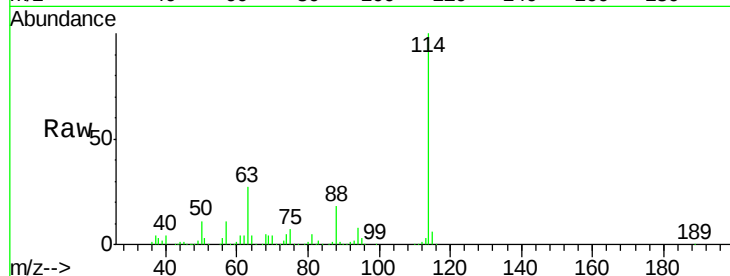




#39
 1,2-Dichloropropane
 Concen: 7.965 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.45 min
 Lab File: VL033418.D
 Acq: 21 Mar 2019 11:29

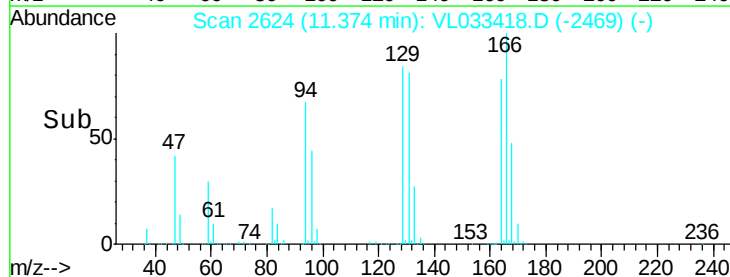
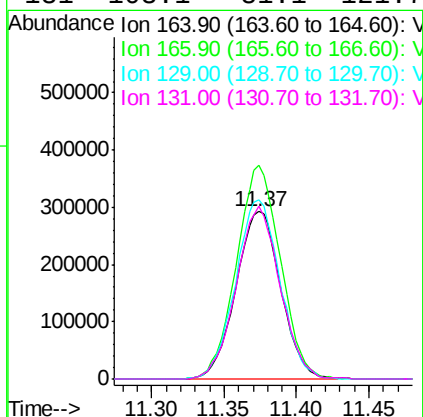
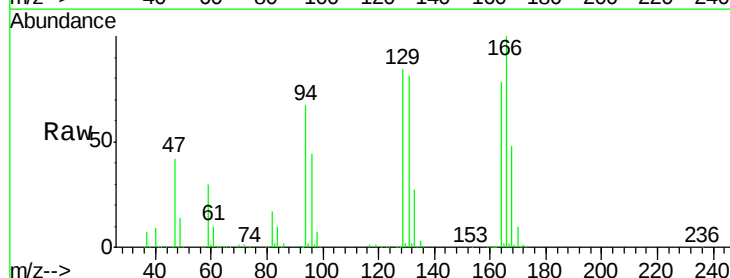
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL2

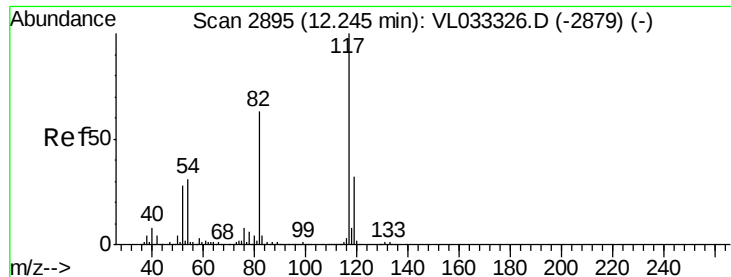
Tgt Ion: 63 Resp: 447311
 Ion Ratio Lower Upper
 63 100
 41 0.0 59.5 89.3#
 62 16.8 54.7 82.1#



#52
 Tetrachloroethene
 Concen: 10.034 ppbv
 RT: 11.37 min Scan# 2624
 Delta R.T. -0.00 min
 Lab File: VL033418.D
 Acq: 21 Mar 2019 11:29

Tgt Ion: 164 Resp: 626878
 Ion Ratio Lower Upper
 164 100
 166 127.0 101.5 152.3
 129 109.1 82.2 123.2
 131 103.1 81.1 121.7

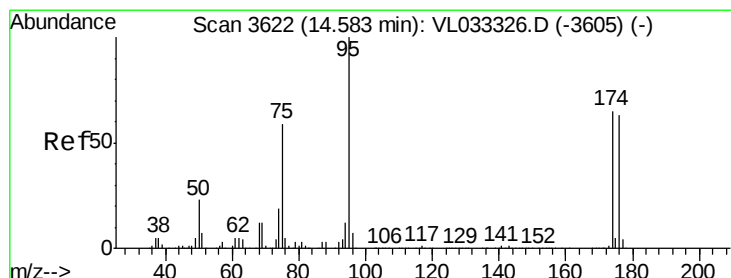
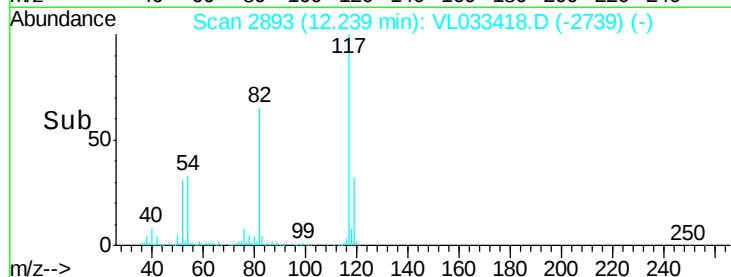
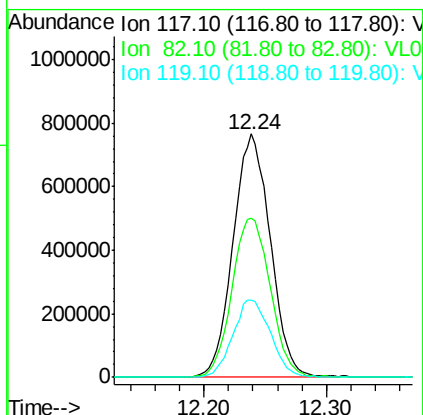
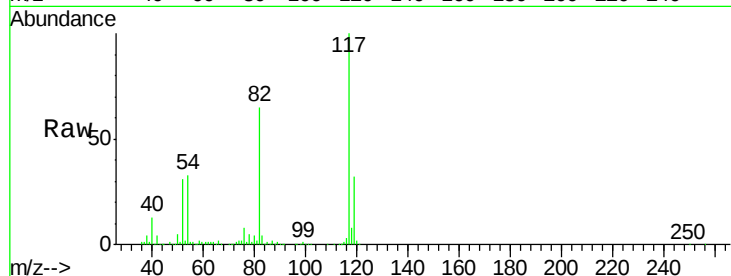




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL033418.D
Acq: 21 Mar 2019 11:29

Instrument :
MSVOA_L
ClientSampleId :
SV1DL2

Tgt Ion: 117 Resp: 1621656
Ion Ratio Lower Upper
117 100
82 67.8 53.4 80.2
119 32.2 27.3 40.9



#68
1-Bromo-4-Fluorobenzene
Concen: 10.203 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.01 min
Lab File: VL033418.D
Acq: 21 Mar 2019 11:29

Tgt Ion: 95 Resp: 1226079
Ion Ratio Lower Upper
95 100
174 64.6 51.5 77.3
175 4.7 3.8 5.6

