

Data File : VL033281.D
Acq On : 12 Mar 2019 12:31
Operator : SY/AP
Sample : VL0312ABL01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0312ABL01

Quant Time: Mar 13 07:50:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 13 07:17:55 2019
QLast Update : Wed Mar 13 07:17:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	908470	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2061313	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2076666	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1648310	10.28	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.80%

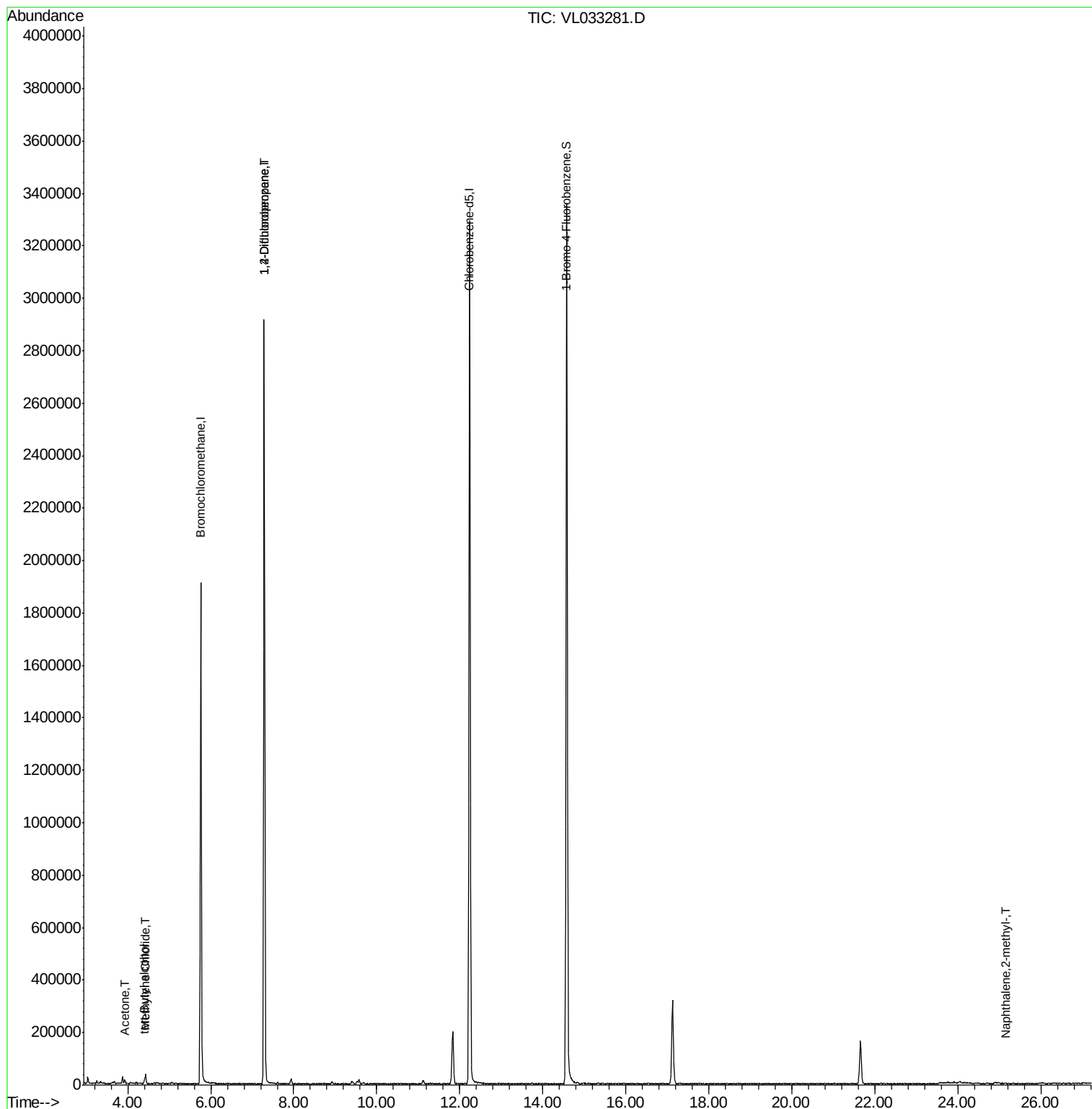
Target Compounds						Qvalue
15) Acetone	3.92	43	14701	0.105	ppbv	92
17) tert-Butyl alcohol	4.39	59	539	0.029	ppbv #	92
20) Methylene Chloride	4.42	84	4016	0.087	ppbv	91
39) 1,2-Dichloropropane	7.29	63	553075	7.731	ppbv #	24
80) Naphthalene,2-methyl-	25.15	142	1844	0.026	ppbv #	41

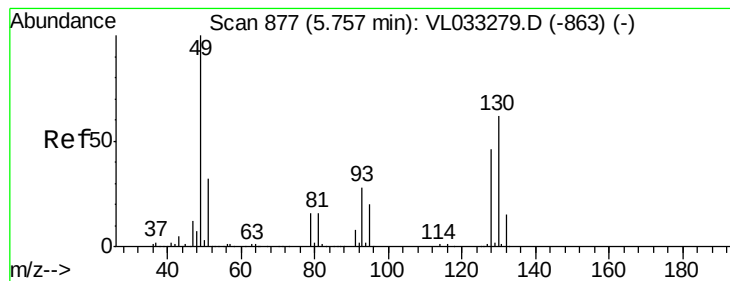
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

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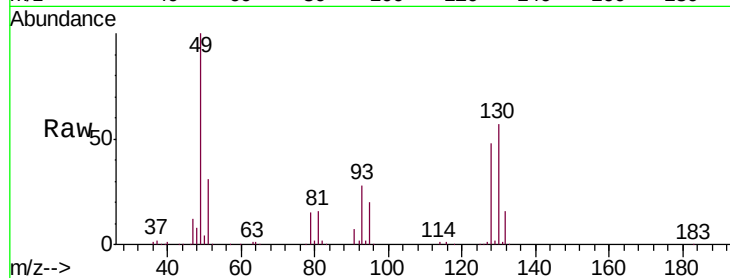
Tgt Ion: 49 Resp: 908470

Ion Ratio Lower Upper

49 100

128 47.4 23.3 69.9

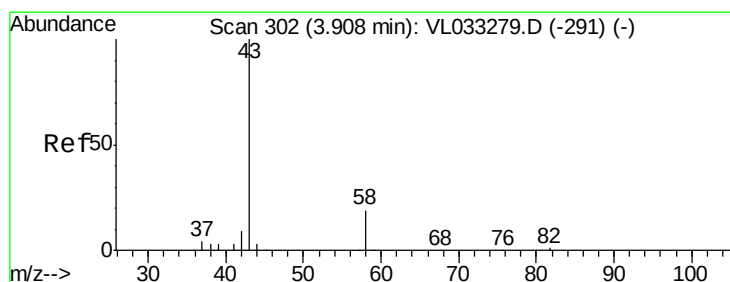
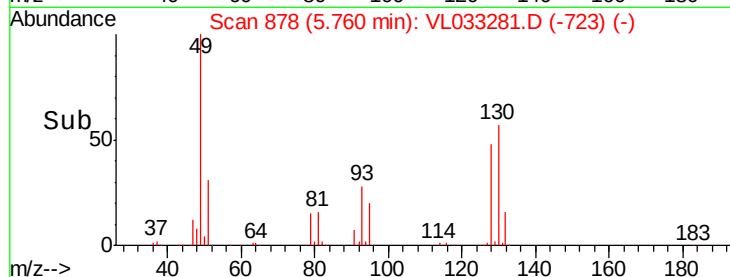
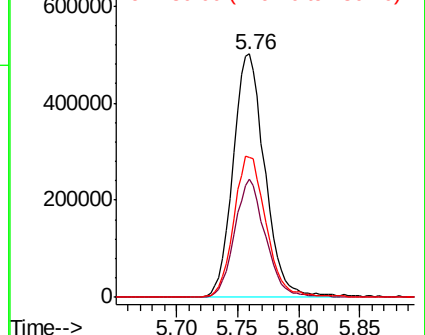
130 59.2 30.0 90.1



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: 0.105 ppbv

RT: 3.92 min Scan# 307

Delta R.T. 0.02 min

Lab File: VL033281.D

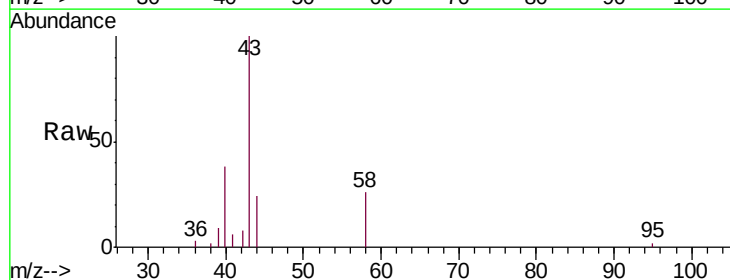
Acq: 12 Mar 2019 12:31

Tgt Ion: 43 Resp: 14701

Ion Ratio Lower Upper

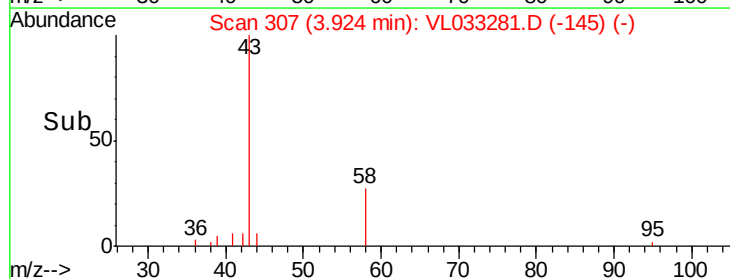
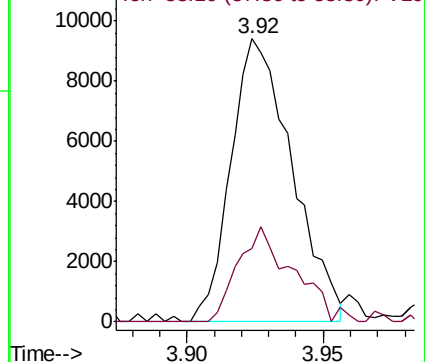
43 100

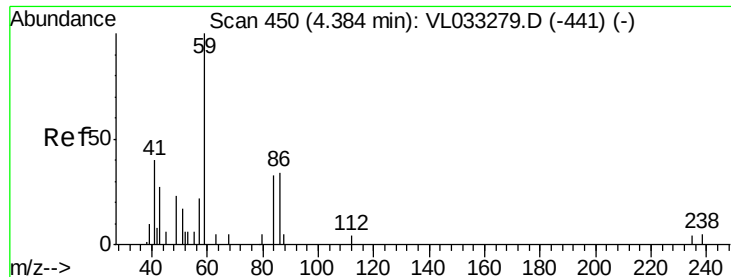
58 30.5 21.1 31.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#17

tert-Butyl alcohol

Concen: 0.029 ppbv

RT: 4.39 min Scan# 452

Delta R.T. 0.03 min

Lab File: VL033281.D

Acq: 12 Mar 2019 12:31

Instrument :

MSVOA_L

ClientSampleId :

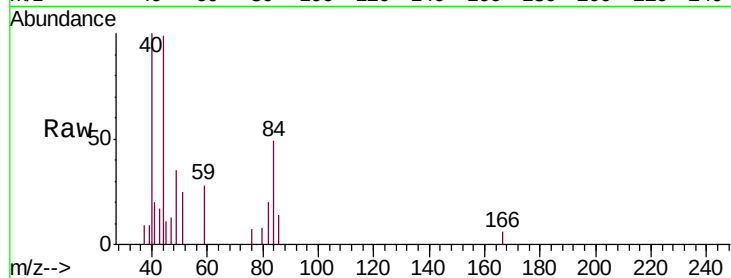
VL0312ABL01

Tgt Ion: 59 Resp: 539

Ion Ratio Lower Upper

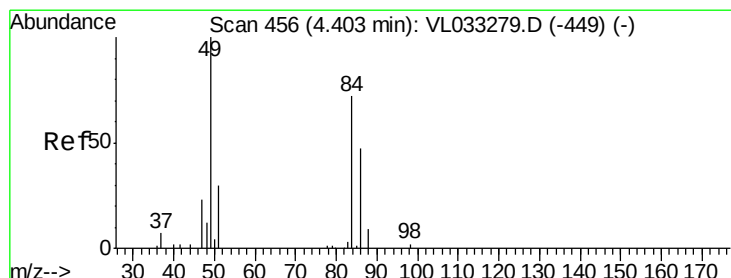
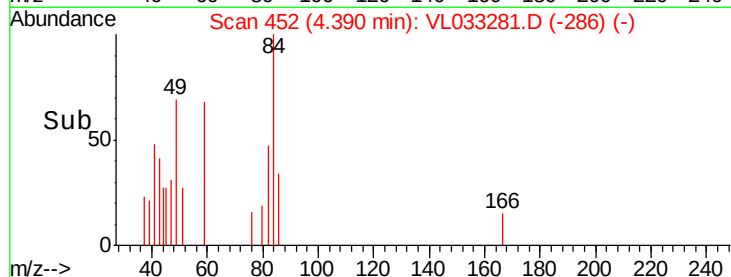
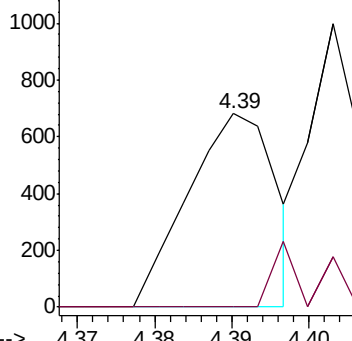
59 100

57 6.5 7.5 11.3#



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#20

Methylene Chloride

Concen: 0.087 ppbv

RT: 4.42 min Scan# 460

Delta R.T. 0.01 min

Lab File: VL033281.D

Acq: 12 Mar 2019 12:31

Tgt Ion: 84 Resp: 4016

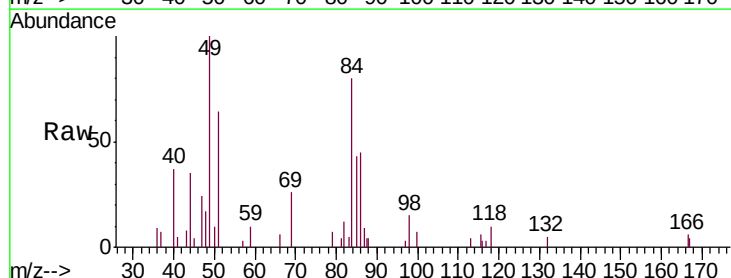
Ion Ratio Lower Upper

84 100

49 138.4 120.3 180.5

51 43.2 36.2 54.4

86 55.6 52.5 78.7

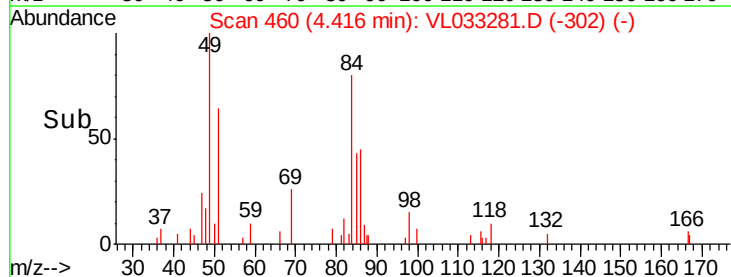
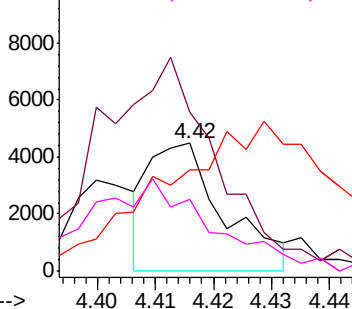


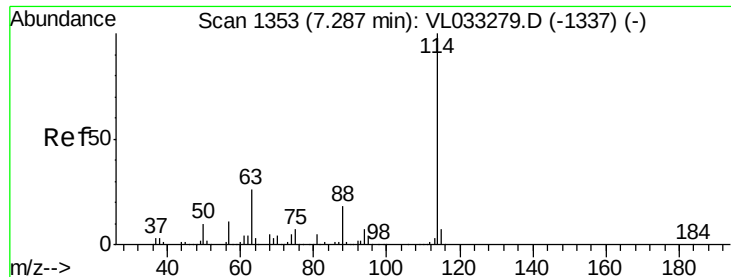
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

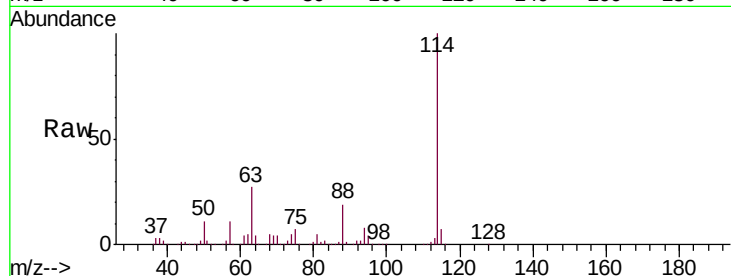




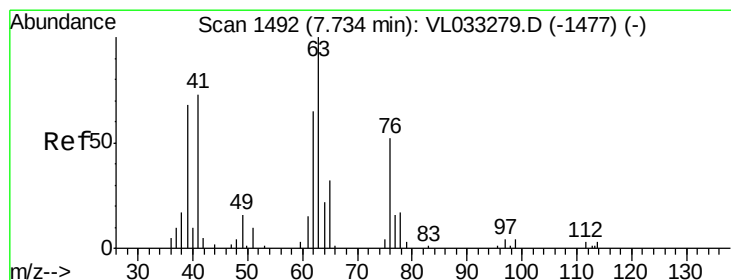
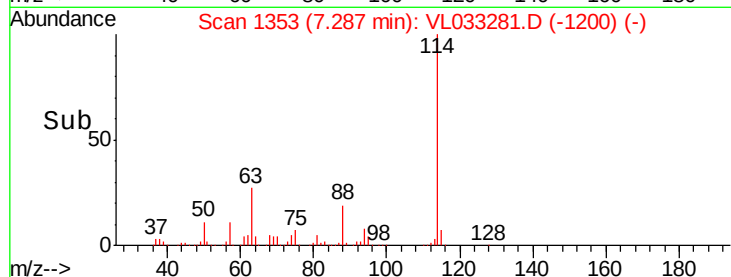
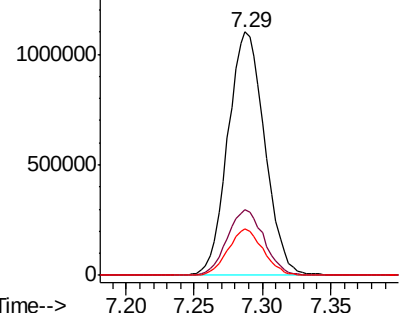
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033281.D
 Acq: 12 Mar 2019 12:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0312ABL01

Tgt Ion: 114 Resp: 2061313
 Ion Ratio Lower Upper
 114 100
 63 27.0 21.5 32.3
 88 18.4 14.6 22.0

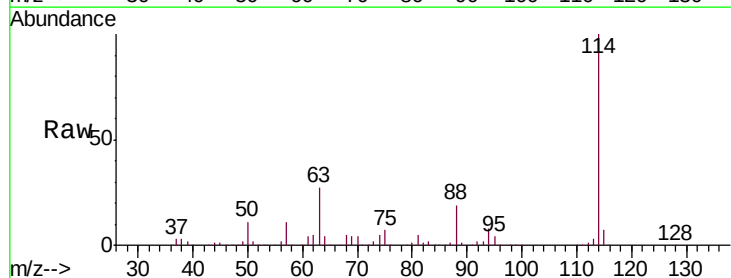


Abundance Ion 114.10 (113.80 to 114.80): VL0
 1500000 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

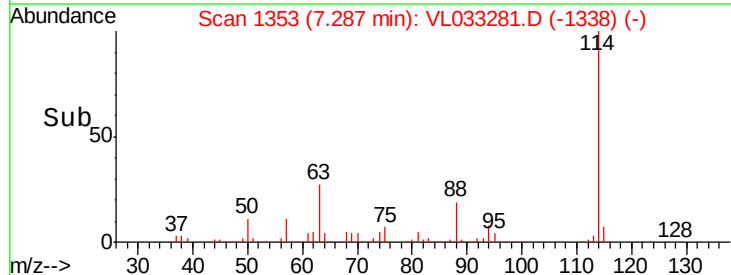
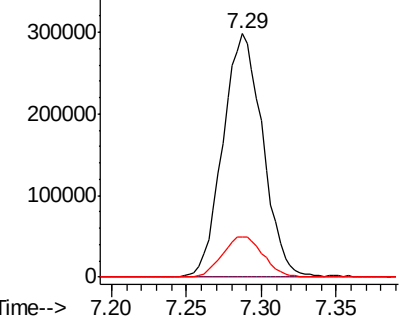


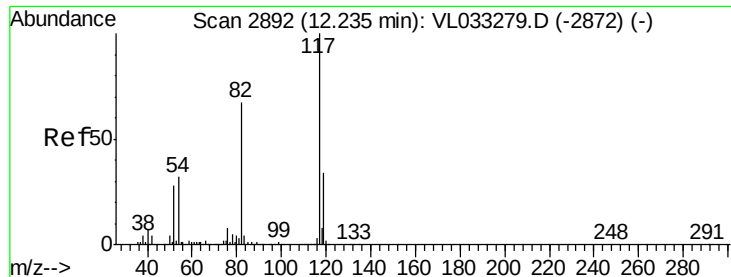
#39
 1,2-Dichloropropane
 Concen: 7.731 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.45 min
 Lab File: VL033281.D
 Acq: 12 Mar 2019 12:31

Tgt Ion: 63 Resp: 553075
 Ion Ratio Lower Upper
 63 100
 41 0.0 58.3 87.5#
 62 16.6 55.3 82.9#



Abundance Ion 63.10 (62.80 to 63.80): VL0
 400000 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

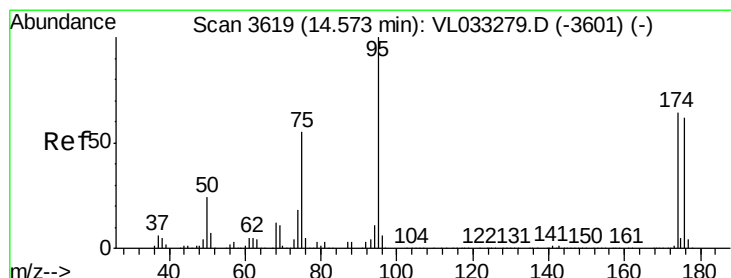
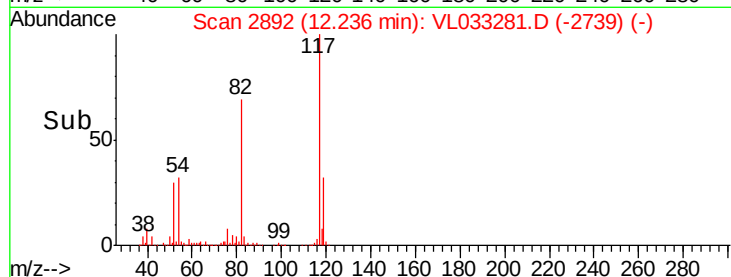
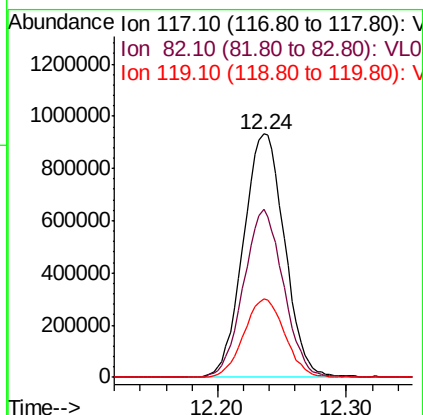
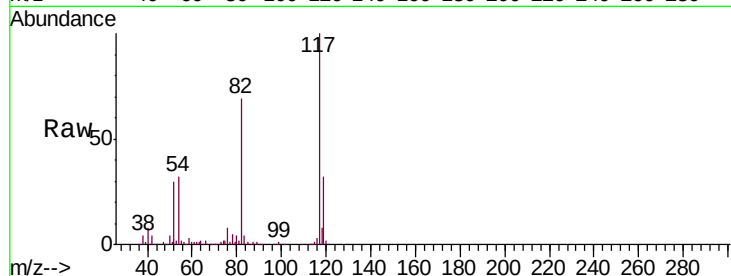




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033281.D
Acq: 12 Mar 2019 12:31

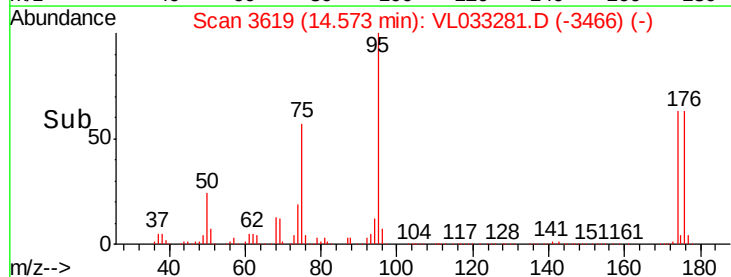
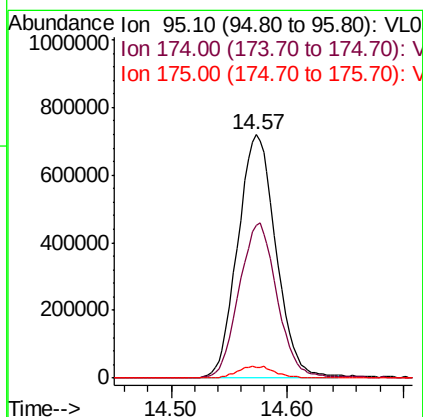
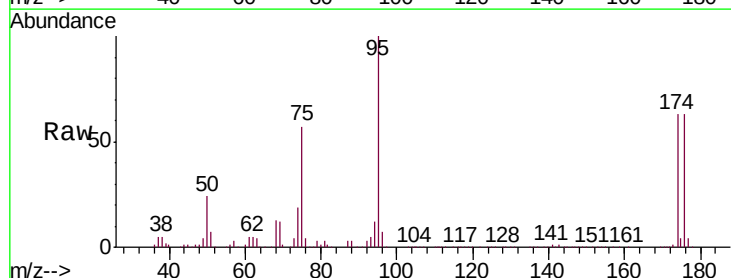
Instrument :
MSVOA_L
ClientSampleId :
VL0312ABL01

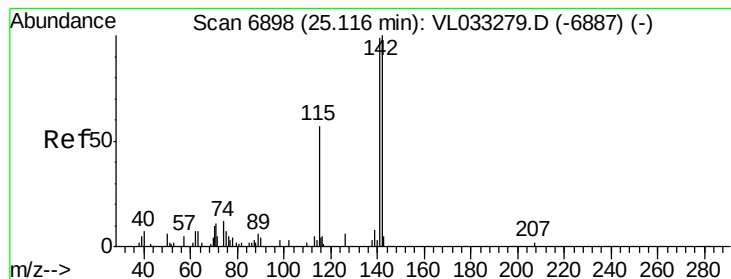
Tgt Ion: 117 Resp: 2076666
Ion Ratio Lower Upper
117 100
82 67.2 51.1 76.7
119 32.1 43.6 65.4#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.278 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.01 min
Lab File: VL033281.D
Acq: 12 Mar 2019 12:31

Tgt Ion: 95 Resp: 1648310
Ion Ratio Lower Upper
95 100
174 64.1 51.7 77.5
175 4.9 3.7 5.5





#80

Naphthalene, 2-methyl-

Concen: 0.026 ppbv

RT: 25.15 min Scan# 6910

Delta R.T. 0.04 min

Lab File: VL033281.D

Acq: 12 Mar 2019 12:31

Instrument :

MSVOA_L

ClientSampleId :

VL0312ABL01

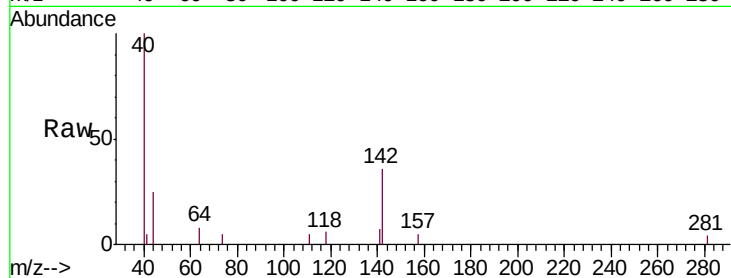
Tgt Ion:142 Resp: 1844

Ion Ratio Lower Upper

142 100

141 30.9 68.0 102.0#

115 4.7 33.8 50.6#



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

