

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL010419\
 Data File : VL033083.D
 Acq On : 5 Jan 2019 1:02
 Operator : SY/AP
 Sample : QC010319 CAN 10716
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC010319 CAN 10716

Quant Time: Jan 05 01:52:58 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	5.77	49	996234	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2327261	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2384234	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1837307	10.05	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.50%

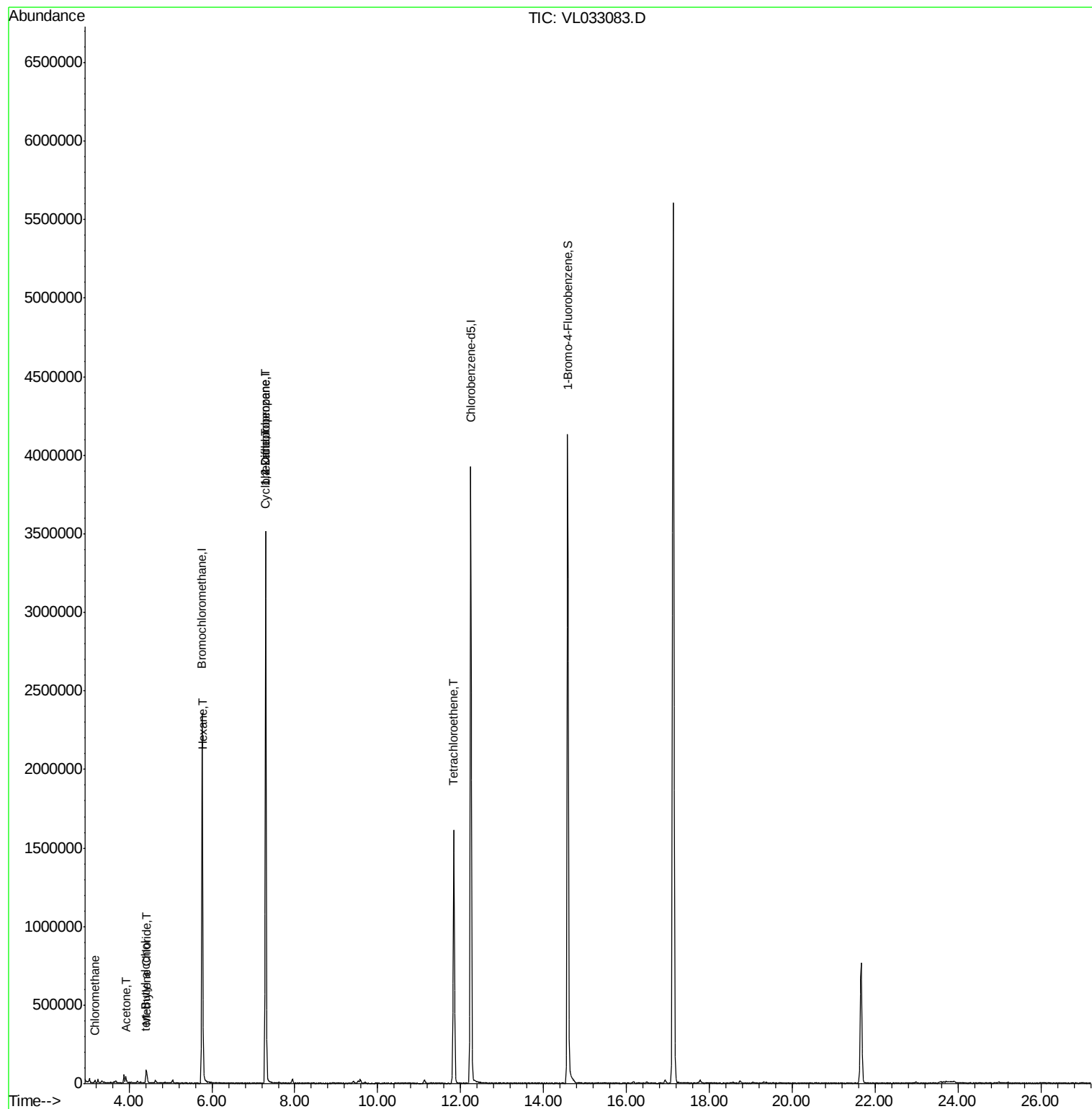
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	3.17	50	10576	0.164	ppbv	89
15) Acetone	3.92	43	39332	0.285	ppbv #	85
17) tert-Butyl alcohol	4.39	59	1256	0.043	ppbv #	74
20) Methylene Chloride	4.41	84	22702	0.395	ppbv #	86
26) Hexane	5.78	57	7983	0.073	ppbv #	39
30) Cyclohexane	7.28	84	3173	0.039	ppbv #	1
39) 1,2-Dichloropropane	7.29	63	599712	8.374	ppbv #	23
52) Tetrachloroethene	11.83	164	5129	0.076	ppbv #	34

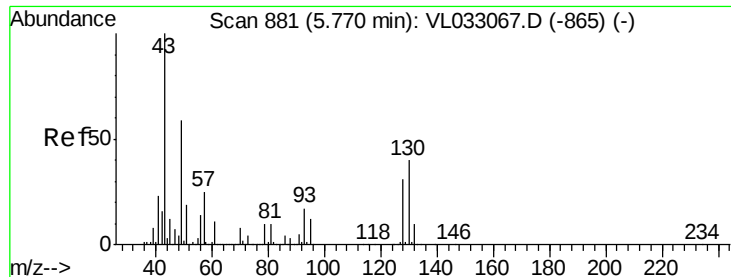
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL010419\
Data File : VL033083.D
Acq On : 5 Jan 2019 1:02
Operator : SY/AP
Sample : QC010319 CAN 10716
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC010319 CAN 10716

Quant Time: Jan 05 01:52:58 2019
Quant Method : Z:\V0ASRV\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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. 0.00 min

Lab File: VL033083.D

Acq: 5 Jan 2019 1:02

Instrument :

MSVOA_L

ClientSampleId :

QC010319 CAN 10716

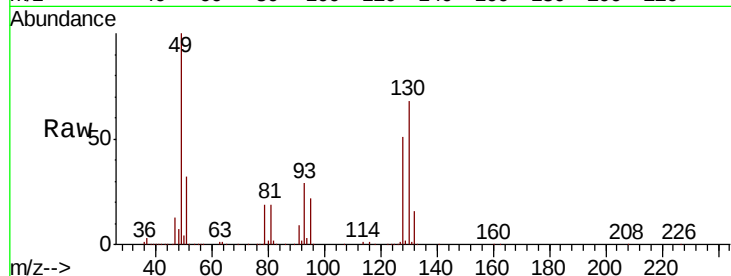
Tgt Ion: 49 Resp: 996234

Ion Ratio Lower Upper

49 100

128 53.1 26.2 78.5

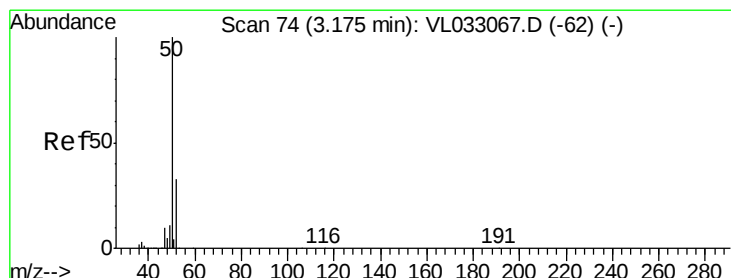
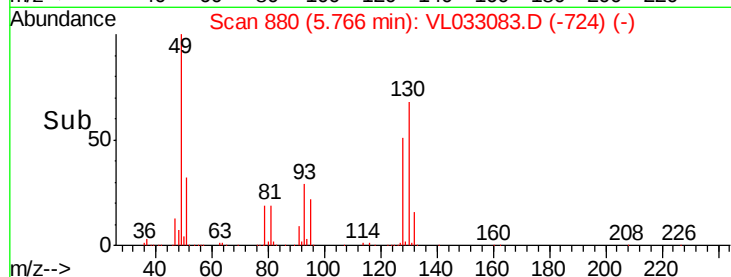
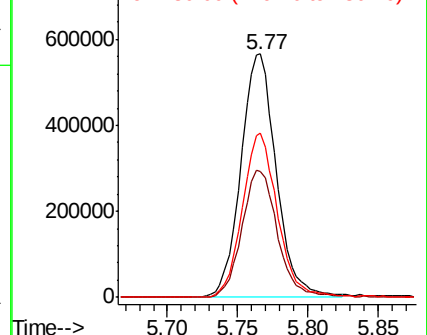
130 68.0 33.6 100.6



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: 0.164 ppbv

RT: 3.17 min Scan# 73

Delta R.T. 0.00 min

Lab File: VL033083.D

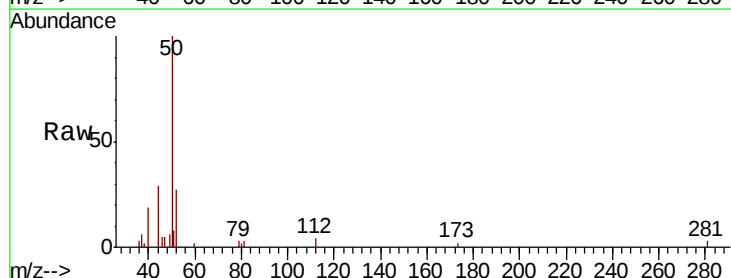
Acq: 5 Jan 2019 1:02

Tgt Ion: 50 Resp: 10576

Ion Ratio Lower Upper

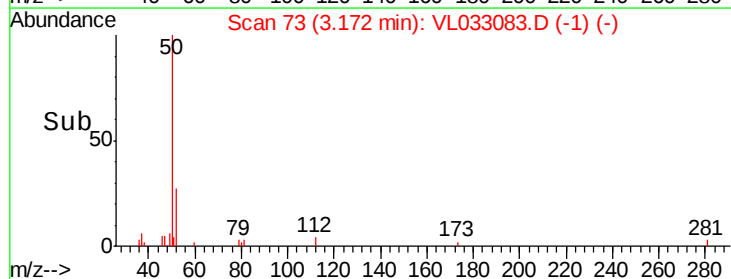
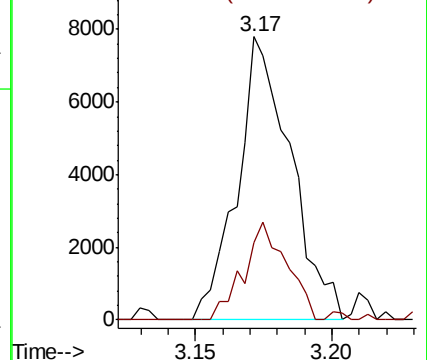
50 100

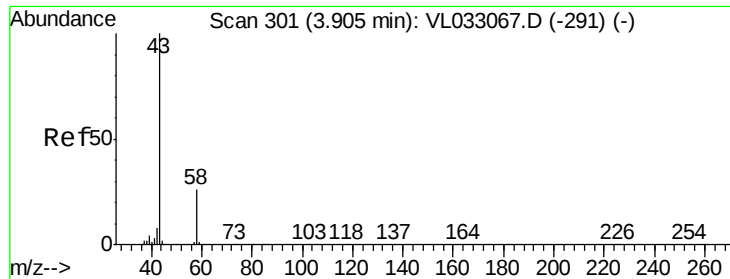
52 27.1 26.9 40.3



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#15

Acetone

Concen: 0.285 ppbv

RT: 3.92 min Scan# 307

Delta R.T. 0.02 min

Lab File: VL033083.D

Acq: 5 Jan 2019 1:02

Instrument :

MSVOA_L

ClientSampleId :

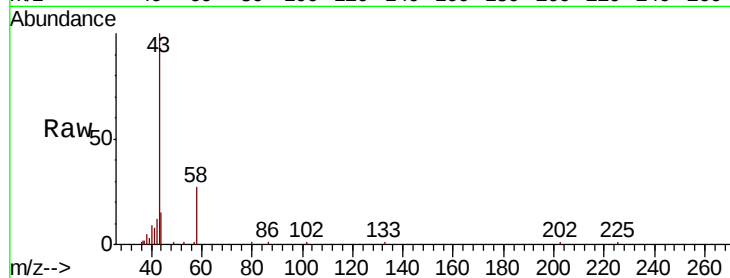
QC010319 CAN 10716

Tgt Ion: 43 Resp: 39332

Ion Ratio Lower Upper

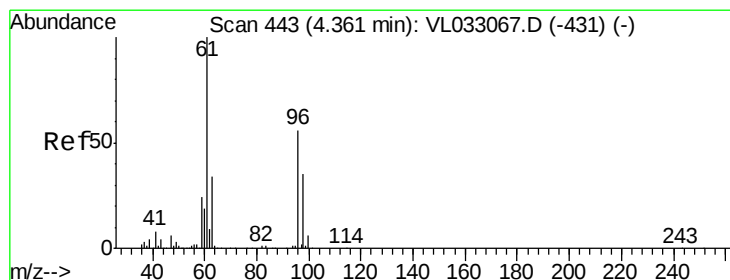
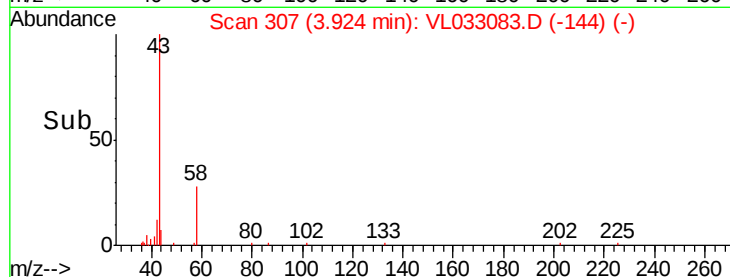
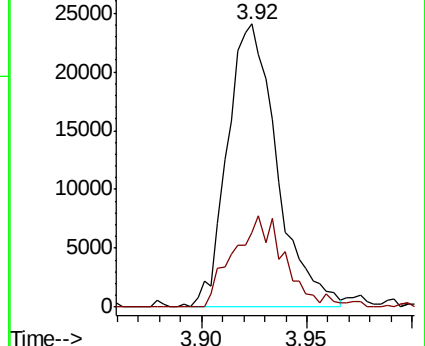
43 100

58 34.1 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: 0.043 ppbv

RT: 4.39 min Scan# 453

Delta R.T. 0.04 min

Lab File: VL033083.D

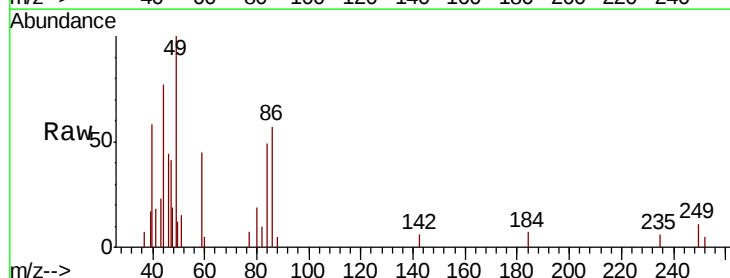
Acq: 5 Jan 2019 1:02

Tgt Ion: 59 Resp: 1256

Ion Ratio Lower Upper

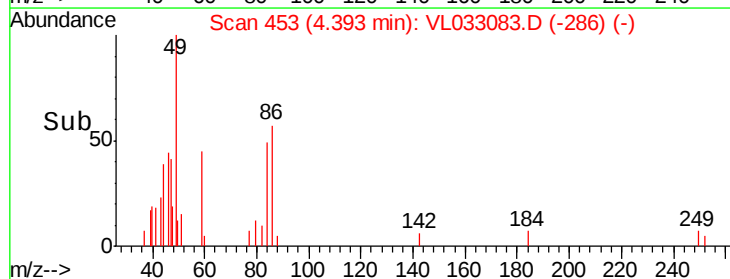
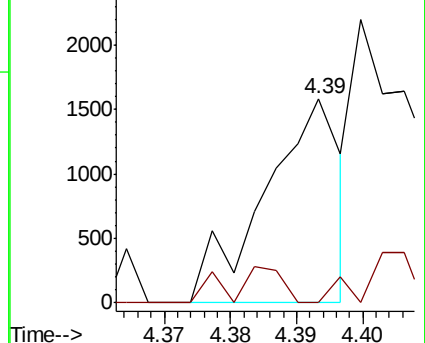
59 100

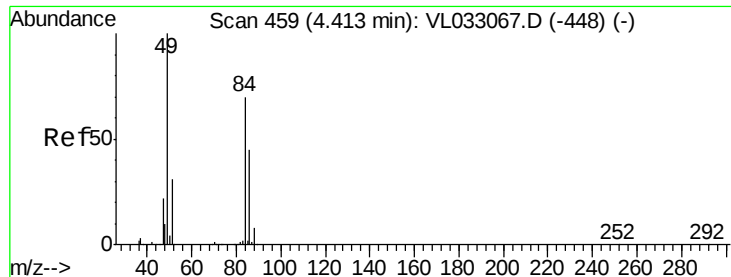
57 0.0 7.7 11.5#



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#20

Methylene Chloride

Concen: 0.395 ppbv

RT: 4.41 min Scan# 459

Delta R.T. 0.00 min

Lab File: VL033083.D

Acq: 5 Jan 2019 1:02

Instrument :

MSVOA_L

ClientSampleId :

QC010319 CAN 10716

Tgt Ion: 84 Resp: 22702

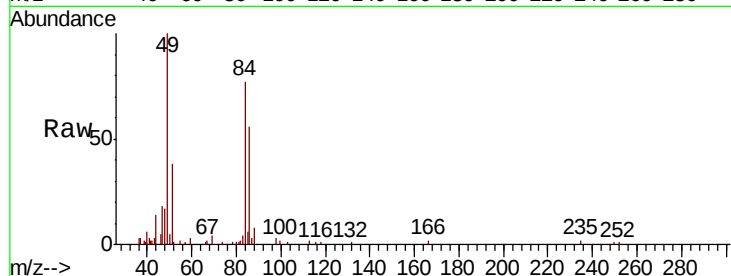
Ion Ratio Lower Upper

84 100

49 128.5 115.8 173.6

51 49.8 35.7 53.5

86 77.2 49.7 74.5#

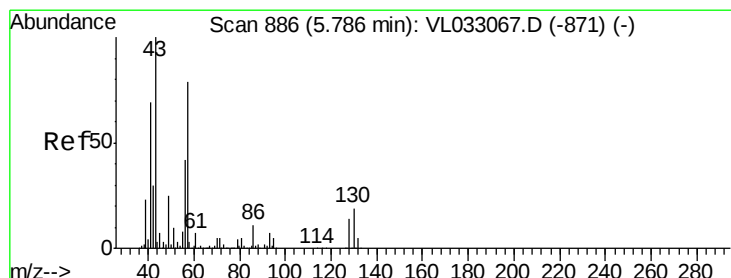
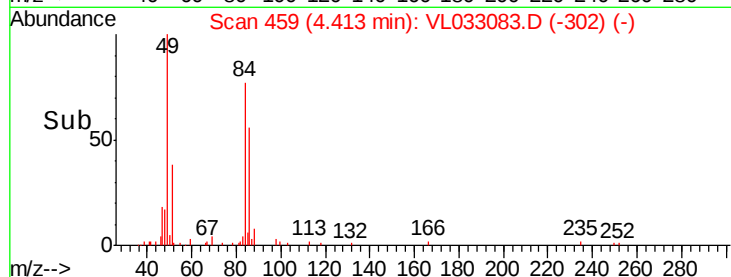
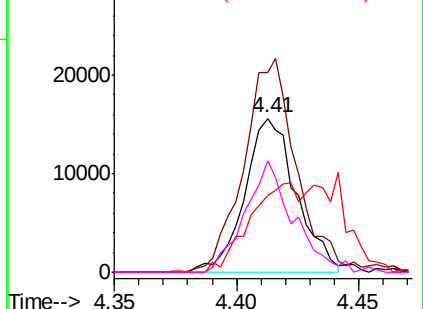


Abundance Ion 84.00 (83.70 to 84.70): VL0

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



#26

Hexane

Concen: 0.073 ppbv

RT: 5.78 min Scan# 885

Delta R.T. 0.00 min

Lab File: VL033083.D

Acq: 5 Jan 2019 1:02

Tgt Ion: 57 Resp: 7983

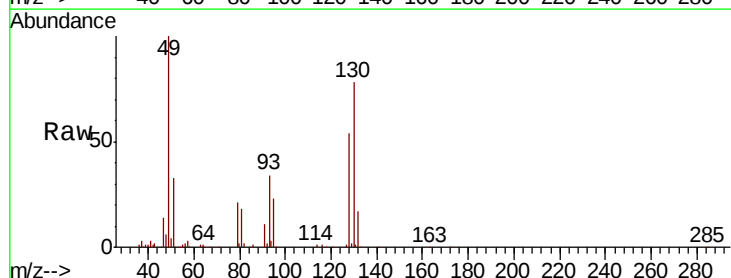
Ion Ratio Lower Upper

57 100

41 115.7 70.8 106.2#

43 86.8 171.8 257.6#

56 76.0 41.9 62.9#

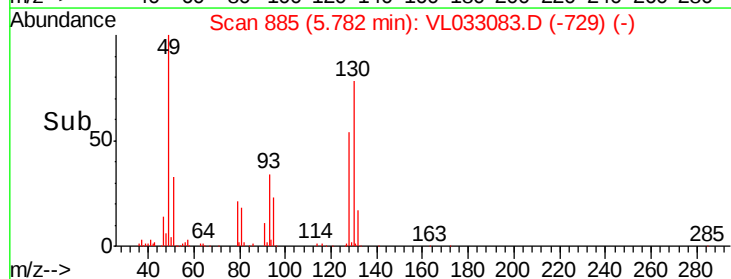
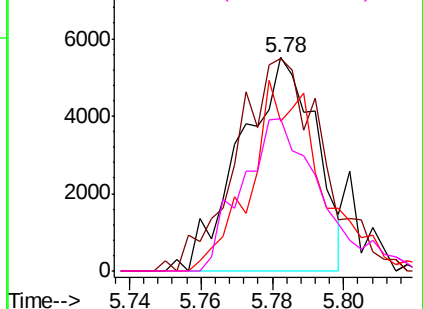


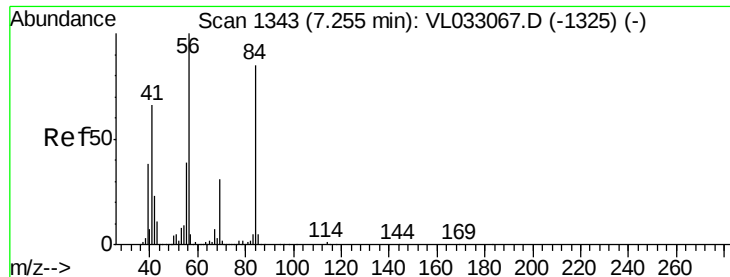
Abundance Ion 57.10 (56.80 to 57.80): VL0

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

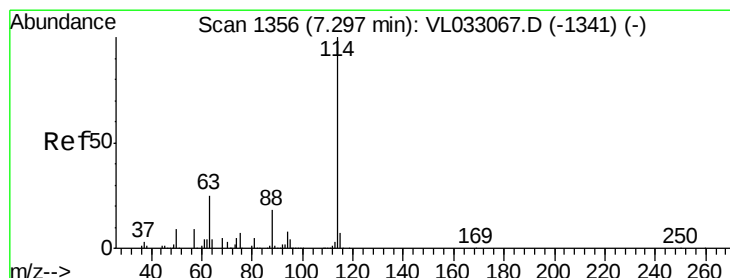
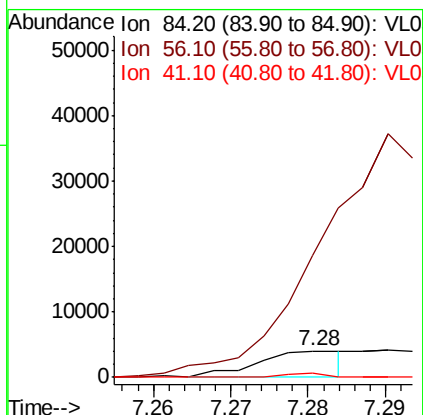
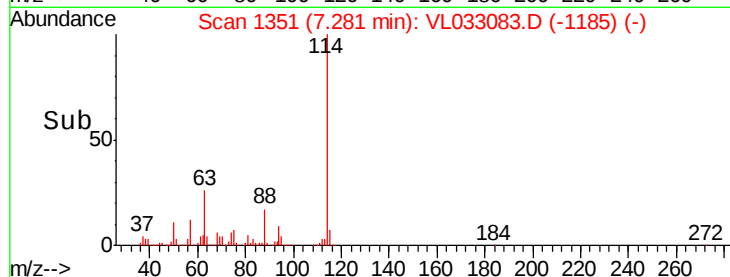
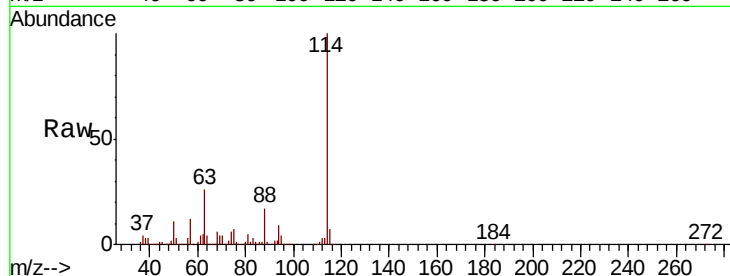




#30
Cyclohexane
Concen: 0.039 ppbv
RT: 7.28 min Scan# 1351
Delta R.T. 0.03 min
Lab File: VL033083.D
Acq: 5 Jan 2019 1:02

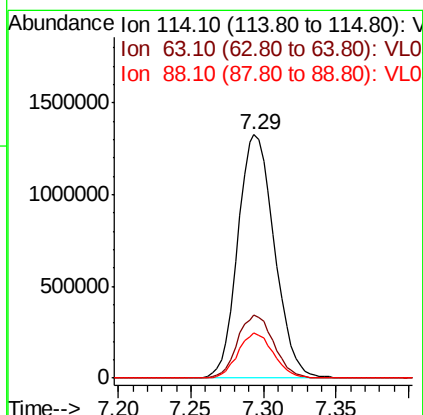
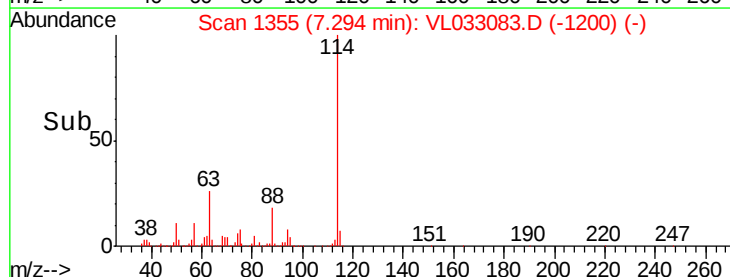
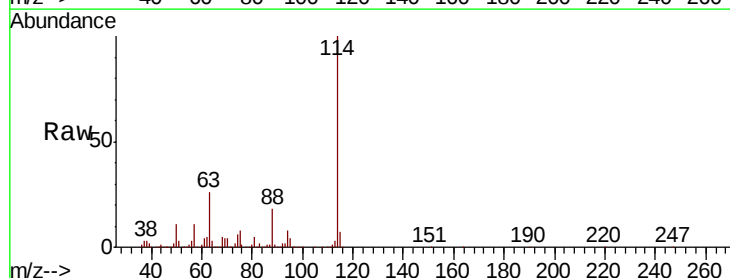
Instrument :
MSVOA_L
ClientSampleId :
QC010319 CAN 10716

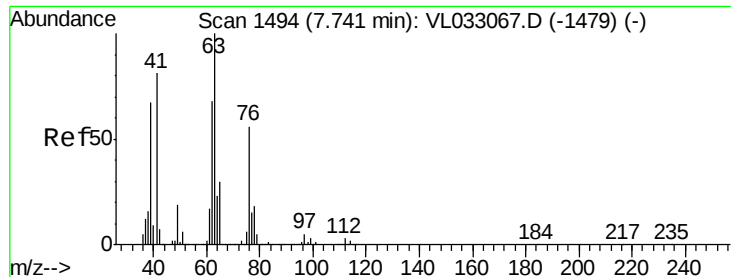
Tgt Ion: 84 Resp: 3173
Ion Ratio Lower Upper
84 100
56 0.0 101.8 152.6#
41 7.8 63.2 94.8#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.00 min
Lab File: VL033083.D
Acq: 5 Jan 2019 1:02

Tgt Ion: 114 Resp: 2327261
Ion Ratio Lower Upper
114 100
63 25.9 20.1 30.1
88 18.0 14.0 21.0

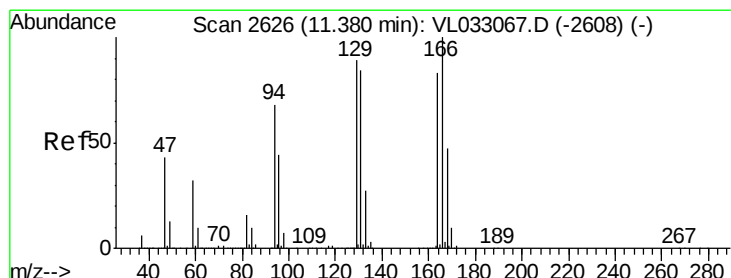
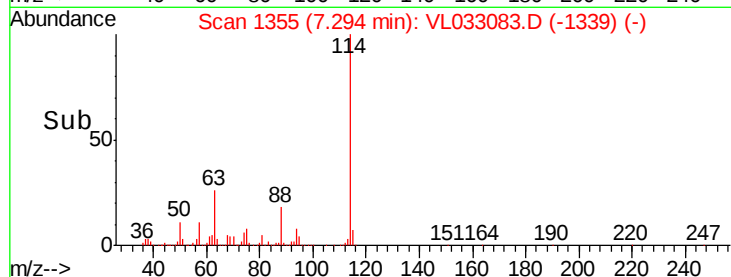
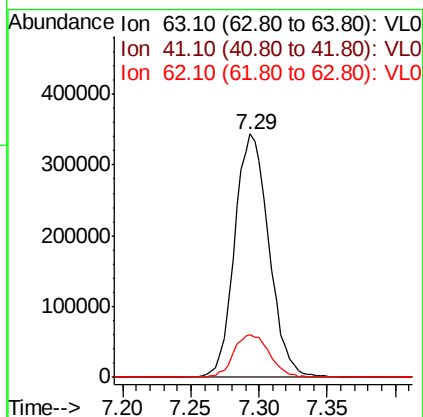
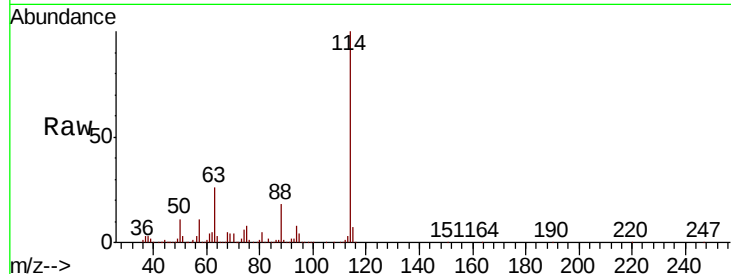




#39
 1,2-Dichloropropane
 Concen: 8.374 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. -0.45 min
 Lab File: VL033083.D
 Acq: 5 Jan 2019 1:02

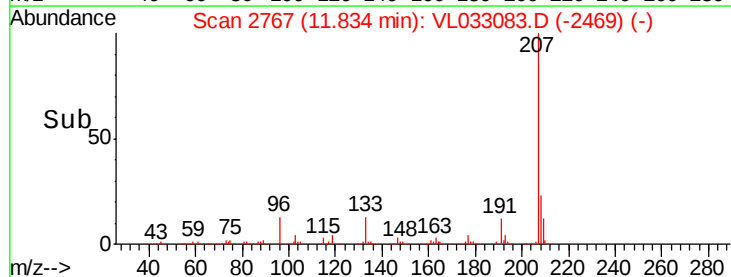
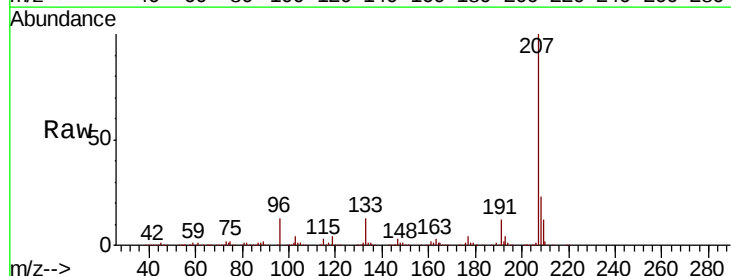
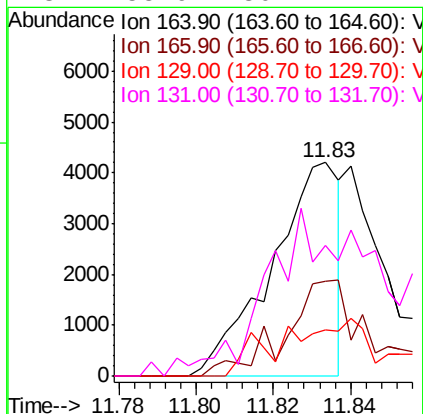
Instrument :
 MSVOA_L
 ClientSampleId :
 QC010319 CAN 10716

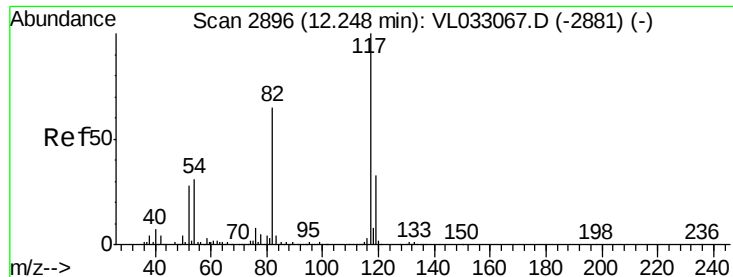
Tgt Ion	Ratio	Lower	Upper
63	100		
41	0.1	61.9	92.9#
62	17.5	55.8	83.6#



#52
 Tetrachloroethene
 Concen: 0.076 ppbv
 RT: 11.83 min Scan# 2767
 Delta R.T. 0.46 min
 Lab File: VL033083.D
 Acq: 5 Jan 2019 1:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	44.3	100.8	151.2#
129	21.9	84.6	126.8#
131	55.9	80.7	121.1#

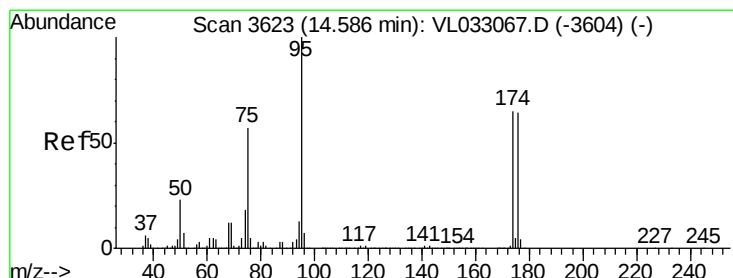
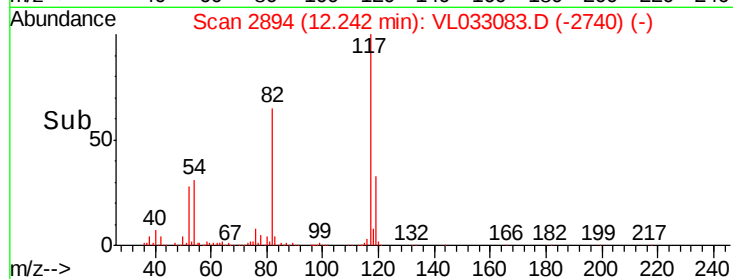
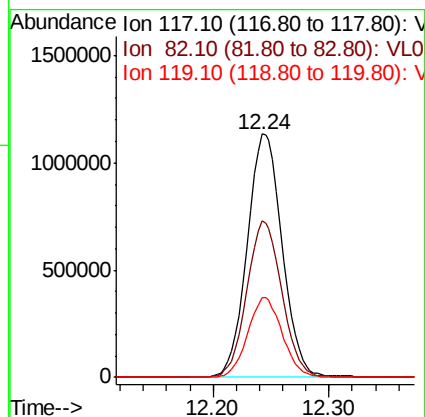
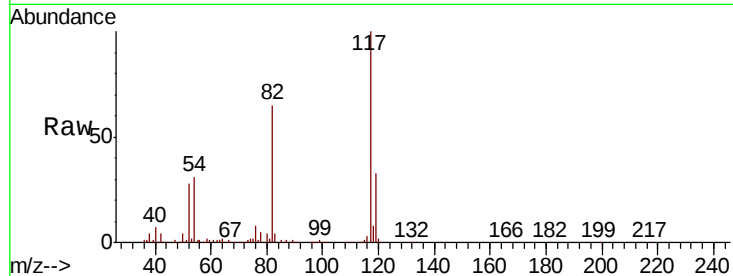




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.01 min
Lab File: VL033083.D
Acq: 5 Jan 2019 1:02

Instrument :
MSVOA_L
ClientSampleId :
QC010319 CAN 10716

Tgt Ion: 117 Resp: 2384234
Ion Ratio Lower Upper
117 100
82 64.9 48.9 73.3
119 32.6 24.6 37.0



#68
1-Bromo-4-Fluorobenzene
Concen: 10.053 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. -0.00 min
Lab File: VL033083.D
Acq: 5 Jan 2019 1:02

Tgt Ion: 95 Resp: 1837307
Ion Ratio Lower Upper
95 100
174 65.7 51.9 77.9
175 4.7 3.9 5.9

