

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL122018\
 Data File : VL033043.D
 Acq On : 21 Dec 2018 2:33
 Operator : SY/AP
 Sample : J6480-01 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENT

Quant Time: Dec 21 07:00:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 07 09:35:17 2018
 QLast Update : Fri Dec 07 09:35:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	778808	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	1863430	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	1736284	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	1342321	10.46	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.60%

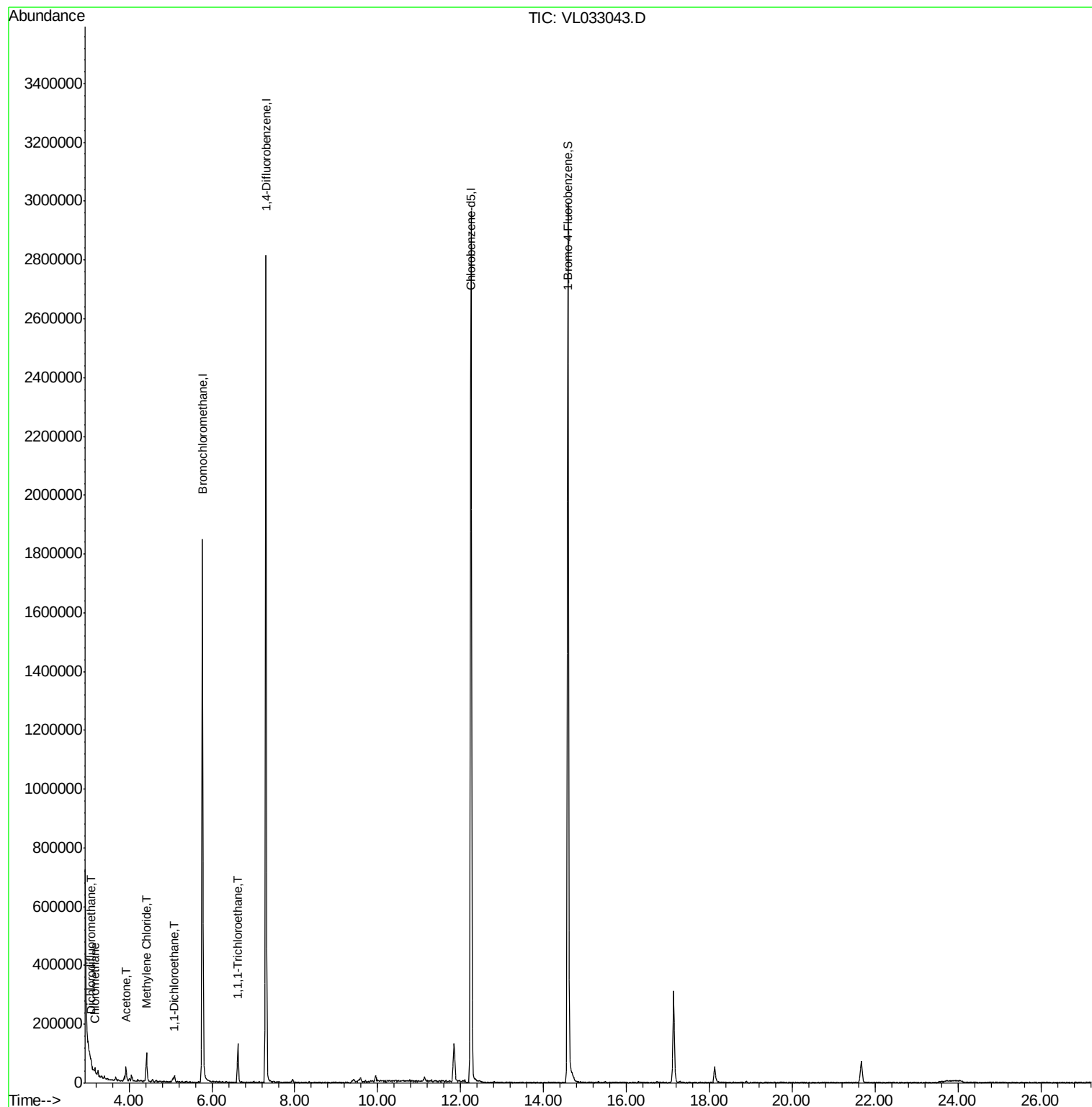
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	11167	0.107	ppbv	94
4) Chloromethane	3.18	50	8867	0.258	ppbv #	78
15) Acetone	3.93	43	47862	0.716	ppbv	97
20) Methylene Chloride	4.42	84	32937	1.008	ppbv	90
24) 1,1-Dichloroethane	5.10	63	13443	0.137	ppbv	97
32) 1,1,1-Trichloroethane	6.63	97	77709	0.565	ppbv	98

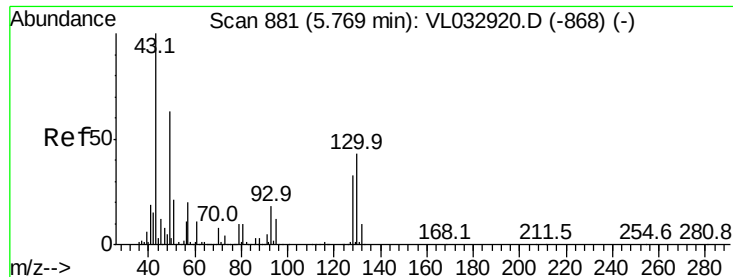
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL122018\
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QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 881

Delta R.T. 0.00 min

Lab File: VL033043.D

Acq: 21 Dec 2018 2:33

Instrument :
MSVOA_L
ClientSampled :
INFLUENT

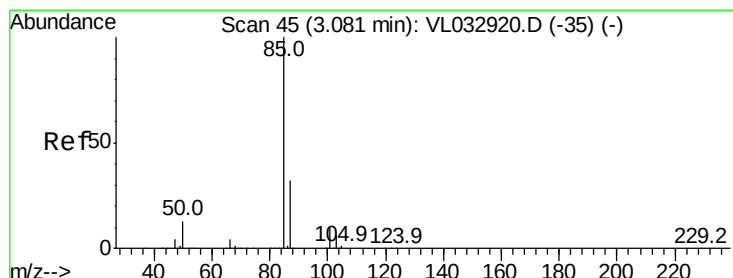
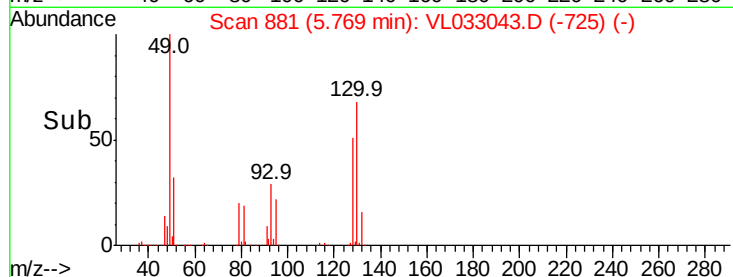
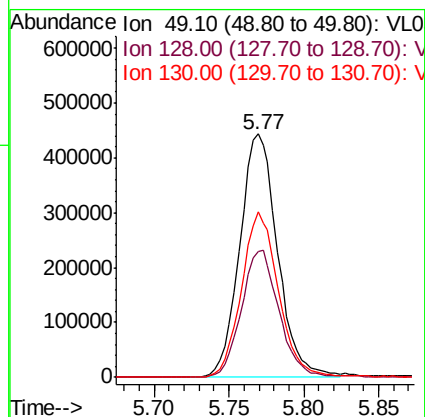
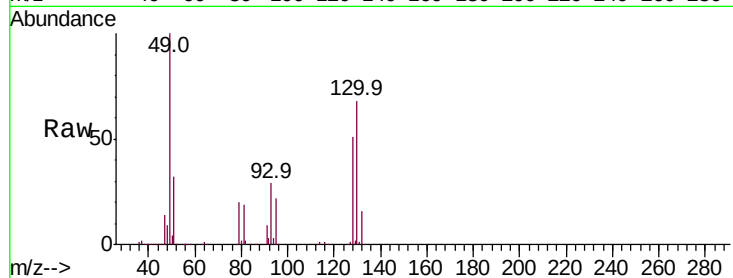
Tot Ion: 49 Resp: 778808

Ion Ratio Lower Upper

49 100

128 52.5 26.3 78.8

130 67.4 33.9 101.7



#2

Dichlorodifluoromethane

Concen: 0.107 ppbv

RT: 3.08 min Scan# 45

Delta R.T. 0.00 min

Lab File: VL033043.D

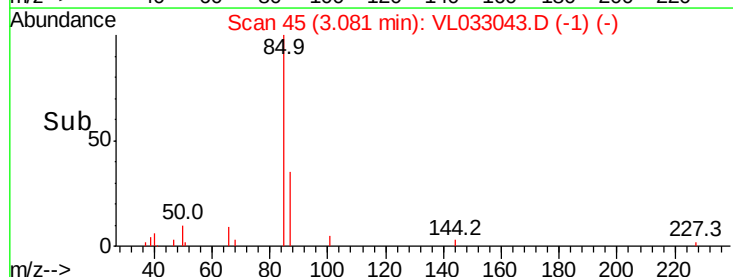
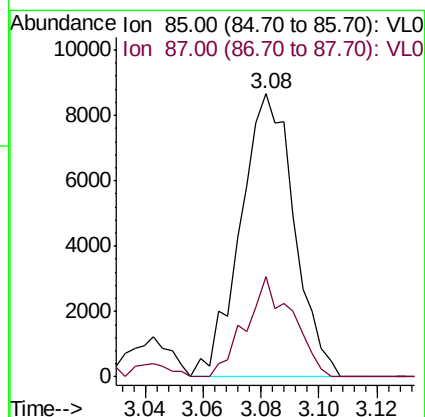
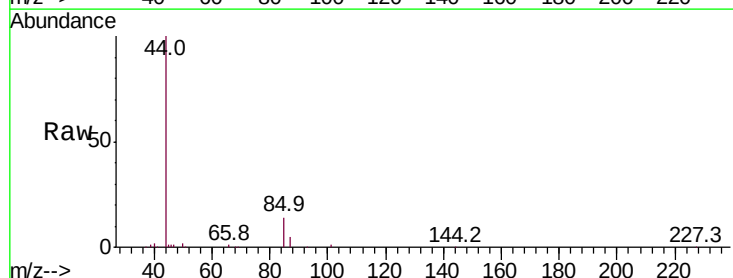
Acq: 21 Dec 2018 2:33

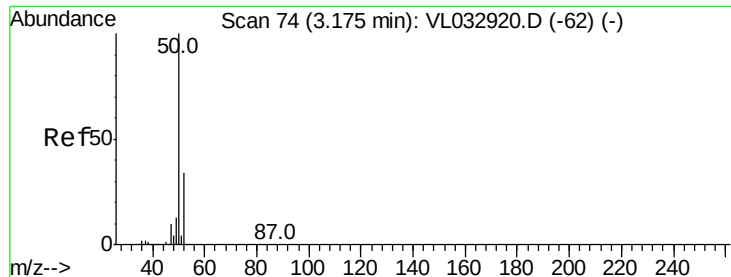
Tgt Ion: 85 Resp: 11167

Ion Ratio Lower Upper

85 100

87 35.2 25.7 38.5





#4

Chloromethane

Concen: 0.258 ppbv

RT: 3.18 min Scan# 75

Delta R.T. 0.00 min

Lab File: VL033043.D

Acq: 21 Dec 2018 2:33

Instrument :

MSVOA_L

ClientSampleId :

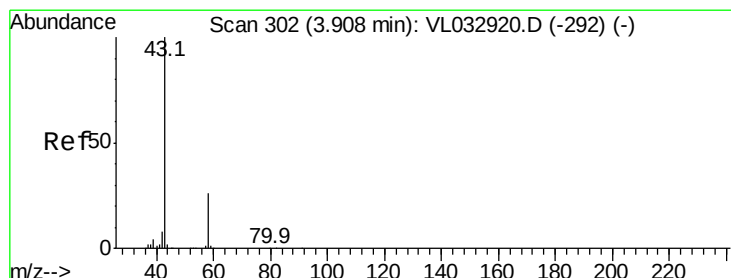
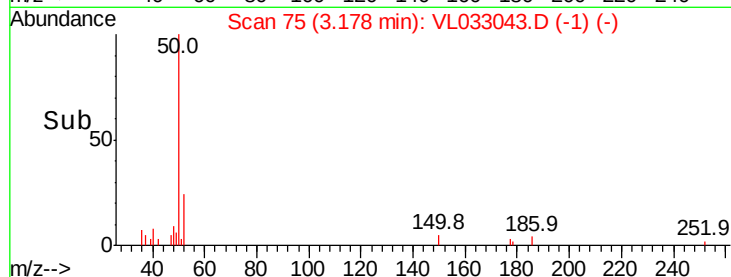
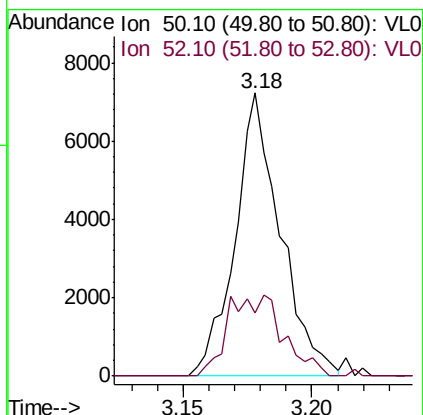
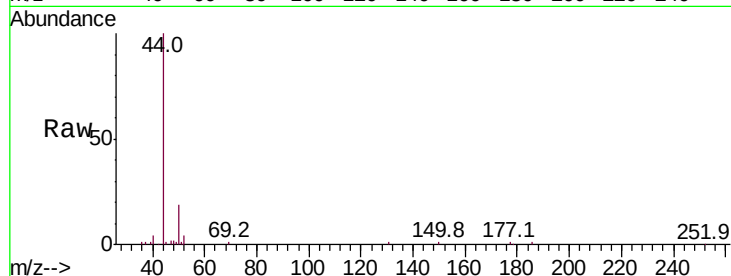
INFLUENT

Tot Ion: 50 Resp: 8867

Ion Ratio Lower Upper

50 100

52 21.7 27.3 40.9#



#15

Acetone

Concen: 0.716 ppbv

RT: 3.93 min Scan# 308

Delta R.T. 0.02 min

Lab File: VL033043.D

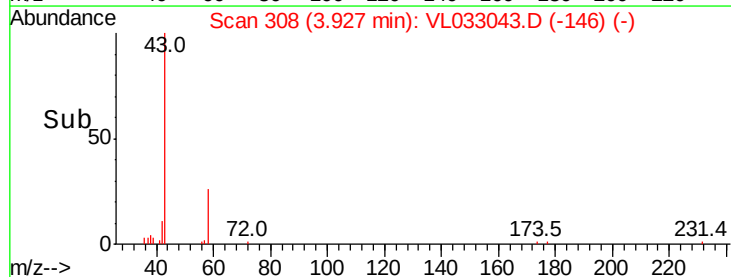
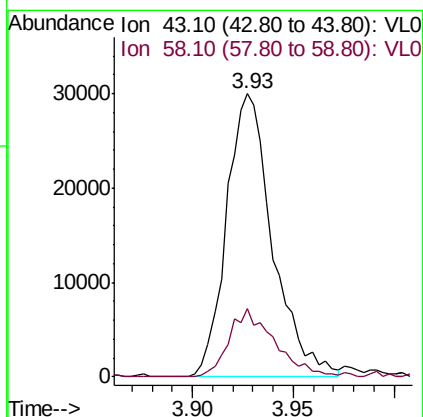
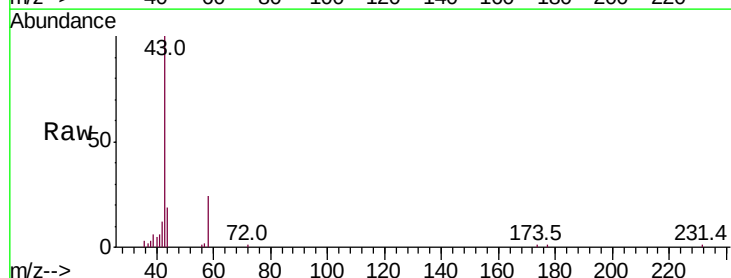
Acq: 21 Dec 2018 2:33

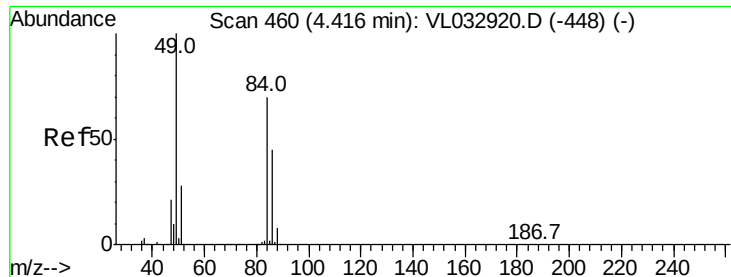
Tgt Ion: 43 Resp: 47862

Ion Ratio Lower Upper

43 100

58 24.4 20.6 30.8





#20

Methylene Chloride

Concen: 1.008 ppbv

RT: 4.42 min Scan# 462

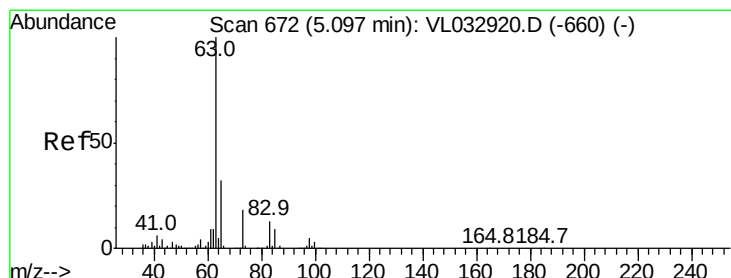
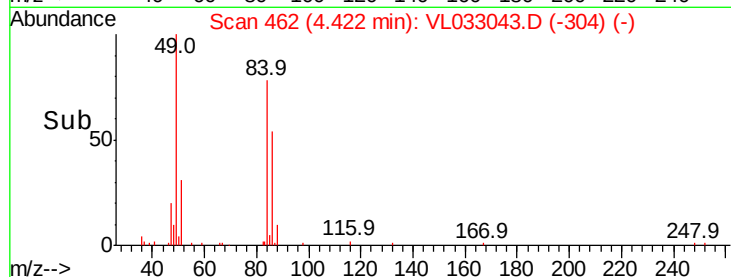
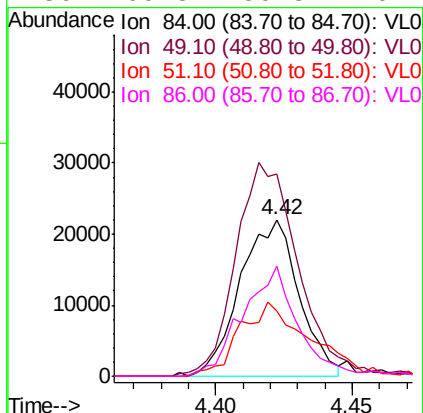
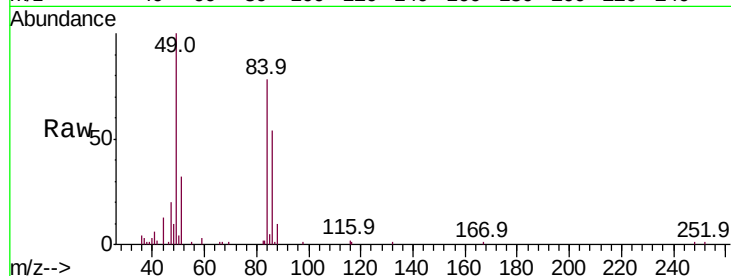
Delta R.T. 0.01 min

Lab File: VL033043.D

Acq: 21 Dec 2018 2:33

Instrument :
MSVOA_L
ClientSampleId :
INFLUENT

Tot Ion:	84	Resp:	32937
Ion	Ratio	Lower	Upper
84	100		
49	126.7	113.8	170.8
51	41.5	31.8	47.8
86	69.3	50.8	76.2



#24

1,1-Dichloroethane

Concen: 0.137 ppbv

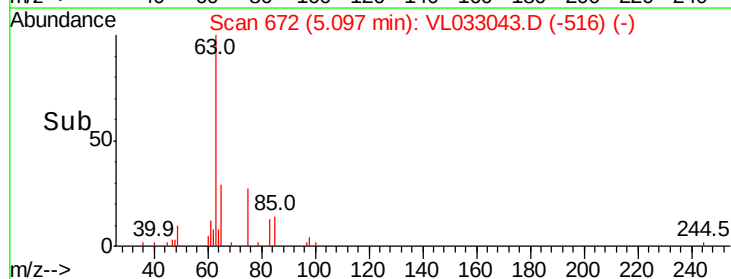
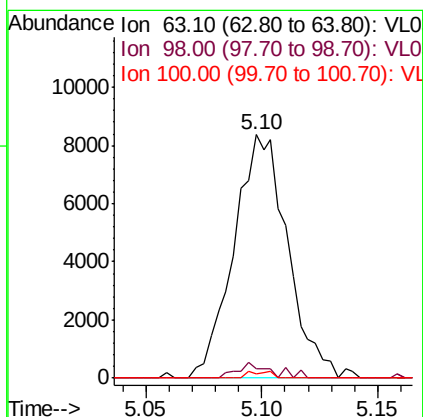
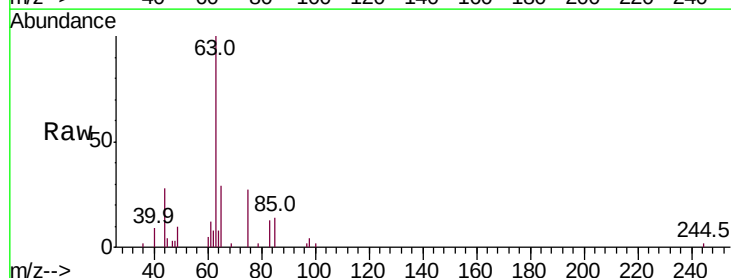
RT: 5.10 min Scan# 672

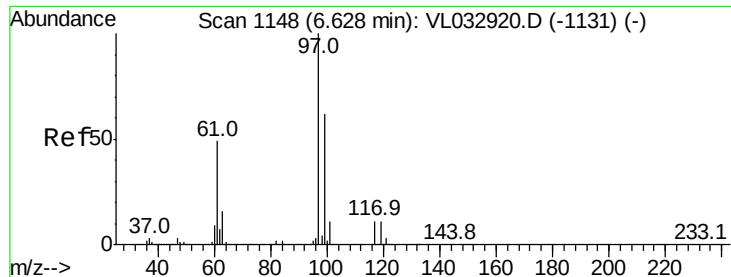
Delta R.T. 0.00 min

Lab File: VL033043.D

Acq: 21 Dec 2018 2:33

Tgt Ion:	63	Resp:	13443
Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.5	7.5
100	2.0	1.4	4.2





#32

1,1,1-Trichloroethane

Concen: 0.565 ppbv

RT: 6.63 min Scan# 1148

Delta R.T. 0.00 min

Lab File: VL033043.D

Acq: 21 Dec 2018 2:33

Instrument :

MSVOA_L

ClientSampleId :

INFLUENT

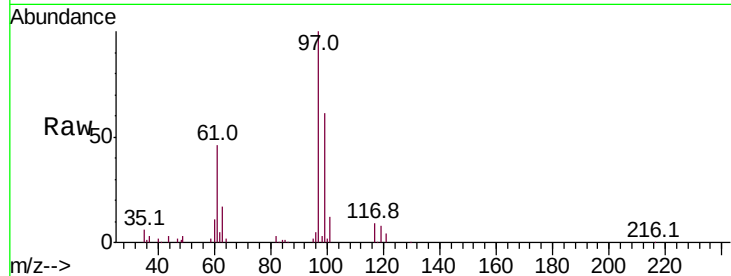
Tot Ion: 97 Resp: 77709

Ion Ratio Lower Upper

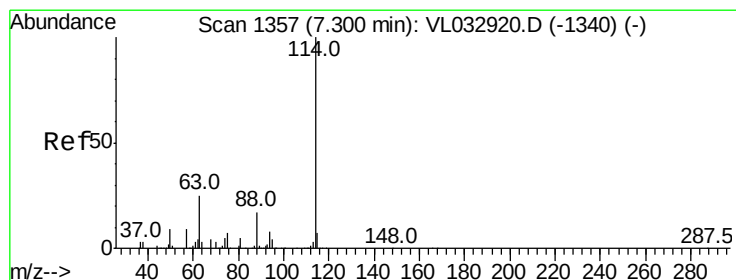
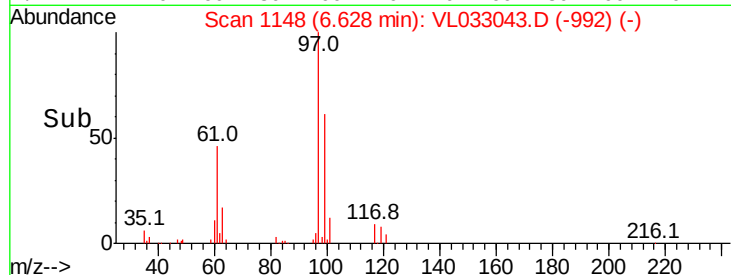
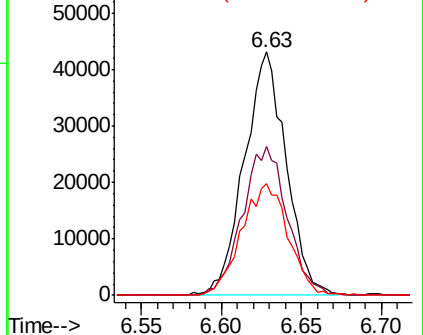
97 100

99 65.0 51.1 76.7

61 50.7 39.3 58.9



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: 7.30 min Scan# 1357

Delta R.T. 0.00 min

Lab File: VL033043.D

Acq: 21 Dec 2018 2:33

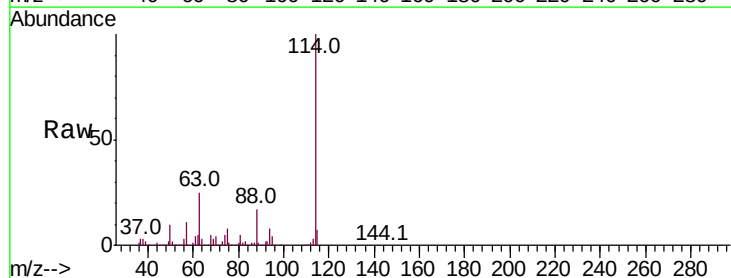
Tgt Ion:114 Resp: 1863430

Ion Ratio Lower Upper

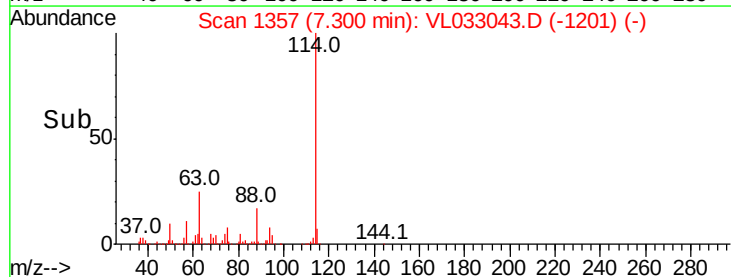
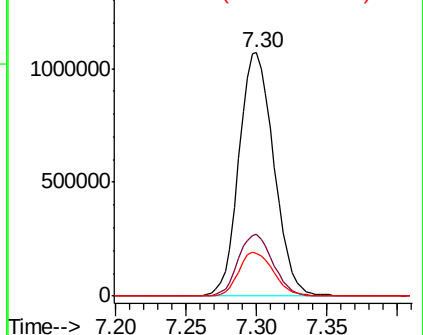
114 100

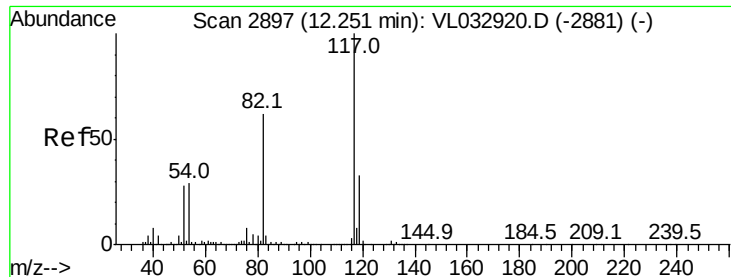
63 25.4 20.1 30.1

88 18.0 14.2 21.4



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

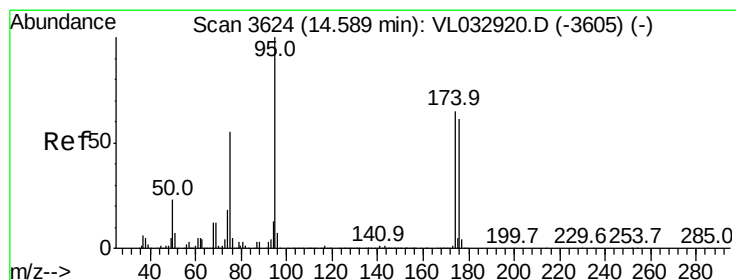
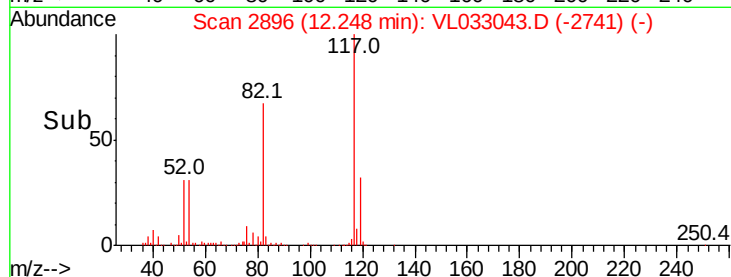
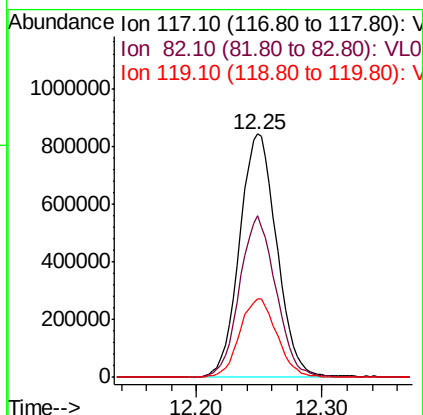
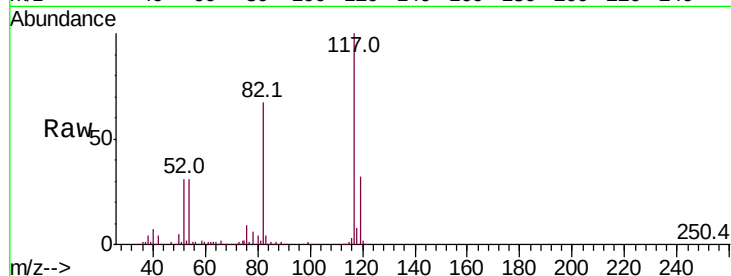




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VL033043.D
Acq: 21 Dec 2018 2:33

Instrument :
MSVOA_L
ClientSampleId :
INFLUENT

Tot Ion:117 Resp: 1736284
Ion Ratio Lower Upper
117 100
82 65.2 47.8 71.8
119 32.4 43.1 64.7#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.464 ppbv
RT: 14.59 min Scan# 3623
Delta R.T. -0.00 min
Lab File: VL033043.D
Acq: 21 Dec 2018 2:33

Tgt Ion: 95 Resp: 1342321
Ion Ratio Lower Upper
95 100
174 65.6 51.4 77.0
175 4.7 3.8 5.6

