

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121118\
 Data File : VL032976.D
 Acq On : 12 Dec 2018 5:02
 Operator : SY/AP
 Sample : J6262-03DL2 1200X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 12 06:25:51 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	966649	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2448648	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2347043	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1850352	10.67	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.70%

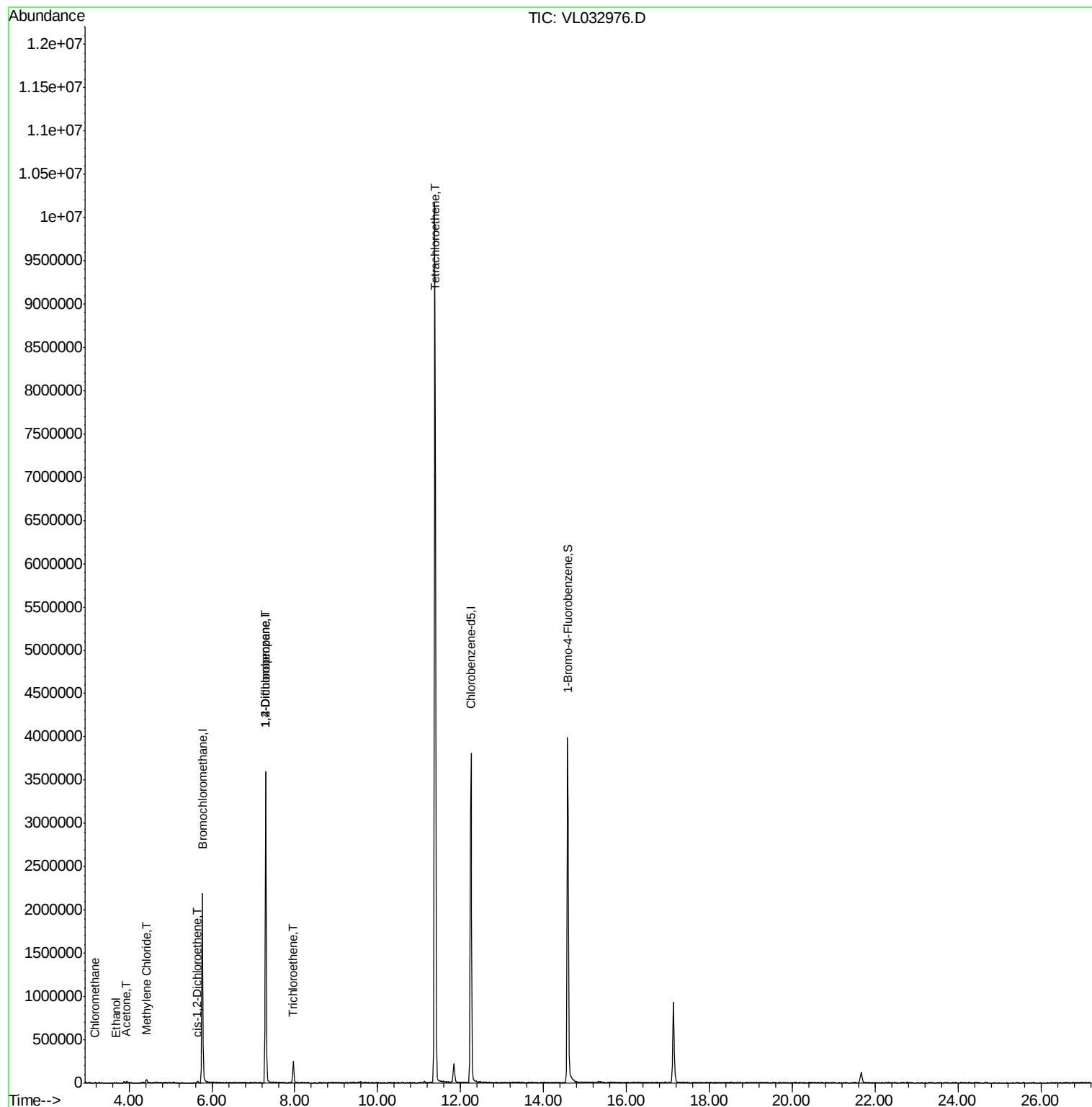
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
4) Chloromethane	3.17	50	3543	0.083	ppbv #	75
13) Ethanol	3.68	45	412	0.041	ppbv #	56
15) Acetone	3.94	43	16131	0.194	ppbv	96
20) Methylene Chloride	4.41	84	11443	0.282	ppbv #	86
31) cis-1,2-Dichloroethene	5.65	61	2560	0.031	ppbv #	45
38) Trichloroethene	7.97	130	70886	0.946	ppbv	93
39) 1,2-Dichloropropane	7.29	63	613736	8.985	ppbv #	21
52) Tetrachloroethene	11.38	164	2439762	37.241	ppbv	97

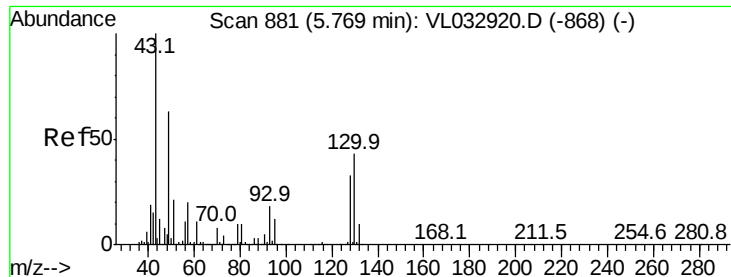
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 880

Delta R.T. -0.00 min

Lab File: VL032976.D

Acq: 12 Dec 2018 5:02

Instrument :
MSVOA_L
ClientSampleId :

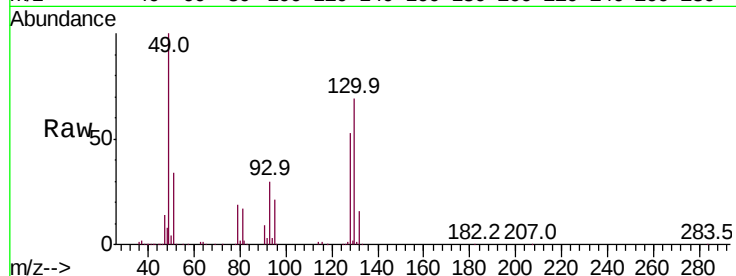
Tot Ion: 49 Resp: 966649

Ion Ratio Lower Upper

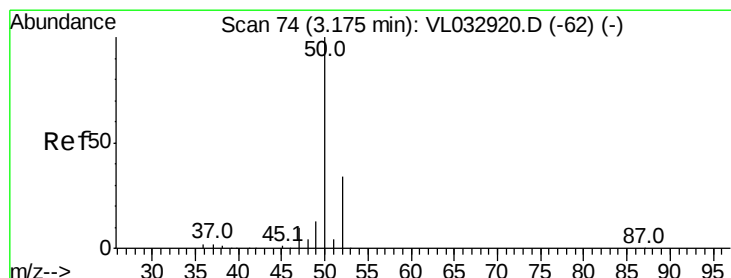
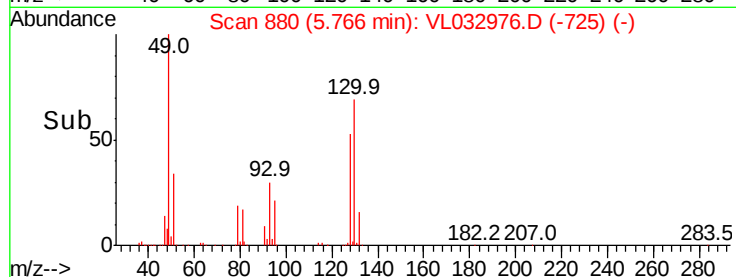
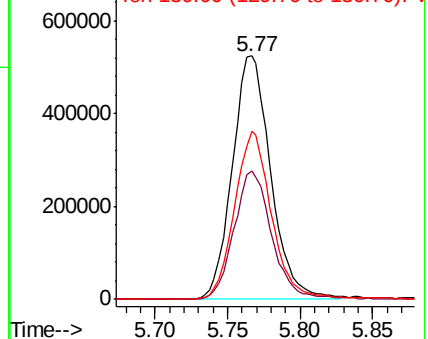
49 100

128 52.2 26.3 78.8

130 66.9 33.9 101.7



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: 0.083 ppbv

RT: 3.17 min Scan# 74

Delta R.T. 0.00 min

Lab File: VL032976.D

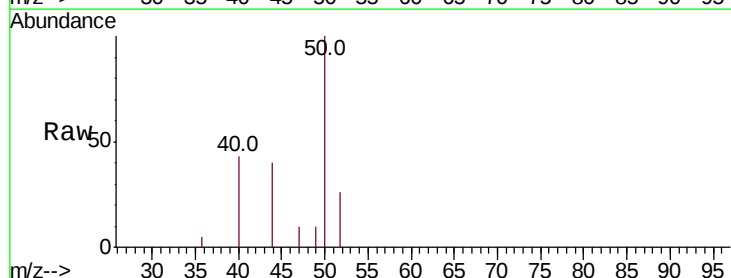
Acq: 12 Dec 2018 5:02

Tgt Ion: 50 Resp: 3543

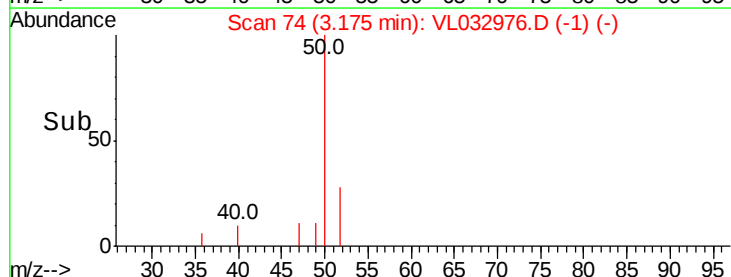
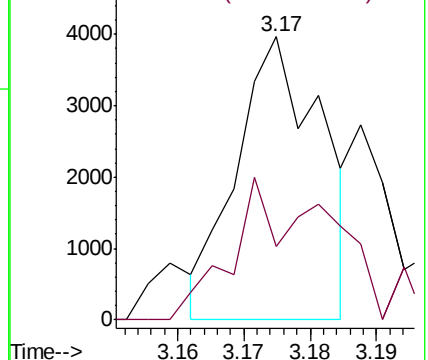
Ion Ratio Lower Upper

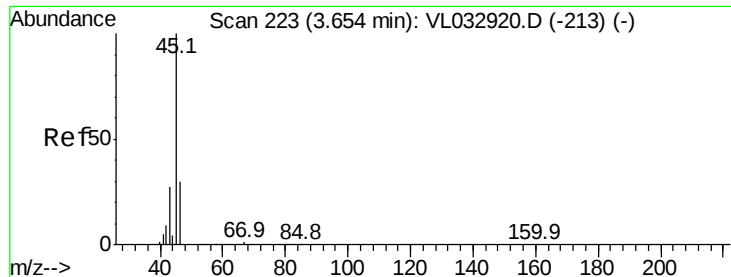
50 100

52 19.6 27.3 40.9#



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0

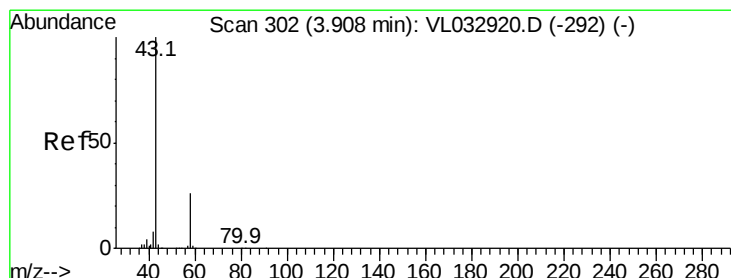
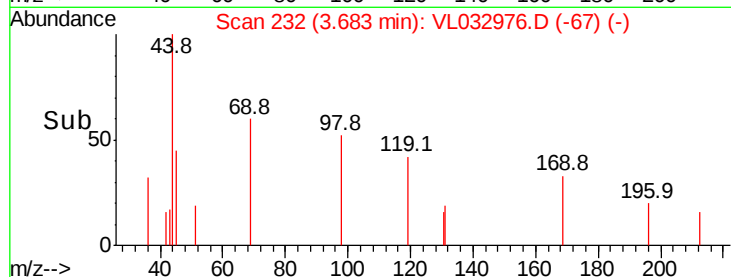
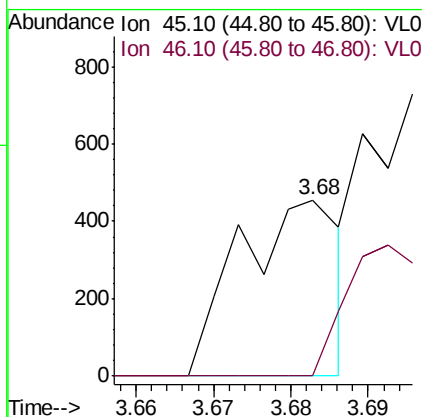
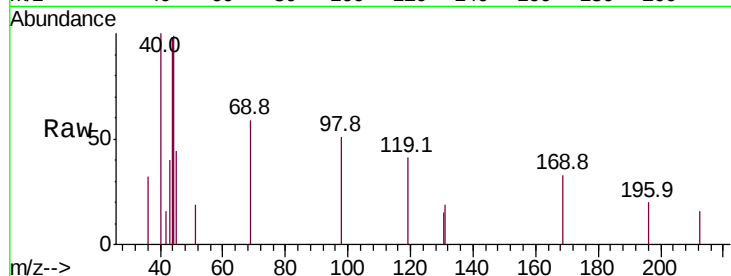




#13
Ethanol
Concen: 0.041 ppbv
RT: 3.68 min Scan# 232
Delta R.T. 0.03 min
Lab File: VL032976.D
Acq: 12 Dec 2018 5:02

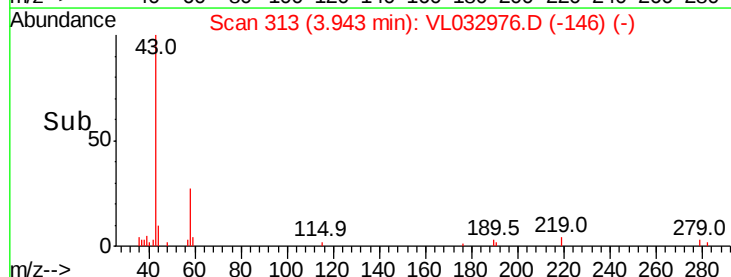
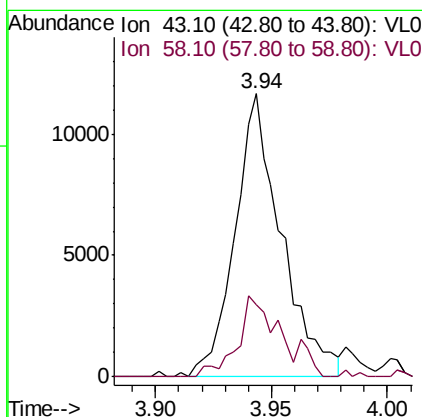
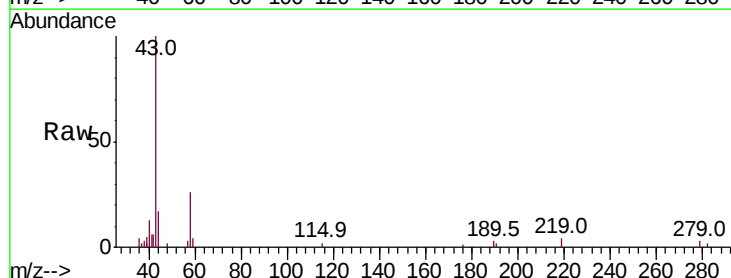
Instrument :
MSVOA_L
ClientSampleId :

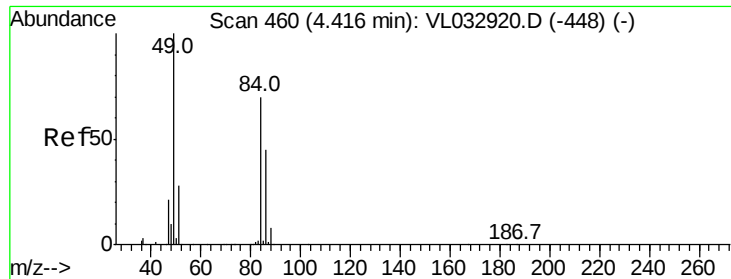
Tot Ion: 45 Resp: 412
Ion Ratio Lower Upper
45 100
46 9.2 13.8 55.4#



#15
Acetone
Concen: 0.194 ppbv
RT: 3.94 min Scan# 313
Delta R.T. 0.04 min
Lab File: VL032976.D
Acq: 12 Dec 2018 5:02

Tgt Ion: 43 Resp: 16131
Ion Ratio Lower Upper
43 100
58 27.6 20.6 30.8

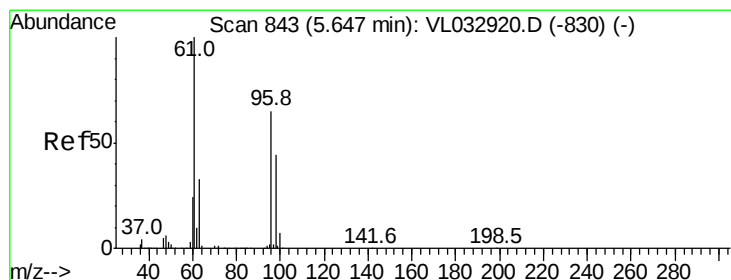
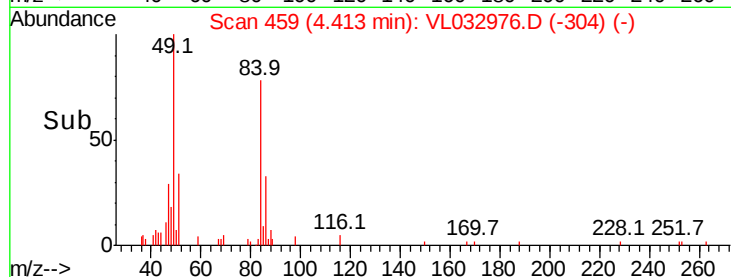
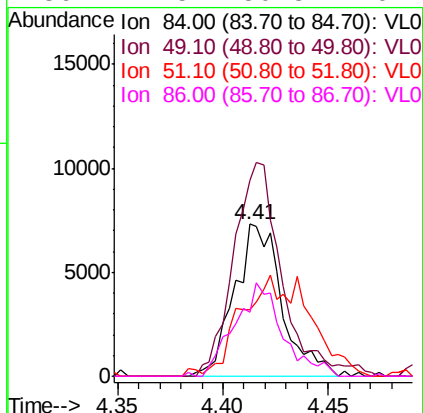
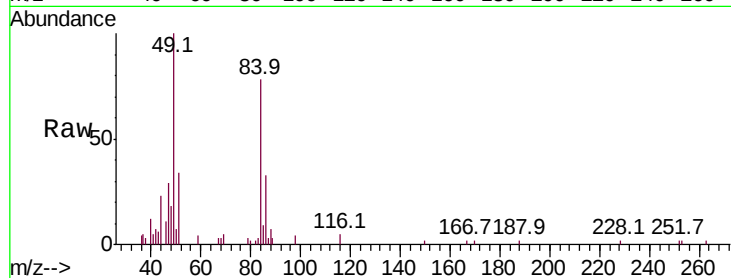




#20
Methylene Chloride
Concen: 0.282 ppbv
RT: 4.41 min Scan# 459
Delta R.T. -0.00 min
Lab File: VL032976.D
Acq: 12 Dec 2018 5:02

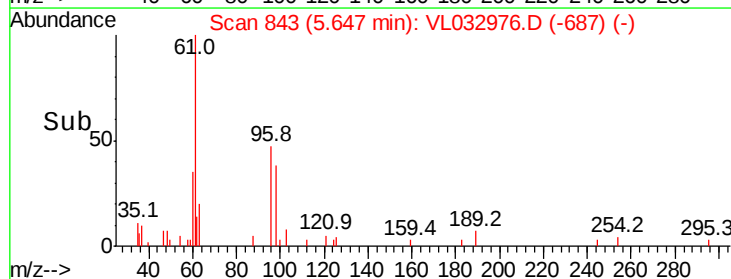
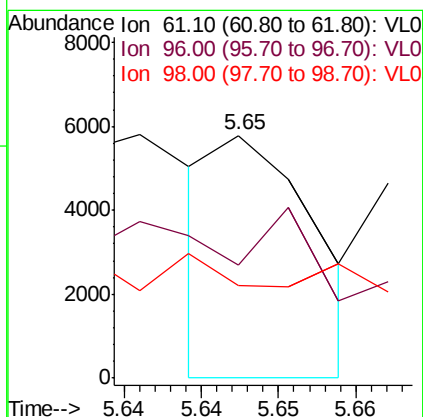
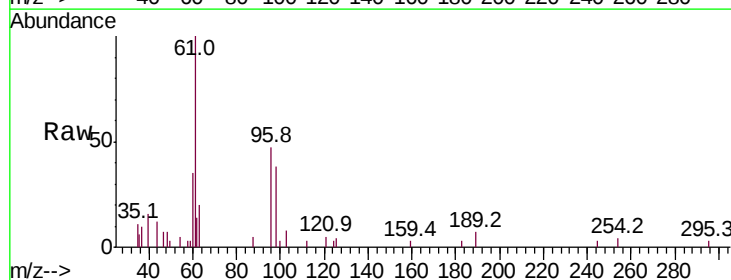
Instrument :
MSVOA_L
ClientSampleId :

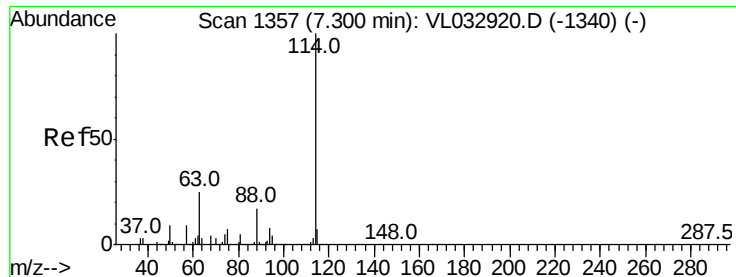
Tot Ion	84	Resp	11443
Ion	Ratio	Lower	Upper
84	100		
49	129.0	113.8	170.8
51	38.4	31.8	47.8
86	42.5	50.8	76.2#



#31
cis-1,2-Dichloroethene
Concen: 0.031 ppbv
RT: 5.65 min Scan# 843
Delta R.T. 0.00 min
Lab File: VL032976.D
Acq: 12 Dec 2018 5:02

Tgt Ion	61	Resp	2560
Ion	Ratio	Lower	Upper
61	100		
96	27.9	51.9	77.9#
98	0.0	35.0	52.4#

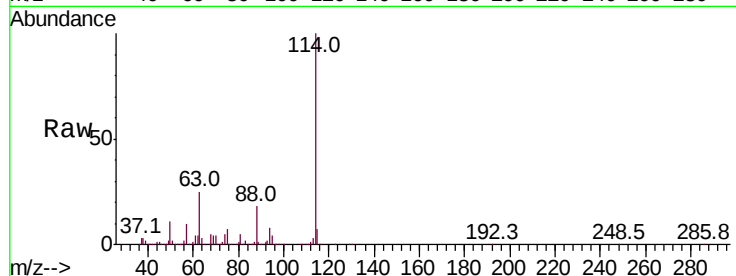




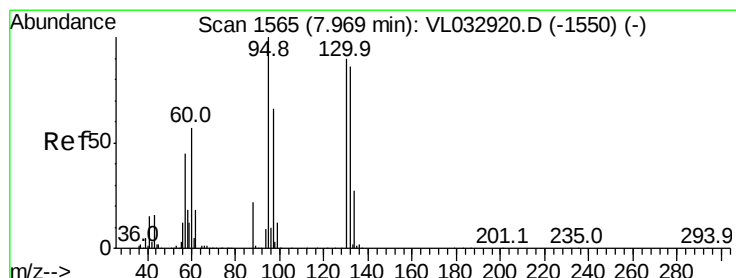
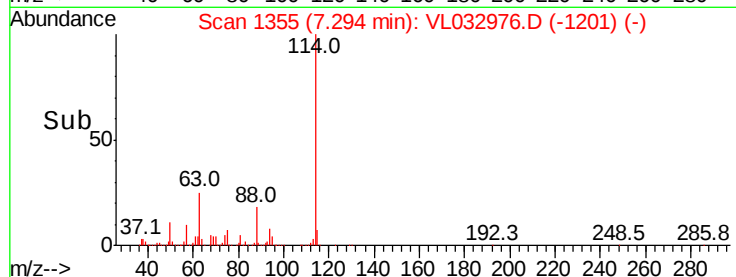
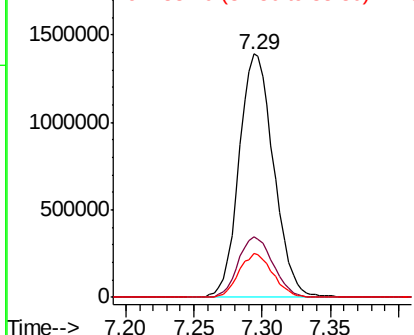
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. -0.01 min
 Lab File: VL032976.D
 Acq: 12 Dec 2018 5:02

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 2448648
 Ion Ratio Lower Upper
 114 100
 63 25.2 20.1 30.1
 88 17.7 14.2 21.4

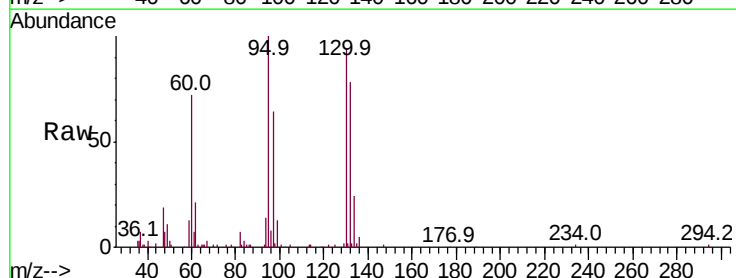


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

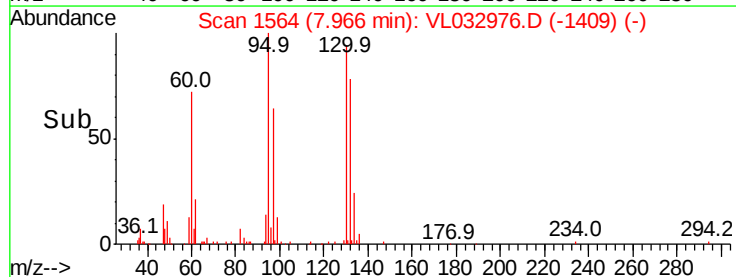
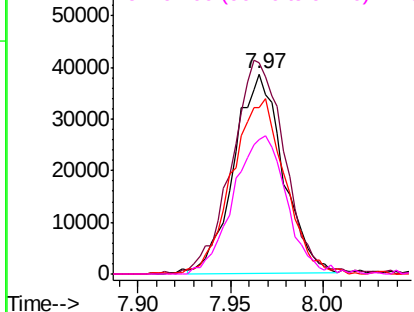


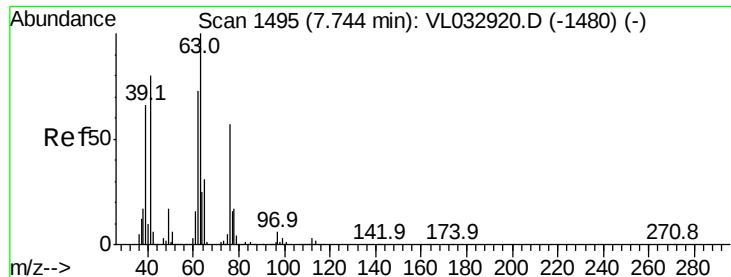
#38
 Trichloroethene
 Concen: 0.946 ppbv
 RT: 7.97 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VL032976.D
 Acq: 12 Dec 2018 5:02

Tgt Ion:130 Resp: 70886
 Ion Ratio Lower Upper
 130 100
 95 104.8 88.6 132.8
 132 82.9 76.1 114.1
 97 70.3 58.0 87.0



Abundance Ion 130.00 (129.70 to 130.70): V
 Ion 95.00 (94.70 to 95.70): VL0
 Ion 132.00 (131.70 to 132.70): V
 Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 8.985 ppbv

RT: 7.29 min Scan# 1355

Delta R.T. -0.45 min

Lab File: VL032976.D

Acq: 12 Dec 2018 5:02

Instrument :

MSVOA_L

ClientSampleId :

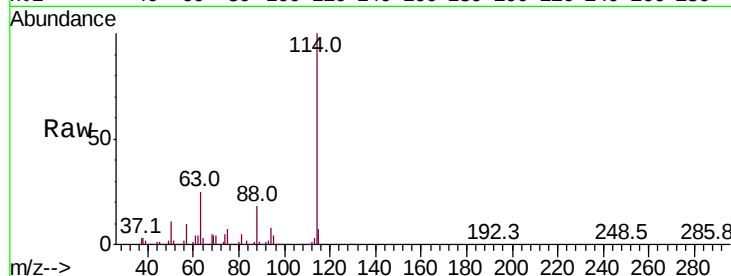
Tot Ion: 63 Resp: 613736

Ion Ratio Lower Upper

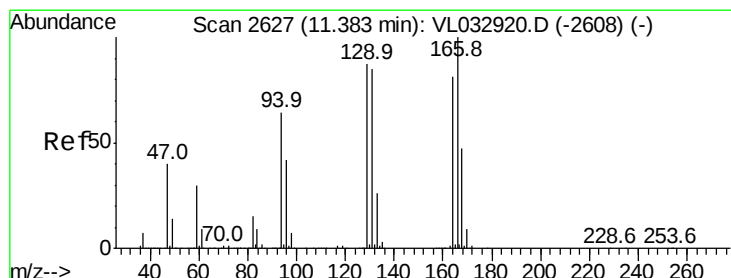
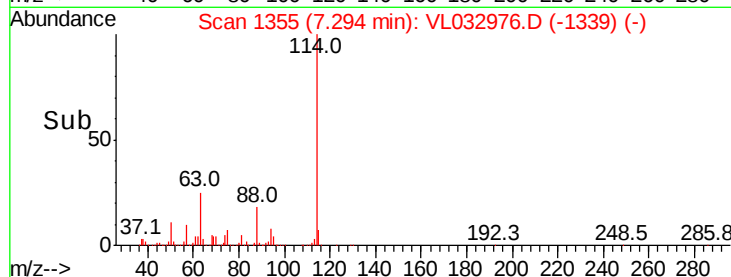
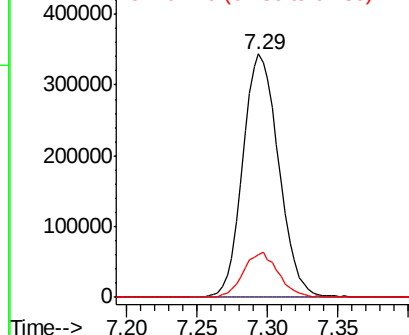
63 100

41 0.1 63.9 95.9#

62 17.8 58.8 88.2#



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



#52

Tetrachloroethene

Concen: 37.241 ppbv

RT: 11.38 min Scan# 2626

Delta R.T. -0.00 min

Lab File: VL032976.D

Acq: 12 Dec 2018 5:02

Tgt Ion:164 Resp: 2439762

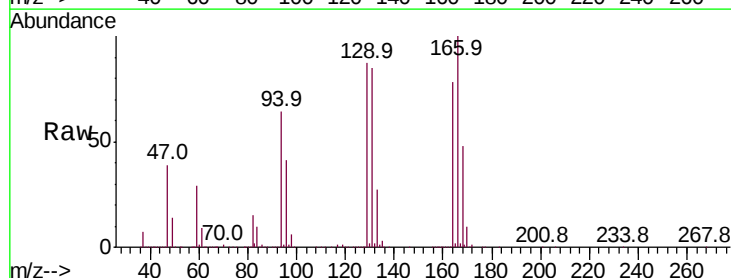
Ion Ratio Lower Upper

164 100

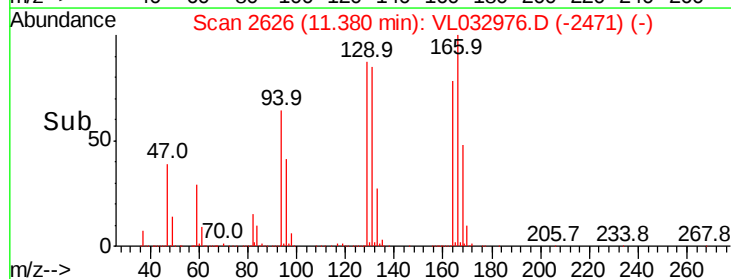
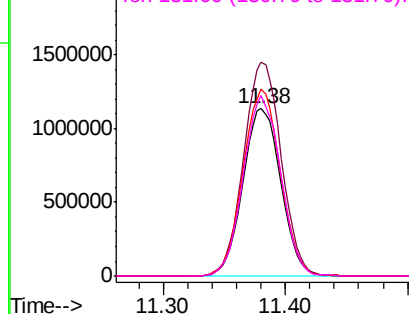
166 127.4 98.8 148.2

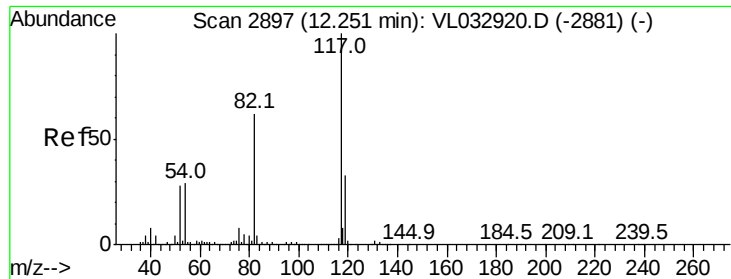
129 111.2 85.5 128.3

131 107.7 84.4 126.6



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V

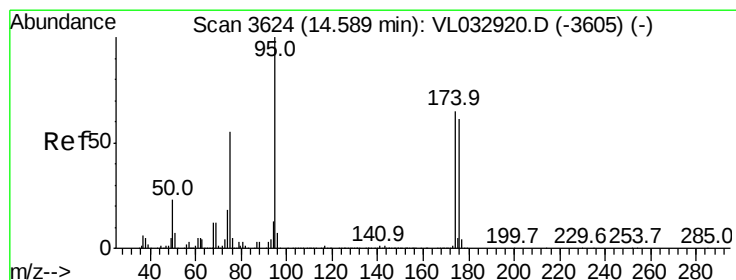
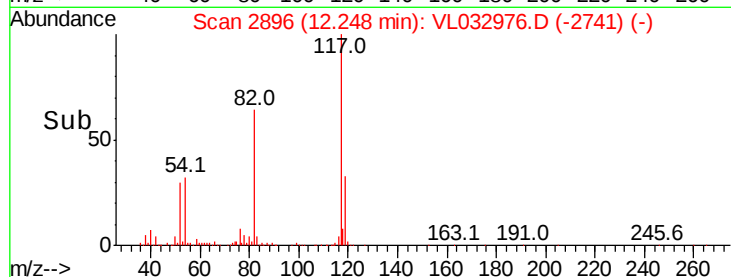
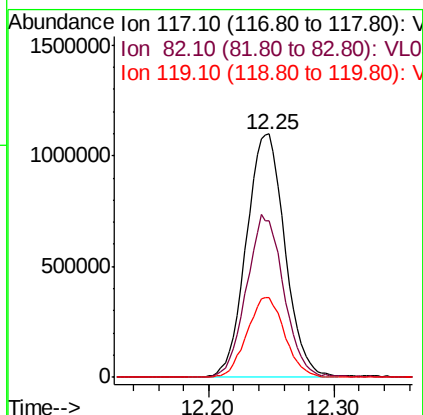
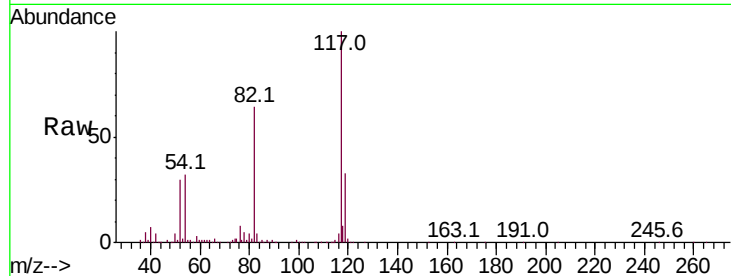




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VL032976.D
Acq: 12 Dec 2018 5:02

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:117 Resp: 2347043
Ion Ratio Lower Upper
117 100
82 65.0 47.8 71.8
119 32.3 43.1 64.7#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.671 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.01 min
Lab File: VL032976.D
Acq: 12 Dec 2018 5:02

Tgt Ion: 95 Resp: 1850352
Ion Ratio Lower Upper
95 100
174 63.8 51.4 77.0
175 4.7 3.8 5.6

