

Data File : VL032761.D
Acq On : 14 Nov 2018 16:27
Operator : SY/AP
Sample : J5896-01DL2 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Quant Time: Nov 15 04:56:27 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1558551	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	3858946	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	3495482	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2688053	10.28	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.80%

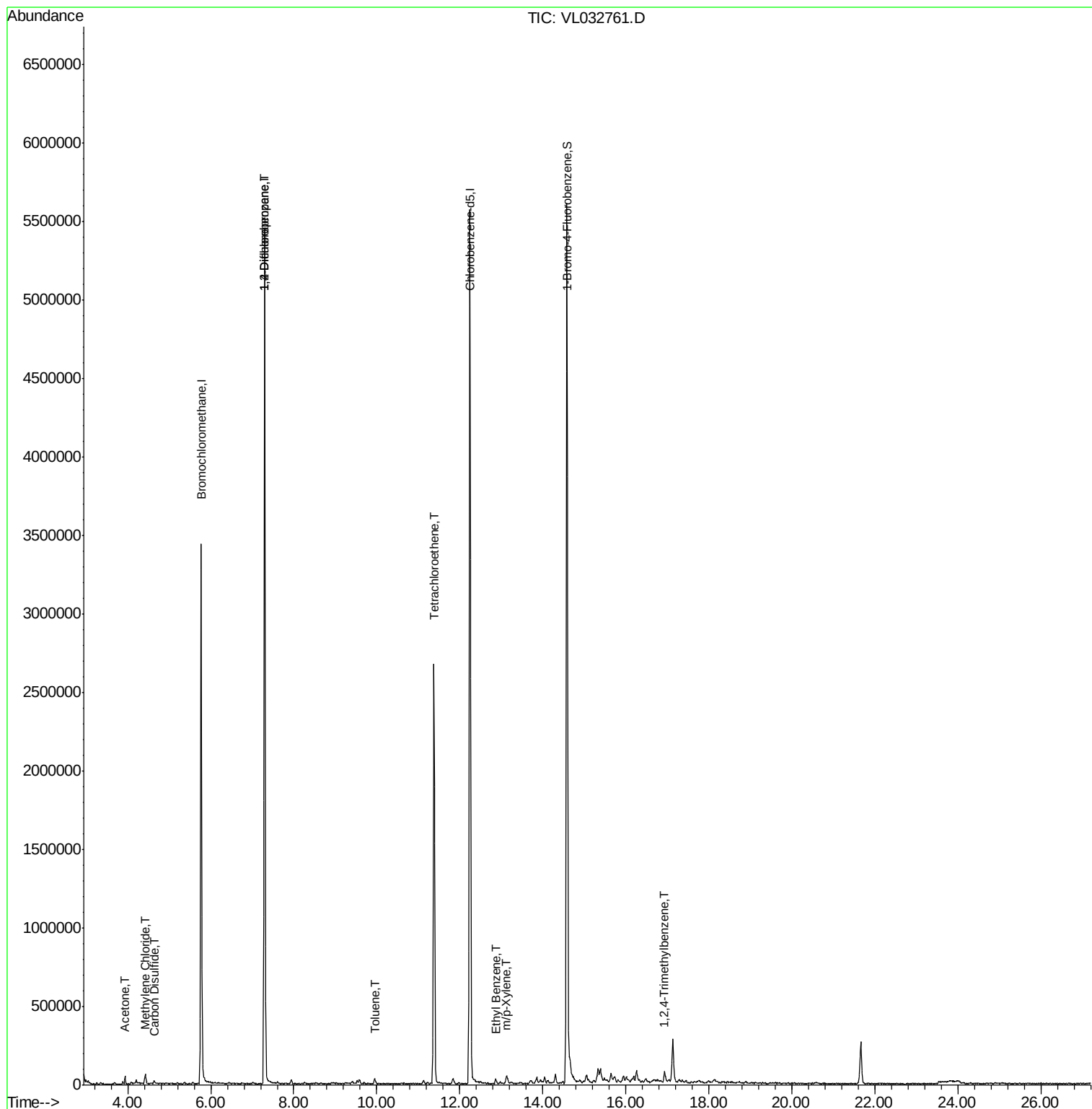
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Acetone	3.93	43	46385	0.326	ppbv	94
20) Methylene Chloride	4.42	84	16667	0.226	ppbv	93
27) Carbon Disulfide	4.63	76	6848	0.037	ppbv #	44
39) 1,2-Dichloropropane	7.29	63	979997	8.370	ppbv #	23
52) Tetrachloroethene	11.38	164	628787	5.882	ppbv	97
53) Toluene	9.94	91	13811	0.043	ppbv #	21
58) Ethyl Benzene	12.87	91	16751	0.040	ppbv	94
59) m/p-Xylene	13.12	91	27929	0.075	ppbv #	48
74) 1,2,4-Trimethylbenzene	16.92	105	13890	0.032	ppbv #	73

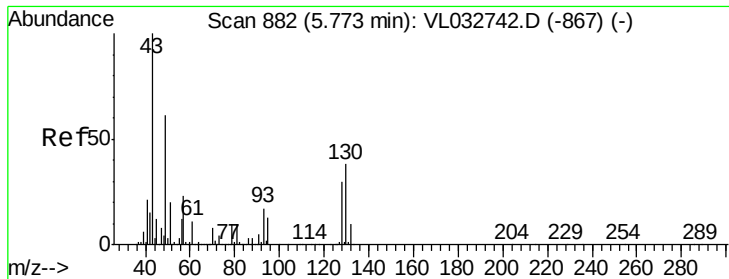
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.01 min

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MSVOA_L

ClientSampleId :

SV1DL

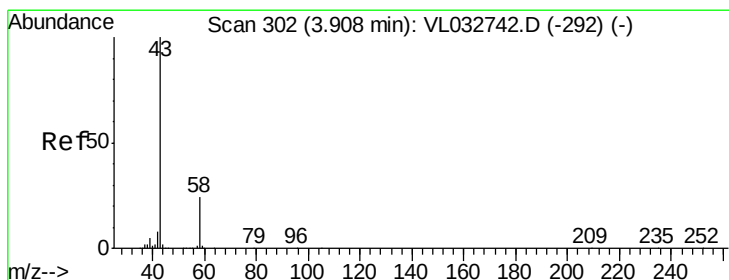
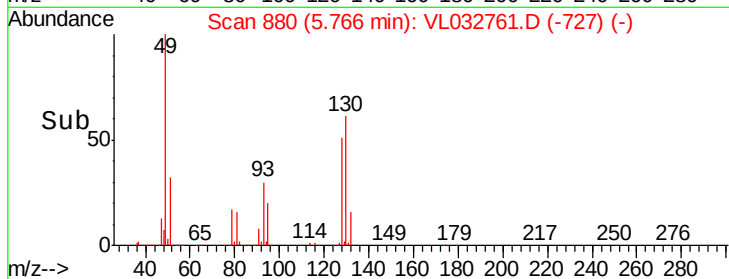
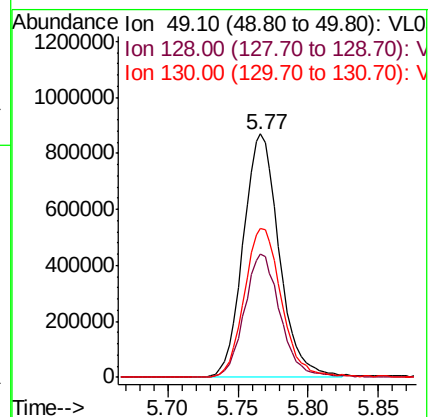
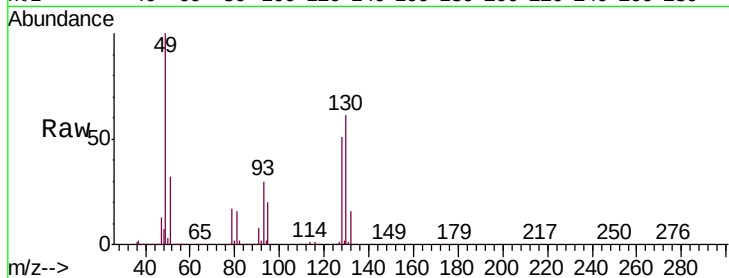
Tgt Ion: 49 Resp: 1558551

Ion Ratio Lower Upper

49 100

128 50.6 24.9 74.6

130 64.2 31.4 94.2



#15

Acetone

Concen: 0.326 ppbv

RT: 3.93 min Scan# 309

Delta R.T. 0.02 min

Lab File: VL032761.D

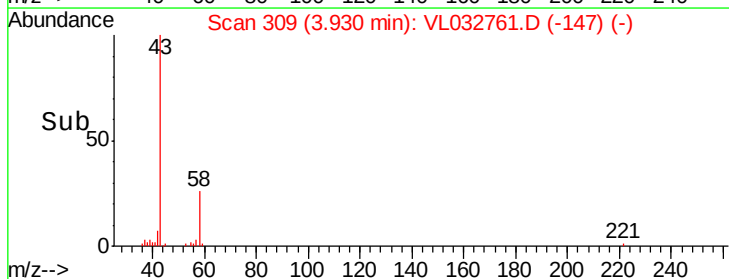
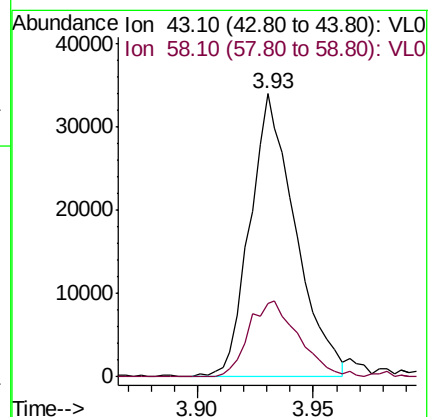
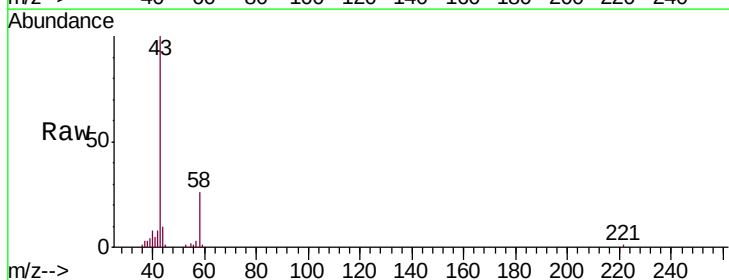
Acq: 14 Nov 2018 16:27

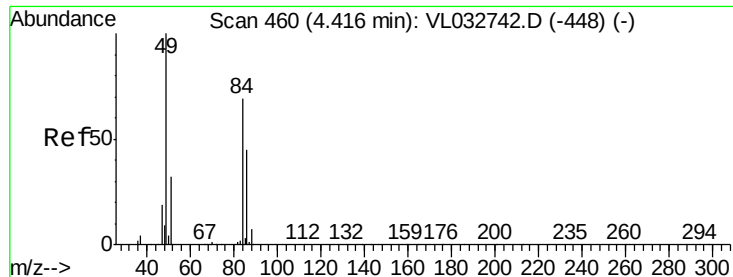
Tgt Ion: 43 Resp: 46385

Ion Ratio Lower Upper

43 100

58 29.3 21.1 31.7

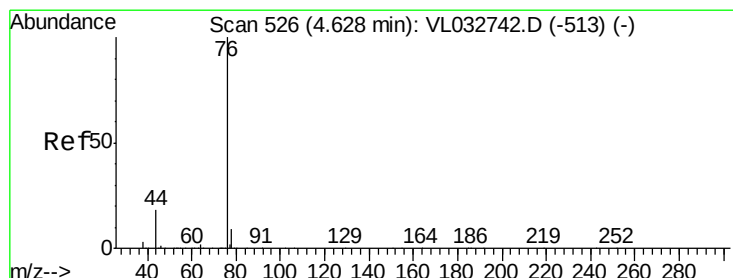
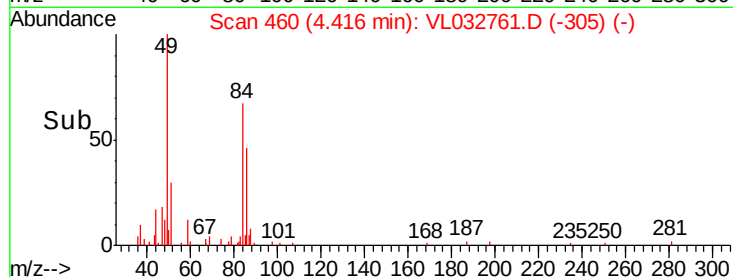
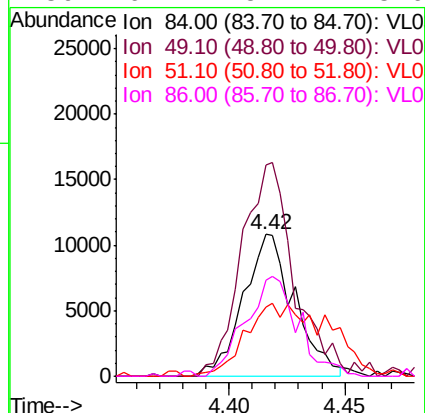
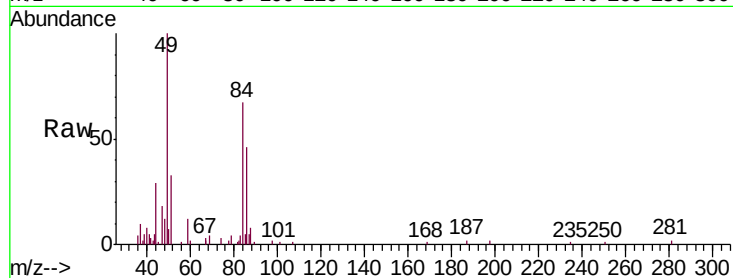




#20
Methylene Chloride
Concen: 0.226 ppbv
RT: 4.42 min Scan# 460
Delta R.T. -0.00 min
Lab File: VL032761.D
Acq: 14 Nov 2018 16:27

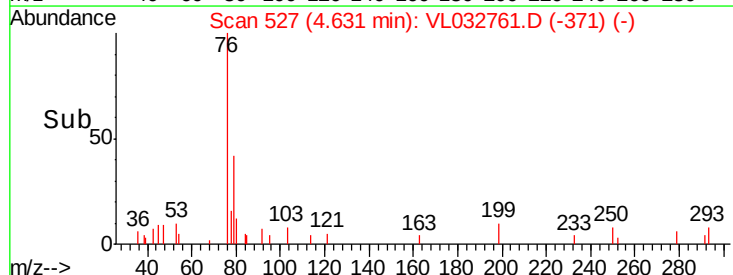
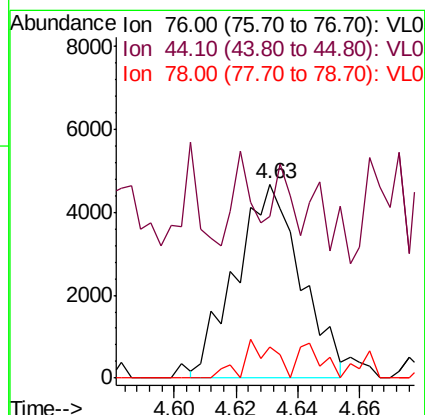
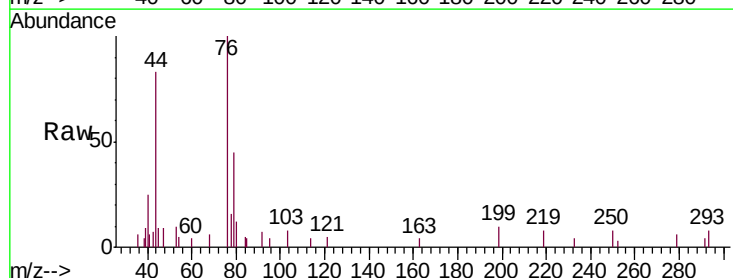
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

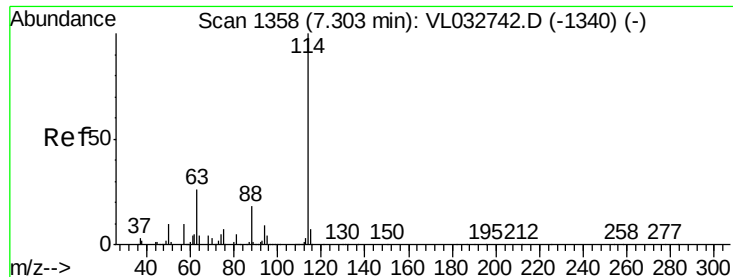
Tgt Ion:	84	Resp:	16667
Ion	Ratio	Lower	Upper
84	100		
49	158.4	115.8	173.6
51	48.7	36.9	55.3
86	64.2	52.4	78.6



#27
Carbon Disulfide
Concen: 0.037 ppbv
RT: 4.63 min Scan# 527
Delta R.T. 0.00 min
Lab File: VL032761.D
Acq: 14 Nov 2018 16:27

Tgt Ion:	76	Resp:	6848
Ion	Ratio	Lower	Upper
76	100		
44	48.9	14.4	21.6#
78	20.4	7.7	11.5#

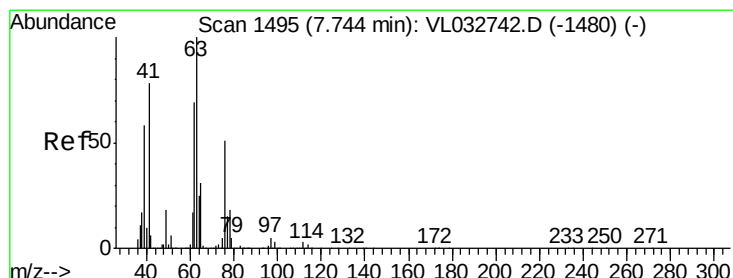
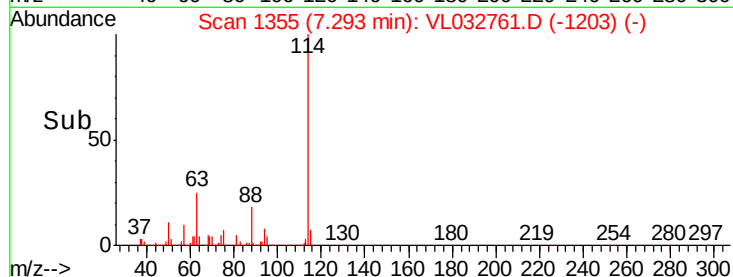
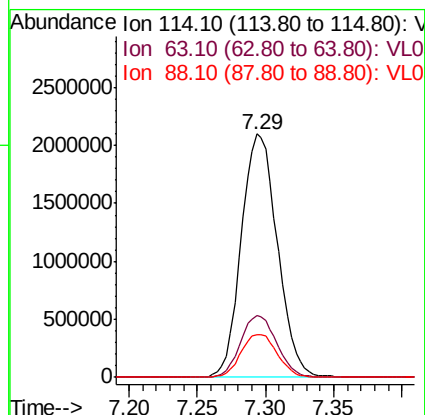
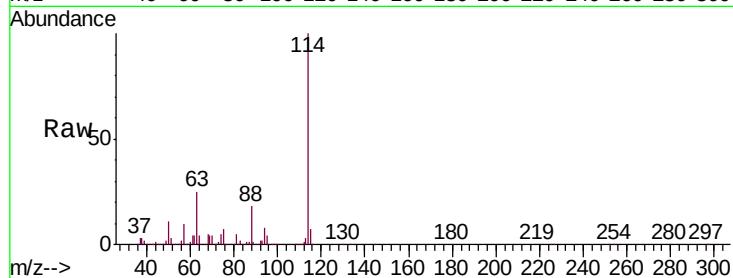




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. -0.01 min
 Lab File: VL032761.D
 Acq: 14 Nov 2018 16:27

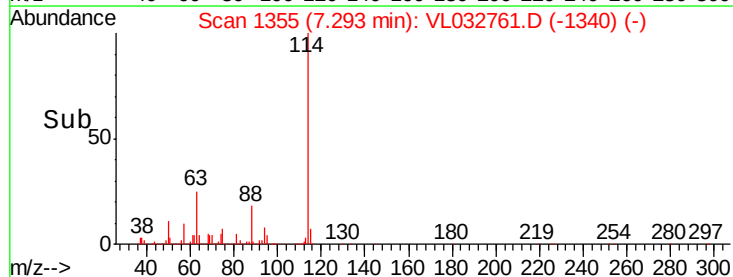
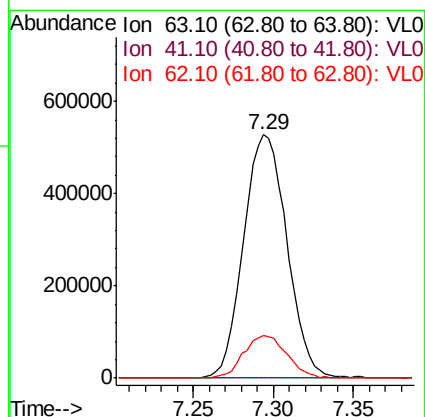
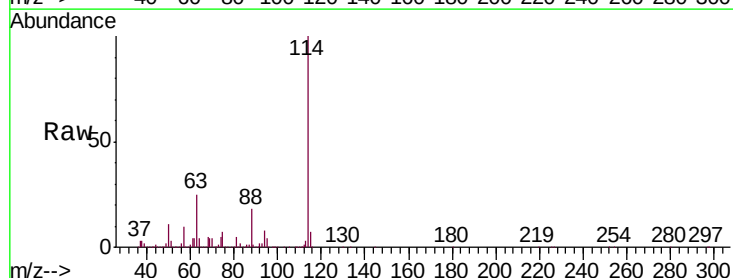
Instrument :
 MSVOA_L
 ClientSampled :
 SV1DL

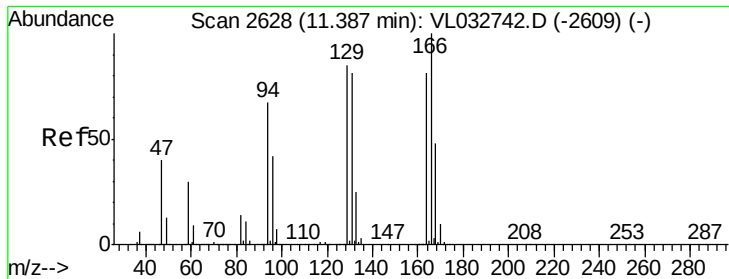
Tgt Ion:114 Resp: 3858946
 Ion Ratio Lower Upper
 114 100
 63 25.5 20.9 31.3
 88 17.8 14.4 21.6



#39
 1,2-Dichloropropane
 Concen: 8.370 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. -0.45 min
 Lab File: VL032761.D
 Acq: 14 Nov 2018 16:27

Tgt Ion: 63 Resp: 979997
 Ion Ratio Lower Upper
 63 100
 41 0.0 62.0 93.0#
 62 17.8 55.4 83.2#





#52

Tetrachloroethene

Concen: 5.882 ppbv

RT: 11.38 min Scan# 2626

Delta R.T. -0.01 min

Lab File: VL032761.D

Acq: 14 Nov 2018 16:27

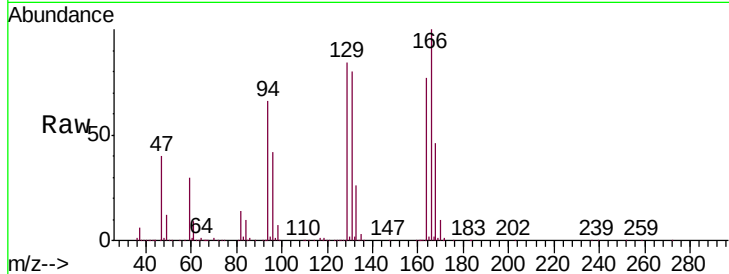
Instrument :

MSVOA_L

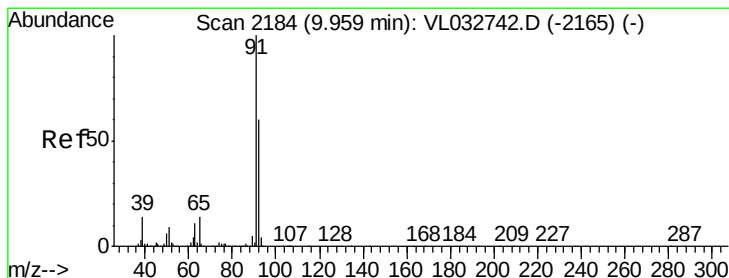
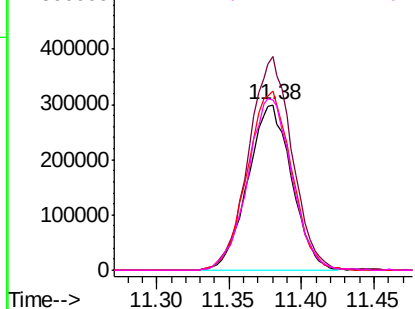
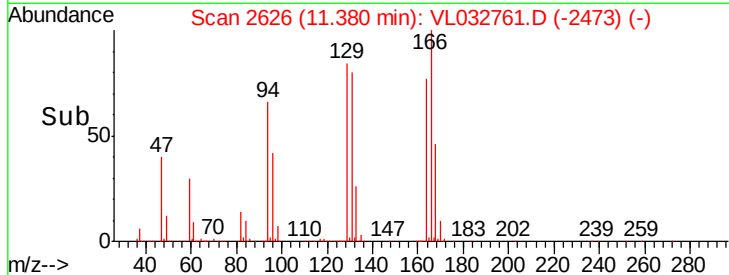
ClientSampleId :

SV1DL

Tgt Ion:	164	Resp:	628787
Ion	Ratio	Lower	Upper
164	100		
166	128.9	99.3	148.9
129	108.3	83.9	125.9
131	103.0	80.8	121.2



Abundance Ion 163.90 (163.60 to 164.60): V
 600000 Ion 165.90 (165.60 to 166.60): V
 500000 Ion 129.00 (128.70 to 129.70): V
 400000 Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 0.043 ppbv

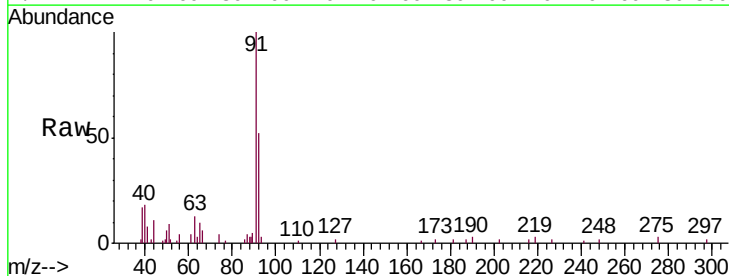
RT: 9.94 min Scan# 2179

Delta R.T. -0.02 min

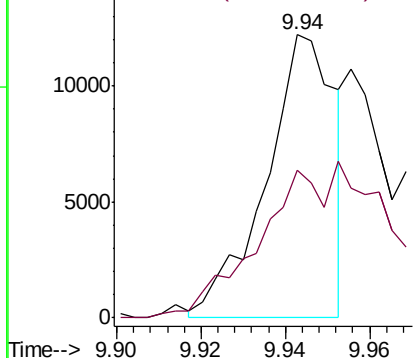
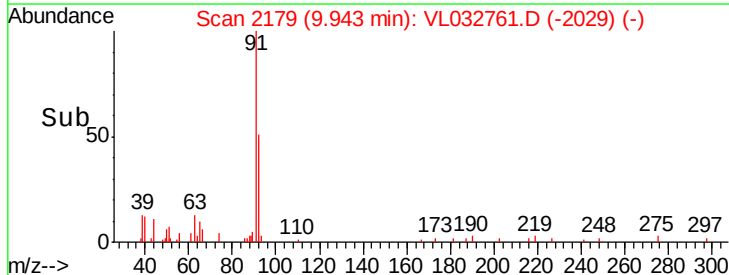
Lab File: VL032761.D

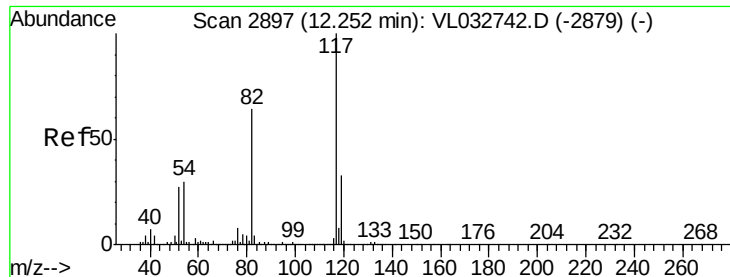
Acq: 14 Nov 2018 16:27

Tgt Ion:	91	Resp:	13811
Ion	Ratio	Lower	Upper
91	100		
92	0.0	47.9	71.9#



Abundance Ion 91.10 (90.80 to 91.80): VL0
 10000 Ion 92.10 (91.80 to 92.80): VL0

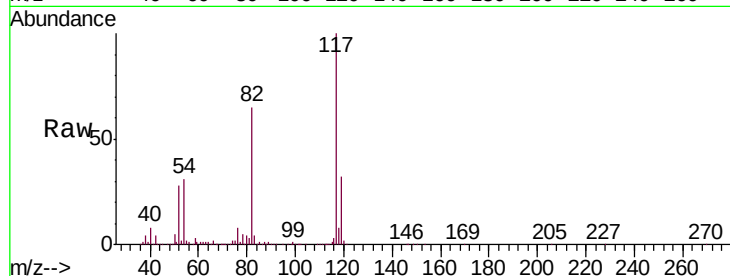




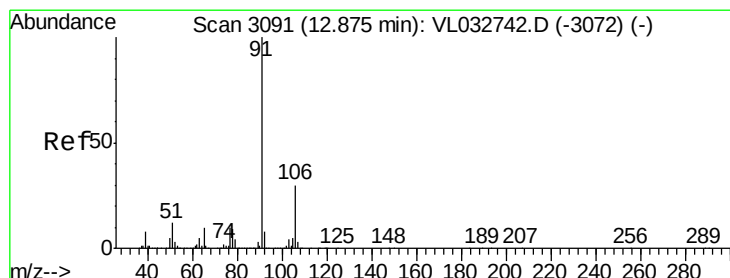
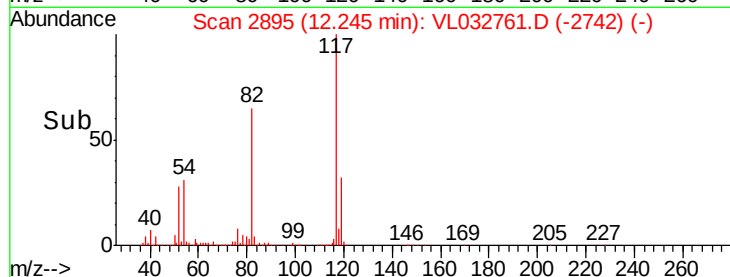
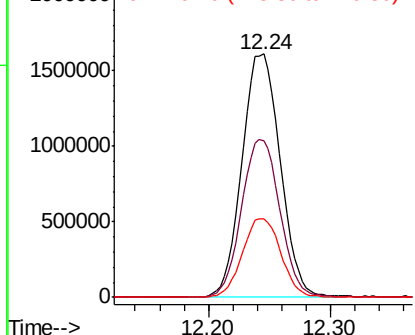
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2895
Delta R.T. -0.01 min
Lab File: VL032761.D
Acq: 14 Nov 2018 16:27

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 117 Resp: 3495482
Ion Ratio Lower Upper
117 100
82 65.6 51.0 76.6
119 32.8 28.0 42.0

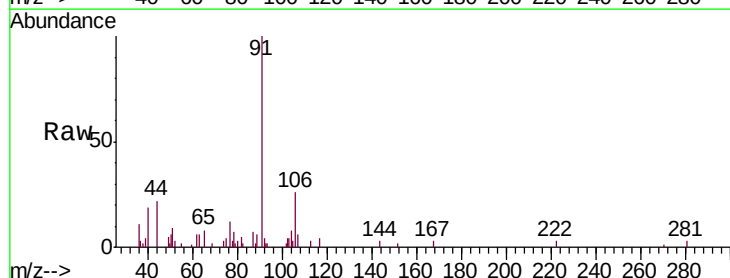


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

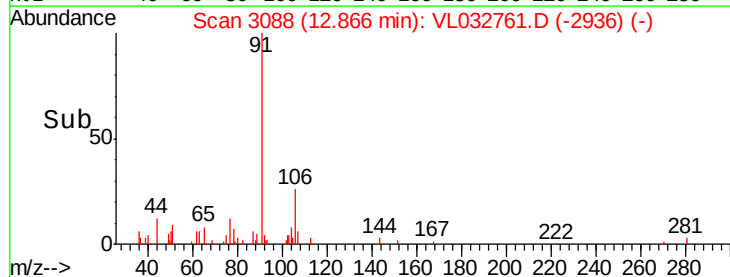
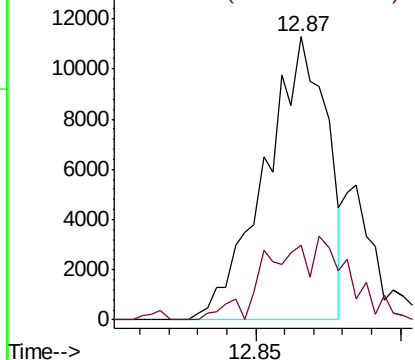


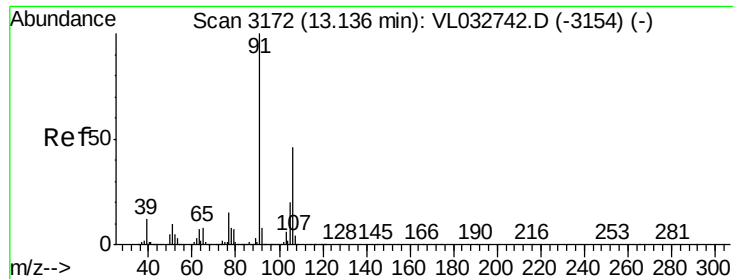
#58
Ethyl Benzene
Concen: 0.040 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. -0.01 min
Lab File: VL032761.D
Acq: 14 Nov 2018 16:27

Tgt Ion: 91 Resp: 16751
Ion Ratio Lower Upper
91 100
106 26.3 23.6 35.4



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

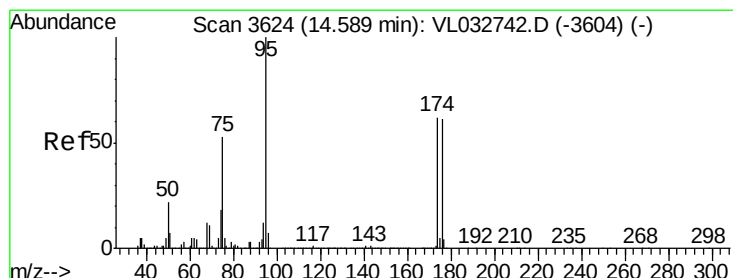
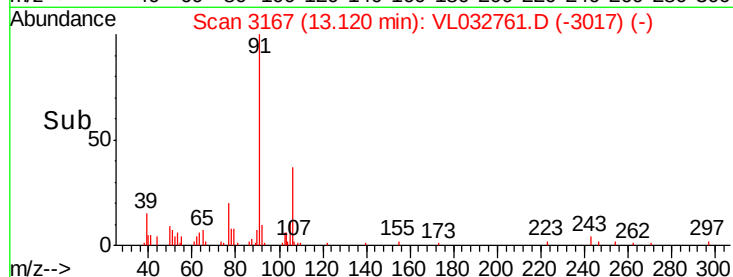
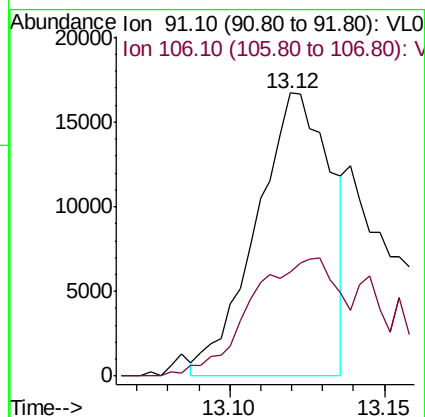
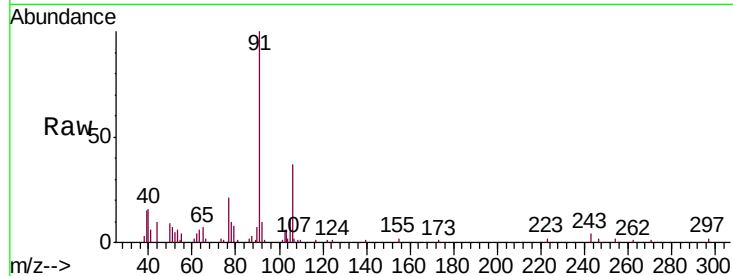




#59
m/p-Xylene
Concen: 0.075 ppbv
RT: 13.12 min Scan# 3167
Delta R.T. -0.02 min
Lab File: VL032761.D
Acq: 14 Nov 2018 16:27

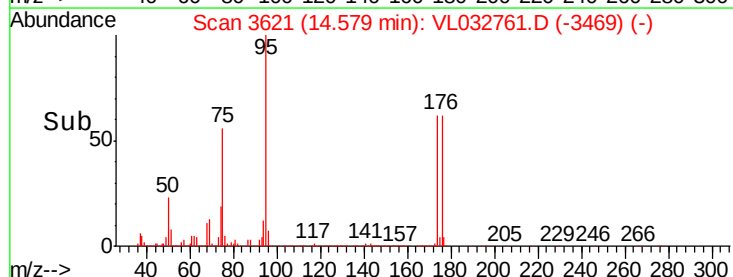
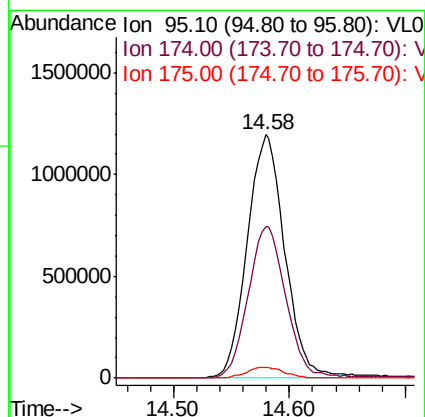
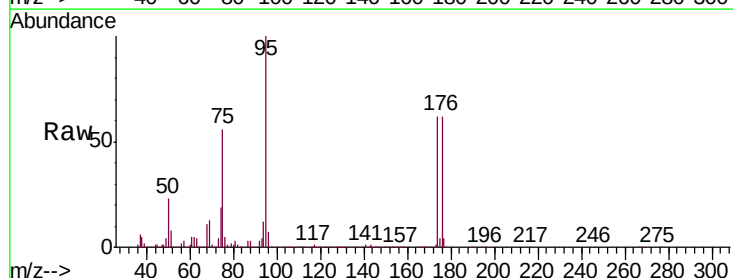
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

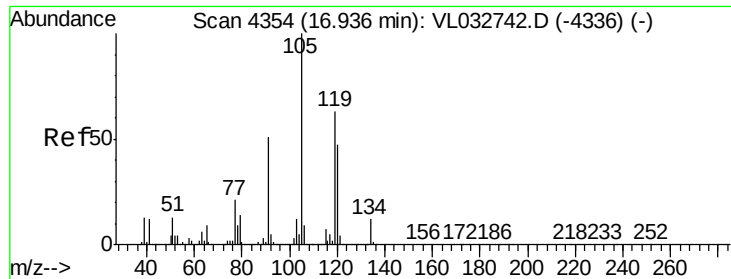
Tgt Ion: 91 Resp: 27929
Ion Ratio Lower Upper
91 100
106 79.2 36.1 54.1#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.282 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.01 min
Lab File: VL032761.D
Acq: 14 Nov 2018 16:27

Tgt Ion: 95 Resp: 2688053
Ion Ratio Lower Upper
95 100
174 64.1 50.7 76.1
175 4.6 3.8 5.6





#74
 1,2,4-Trimethylbenzene
 Concen: 0.032 ppbv
 RT: 16.92 min Scan# 4350
 Delta R.T. -0.01 min
 Lab File: VL032761.D
 Acq: 14 Nov 2018 16:27

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Tgt Ion:	105	Resp:	13890
Ion	Ratio	Lower	Upper
105	100		
120	46.9	37.6	56.4
91	12.9	42.5	63.7#
77	16.7	17.4	26.2#

