

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV012020\
 Data File : VV014350.D
 Acq On : 20 Jan 2020 12:20
 Operator : SY/MD
 Sample : L1169-01DL 5X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF758DL

Quant Time: Jan 20 14:33:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR010220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jan 20 14:21:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	981738	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	881603	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	409284	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	248614	3.62	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.40%
7) Chloroethane-d5	1.59	69	201107	3.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.80%
11) 1,1-Dichloroethene-d2	2.13	63	293042	2.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.80%#
20) 2-Butanone-d5	3.92	46	557661	33.80	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	67.60%
24) Chloroform-d	4.40	84	448058	3.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	67.40%#
26) 1,2-Dichloroethane-d4	5.08	65	227818	3.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.40%#
32) Benzene-d6	5.09	84	992176	3.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.40%
36) 1,2-Dichloropropane-d6	6.11	67	307598	3.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	75.40%
41) Toluene-d8	7.36	98	870136	3.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.40%
43) trans-1,3-Dichloropropene-	7.66	79	115386	3.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	64.00%
46) 2-Hexanone-d5	8.13	63	489647	32.05	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	64.10%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	198493	3.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	69.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	279224	3.63	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	72.60%#

Target Compounds

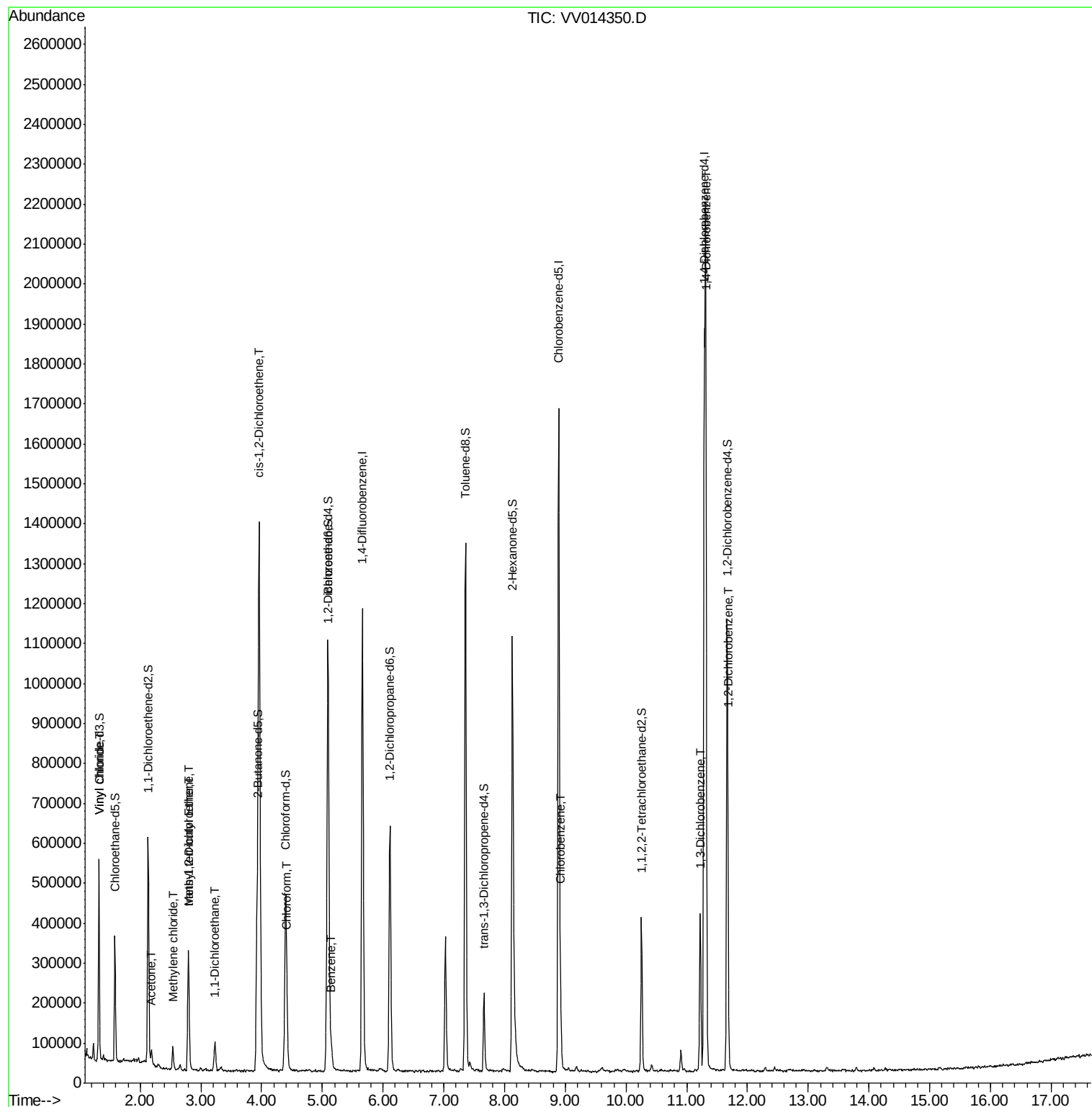
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	53653	0.781	ug/L	90
13) Acetone	2.19	43	27824	2.449	ug/L	96
16) Methylene chloride	2.54	84	25088	0.351	ug/L	89
17) Methyl tert-butyl Ether	2.80	73	28127	0.173	ug/L	96
18) trans-1,2-Dichloroethene	2.79	96	102644	1.557	ug/L	92
19) 1,1-Dichloroethane	3.23	63	76022	0.588	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	732145	10.130	ug/L #	96
25) Chloroform	4.42	83	19982	0.162	ug/L	91
33) Benzene	5.15	78	61001	0.225	ug/L	100
51) Chlorobenzene	8.92	112	96837	0.549	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	156963	1.227	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	792814	6.231	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	25493	0.221	ug/L	96

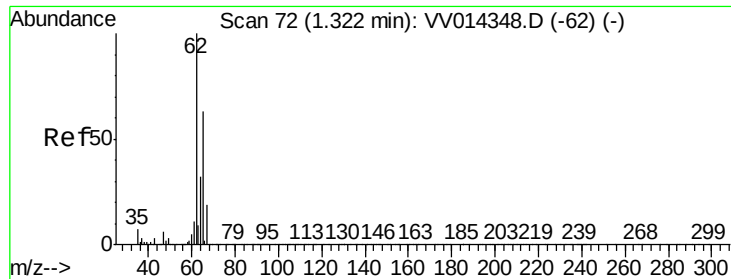
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.781 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV014350.D

Acq: 20 Jan 2020 12:20

Instrument :

MSVOA_V

ClientSampleId :

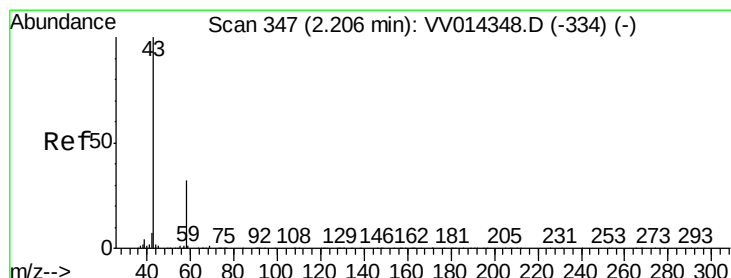
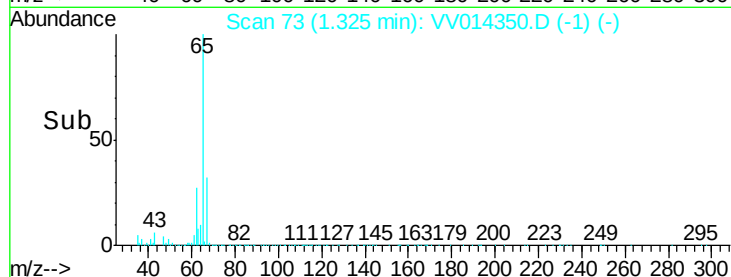
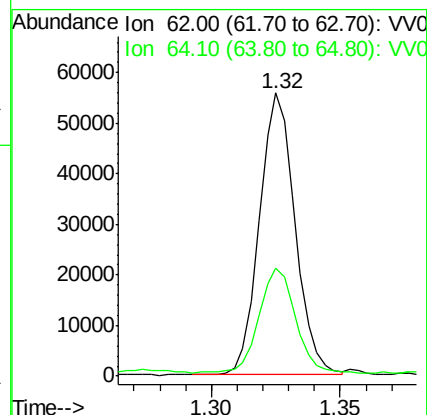
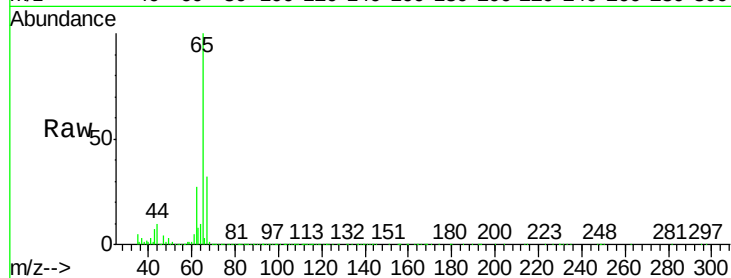
BF758DL

Tot Ion: 62 Resp: 53653

Ion Ratio Lower Upper

62 100

64 38.4 23.0 42.6



#13

Acetone

Concen: 2.449 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.02 min

Lab File: VV014350.D

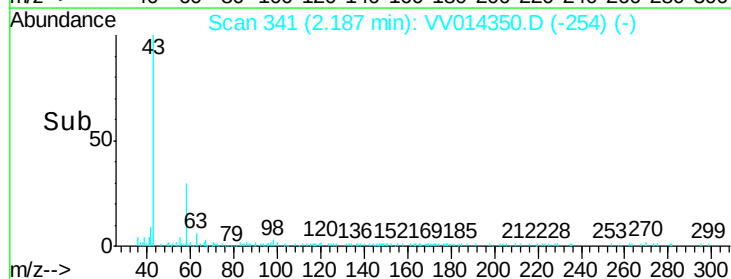
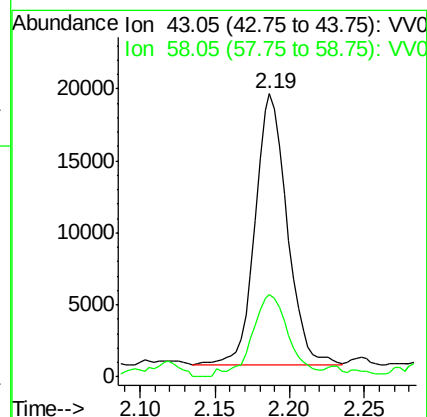
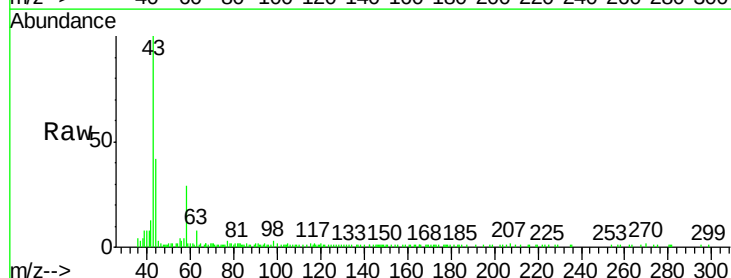
Acq: 20 Jan 2020 12:20

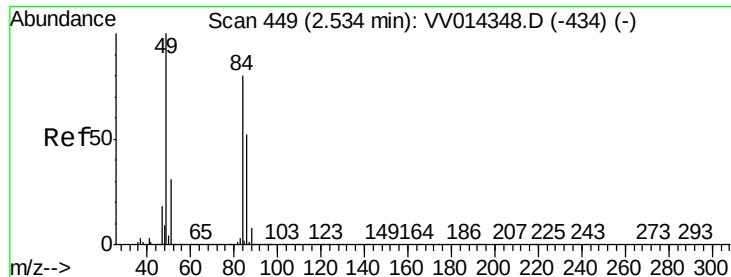
Tgt Ion: 43 Resp: 27824

Ion Ratio Lower Upper

43 100

58 35.3 0.0 66.0

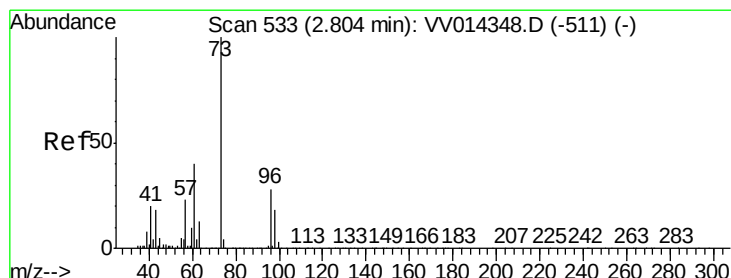
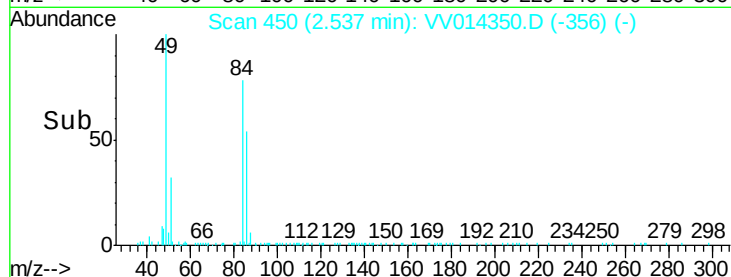
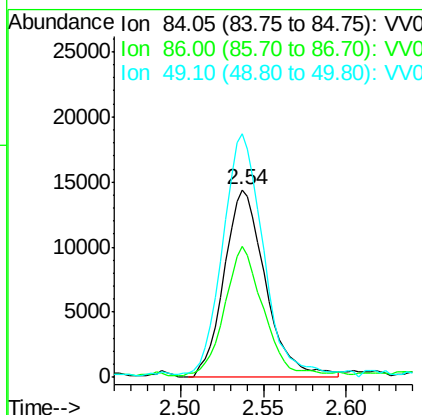
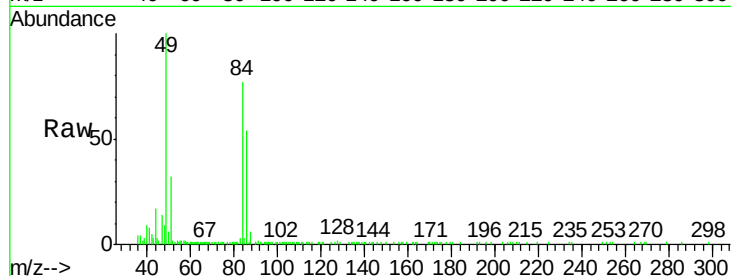




#16
Methylene chloride
Concen: 0.351 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV014350.D
Acq: 20 Jan 2020 12:20

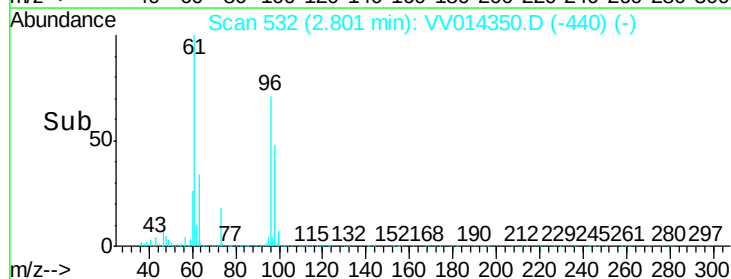
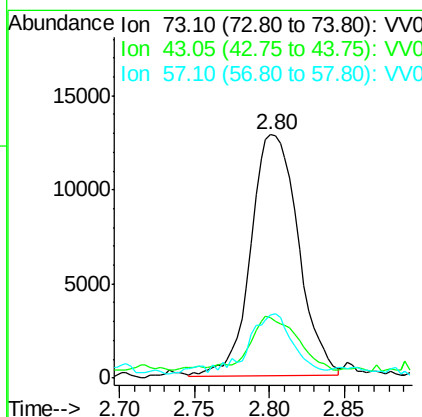
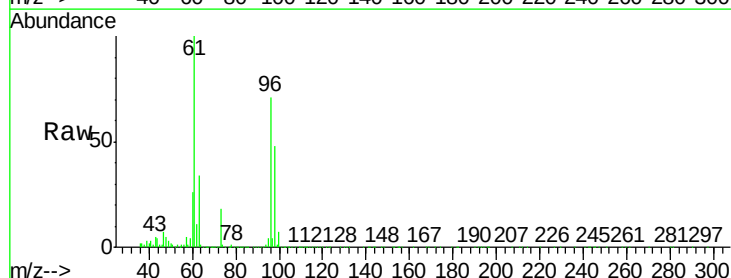
Instrument :
MSVOA_V
ClientSampleId :
BF758DL

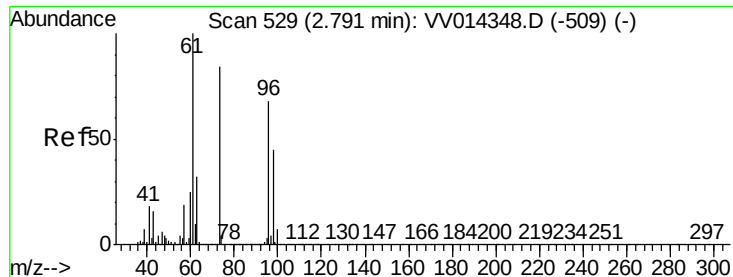
Tot Ion: 84 Resp: 25088
Ion Ratio Lower Upper
84 100
86 69.6 43.1 80.1
49 130.0 82.1 152.5



#17
Methyl tert-butyl Ether
Concen: 0.173 ug/L
RT: 2.80 min Scan# 532
Delta R.T. -0.00 min
Lab File: VV014350.D
Acq: 20 Jan 2020 12:20

Tgt Ion: 73 Resp: 28127
Ion Ratio Lower Upper
73 100
43 21.6 14.7 22.1
57 21.7 17.9 26.9





#18

trans-1,2-Dichloroethene

Concen: 1.557 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV014350.D

Acq: 20 Jan 2020 12:20

Instrument :

MSVOA_V

ClientSampleId :

BF758DL

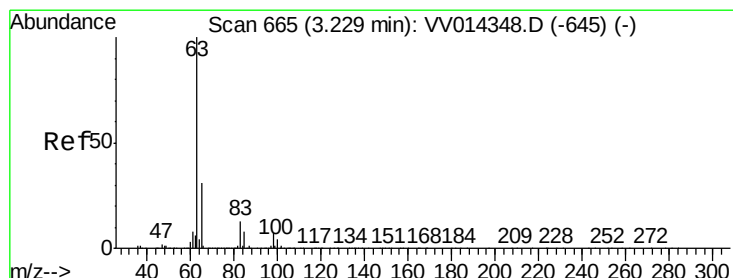
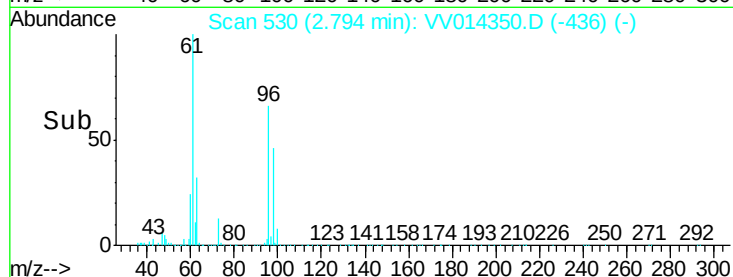
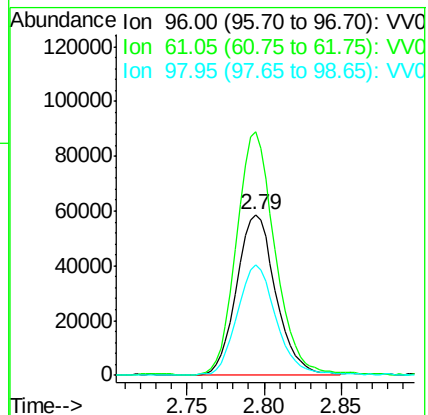
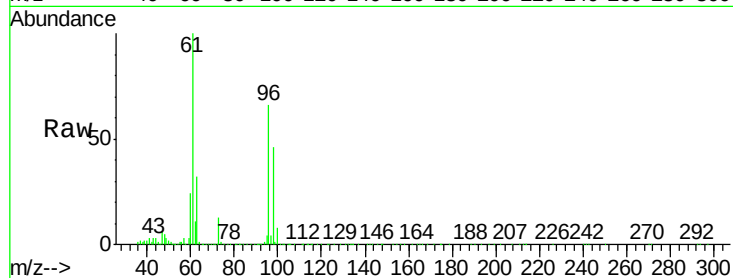
Tot Ion: 96 Resp: 102644

Ion Ratio Lower Upper

96 100

61 151.4 99.2 184.2

98 68.9 43.1 80.1



#19

1,1-Dichloroethane

Concen: 0.588 ug/L

RT: 3.23 min Scan# 665

Delta R.T. -0.00 min

Lab File: VV014350.D

Acq: 20 Jan 2020 12:20

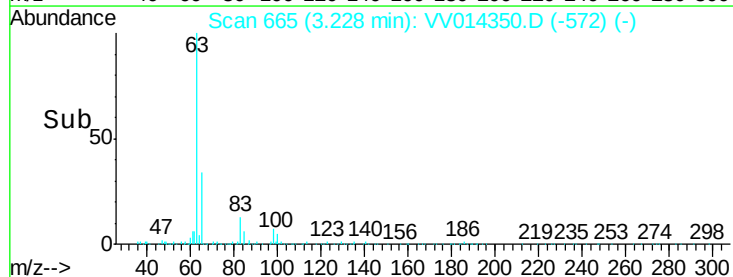
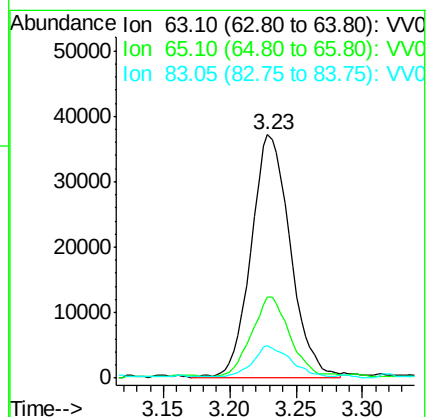
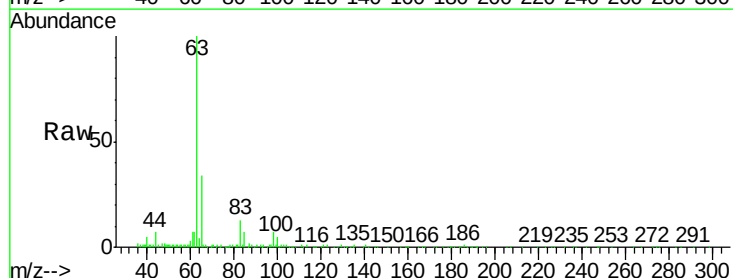
Tgt Ion: 63 Resp: 76022

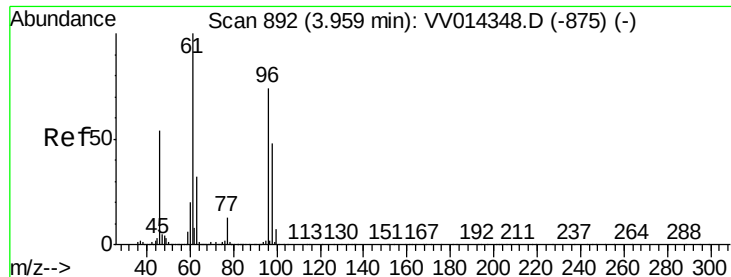
Ion Ratio Lower Upper

63 100

65 33.5 22.7 42.3

83 13.3 10.0 18.6



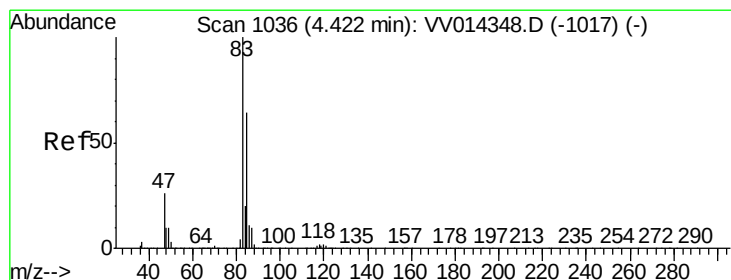
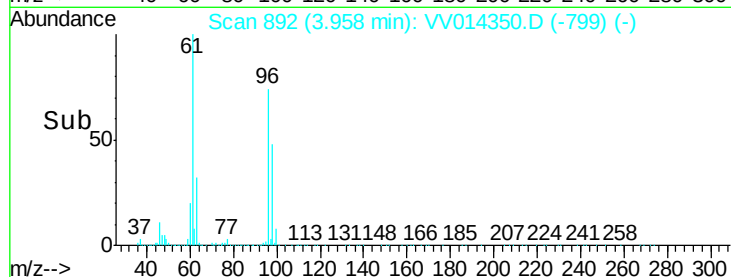
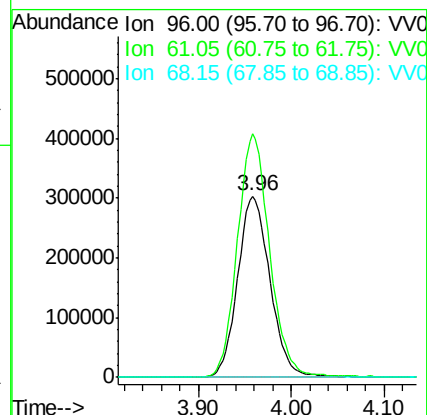
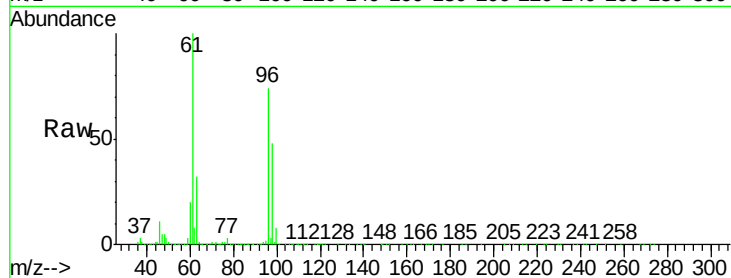


#22

cis-1,2-Dichloroethene
Concen: 10.130 ug/L
RT: 3.96 min Scan# 892
Delta R.T. -0.00 min
Lab File: VV014350.D
Acq: 20 Jan 2020 12:20

Instrument :
MSVOA_V
ClientSampleId :
BF758DL

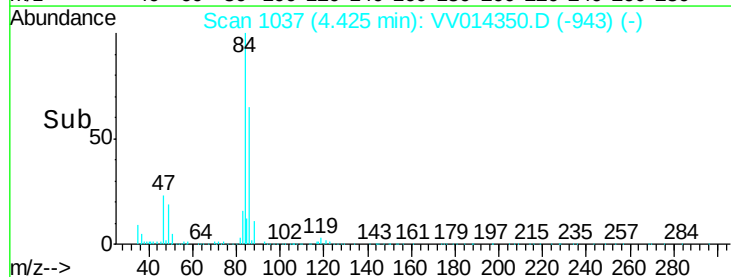
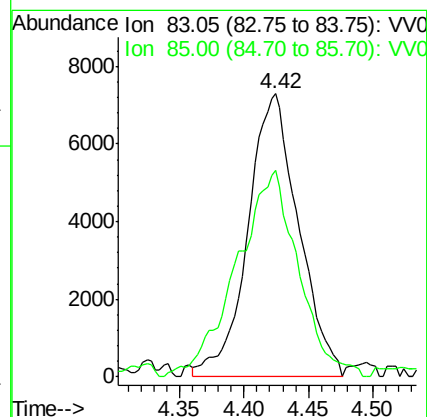
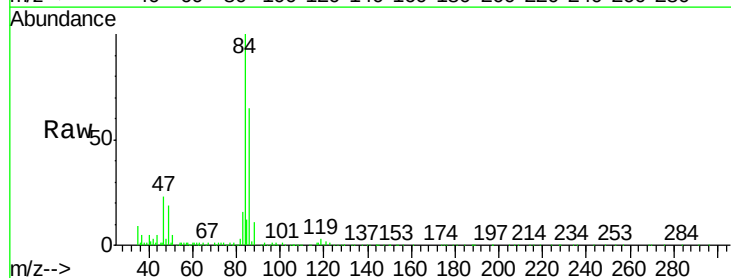
Tot Ion	Ratio	Lower	Upper
96	100		
61	134.3	90.6	168.3
68	0.1	0.3	0.7

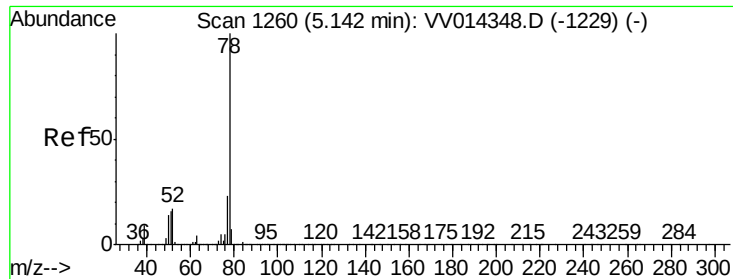


#25

Chloroform
Concen: 0.162 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV014350.D
Acq: 20 Jan 2020 12:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	73.1	46.2	85.8





#33

Benzene

Concen: 0.225 ug/L

RT: 5.15 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VV014350.D

Acq: 20 Jan 2020 12:20

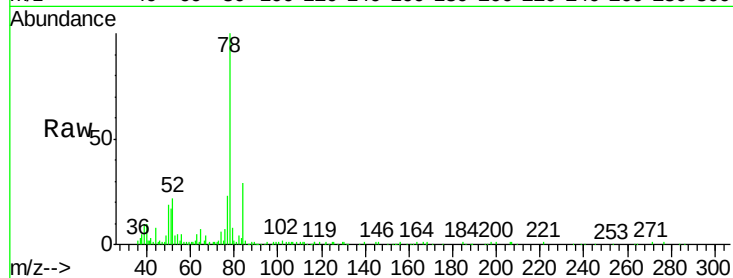
Instrument :

MSVOA_V

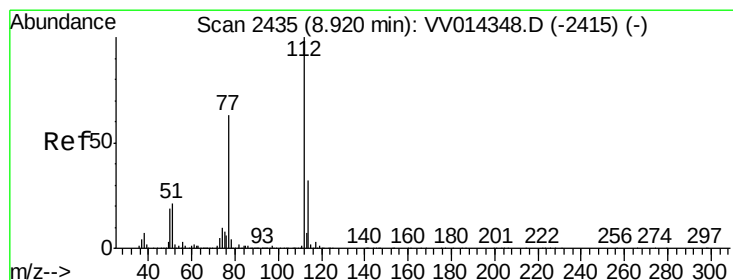
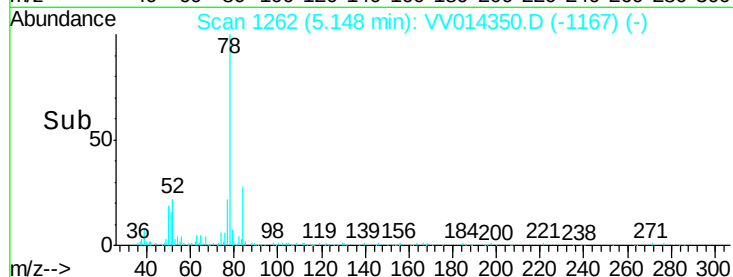
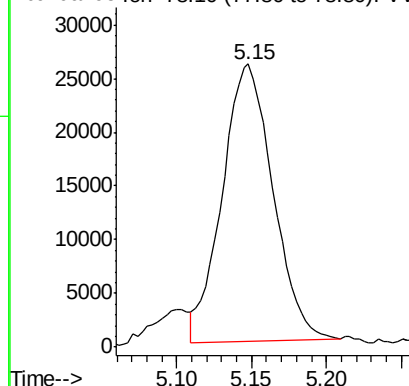
ClientSampleId :

BF758DL

Tgt Ion: 78 Resp: 61001



Abundance Ion 78.10 (77.80 to 78.80): VV0



#51

Chlorobenzene

Concen: 0.549 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV014350.D

Acq: 20 Jan 2020 12:20

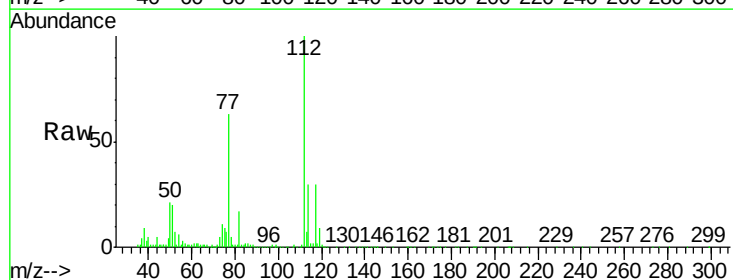
Tgt Ion: 112 Resp: 96837

Ion Ratio Lower Upper

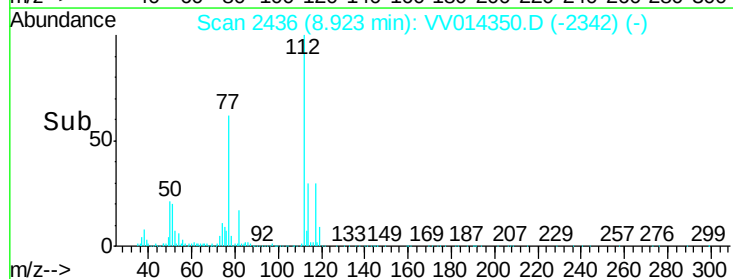
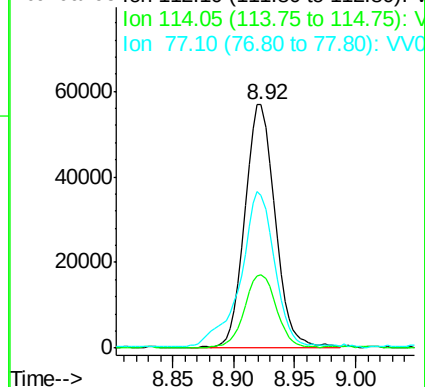
112 100

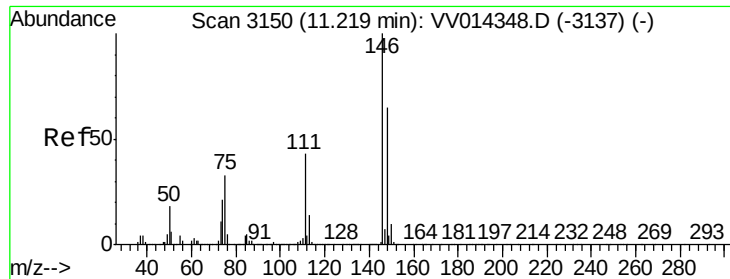
114 30.0 22.5 41.7

77 62.9 49.3 73.9



Abundance Ion 112.10 (111.80 to 112.80): V

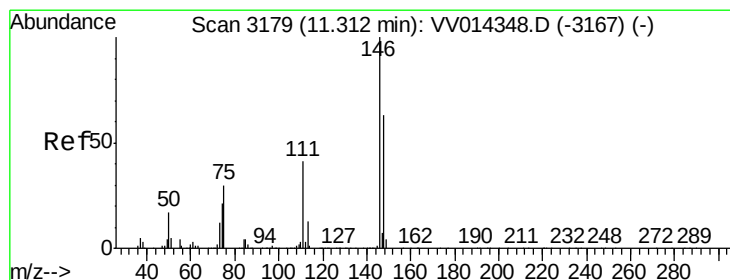
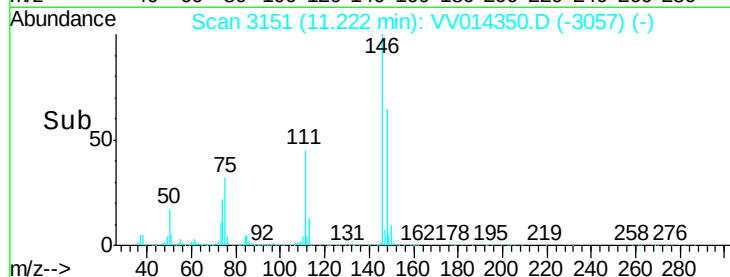
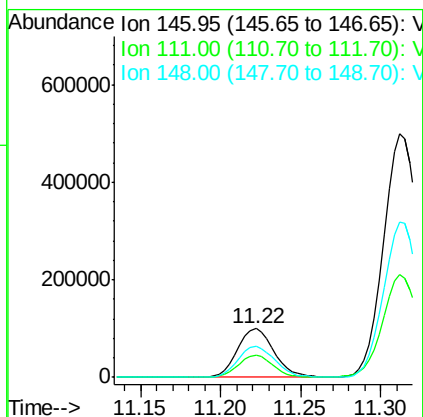
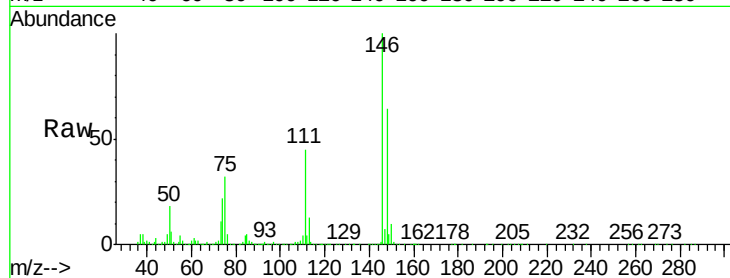




#62
 1,3-Dichlorobenzene
 Concen: 1.227 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV014350.D
 Acq: 20 Jan 2020 12:20

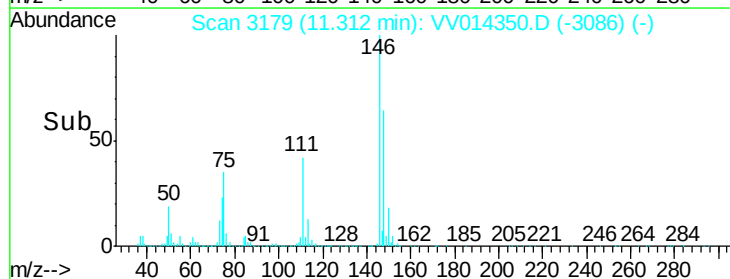
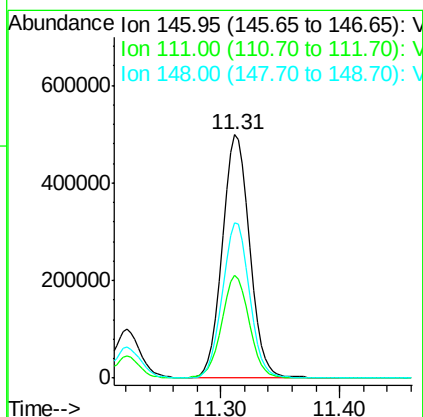
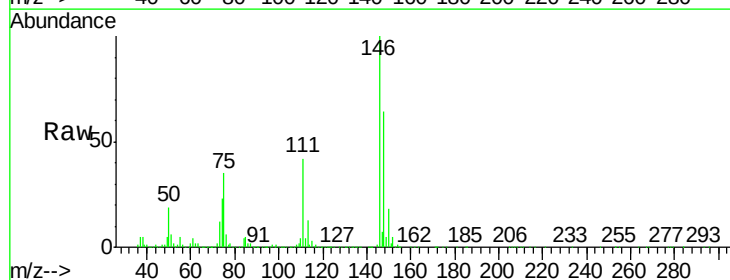
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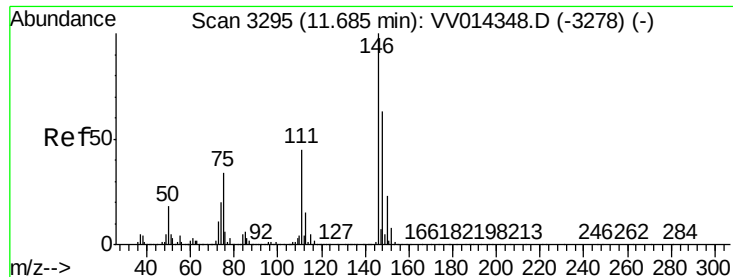
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	30.7	57.1
148	63.7	44.4	82.5



#63
 1,4-Dichlorobenzene
 Concen: 6.231 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. -0.00 min
 Lab File: VV014350.D
 Acq: 20 Jan 2020 12:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	28.8	53.4
148	64.0	44.5	82.7





#65
 1,2-Dichlorobenzene
 Concen: 0.221 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV014350.D
 Acq: 20 Jan 2020 12:20

Instrument :
 MSVOA_V
 ClientSampleId :
 BF758DL

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.8	36.4	54.6
148	65.7	51.3	76.9

