

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122019\
 Data File : VV014150.D
 Acq On : 20 Dec 2019 13:01
 Operator : SY/MD
 Sample : K6286-14DL 2X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFDZ0DL

Quant Time: Dec 23 08:29:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Dec 23 08:15:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	410168	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	395838	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	171954	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	123796	4.88	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.60%
7) Chloroethane-d5	1.58	69	109960	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.00%
11) 1,1-Dichloroethene-d2	2.13	63	160622	3.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.20%
20) 2-Butanone-d5	3.92	46	248650	47.11	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.22%
24) Chloroform-d	4.40	84	230305	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.00%
26) 1,2-Dichloroethane-d4	5.08	65	113257	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
32) Benzene-d6	5.09	84	448954	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.00%
36) 1,2-Dichloropropane-d6	6.11	67	138876	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.20%
41) Toluene-d8	7.36	98	356947	3.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.40%
43) trans-1,3-Dichloropropene-	7.66	79	44435	3.75	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.00%
46) 2-Hexanone-d5	8.13	63	163592	37.44	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	74.88%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	90537	4.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	140376	4.62	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.40%

Target Compounds

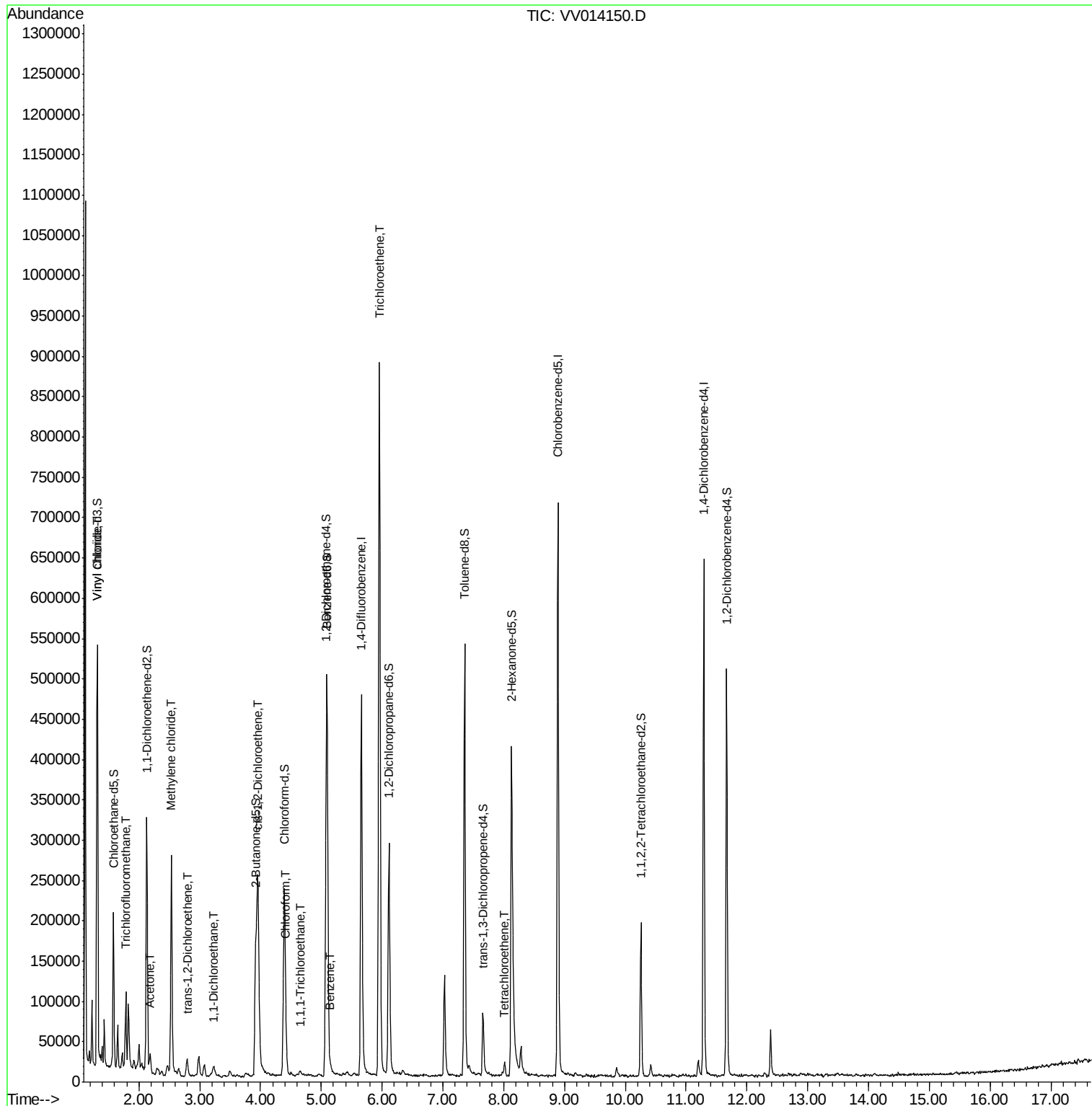
					Ovalue
5) Vinyl chloride	1.33	62	5487	0.224 ug/L #	58
9) Trichlorofluoromethane	1.77	101	5714	0.150 ug/L	94
13) Acetone	2.18	43	20613	5.585 ug/L	69
16) Methylene chloride	2.53	84	102693	3.802 ug/L	93
18) trans-1,2-Dichloroethene	2.79	96	4548	0.204 ug/L	85
19) 1,1-Dichloroethane	3.23	63	10451	0.235 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	121052	4.636 ug/L #	91
25) Chloroform	4.42	83	8066	0.171 ug/L	92
29) 1,1,1-Trichloroethane	4.65	97	3303	0.082 ug/L #	79
33) Benzene	5.14	78	6711	0.069 ug/L	100
34) Trichloroethene	5.96	95	302022	11.276 ug/L	99
47) Tetrachloroethene	8.01	164	4127	0.177 ug/L	84

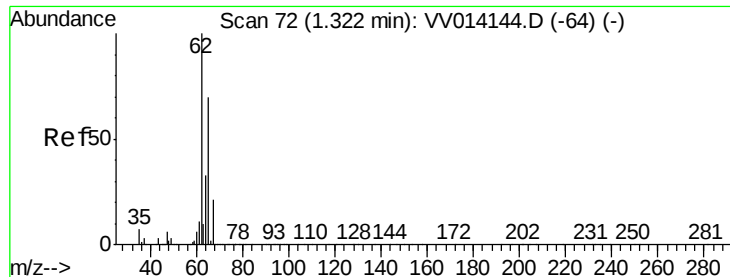
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Dec 23 08:15:07 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.224 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV014150.D

Acq: 20 Dec 2019 13:01

Instrument :

MSVOA_V

ClientSampleId :

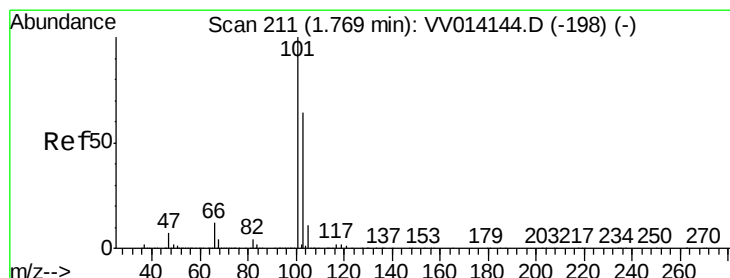
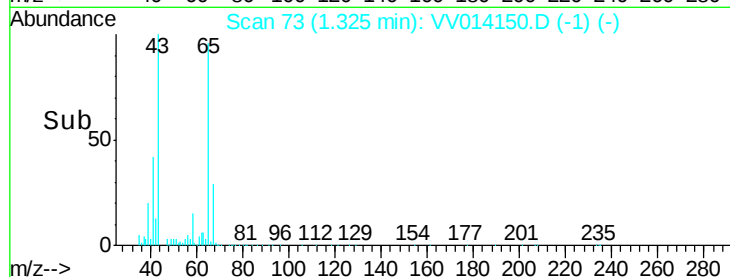
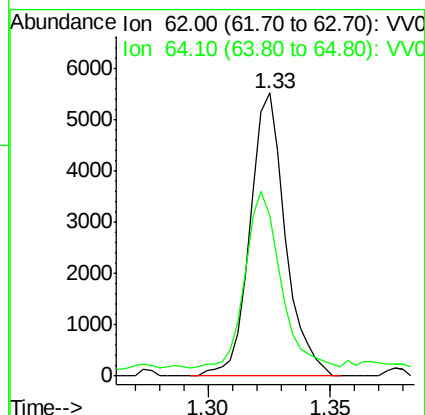
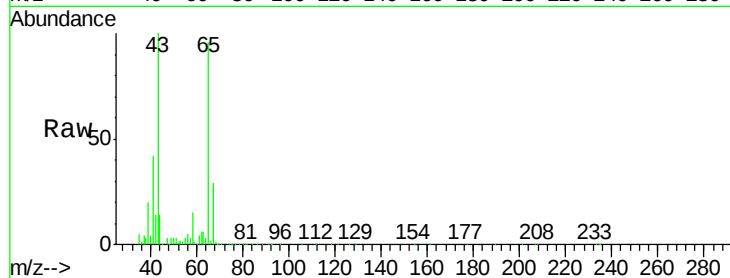
BFDZ0DL

Tot Ion: 62 Resp: 5487

Ion Ratio Lower Upper

62 100

64 56.9 23.3 43.3#



#9

Trichlorofluoromethane

Concen: 0.150 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV014150.D

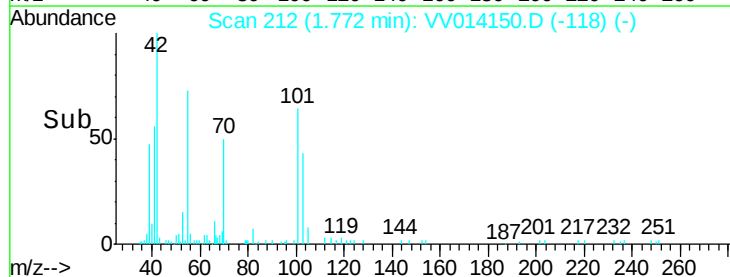
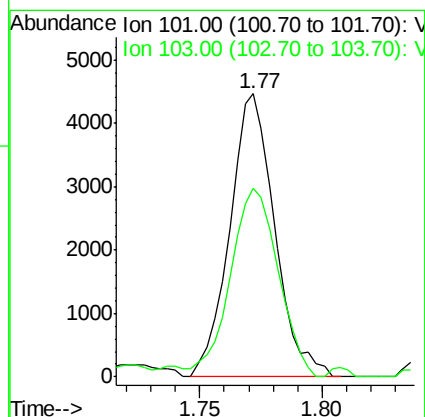
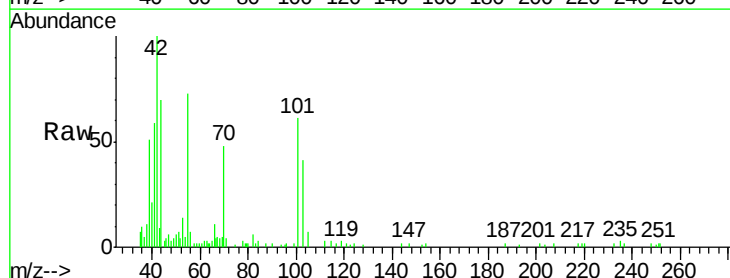
Acq: 20 Dec 2019 13:01

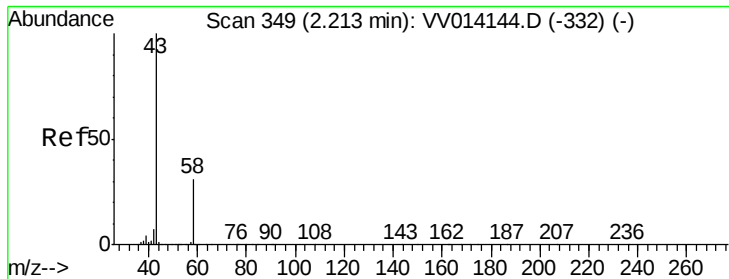
Tgt Ion: 101 Resp: 5714

Ion Ratio Lower Upper

101 100

103 71.2 52.9 79.3





#13

Acetone

Concen: 5.585 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.03 min

Lab File: VV014150.D

Acq: 20 Dec 2019 13:01

Instrument :

MSVOA_V

ClientSampleId :

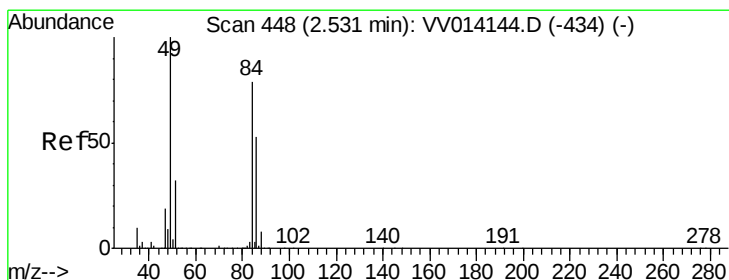
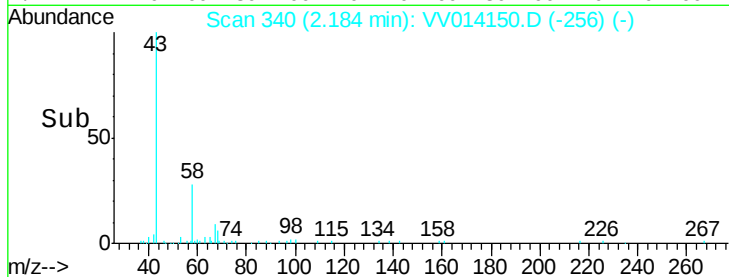
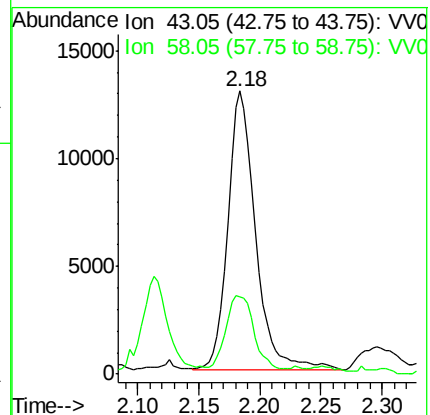
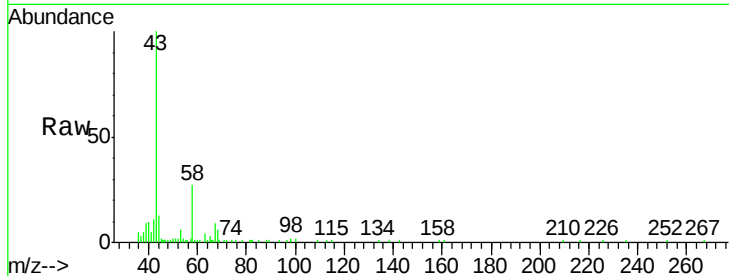
BFDZ0DL

Tot Ion: 43 Resp: 20613

Ion Ratio Lower Upper

43 100

58 26.2 0.0 27.2



#16

Methylene chloride

Concen: 3.802 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV014150.D

Acq: 20 Dec 2019 13:01

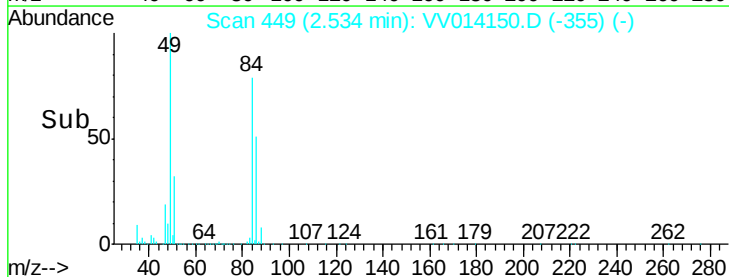
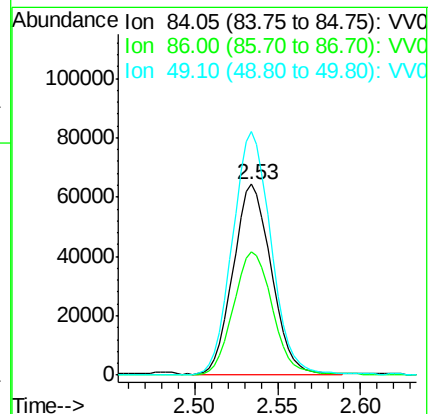
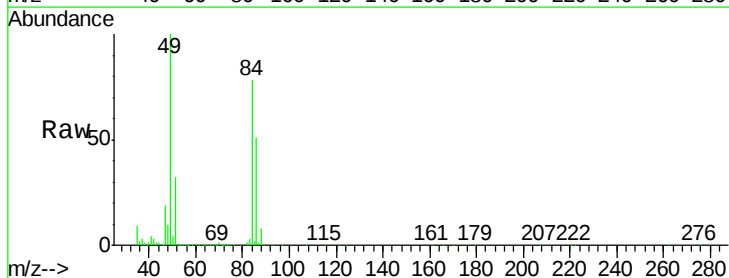
Tgt Ion: 84 Resp: 102693

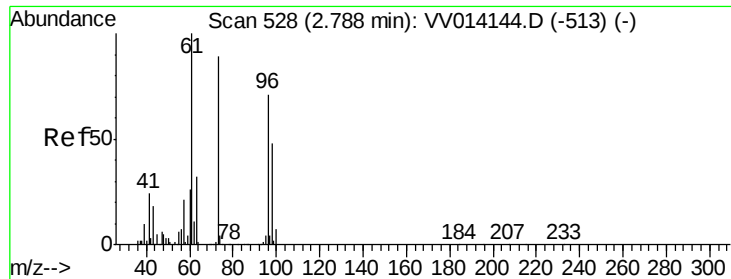
Ion Ratio Lower Upper

84 100

86 64.5 44.0 81.6

49 127.5 81.5 151.5

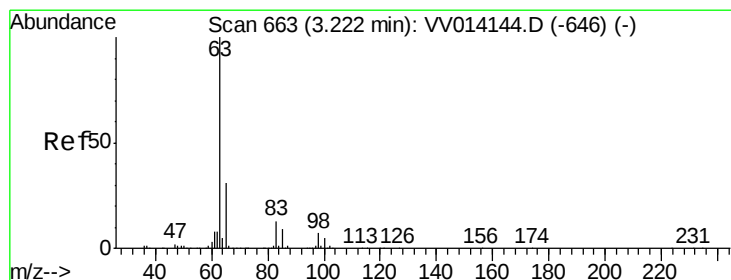
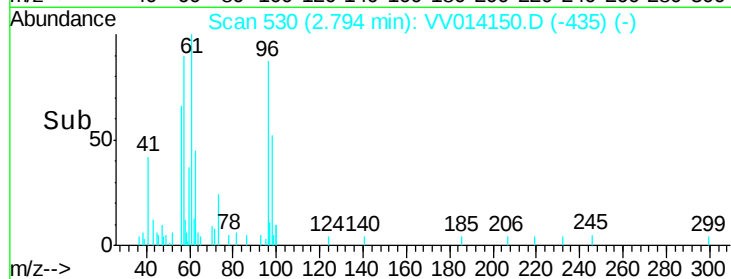
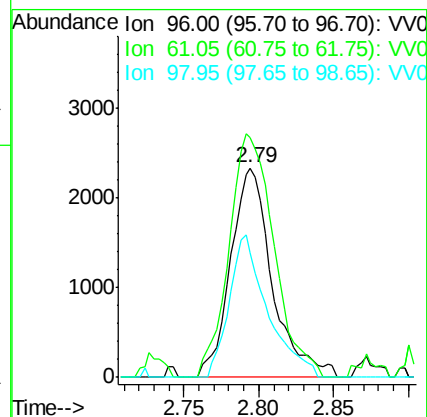
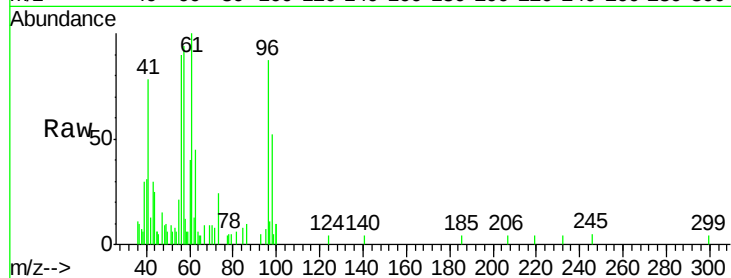




#18
trans-1,2-Dichloroethene
Concen: 0.204 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.01 min
Lab File: VV014150.D
Acq: 20 Dec 2019 13:01

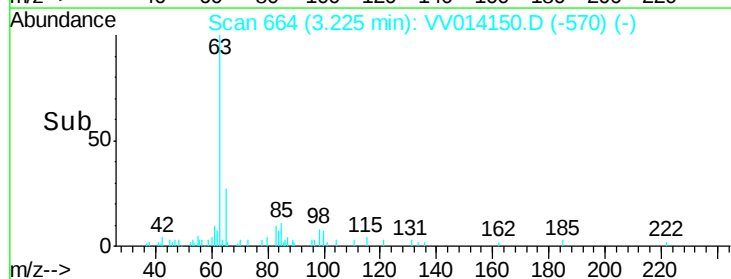
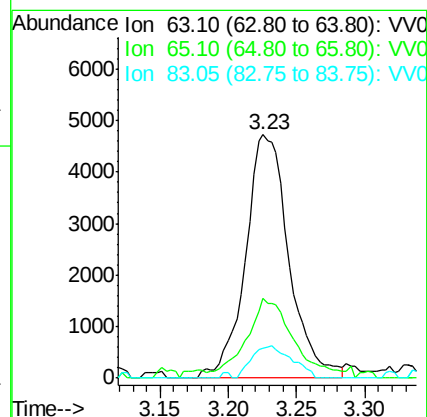
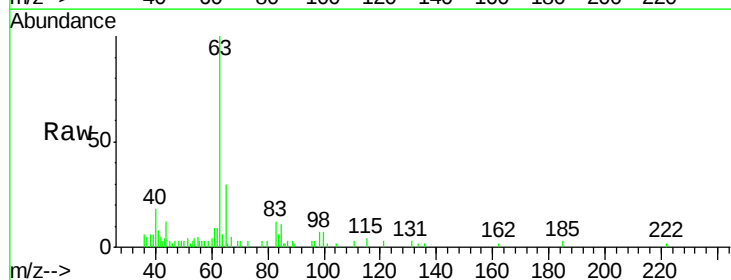
Instrument :
MSVOA_V
ClientSampleId :
BFDZ0DL

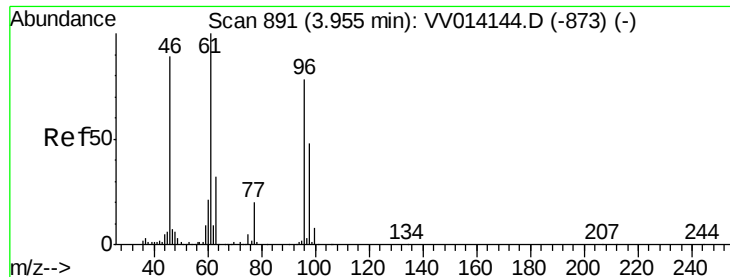
Tot Ion: 96 Resp: 4548
Ion Ratio Lower Upper
96 100
61 114.6 95.1 176.7
98 59.3 46.5 86.3



#19
1,1-Dichloroethane
Concen: 0.235 ug/L
RT: 3.23 min Scan# 664
Delta R.T. 0.00 min
Lab File: VV014150.D
Acq: 20 Dec 2019 13:01

Tgt Ion: 63 Resp: 10451
Ion Ratio Lower Upper
63 100
65 32.5 22.7 42.1
83 12.4 9.2 17.2



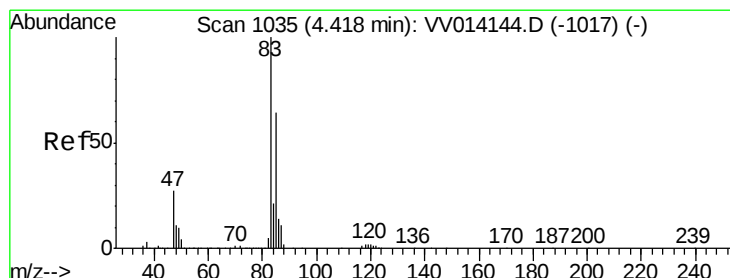
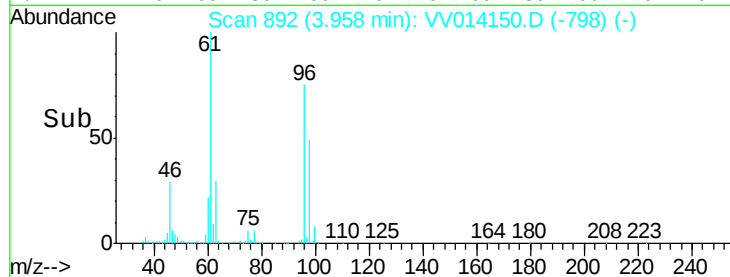
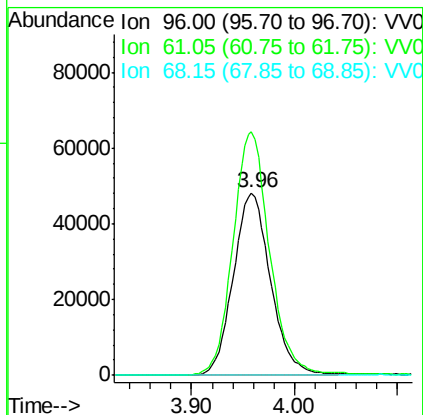
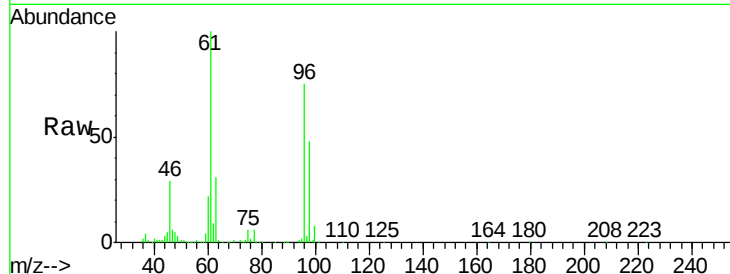


#22

cis-1,2-Dichloroethene
 Concen: 4.636 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV014150.D
 Acq: 20 Dec 2019 13:01

Instrument :
 MSVOA_V
 ClientSampleId :
 BFDZ0DL

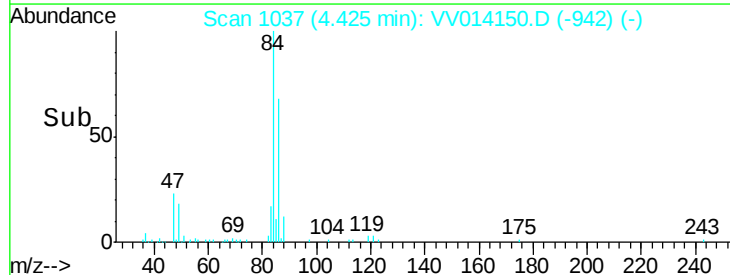
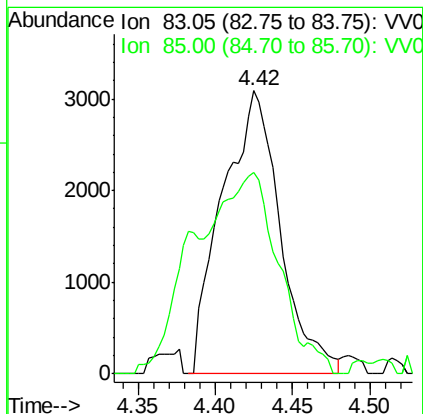
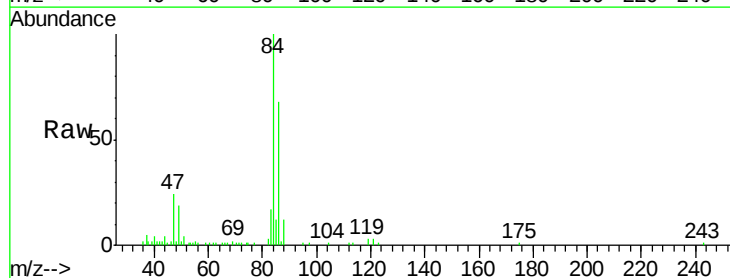
Tot Ion: 96 Resp: 121052
 Ion Ratio Lower Upper
 96 100
 61 133.6 86.1 159.9
 68 0.2 0.0 0.0#

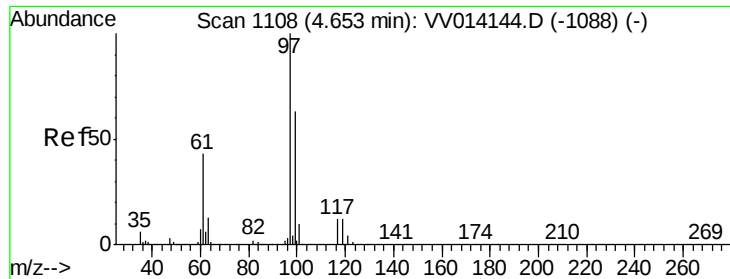


#25

Chloroform
 Concen: 0.171 ug/L
 RT: 4.42 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VV014150.D
 Acq: 20 Dec 2019 13:01

Tgt Ion: 83 Resp: 8066
 Ion Ratio Lower Upper
 83 100
 85 71.0 45.1 83.7





#29

1,1,1-Trichloroethane

Concen: 0.082 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VV014150.D

Acq: 20 Dec 2019 13:01

Instrument :

MSVOA_V

ClientSampleId :

BFDZ0DL

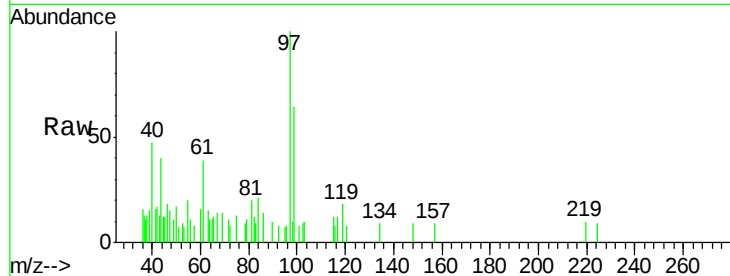
Tot Ion: 97 Resp: 3303

Ion Ratio Lower Upper

97 100

99 78.4 51.7 77.5#

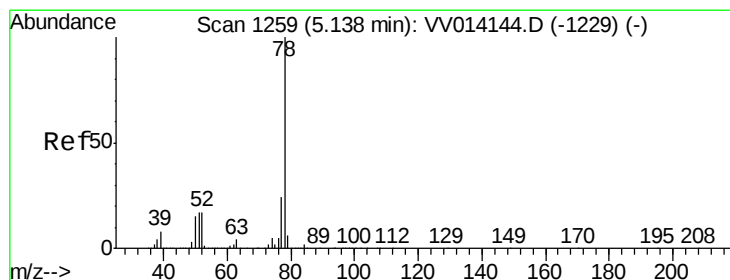
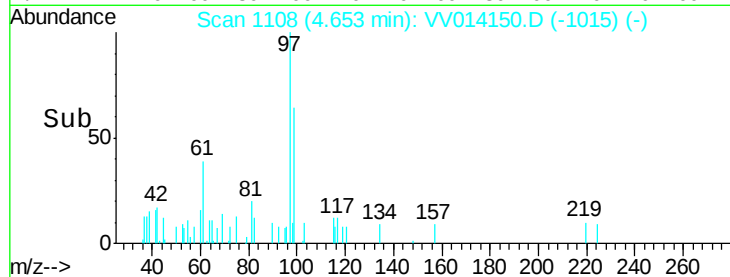
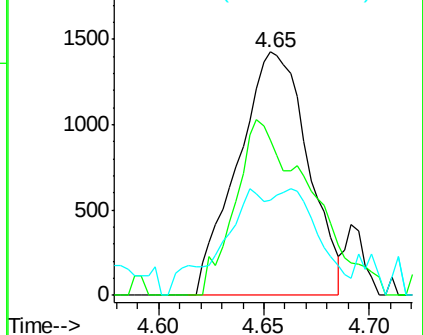
61 26.9 35.0 52.6#



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#33

Benzene

Concen: 0.069 ug/L

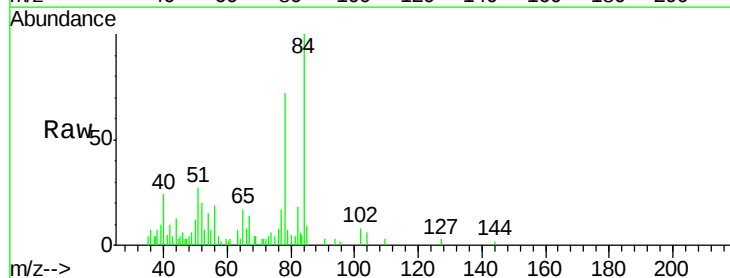
RT: 5.14 min Scan# 1261

Delta R.T. 0.01 min

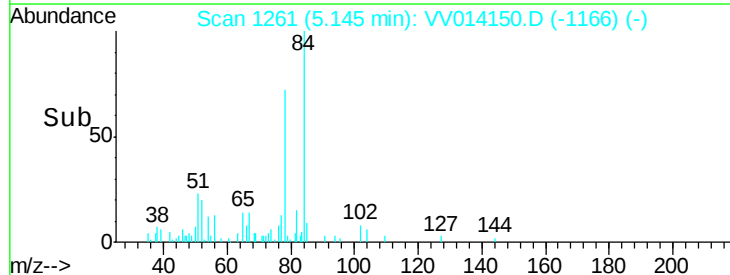
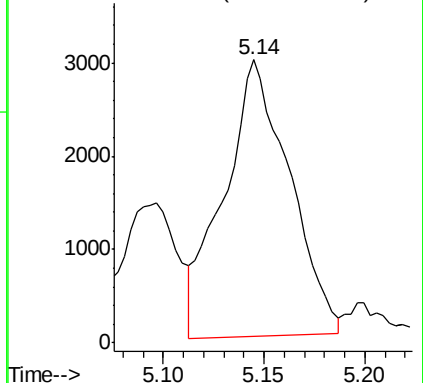
Lab File: VV014150.D

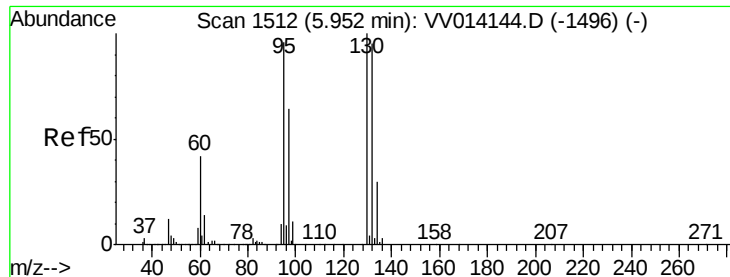
Acq: 20 Dec 2019 13:01

Tgt Ion: 78 Resp: 6711



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 11.276 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV014150.D

Acq: 20 Dec 2019 13:01

Instrument :

MSVOA_V

ClientSampleId :

BFDZ0DL

Tot Ion: 95 Resp: 302022

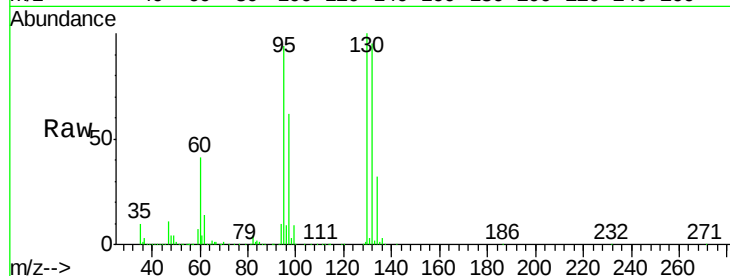
Ion Ratio Lower Upper

95 100

97 65.6 45.6 84.8

132 101.0 70.5 130.9

130 106.0 75.9 140.9

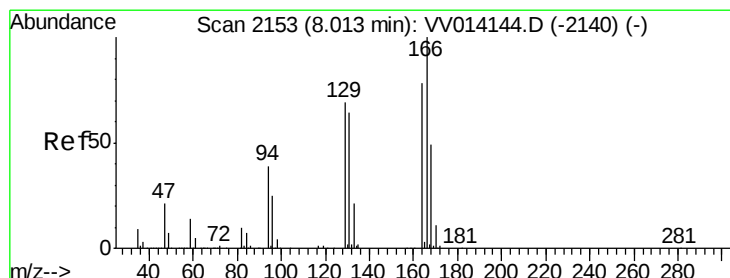
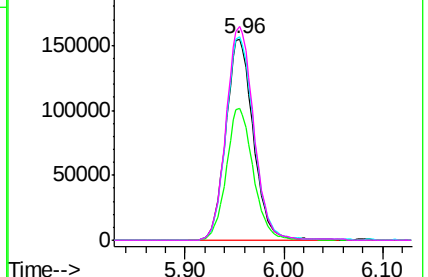
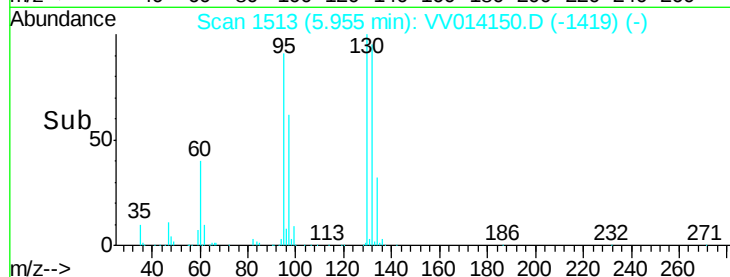


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#47

Tetrachloroethene

Concen: 0.177 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VV014150.D

Acq: 20 Dec 2019 13:01

Tgt Ion: 164 Resp: 4127

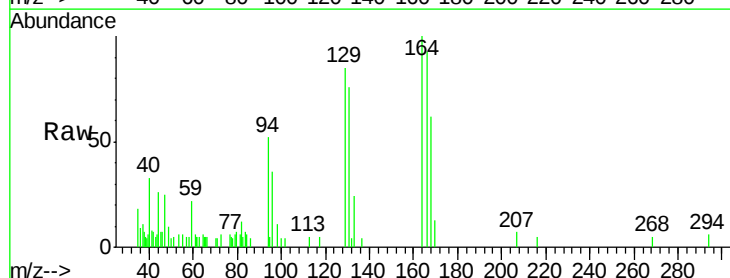
Ion Ratio Lower Upper

164 100

129 85.5 60.3 112.1

131 75.7 59.9 111.3

166 92.9 89.1 165.5



Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

