

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090419\
 Data File : VV012574.D
 Acq On : 04 Sep 2019 18:24
 Operator : SY/MD
 Sample : K4685-09
 Misc : 25mL/MSVOA V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFD78

Quant Time: Sep 05 03:28:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 05 01:26:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	115273	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	118427	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	41138	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	53695	4.79	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.80%
7) Chloroethane-d5	1.58	69	59335	5.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.20%
11) 1,1-Dichloroethene-d2	2.13	63	124285	4.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.00%
20) 2-Butanone-d5	3.97	46	150392	70.49	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	140.98%#
24) Chloroform-d	4.40	84	93246	5.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.20%
26) 1,2-Dichloroethane-d4	5.08	65	54675	6.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	122.60%
32) Benzene-d6	5.10	84	167874	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
36) 1,2-Dichloropropane-d6	6.12	67	58600	5.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.80%
41) Toluene-d8	7.36	98	133236	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.40%
43) trans-1,3-Dichloropropene-	7.67	79	17395	4.54	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.80%
46) 2-Hexanone-d5	8.14	63	93891	65.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	130.92%#
57) 1,1,2,2-Tetrachloroethane-	10.26	84	42761	5.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	115.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	44091	5.84	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.80%

Target Compounds

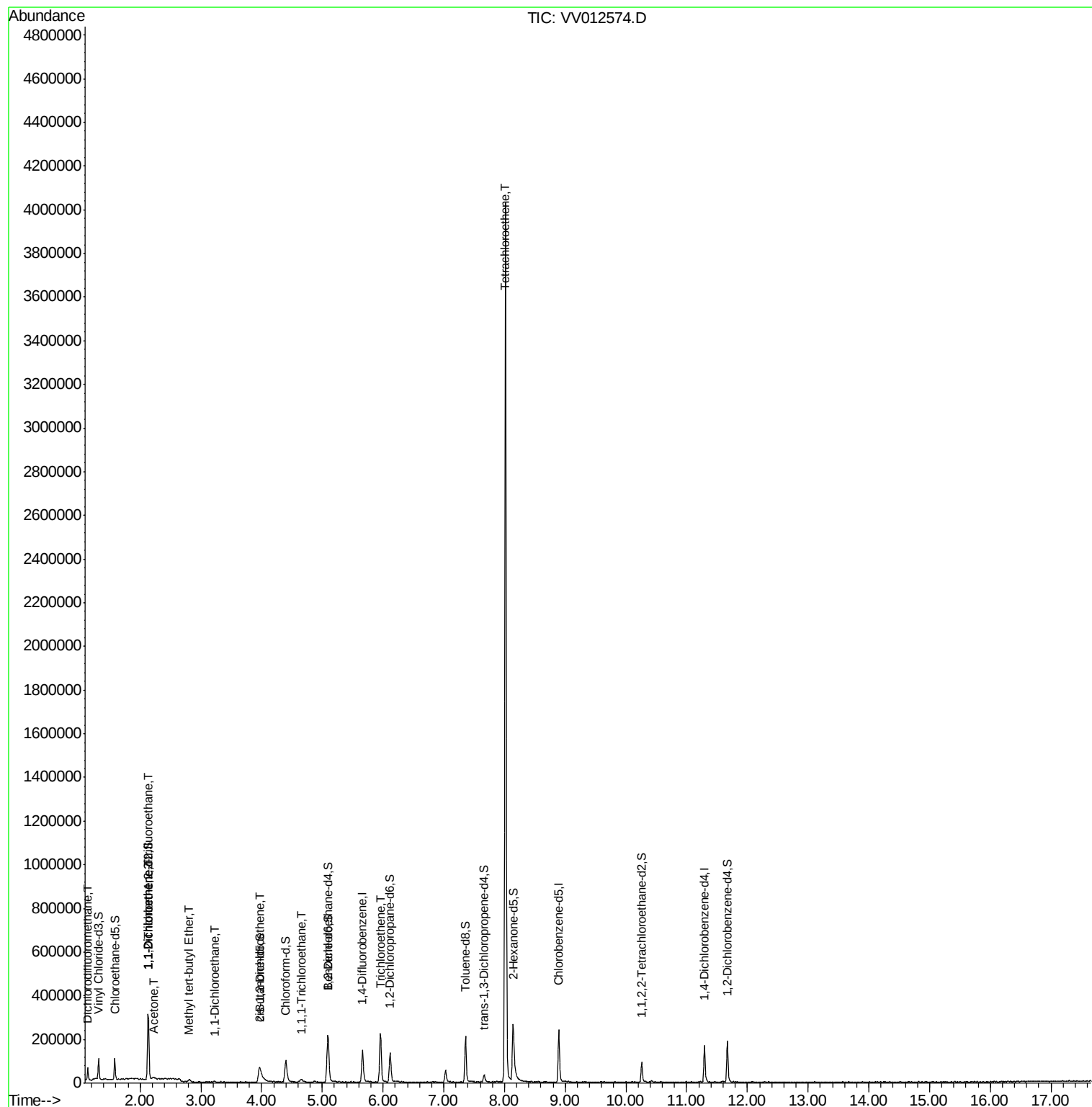
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	27799	1.883	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2907	0.179	ug/L #	85
12) 1,1-Dichloroethene	2.14	96	47996	3.219	ug/L #	83
13) Acetone	2.23	43	10416	3.441	ug/L	69
17) Methyl tert-butyl Ether	2.81	73	9098	0.359	ug/L #	90
19) 1,1-Dichloroethane	3.22	63	3934	0.171	ug/L	89
22) cis-1,2-Dichloroethene	3.96	96	7105	0.577	ug/L #	89
29) 1,1,1-Trichloroethane	4.66	97	8987	0.458	ug/L	98
34) Trichloroethene	5.96	95	73742	5.473	ug/L	98
47) Tetrachloroethene	8.02	164	786670	80.806	ug/L	97

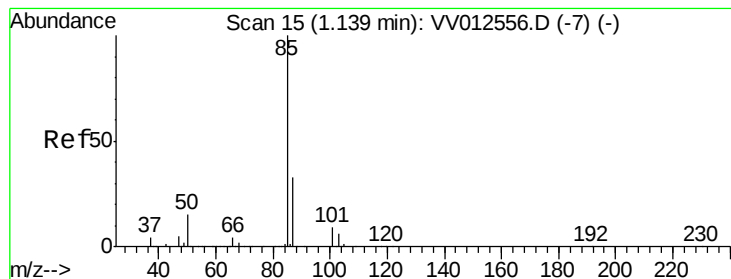
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.883 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV012574.D

Acq: 04 Sep 2019 18:24

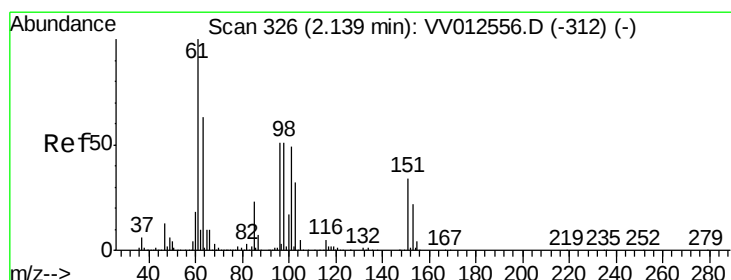
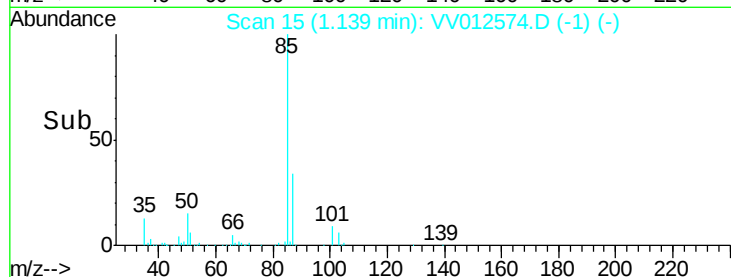
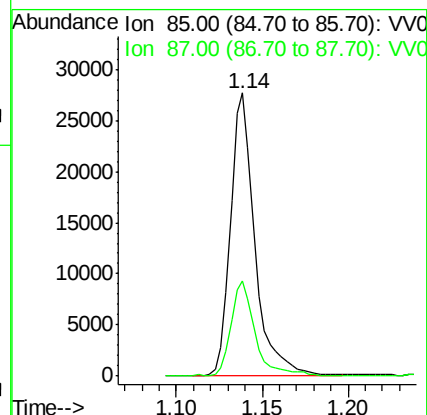
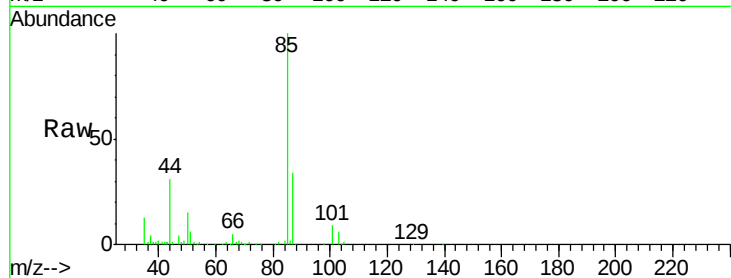
Instrument :
MSVOA_V
ClientSampled :
BFD78

Tot Ion: 85 Resp: 27799

Ion Ratio Lower Upper

85 100

87 33.1 26.4 39.6



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.179 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012574.D

Acq: 04 Sep 2019 18:24

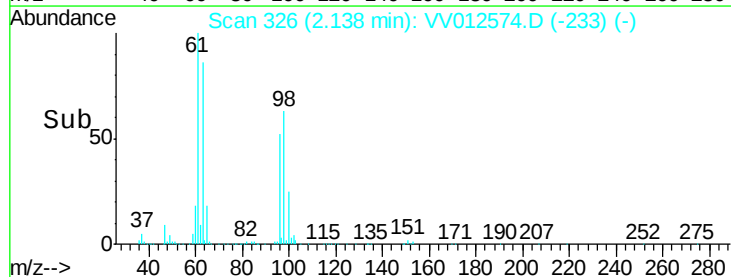
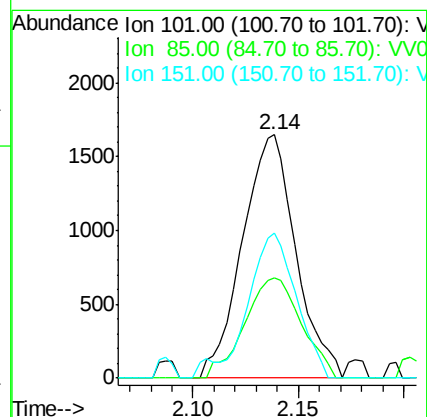
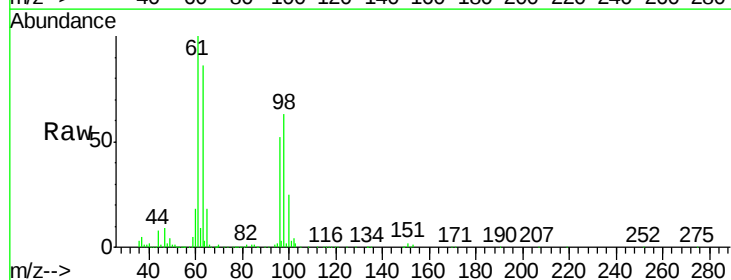
Tgt Ion: 101 Resp: 2907

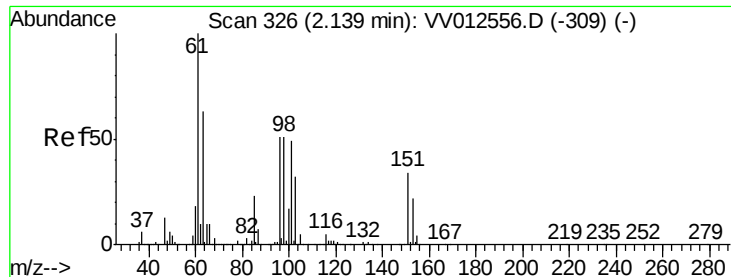
Ion Ratio Lower Upper

101 100

85 43.5 37.4 56.0

151 52.6 56.7 85.1#





#12

1,1-Dichloroethene

Concen: 3.219 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012574.D

Acq: 04 Sep 2019 18:24

Instrument :

MSVOA_V

ClientSampleId :

BFD78

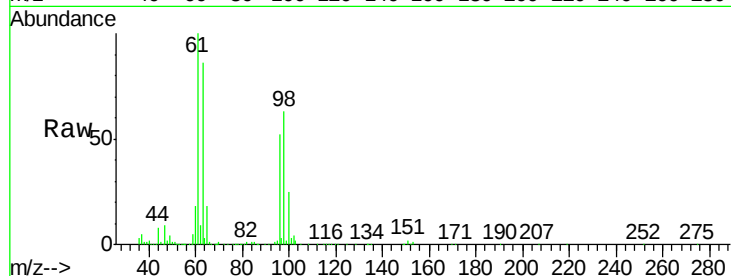
Tot Ion: 96 Resp: 47996

Ion Ratio Lower Upper

96 100

61 193.4 133.7 248.3

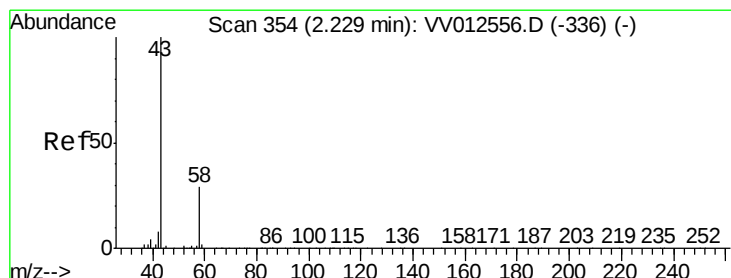
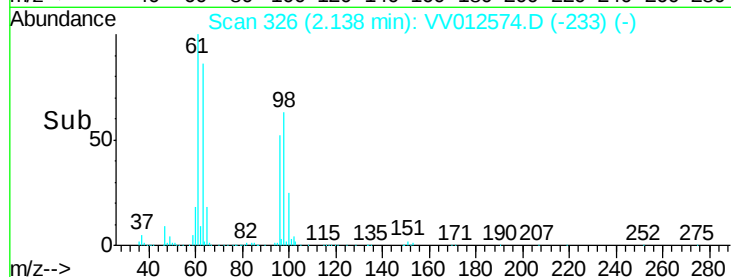
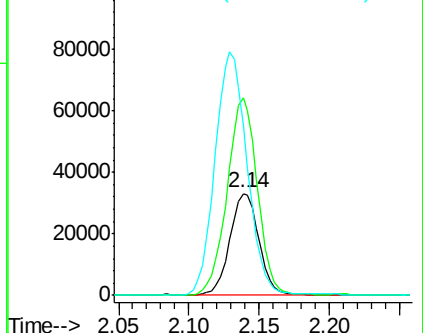
63 166.4 83.2 154.6#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0



#13

Acetone

Concen: 3.441 ug/L

RT: 2.23 min Scan# 355

Delta R.T. 0.00 min

Lab File: VV012574.D

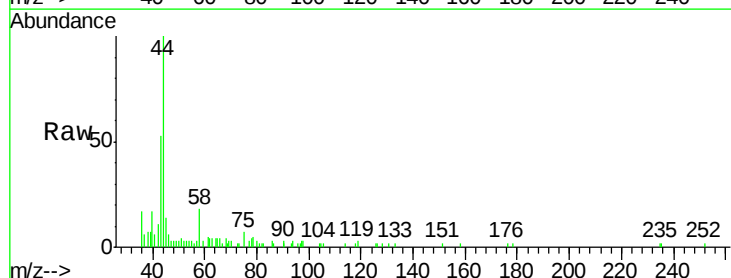
Acq: 04 Sep 2019 18:24

Tgt Ion: 43 Resp: 10416

Ion Ratio Lower Upper

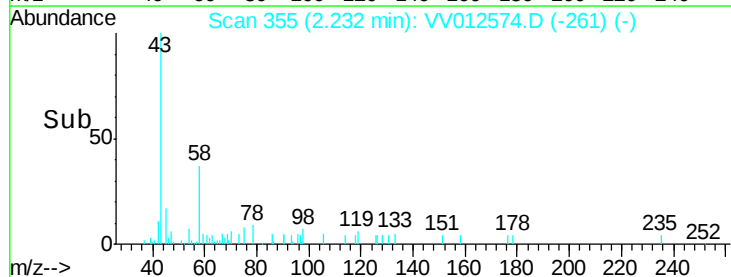
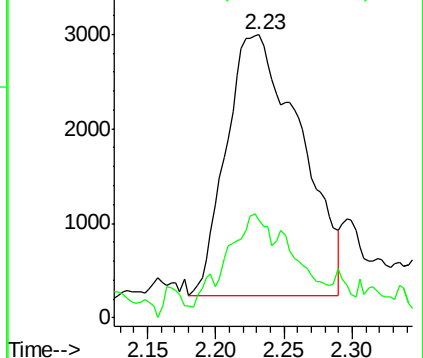
43 100

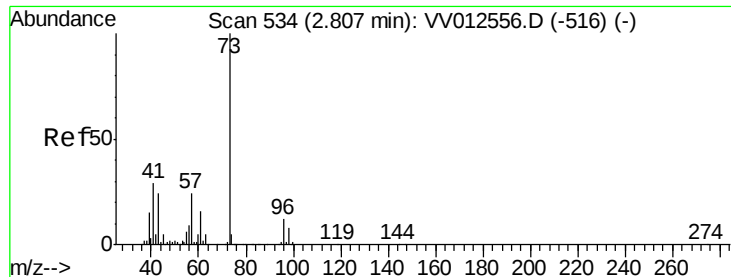
58 12.6 0.0 58.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

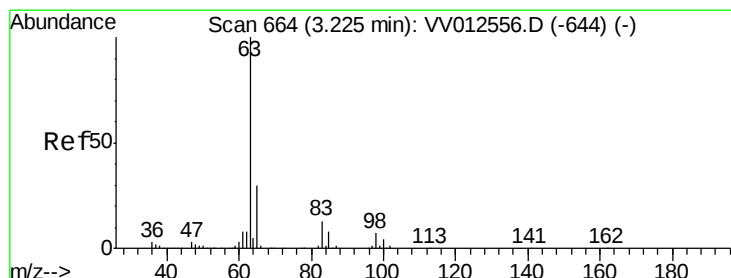
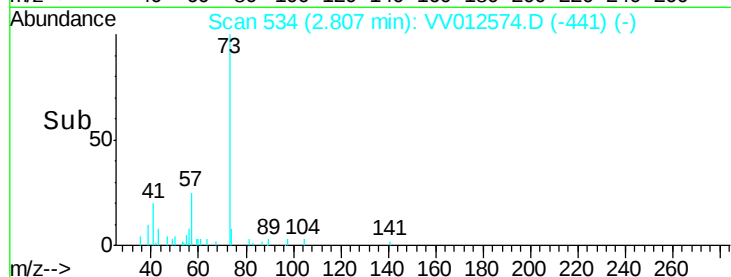
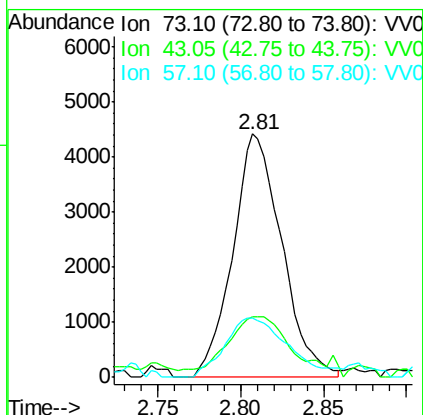
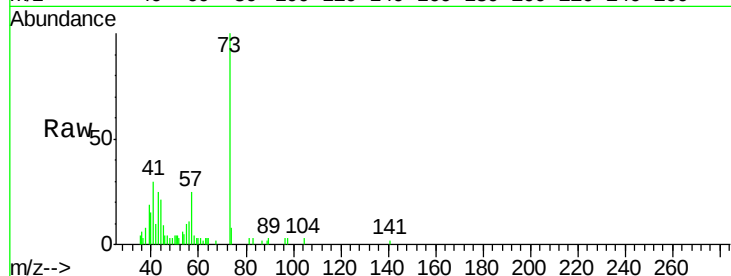




#17
Methvl tert-butvl Ether
Concen: 0.359 ug/L
RT: 2.81 min Scan# 534
Delta R.T. -0.00 min
Lab File: VV012574.D
Acq: 04 Sep 2019 18:24

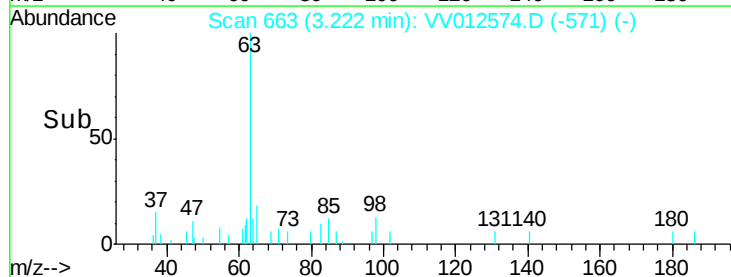
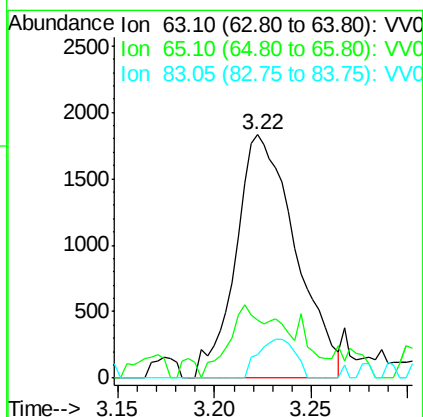
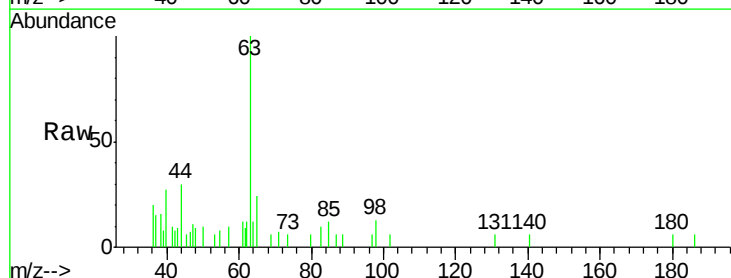
Instrument :
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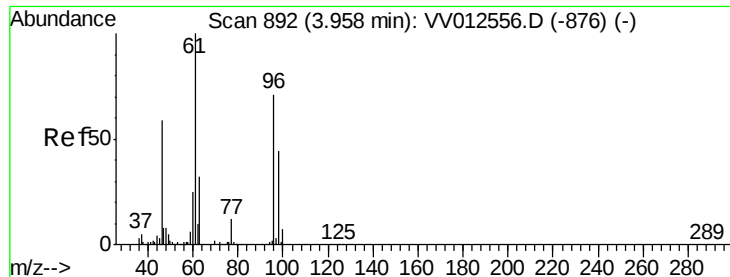
Tot Ion: 73 Resp: 9098
Ion Ratio Lower Upper
73 100
43 25.4 18.9 28.3
57 30.7 18.3 27.5#



#19
1,1-Dichloroethane
Concen: 0.171 ug/L
RT: 3.22 min Scan# 663
Delta R.T. -0.00 min
Lab File: VV012574.D
Acq: 04 Sep 2019 18:24

Tgt Ion: 63 Resp: 3934
Ion Ratio Lower Upper
63 100
65 23.9 21.5 39.9
83 9.9 9.1 16.9



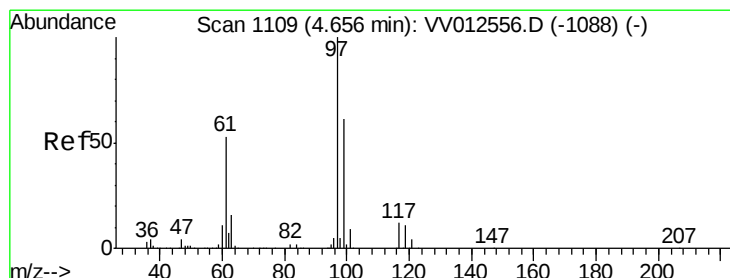
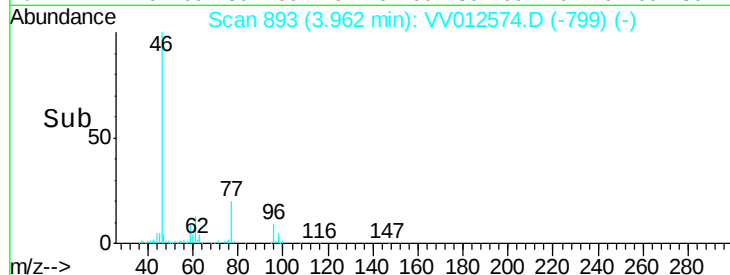
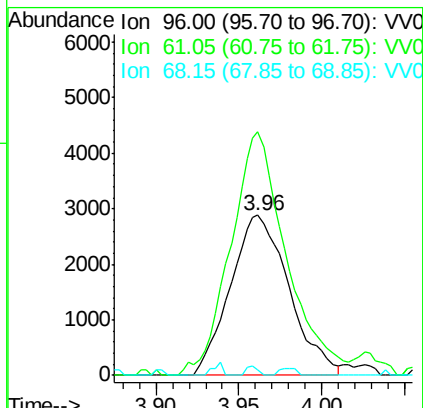
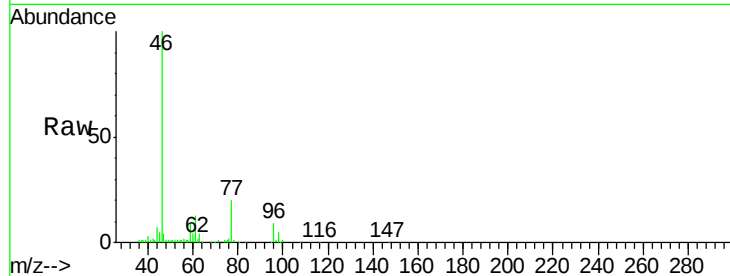


#22

cis-1,2-Dichloroethene
 Concen: 0.577 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV012574.D
 Acq: 04 Sep 2019 18:24

Instrument :
 MSVOA_V
 ClientSampleId :
 BFD78

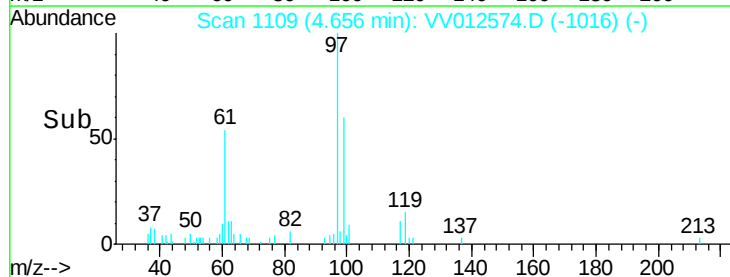
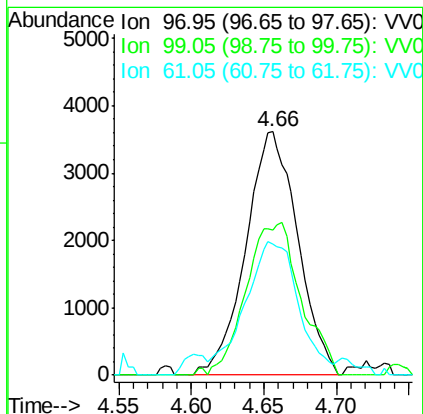
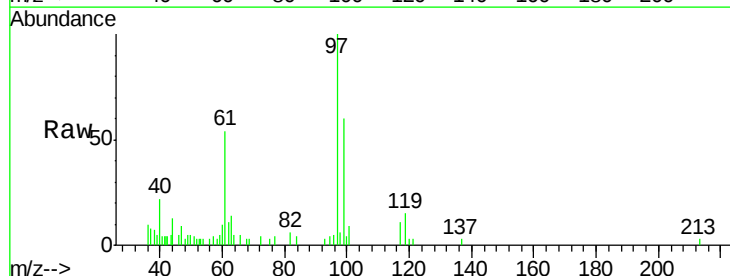
Tot Ion	Ratio	Lower	Upper
96	100		
61	152.2	97.5	181.1
68	3.7	0.0	0.0#

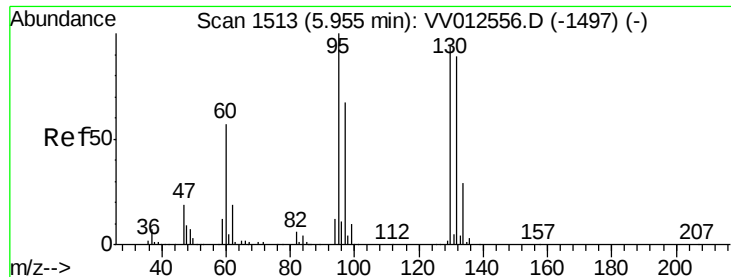


#29

1,1,1-Trichloroethane
 Concen: 0.458 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: VV012574.D
 Acq: 04 Sep 2019 18:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.0	52.6	79.0
61	56.7	43.4	65.2





#34

Trichloroethene

Concen: 5.473 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012574.D

Acq: 04 Sep 2019 18:24

Instrument :

MSVOA_V

ClientSampleId :

BFD78

Tot Ion: 95 Resp: 73742

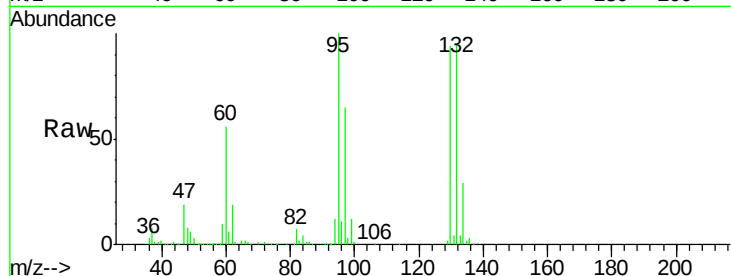
Ion Ratio Lower Upper

95 100

97 64.8 44.7 83.1

132 95.3 63.8 118.4

130 94.2 66.6 123.6

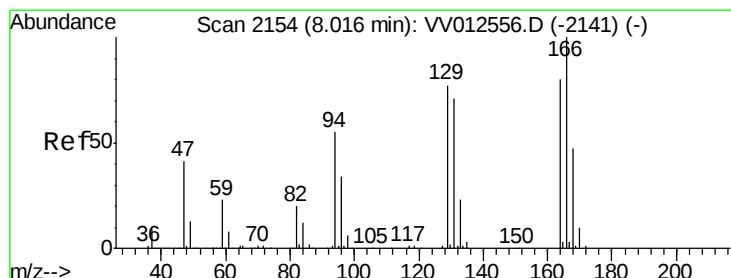
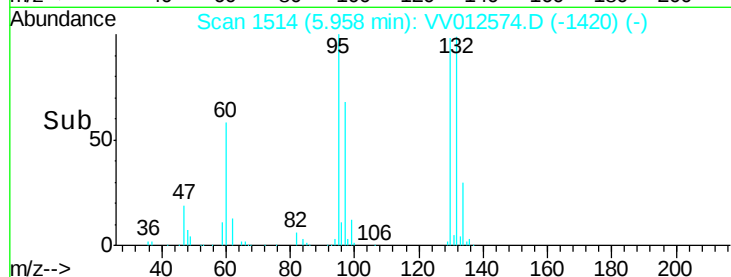
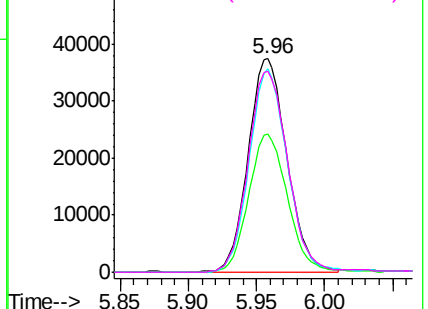


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 80.806 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV012574.D

Acq: 04 Sep 2019 18:24

Tgt Ion: 164 Resp: 786670

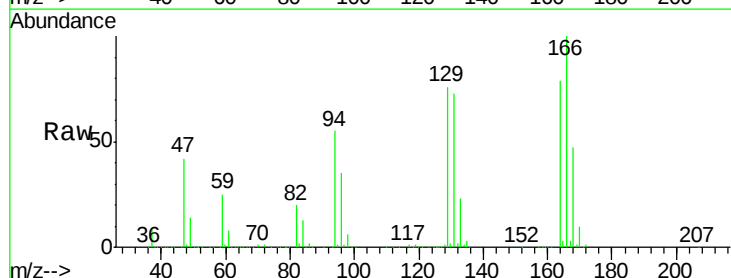
Ion Ratio Lower Upper

164 100

129 96.4 64.5 119.9

131 92.4 62.3 115.7

166 126.3 86.5 160.6



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

