

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090419\
 Data File : VV012571.D
 Acq On : 04 Sep 2019 16:38
 Operator : SY/MD
 Sample : K4685-06
 Misc : 25mL/MSVOA V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFD75

Quant Time: Sep 05 03:16:07 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	5.67	114	130879	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	131437	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	46793	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	51721	4.07	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.40%
7) Chloroethane-d5	1.58	69	60903	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.00%
11) 1,1-Dichloroethene-d2	2.13	63	114785	3.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.00%
20) 2-Butanone-d5	3.96	46	141064	58.24	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.48%
24) Chloroform-d	4.40	84	92826	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
26) 1,2-Dichloroethane-d4	5.08	65	52793	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.20%
32) Benzene-d6	5.10	84	168432	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
36) 1,2-Dichloropropane-d6	6.12	67	58489	5.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.60%
41) Toluene-d8	7.36	98	135056	4.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.60%
43) trans-1,3-Dichloropropene-	7.67	79	17826	4.19	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.80%
46) 2-Hexanone-d5	8.14	63	81890	51.44	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.88%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	41334	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	44839	5.22	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.40%

Target Compounds

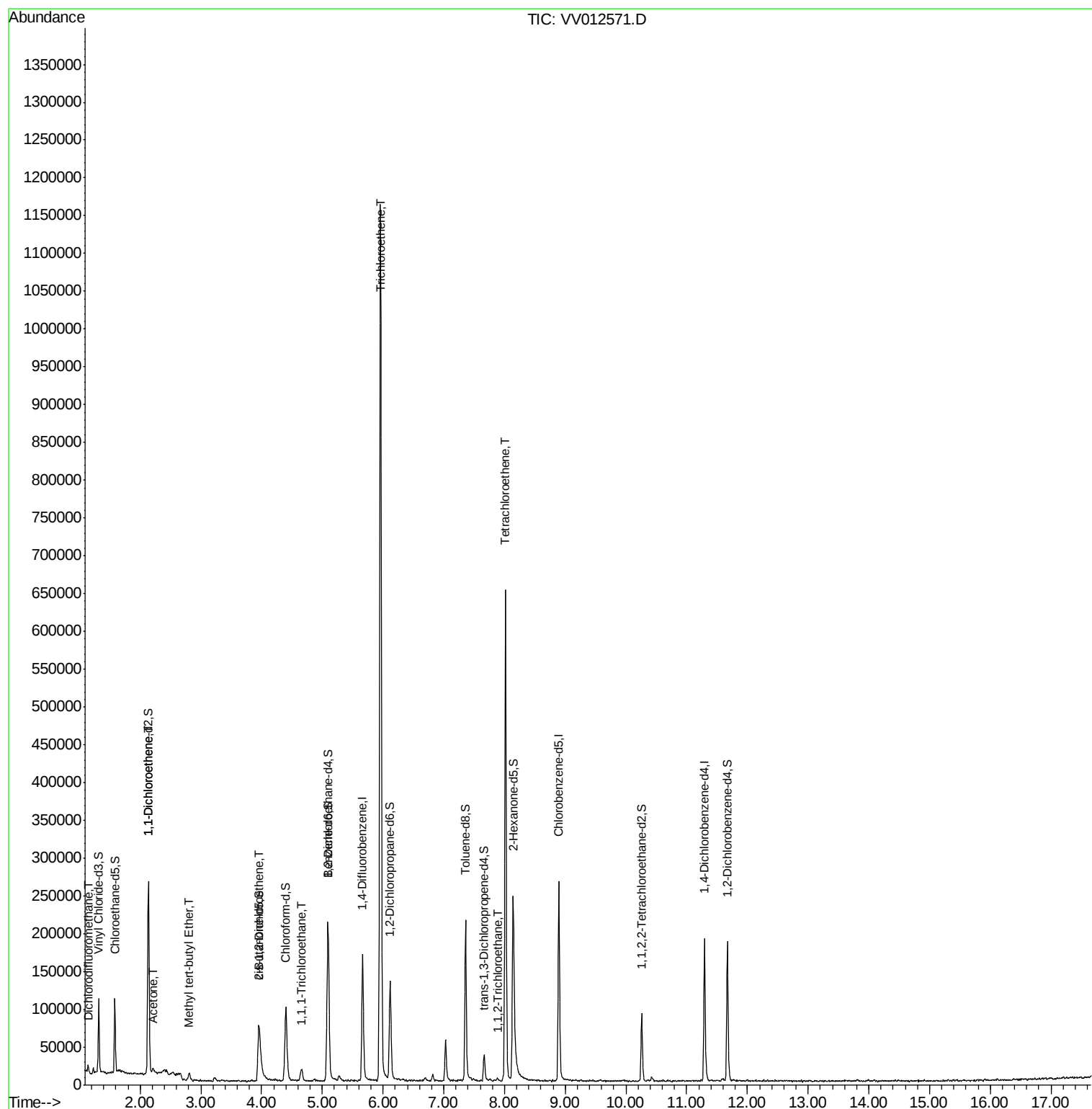
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	2588	0.154	ug/L	98
12) 1,1-Dichloroethene	2.14	96	37124	2.193	ug/L #	67
13) Acetone	2.21	43	9046	2.632	ug/L	90
17) Methyl tert-butyl Ether	2.81	73	9190	0.320	ug/L	95
22) cis-1,2-Dichloroethene	3.96	96	3011	0.215	ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	10736	0.493	ug/L #	89
34) Trichloroethene	5.96	95	382880	25.606	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	1035	0.113	ug/L	78
47) Tetrachloroethene	8.02	164	129239	11.961	ug/L	96

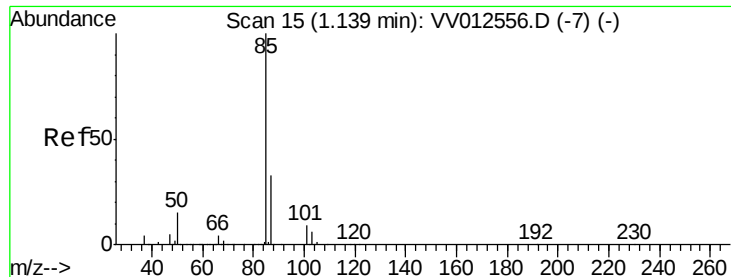
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 05 01:26:42 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.154 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV012571.D

Acq: 04 Sep 2019 16:38

Instrument :

MSVOA_V

ClientSampleId :

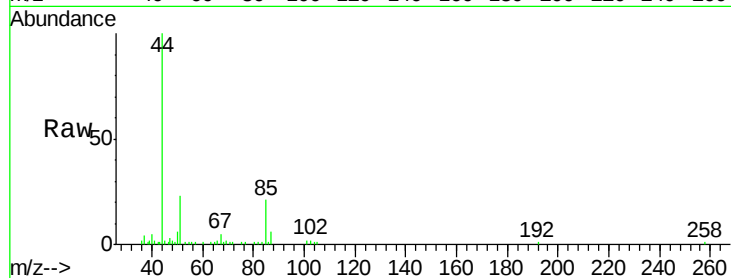
BFD75

Tot Ion: 85 Resp: 2588

Ion Ratio Lower Upper

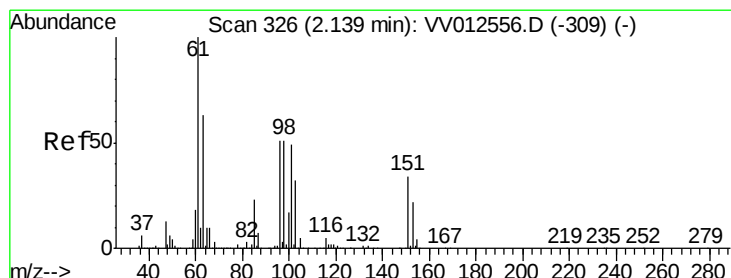
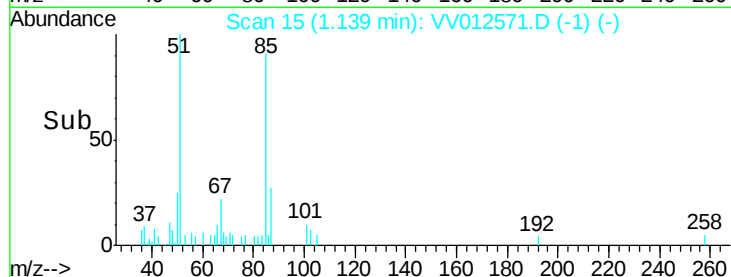
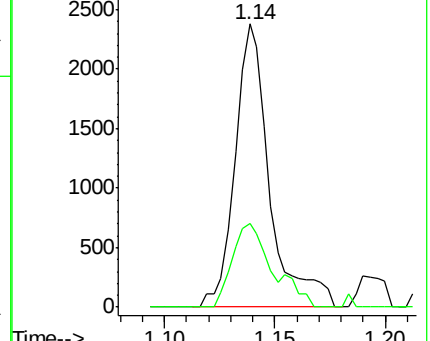
85 100

87 34.3 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#12

1,1-Dichloroethene

Concen: 2.193 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012571.D

Acq: 04 Sep 2019 16:38

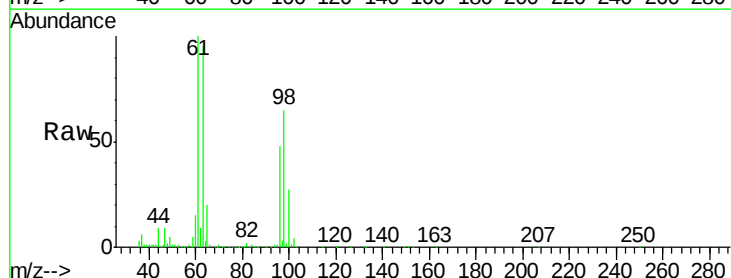
Tgt Ion: 96 Resp: 37124

Ion Ratio Lower Upper

96 100

61 206.5 133.7 248.3

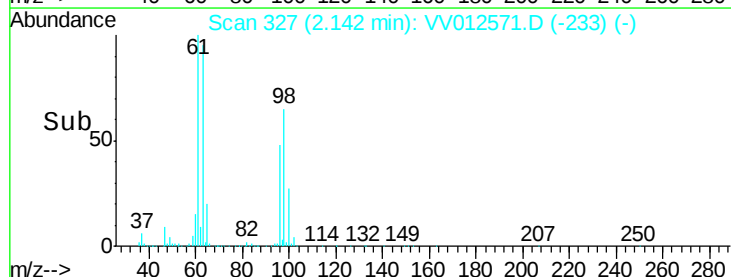
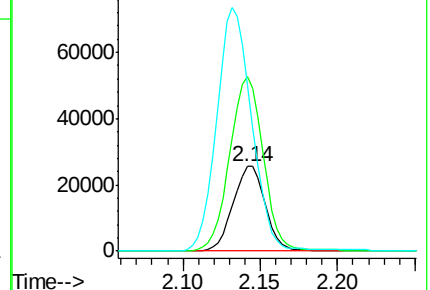
63 195.6 83.2 154.6#

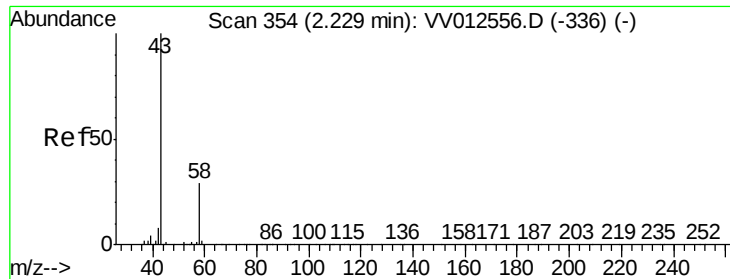


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 2.632 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.02 min

Lab File: VV012571.D

Acq: 04 Sep 2019 16:38

Instrument :

MSVOA_V

ClientSampleId :

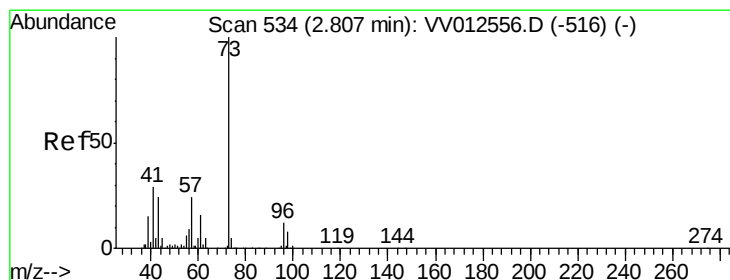
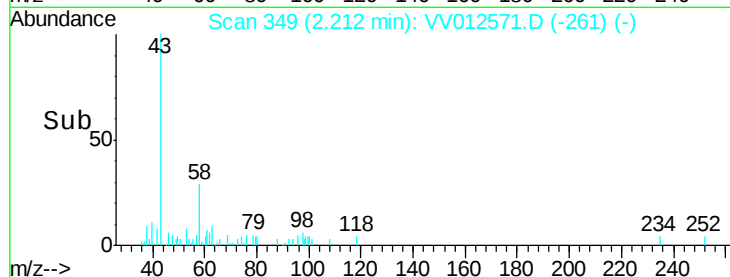
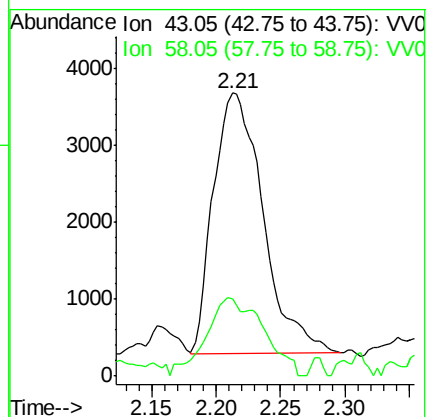
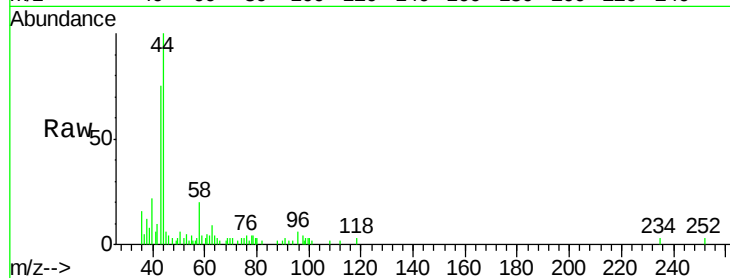
BFD75

Tot Ion: 43 Resp: 9046

Ion Ratio Lower Upper

43 100

58 34.7 0.0 58.2



#17

Methyl tert-butyl Ether

Concen: 0.320 ug/L

RT: 2.81 min Scan# 534

Delta R.T. -0.00 min

Lab File: VV012571.D

Acq: 04 Sep 2019 16:38

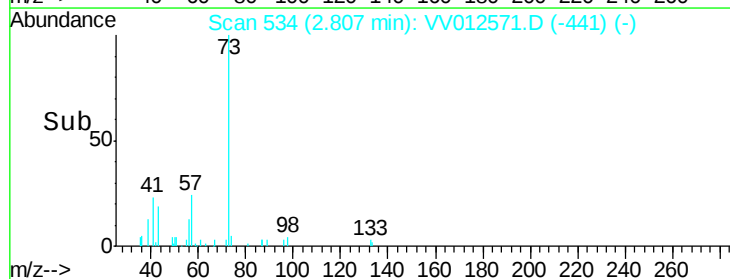
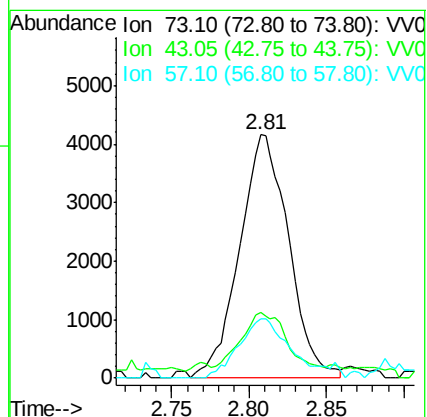
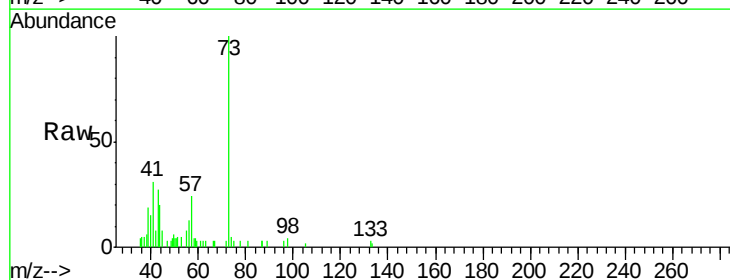
Tgt Ion: 73 Resp: 9190

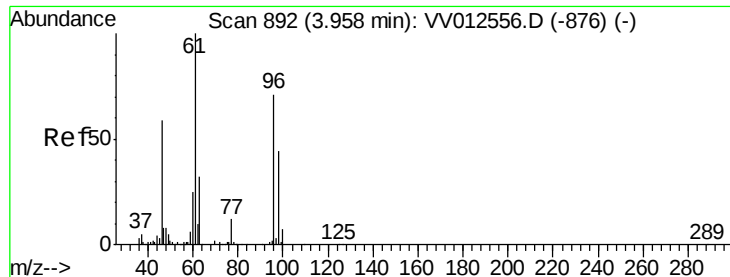
Ion Ratio Lower Upper

73 100

43 20.6 18.9 28.3

57 25.2 18.3 27.5



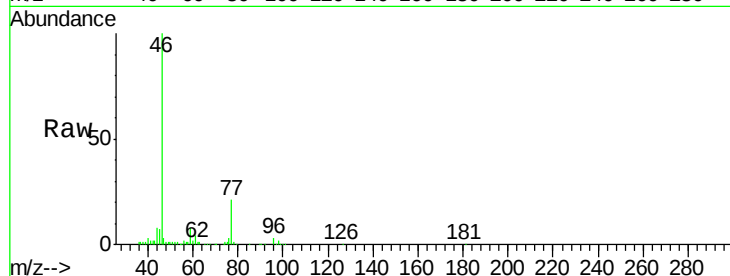


#22

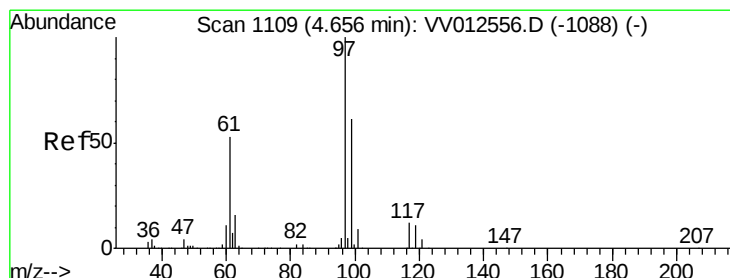
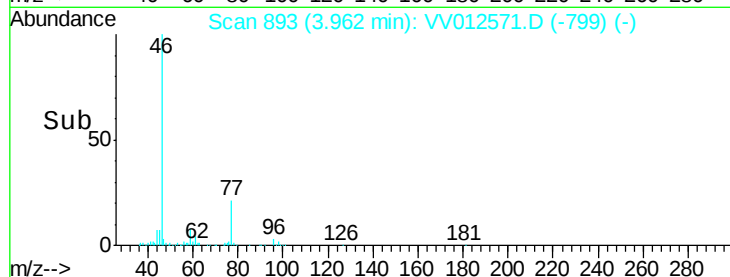
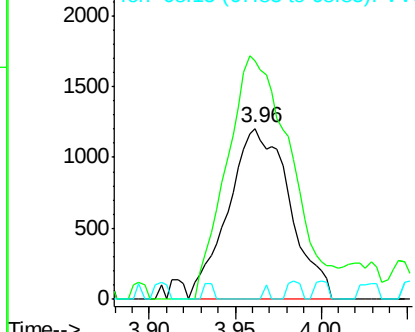
cis-1,2-Dichloroethene
 Concen: 0.215 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV012571.D
 Acq: 04 Sep 2019 16:38

Instrument :
 MSVOA_V
 ClientSampled :
 BFD75

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.9	97.5	181.1
68	0.0	0.0	0.0



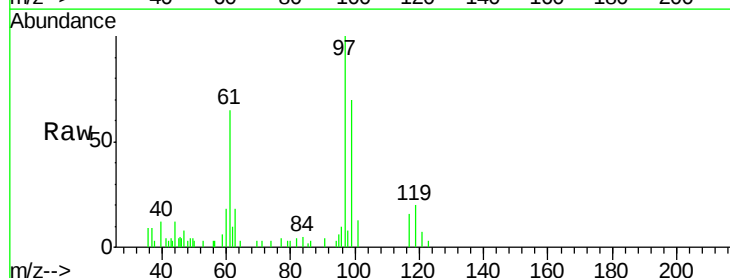
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



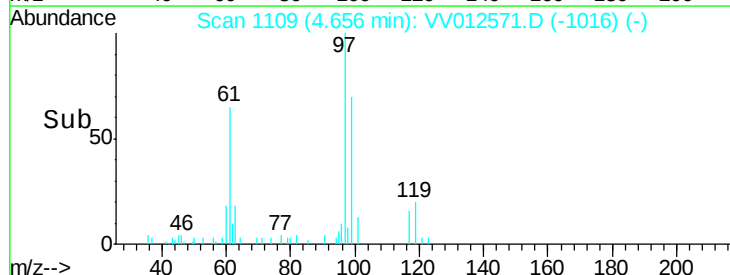
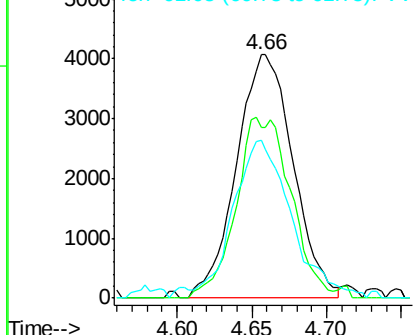
#29

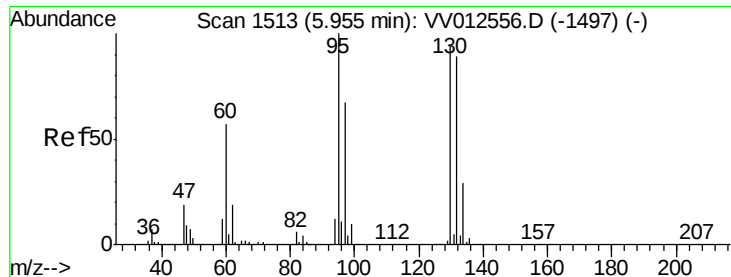
1,1,1-Trichloroethane
 Concen: 0.493 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: VV012571.D
 Acq: 04 Sep 2019 16:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	71.4	52.6	79.0
61	66.2	43.4	65.2#



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





#34

Trichloroethene

Concen: 25.606 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012571.D

Acq: 04 Sep 2019 16:38

Instrument :

MSVOA_V

ClientSampleId :

BFD75

Tot Ion: 95 Resp: 382880

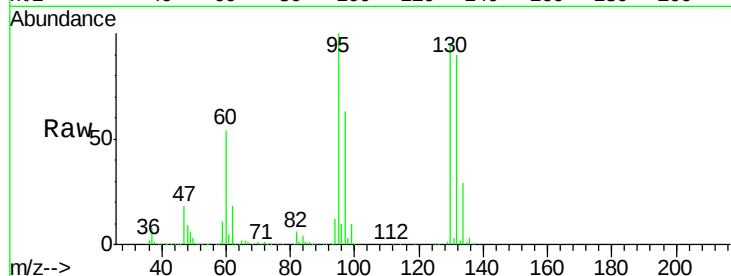
Ion Ratio Lower Upper

95 100

97 63.4 44.7 83.1

132 89.7 63.8 118.4

130 94.6 66.6 123.6

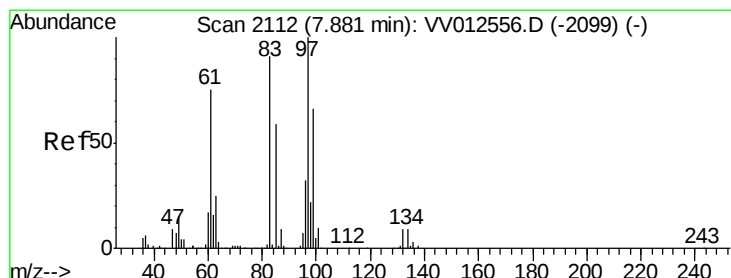
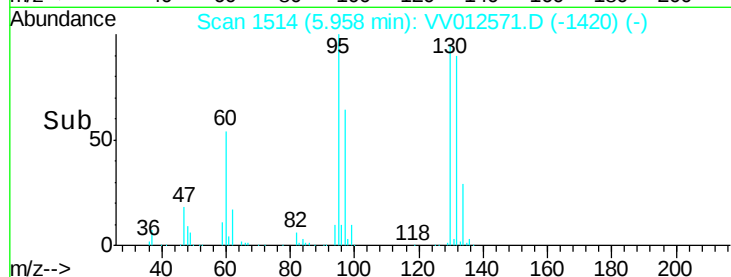
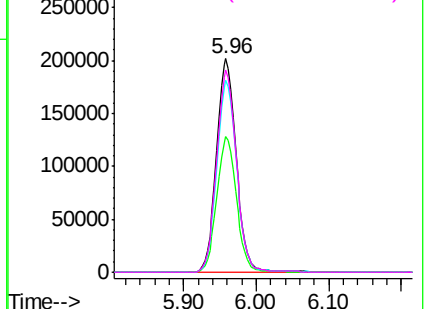


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#45

1,1,2-Trichloroethane

Concen: 0.113 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VV012571.D

Acq: 04 Sep 2019 16:38

Tgt Ion: 97 Resp: 1035

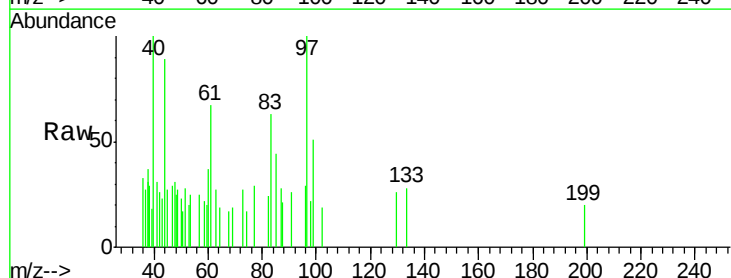
Ion Ratio Lower Upper

97 100

99 51.3 44.1 81.9

83 63.4 62.7 116.5

85 44.2 42.6 79.0

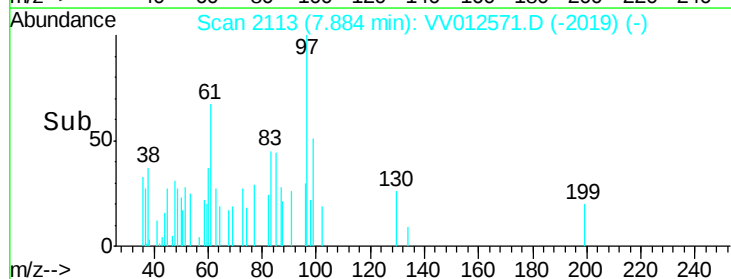
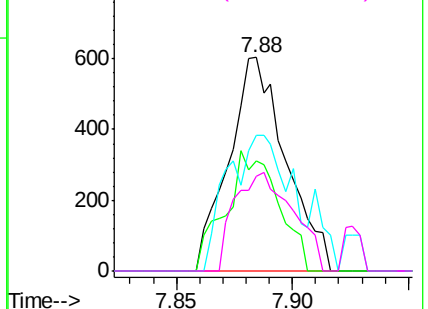


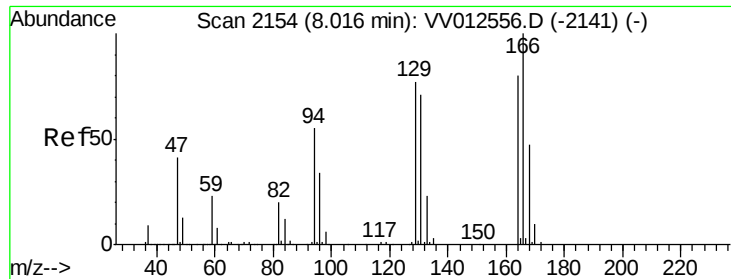
Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0





#47

Tetrachloroethene

Concen: 11.961 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV012571.D

Acq: 04 Sep 2019 16:38

Instrument :
MSVOA_V
ClientSampleId :
BFD75

Tot Ion:164 Resp: 129239

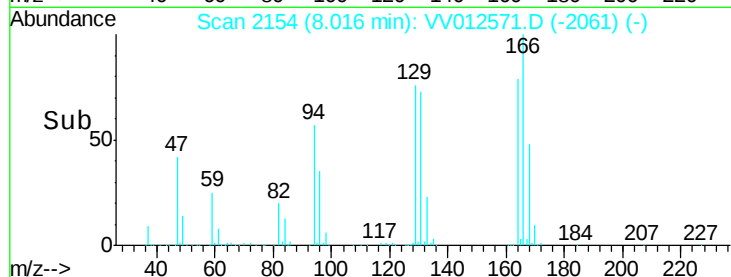
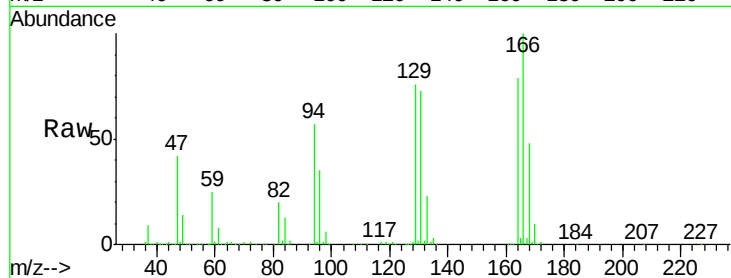
Ion Ratio Lower Upper

164 100

129 95.9 64.5 119.9

131 93.0 62.3 115.7

166 126.7 86.5 160.6



Abundance Ion 163.90 (163.60 to 164.60): V

150000 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

