

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122120\
 Data File : VV019782.D
 Acq On : 21 Dec 2020 17:53
 Operator : SY/MD
 Sample : L5087-06 2X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 22 00:26:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 22 00:24:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	684507	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	646318	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.26	152	308989	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	262632	53.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	107.02%
7) Chloroethane-d5	1.57	69	202988	52.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.86%
11) 1,1-Dichloroethene-d2	2.11	63	368156	40.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.82%
21) 2-Butanone-d5	3.88	46	338908	127.03	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	127.03%
24) Chloroform-d	4.35	84	446834	50.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.02%
26) 1,2-Dichloroethane-d4	5.04	65	307843	53.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.50%
32) Benzene-d6	5.05	84	897660	52.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.16%
36) 1,2-Dichloropropane-d6	6.07	67	284932	52.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.54%
41) Toluene-d8	7.32	98	782504	50.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.84%
43) trans-1,3-Dichloropropene-	7.62	79	132245	43.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.12%
47) 2-Hexanone-d5	8.09	63	215206	101.55	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.55%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	345479	47.30	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.60%
64) 1,2-Dichlorobenzene-d4	11.63	152	280726	48.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.20%

Target Compounds

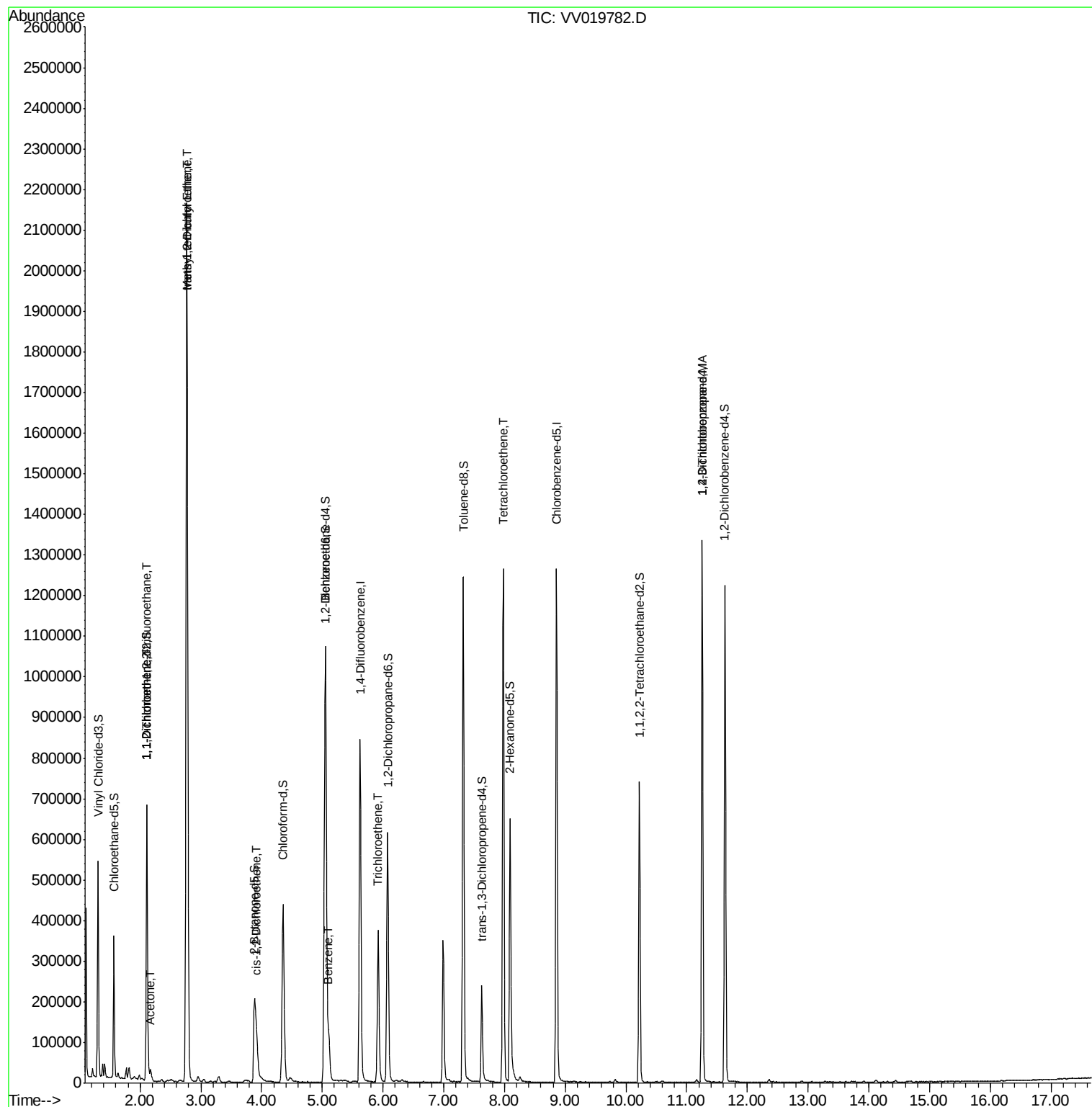
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.11	101	3118	0.785	ug/L #	22
12) 1,1-Dichloroethene	2.12	96	4523	1.109	ug/L #	1
13) Acetone	2.17	43	28223	12.418	ug/L	100
17) trans-1,2-Dichloroethene	2.77	96	3755	0.840	ug/L	96
18) Methyl tert-butyl Ether	2.77	73	2088591	133.728	ug/L	99
20) cis-1,2-Dichloroethene	3.92	96	43642	8.882	ug/L #	92
33) Benzene	5.11	78	114395	6.056	ug/L	100
34) Trichloroethene	5.92	95	127599	25.572	ug/L	99
46) Tetrachloroethene	7.98	164	252168	73.035	ug/L	97
59) 1,2,3-Trichloropropane	11.25	75	42195	6.877	ug/L	95

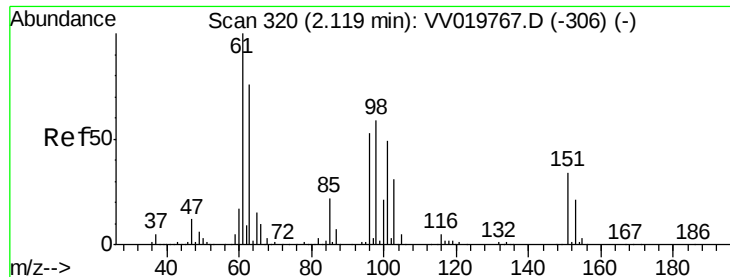
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 1 Sample Multiplier: 1

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Quant Time: Dec 22 00:26:48 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Dec 22 00:24:34 2020
Response via : Initial Calibration





#10

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

Concen: 0.785 ug/L

RT: 2.11 min Scan# 318

Delta R.T. -0.01 min

Lab File: VV019782.D

Acq: 21 Dec 2020 17:53

Instrument :

MSVOA_V

ClientSampleId :

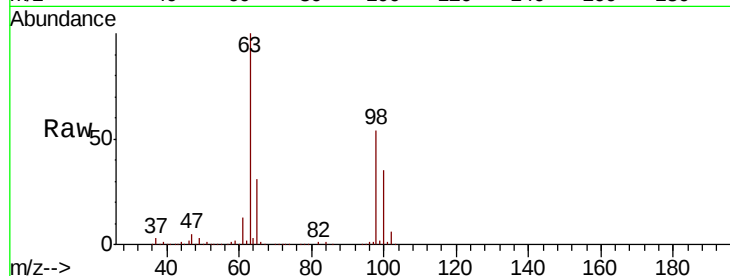
Tot Ion:101 Resp: 3118

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

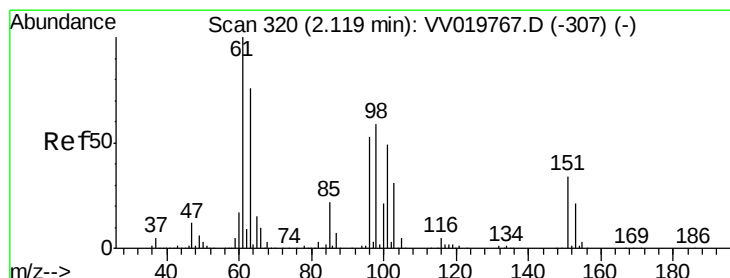
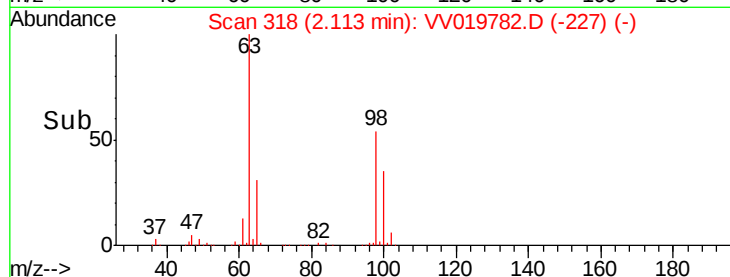
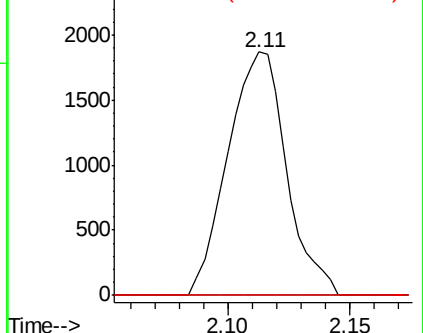
151 0.0 55.8 83.8#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 1.109 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.00 min

Lab File: VV019782.D

Acq: 21 Dec 2020 17:53

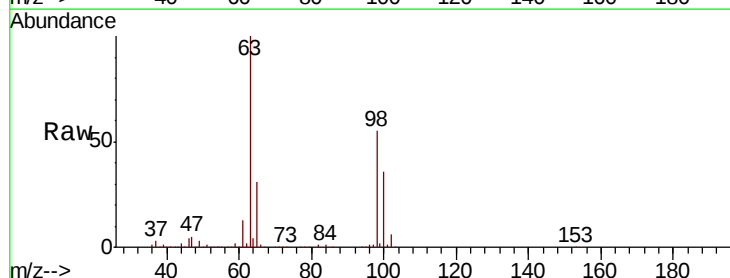
Tgt Ion: 96 Resp: 4523

Ion Ratio Lower Upper

96 100

61 1016.4 120.7 224.1#

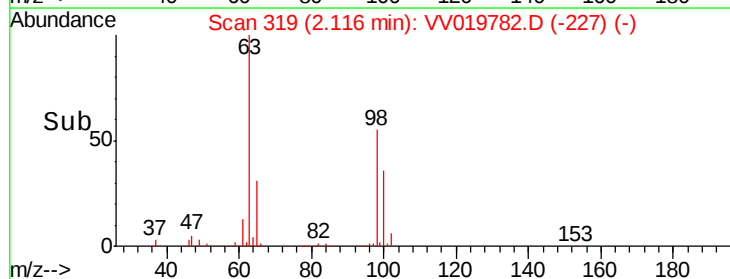
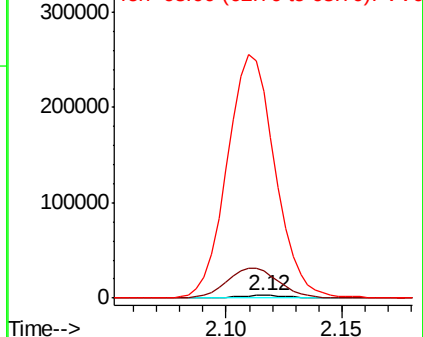
63 7792.8 64.3 119.5#

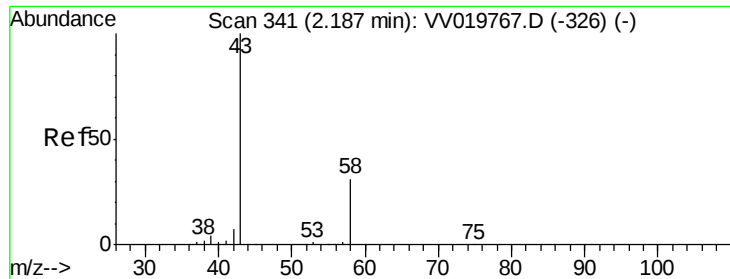


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 12.418 ug/L

RT: 2.17 min Scan# 337

Delta R.T. -0.01 min

Lab File: VV019782.D

Acq: 21 Dec 2020 17:53

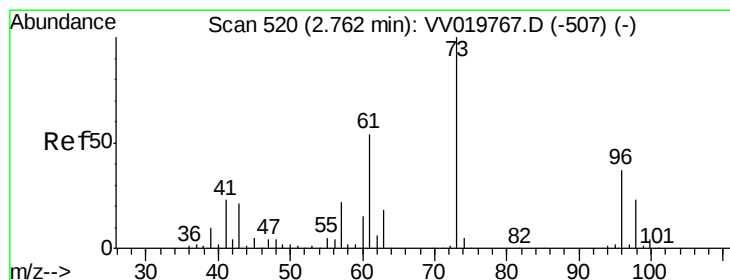
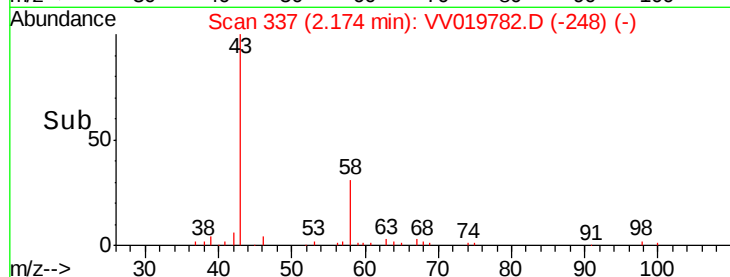
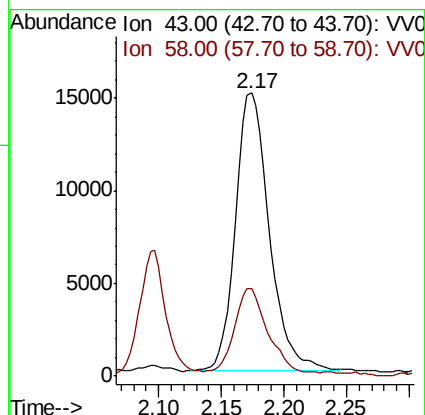
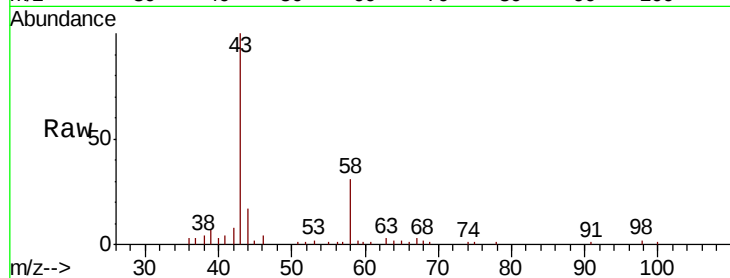
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 28223

Ion Ratio Lower Upper

43 100

58 30.6 0.0 61.6



#17

trans-1,2-Dichloroethene

Concen: 0.840 ug/L

RT: 2.77 min Scan# 523

Delta R.T. 0.01 min

Lab File: VV019782.D

Acq: 21 Dec 2020 17:53

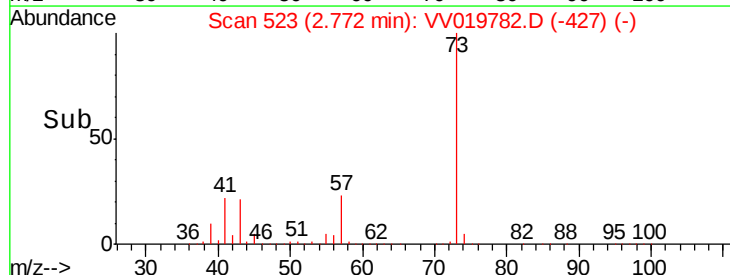
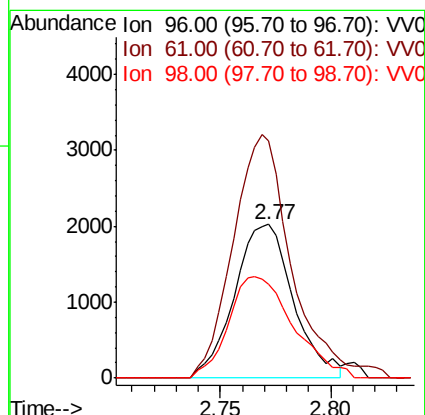
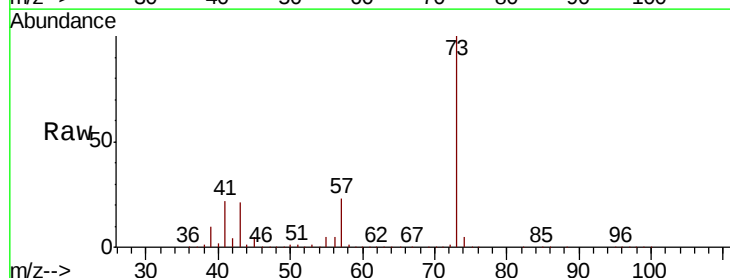
Tgt Ion: 96 Resp: 3755

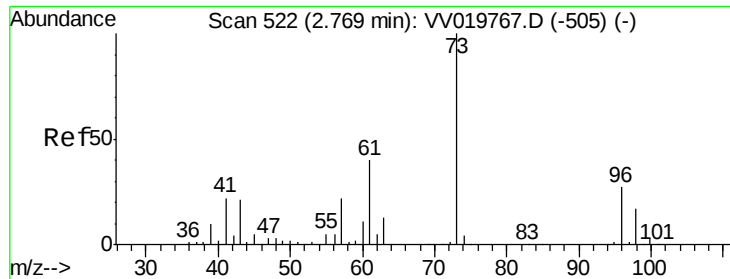
Ion Ratio Lower Upper

96 100

61 154.5 103.5 192.1

98 61.5 44.4 82.5

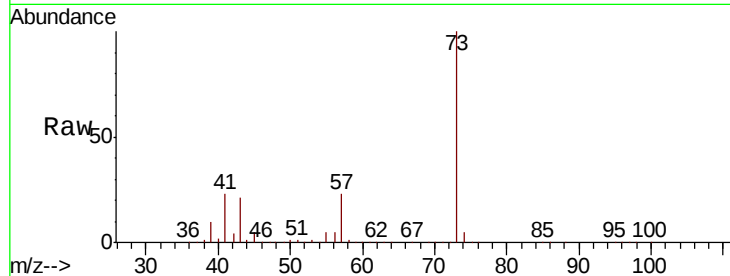




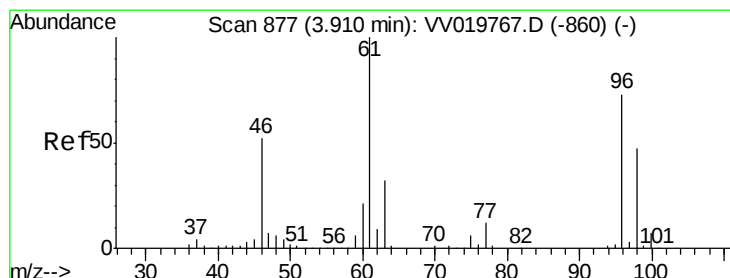
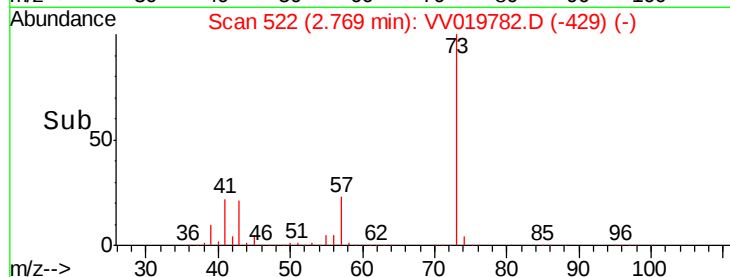
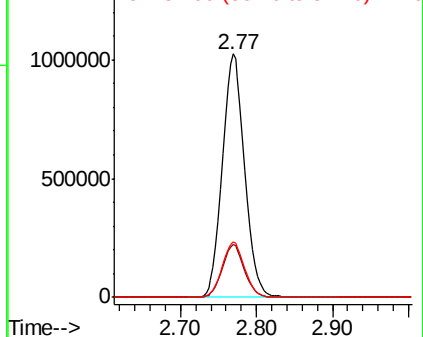
#18
Methvl tert-butvl Ether
Concen: 133.728 ug/L
RT: 2.77 min Scan# 522
Delta R.T. -0.00 min
Lab File: VV019782.D
Acq: 21 Dec 2020 17:53

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 73 Resp: 2088591
Ion Ratio Lower Upper
73 100
43 21.4 17.3 25.9
57 22.7 17.5 26.3

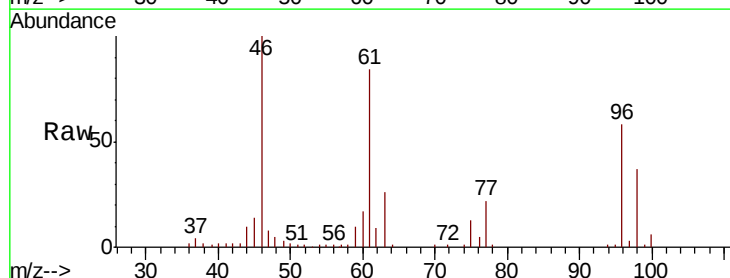


Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

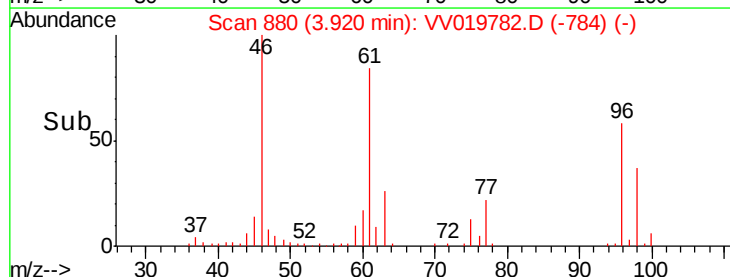
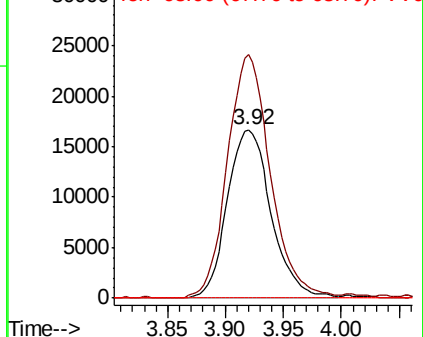


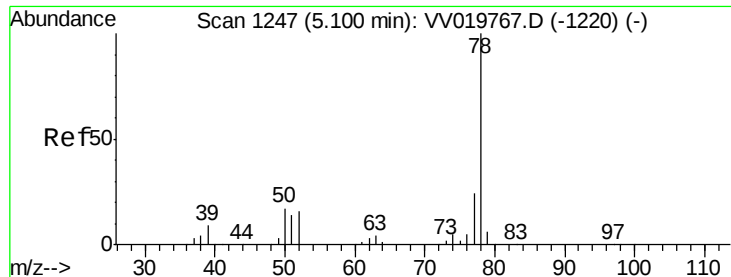
#20
cis-1,2-Dichloroethene
Concen: 8.882 ug/L
RT: 3.92 min Scan# 880
Delta R.T. 0.01 min
Lab File: VV019782.D
Acq: 21 Dec 2020 17:53

Tgt Ion: 96 Resp: 43642
Ion Ratio Lower Upper
96 100
61 144.4 94.1 174.8
68 0.0 0.1 0.1#



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0

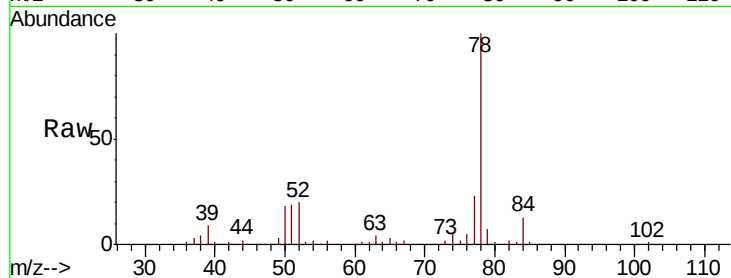




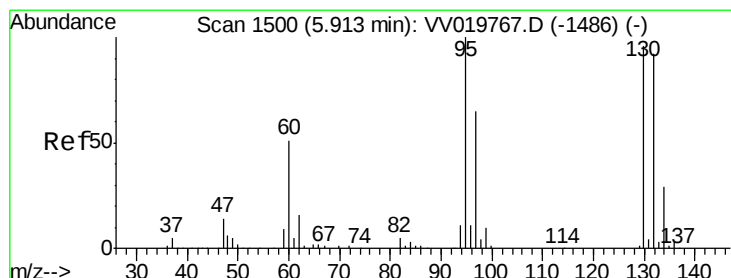
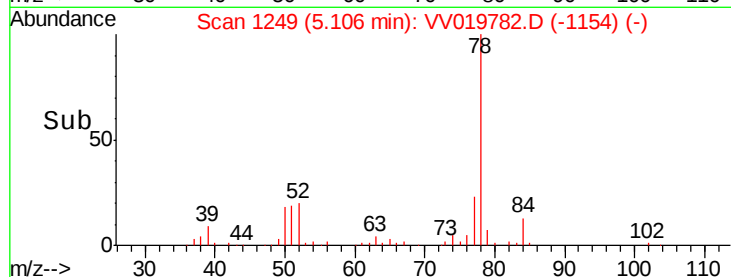
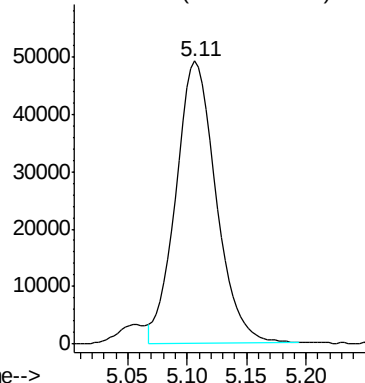
#33
Benzene
Concen: 6.056 ug/L
RT: 5.11 min Scan# 1249
Delta R.T. 0.01 min
Lab File: VV019782.D
Acq: 21 Dec 2020 17:53

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 78 Resp: 114395



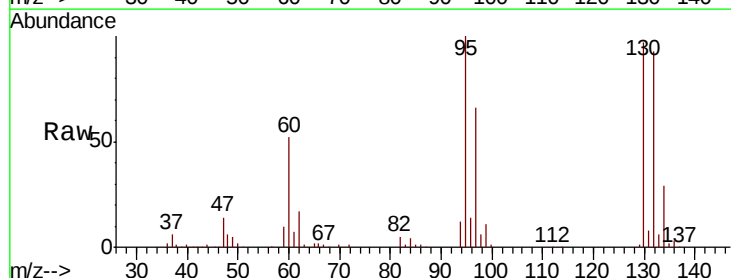
Abundance Ion 78.00 (77.70 to 78.70): VV0



#34
Trichloroethene
Concen: 25.572 ug/L
RT: 5.92 min Scan# 1502
Delta R.T. 0.01 min
Lab File: VV019782.D
Acq: 21 Dec 2020 17:53

Tgt Ion: 95 Resp: 127599

Ion	Ratio	Lower	Upper
95	100		
97	65.6	44.4	82.4
132	92.6	64.3	119.3
130	96.5	67.8	125.8

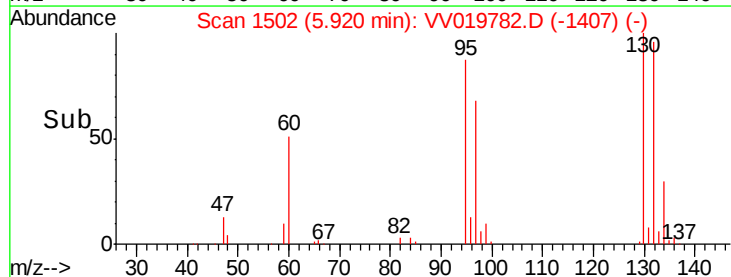
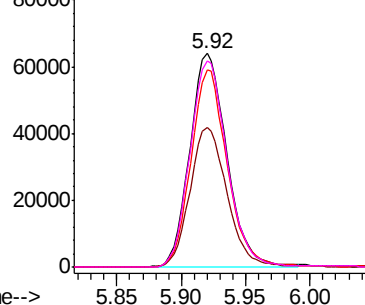


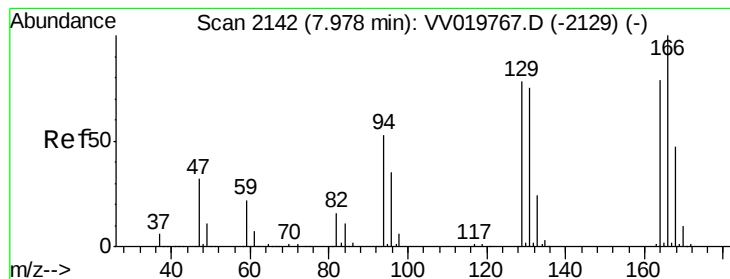
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V





#46

Tetrachloroethene

Concen: 73.035 ug/L

RT: 7.98 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VV019782.D

Acq: 21 Dec 2020 17:53

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 252168

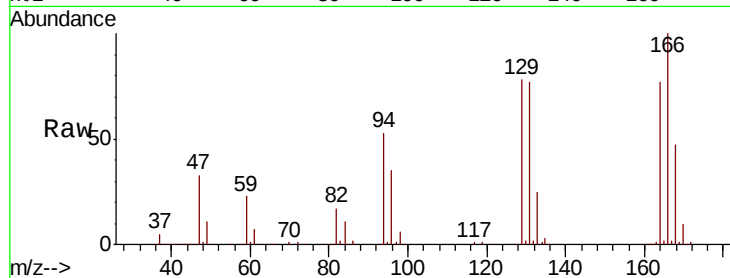
Ion Ratio Lower Upper

164 100

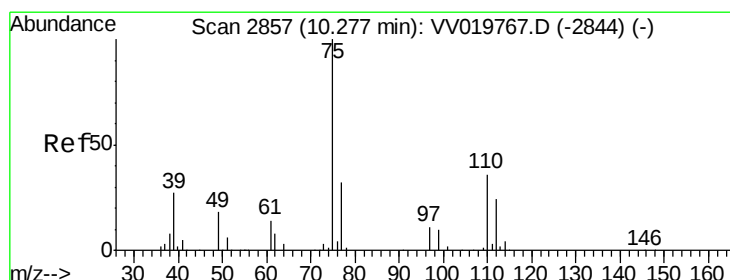
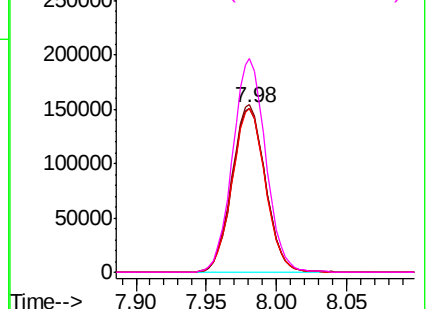
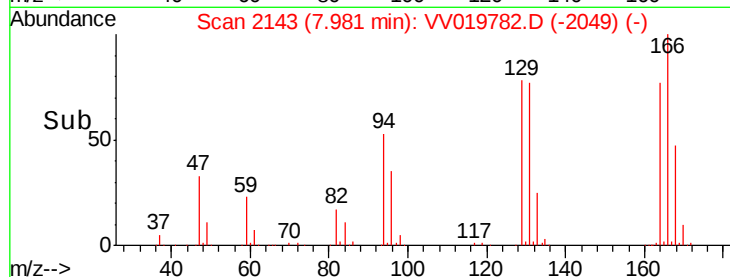
129 102.0 70.6 131.0

131 99.7 68.0 126.4

166 130.1 86.9 161.5



Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V



#59

1,2,3-Trichloropropane

Concen: 6.877 ug/L

RT: 11.25 min Scan# 3161

Delta R.T. 0.98 min

Lab File: VV019782.D

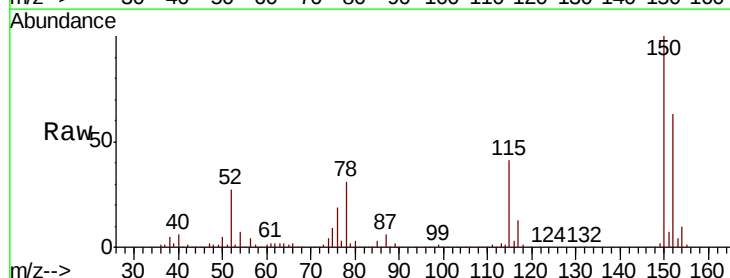
Acq: 21 Dec 2020 17:53

Tgt Ion: 75 Resp: 42195

Ion Ratio Lower Upper

75 100

77 34.9 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0

