

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121020\
 Data File : VV019522.D
 Acq On : 10 Dec 2020 20:16
 Operator : SY/MD
 Sample : L4997-08
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AQ4

Quant Time: Dec 11 02:39:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 11 02:38:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	703776	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	651175	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	302258	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	205881	40.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.60%
7) Chloroethane-d5	1.57	69	172395	43.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.62%
11) 1,1-Dichloroethene-d2	1.86	63	128	0.01	ug/L	-0.26
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.02%#
21) 2-Butanone-d5	3.89	46	272456	99.33	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.33%
24) Chloroform-d	4.35	84	409214	44.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.98%
26) 1,2-Dichloroethane-d4	5.04	65	285818	48.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.18%
32) Benzene-d6	5.05	84	812579	46.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.58%
36) 1,2-Dichloropropane-d6	6.07	67	254861	46.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.70%
41) Toluene-d8	7.32	98	733653	46.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.84%
43) trans-1,3-Dichloropropene-	7.62	79	144719	46.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.54%
47) 2-Hexanone-d5	8.09	63	205838	96.40	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.40%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	341997	46.48	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.96%
64) 1,2-Dichlorobenzene-d4	11.63	152	271305	48.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.04%

Target Compounds

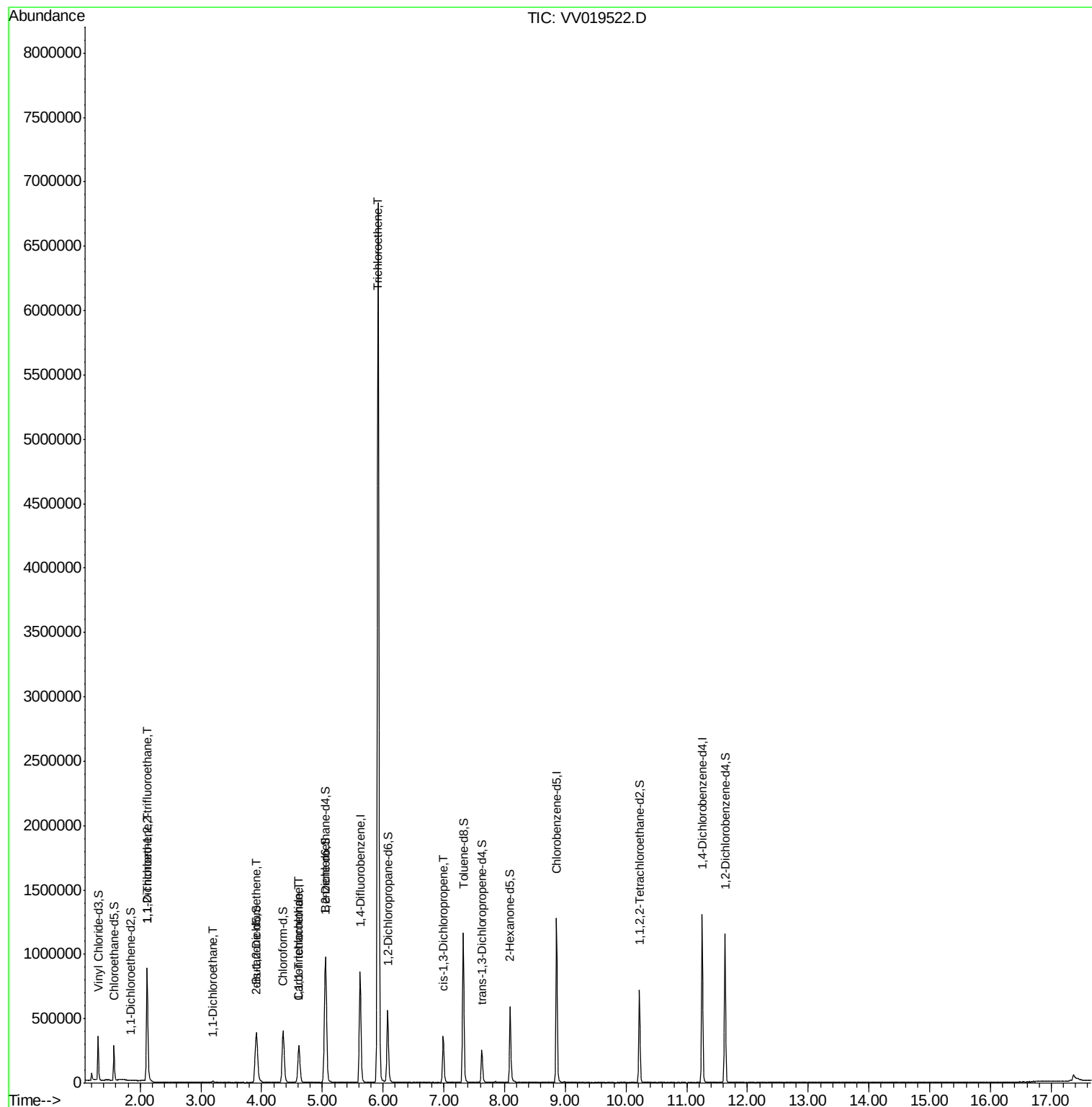
					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.11	101	3376	0.826 ug/L #	34
12) 1,1-Dichloroethene	2.12	96	136083	32.457 ug/L #	70
19) 1,1-Dichloroethane	3.20	63	11720	1.315 ug/L	100
20) cis-1,2-Dichloroethene	3.92	96	163909	32.446 ug/L #	97
30) 1,1,1-Trichloroethane	4.61	97	237891	29.136 ug/L	99
31) Carbon tetrachloride	4.61	117	29853	4.331 ug/L	99
34) Trichloroethene	5.92	95	2399678	477.330 ug/L	98
39) cis-1,3-Dichloropropene	6.99	75	9188	1.113 ug/L #	69

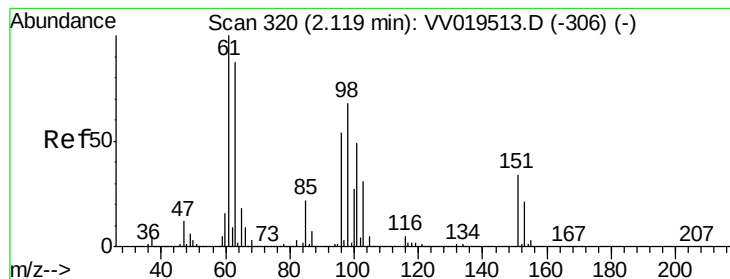
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 11 02:38:22 2020
Response via : Initial Calibration





#10

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

Concen: 0.826 ug/L

RT: 2.11 min Scan# 318

Delta R.T. -0.01 min

Lab File: VV019522.D

Acq: 10 Dec 2020 20:16

Instrument :

MSVOA_V

ClientSampleId :

C0AQ4

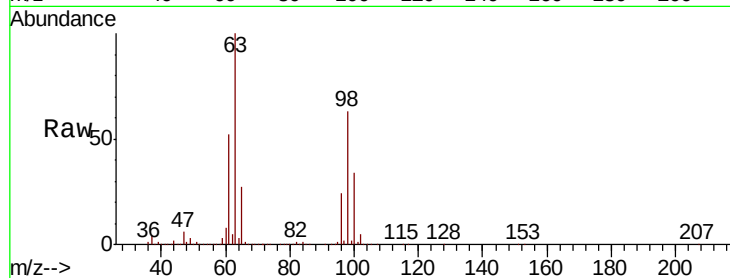
Tot Ion:101 Resp: 3376

Ion Ratio Lower Upper

101 100

85 8.1 35.0 52.4#

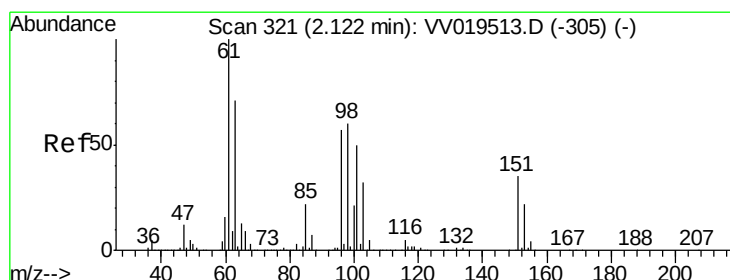
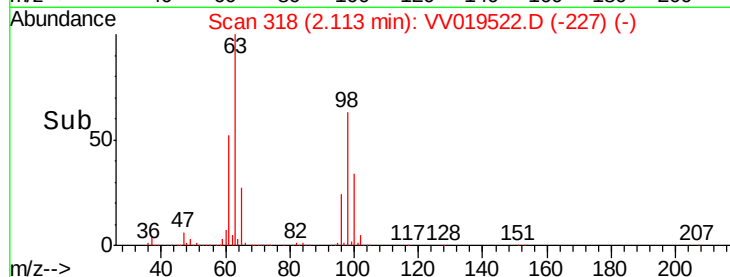
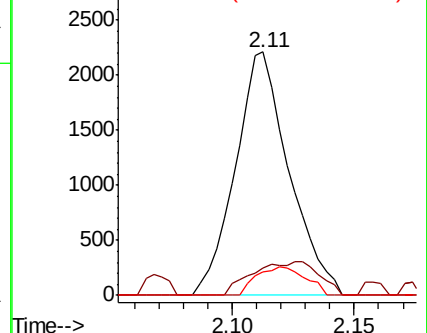
151 10.6 55.8 83.8#



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: 32.457 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.00 min

Lab File: VV019522.D

Acq: 10 Dec 2020 20:16

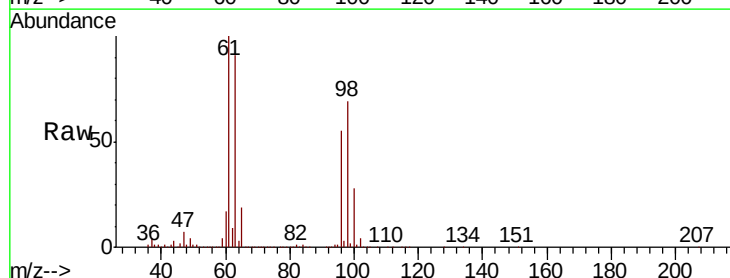
Tgt Ion: 96 Resp: 136083

Ion Ratio Lower Upper

96 100

61 180.6 120.7 224.1

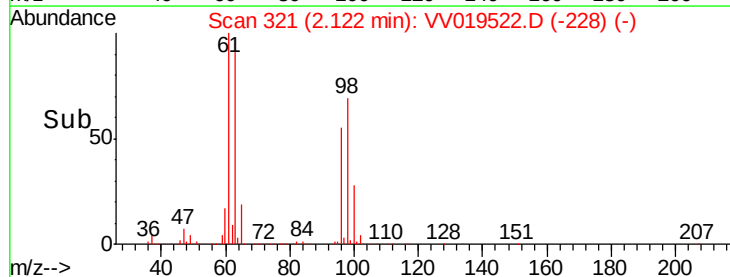
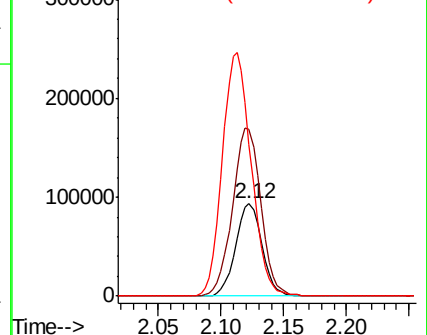
63 164.8 64.3 119.5#

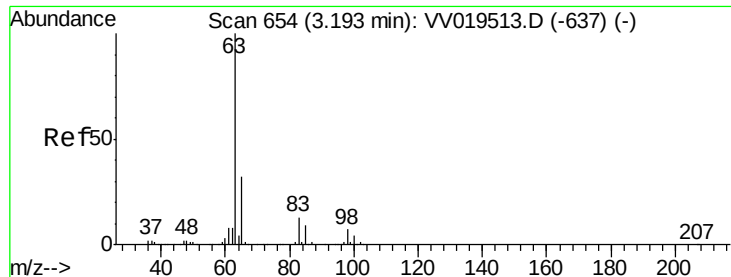


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#19

1,1-Dichloroethane

Concen: 1.315 ug/L

RT: 3.20 min Scan# 655

Delta R.T. 0.00 min

Lab File: VV019522.D

Acq: 10 Dec 2020 20:16

Instrument :

MSVOA_V

ClientSampleId :

C0AQ4

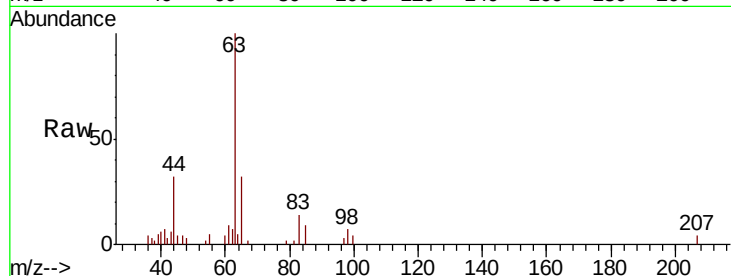
Tot Ion: 63 Resp: 11720

Ion Ratio Lower Upper

63 100

65 32.2 22.4 41.6

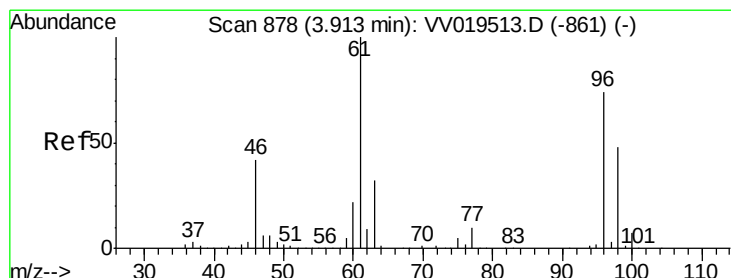
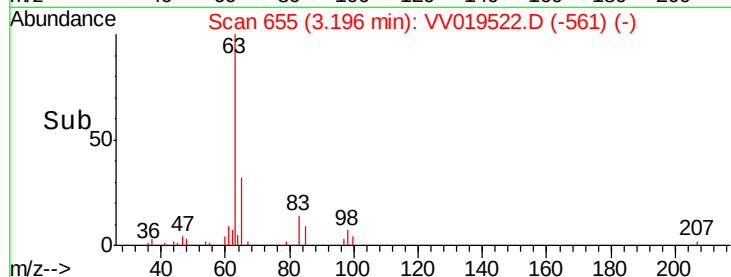
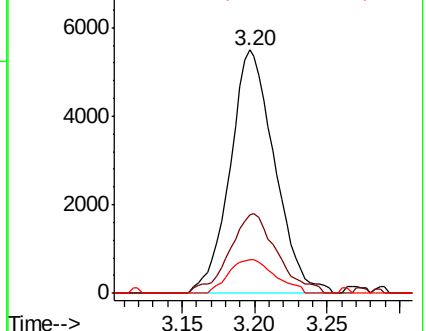
83 14.0 9.6 17.8



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 32.446 ug/L

RT: 3.92 min Scan# 879

Delta R.T. 0.00 min

Lab File: VV019522.D

Acq: 10 Dec 2020 20:16

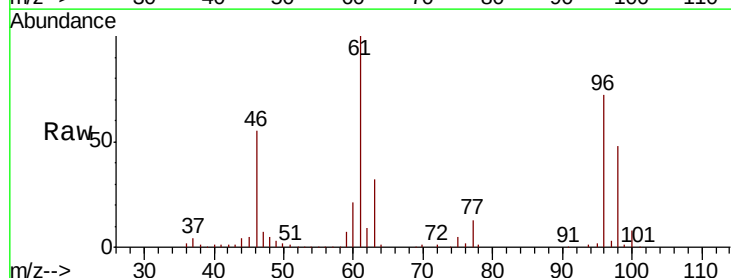
Tgt Ion: 96 Resp: 163909

Ion Ratio Lower Upper

96 100

61 138.1 94.1 174.8

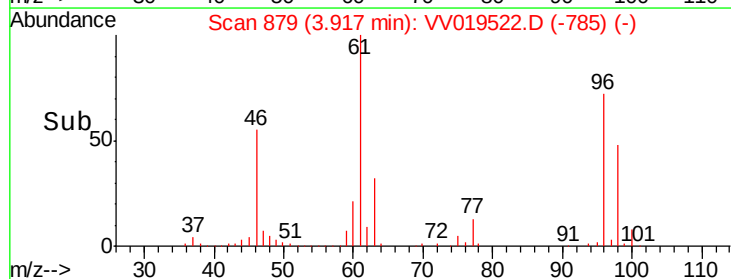
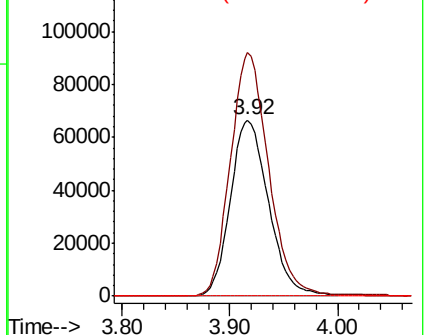
68 0.0 0.1 0.1#

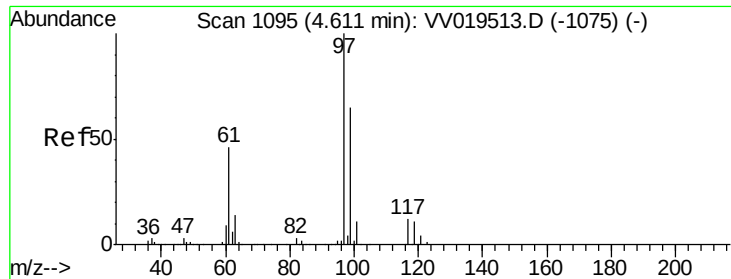


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0

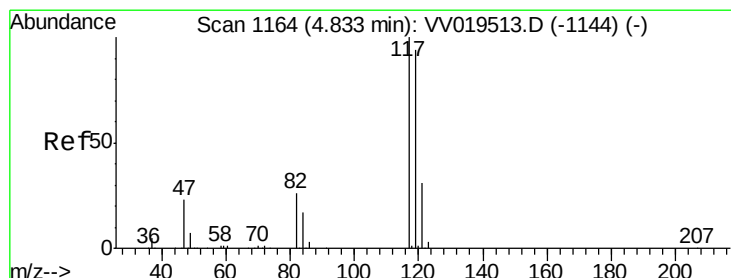
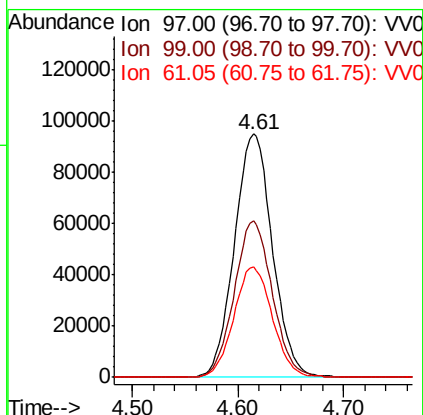
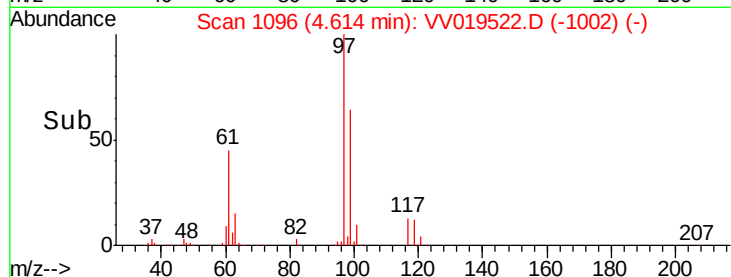
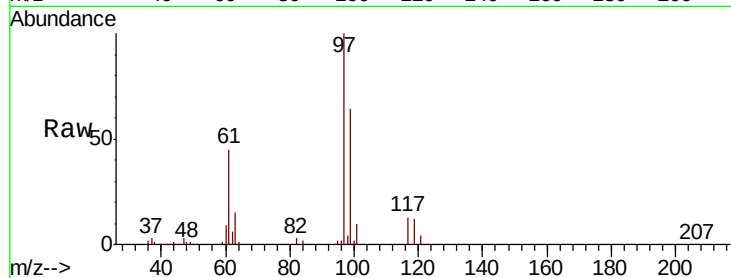




#30
 1,1,1-Trichloroethane
 Concen: 29.136 ug/L
 RT: 4.61 min Scan# 1096
 Delta R.T. 0.00 min
 Lab File: VV019522.D
 Acq: 10 Dec 2020 20:16

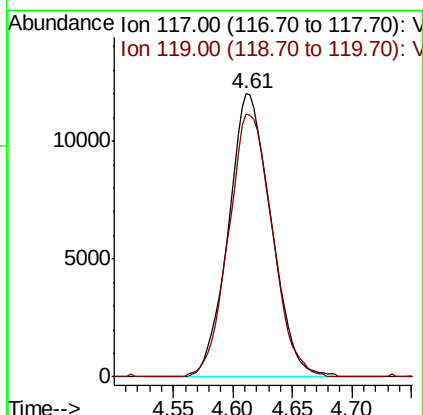
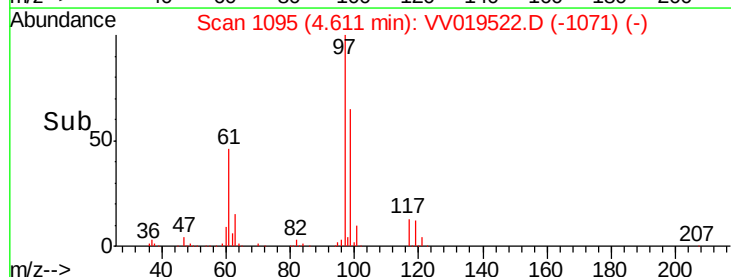
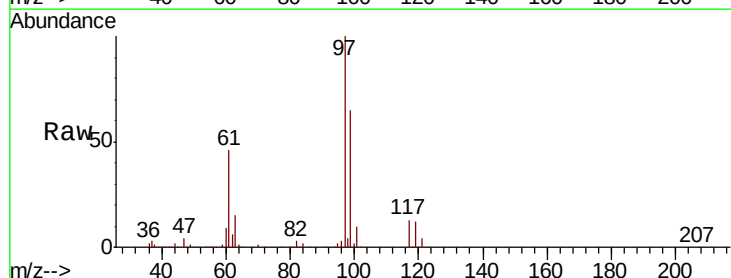
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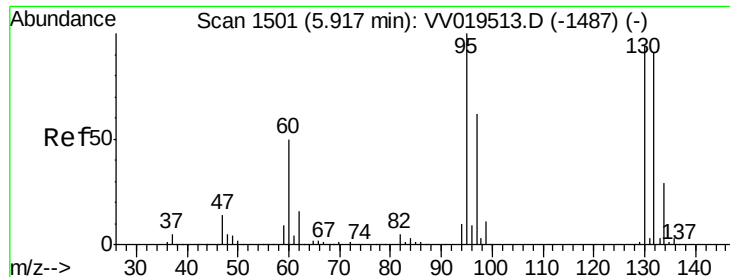
Tot Ion: 97 Resp: 237891
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.3 76.9
 61 46.1 36.3 54.5



#31
 Carbon tetrachloride
 Concen: 4.331 ug/L
 RT: 4.61 min Scan# 1095
 Delta R.T. -0.22 min
 Lab File: VV019522.D
 Acq: 10 Dec 2020 20:16

Tgt Ion: 117 Resp: 29853
 Ion Ratio Lower Upper
 117 100
 119 95.1 75.7 113.5

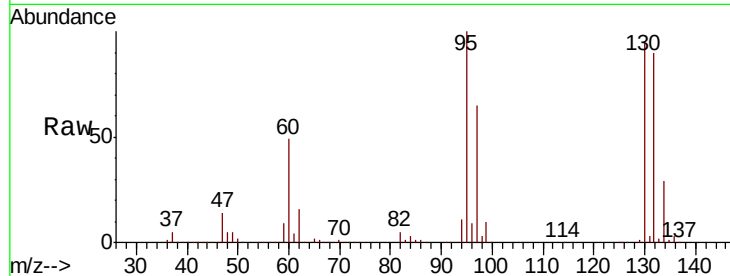




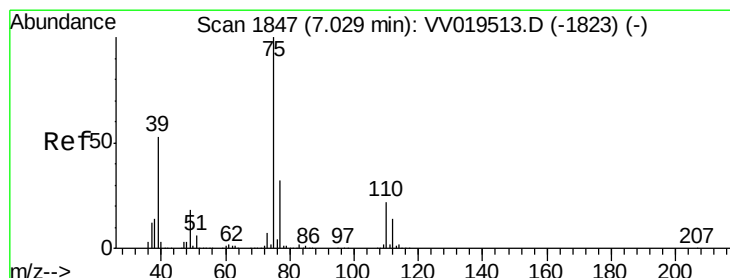
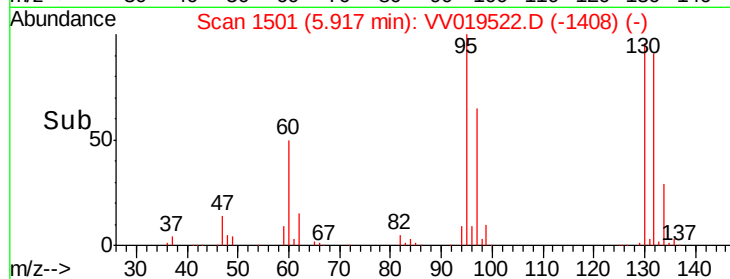
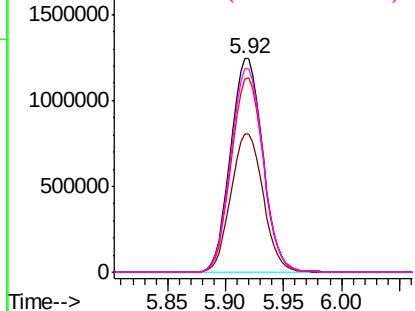
#34
 Trichloroethene
 Concen: 477.330 ug/L
 RT: 5.92 min Scan# 1501
 Delta R.T. -0.00 min
 Lab File: VV019522.D
 Acq: 10 Dec 2020 20:16

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AQ4

Tot Ion: 95 Resp: 2399678
 Ion Ratio Lower Upper
 95 100
 97 64.9 44.4 82.4
 132 90.3 64.3 119.3
 130 95.3 67.8 125.8

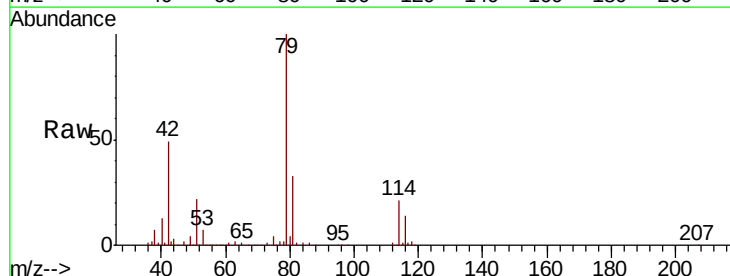


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0



#39
 cis-1,3-Dichloropropene
 Concen: 1.113 ug/L
 RT: 6.99 min Scan# 1835
 Delta R.T. -0.04 min
 Lab File: VV019522.D
 Acq: 10 Dec 2020 20:16

Tgt Ion: 75 Resp: 9188
 Ion Ratio Lower Upper
 75 100
 77 49.1 22.4 41.6#



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

