

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121020\
 Data File : VV019528.D
 Acq On : 10 Dec 2020 22:39
 Operator : SY/MD
 Sample : L4997-14
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AR0

Quant Time: Dec 11 02:40:33 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	692885	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	642658	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	304106	50.00	ug/L	0.00

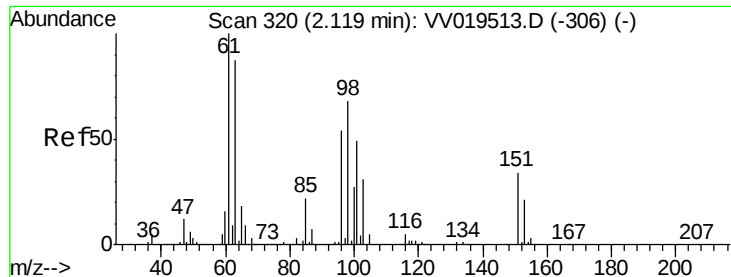
System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	198957	40.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.08%
7) Chloroethane-d5	1.57	69	170534	43.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.04%
11) 1,1-Dichloroethene-d2	1.99	63	91	0.01	ug/L	-0.13
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.02%#
21) 2-Butanone-d5	3.90	46	272979	101.08	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.08%
24) Chloroform-d	4.35	84	404951	45.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.44%
26) 1,2-Dichloroethane-d4	5.04	65	282110	48.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.42%
32) Benzene-d6	5.05	84	798500	46.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.18%
36) 1,2-Dichloropropane-d6	6.07	67	255708	47.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.24%
41) Toluene-d8	7.32	98	725291	47.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.00%
43) trans-1,3-Dichloropropene-	7.62	79	136027	44.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.08%
47) 2-Hexanone-d5	8.09	63	209373	99.36	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.36%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	342847	47.21	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.42%
64) 1,2-Dichlorobenzene-d4	11.63	152	267306	47.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.04%

Target Compounds

					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.11	101	2977	0.740	ug/L # 29
12) 1,1-Dichloroethene	2.12	96	53778	13.028	ug/L # 6
20) cis-1,2-Dichloroethene	3.92	96	57547	11.570	ug/L # 95
30) 1,1,1-Trichloroethane	4.61	97	70481	8.747	ug/L 99
31) Carbon tetrachloride	4.61	117	8456	1.243	ug/L 96
34) Trichloroethene	5.92	95	878752	177.113	ug/L 99
39) cis-1,3-Dichloropropene	6.99	75	9285	1.140	ug/L # 74
48) 2-Hexanone	8.09	43	24669	4.594	ug/L # 67
59) 1,2,3-Trichloropropane	11.25	75	40372	6.617	ug/L 91

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



#10

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

Concen: 0.740 ug/L

RT: 2.11 min Scan# 317

Delta R.T. -0.01 min

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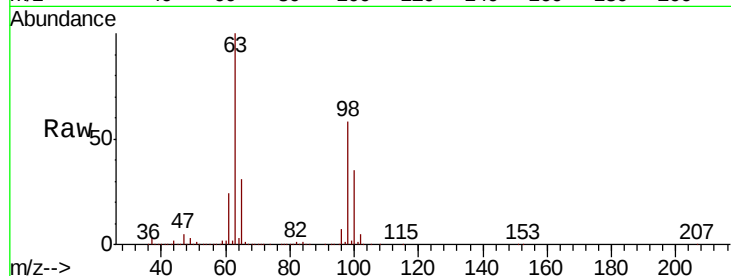
Tot Ion:101 Resp: 2977

Ion Ratio Lower Upper

101 100

85 3.3 35.0 52.4#

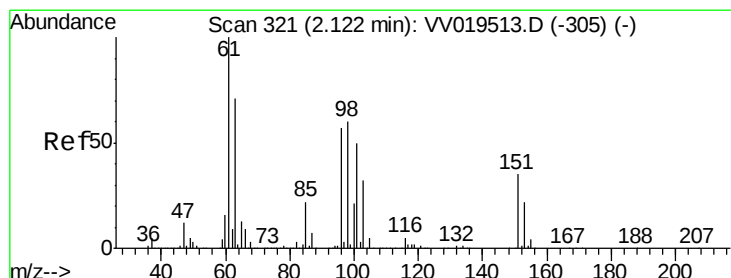
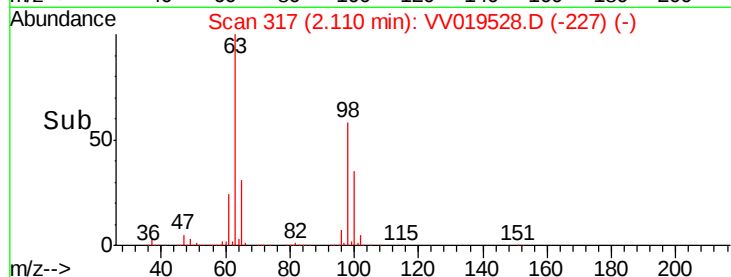
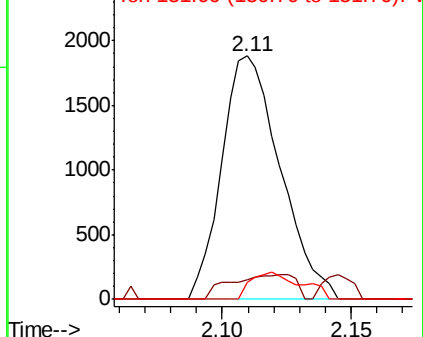
151 7.4 55.8 83.8#



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: 13.028 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.00 min

Lab File: VV019528.D

Acq: 10 Dec 2020 22:39

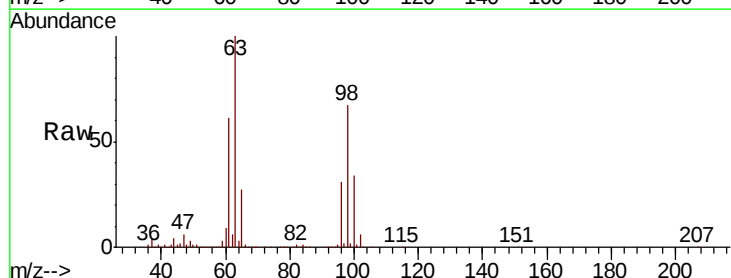
Tgt Ion: 96 Resp: 53778

Ion Ratio Lower Upper

96 100

61 194.9 120.7 224.1

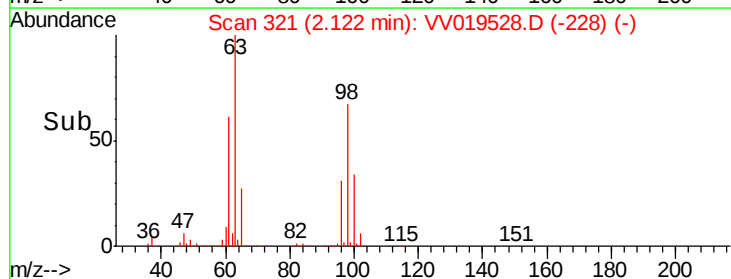
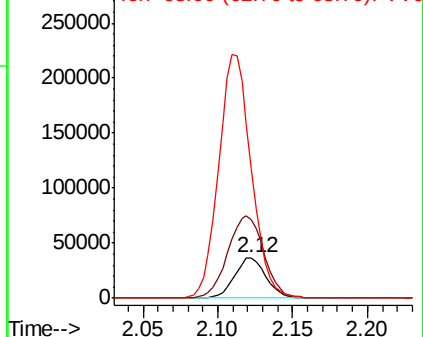
63 320.6 64.3 119.5#

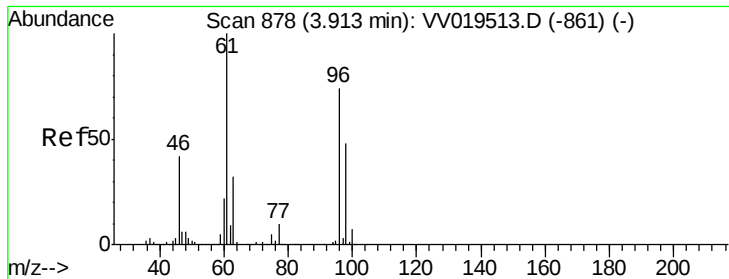


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#20

cis-1,2-Dichloroethene

Concen: 11.570 ug/L

RT: 3.92 min Scan# 879

Delta R.T. 0.00 min

Lab File: VV019528.D

Acq: 10 Dec 2020 22:39

Instrument :

MSVOA_V

ClientSampleId :

C0AR0

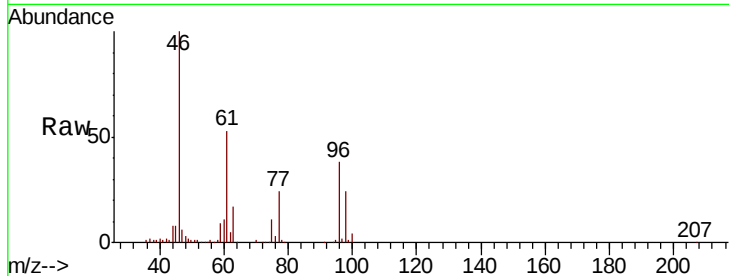
Tot Ion: 96 Resp: 57547

Ion Ratio Lower Upper

96 100

61 140.2 94.1 174.8

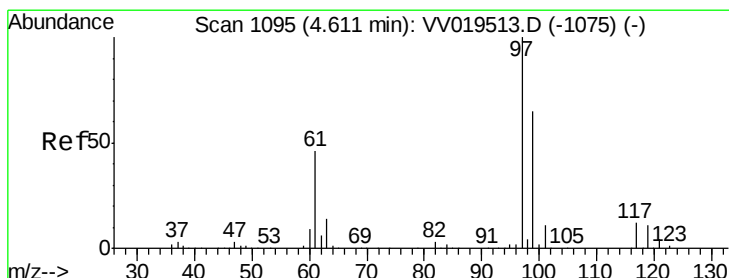
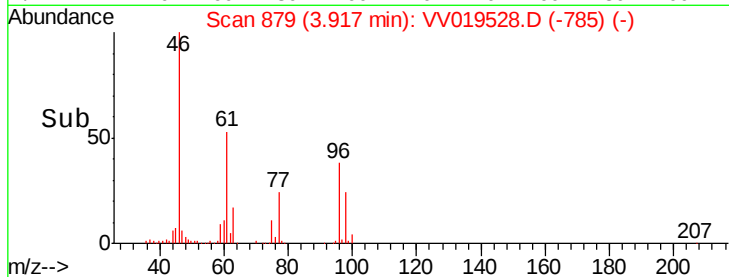
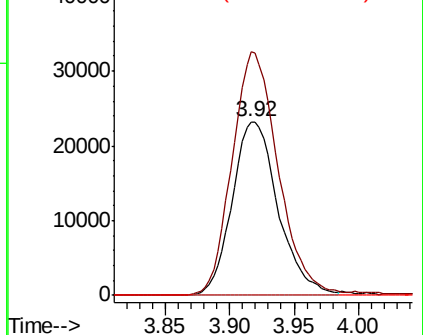
68 0.0 0.1 0.1#



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: 8.747 ug/L

RT: 4.61 min Scan# 1096

Delta R.T. 0.00 min

Lab File: VV019528.D

Acq: 10 Dec 2020 22:39

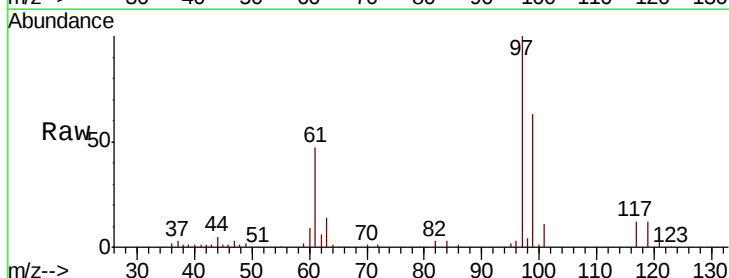
Tgt Ion: 97 Resp: 70481

Ion Ratio Lower Upper

97 100

99 63.3 51.3 76.9

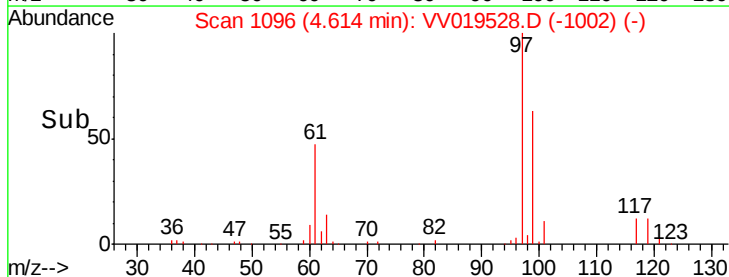
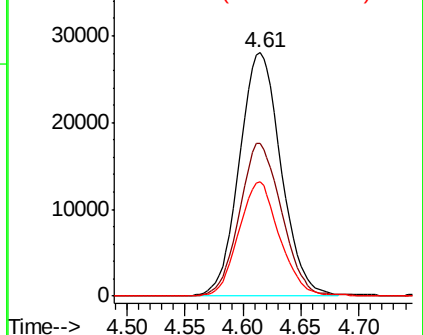
61 45.5 36.3 54.5

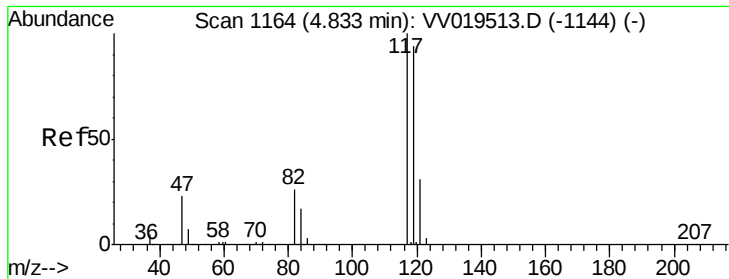


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

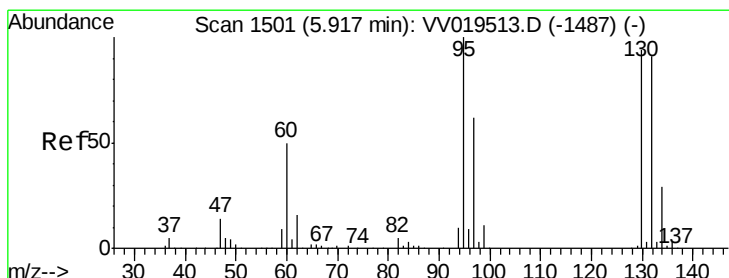
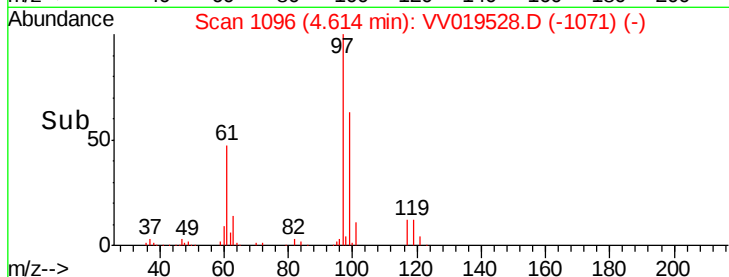
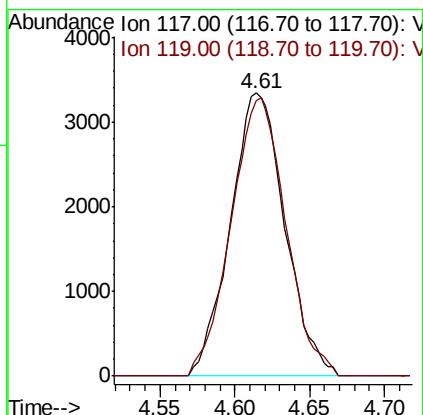
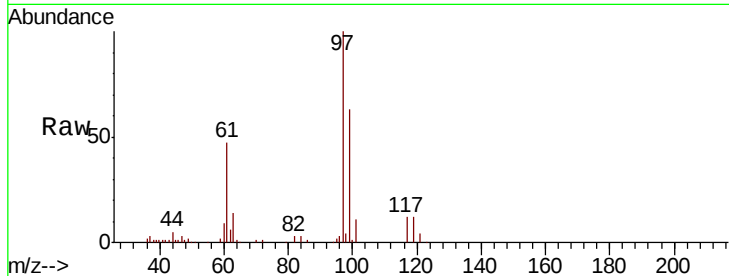




#31
Carbon tetrachloride
Concen: 1.243 ug/L
RT: 4.61 min Scan# 1096
Delta R.T. -0.22 min
Lab File: VV019528.D
Acq: 10 Dec 2020 22:39

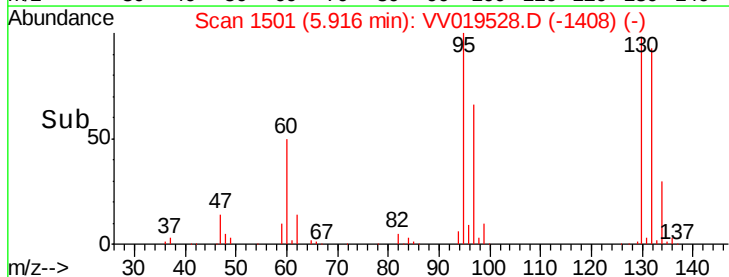
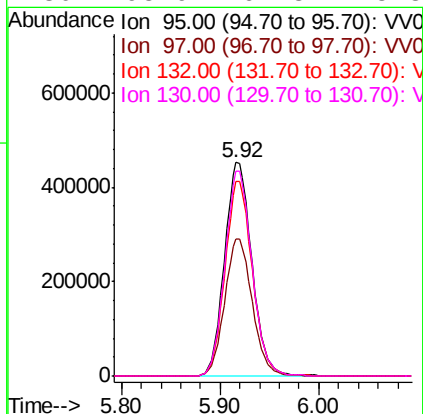
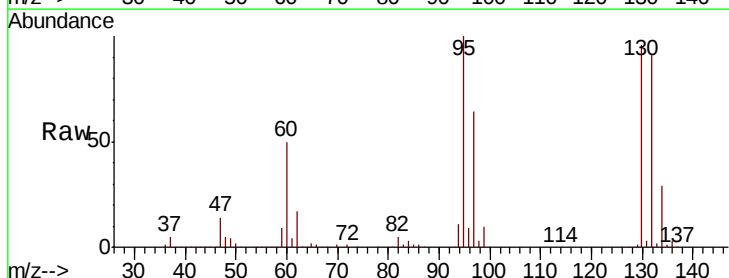
Instrument :
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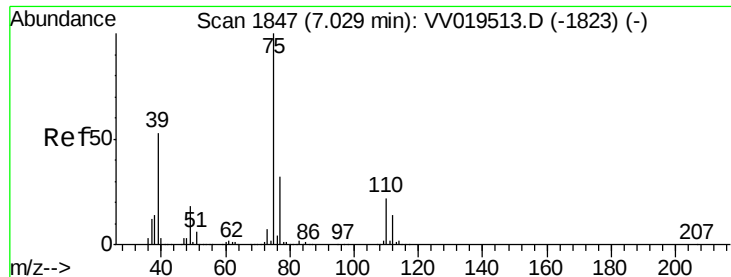
Tot Ion:117 Resp: 8456
Ion Ratio Lower Upper
117 100
119 98.9 75.7 113.5



#34
Trichloroethene
Concen: 177.113 ug/L
RT: 5.92 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VV019528.D
Acq: 10 Dec 2020 22:39

Tgt Ion: 95 Resp: 878752
Ion Ratio Lower Upper
95 100
97 64.3 44.4 82.4
132 90.8 64.3 119.3
130 95.9 67.8 125.8

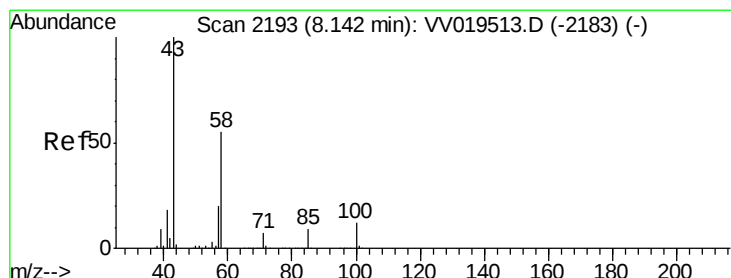
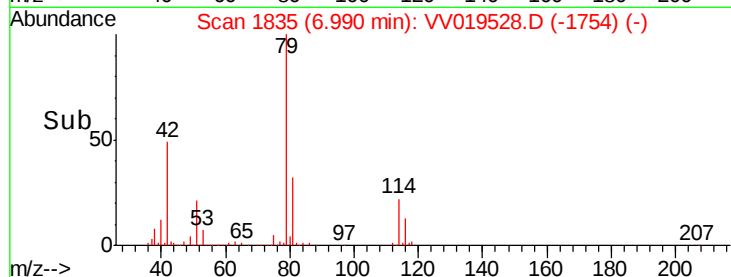
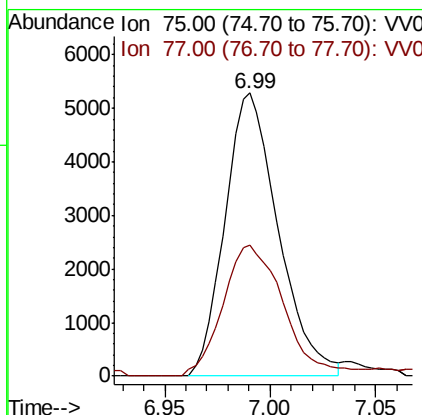
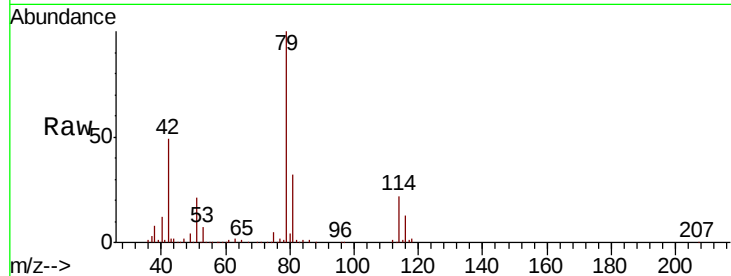




#39
 cis-1,3-Dichloropropene
 Concen: 1.140 ug/L
 RT: 6.99 min Scan# 1835
 Delta R.T. -0.04 min
 Lab File: VV019528.D
 Acq: 10 Dec 2020 22:39

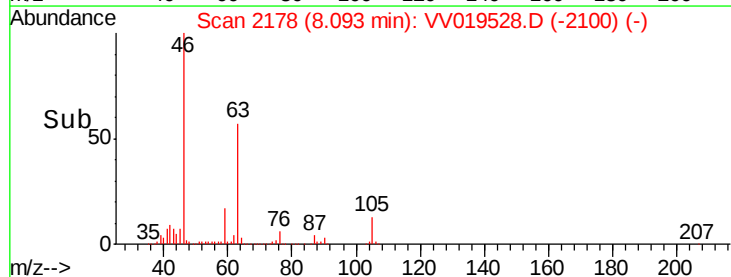
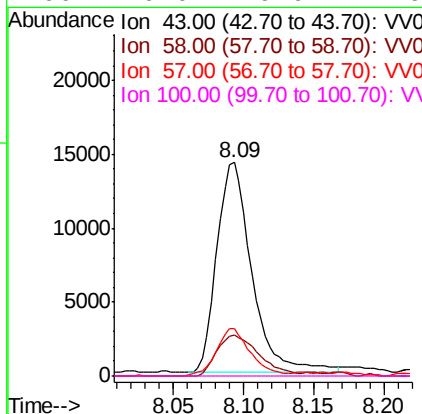
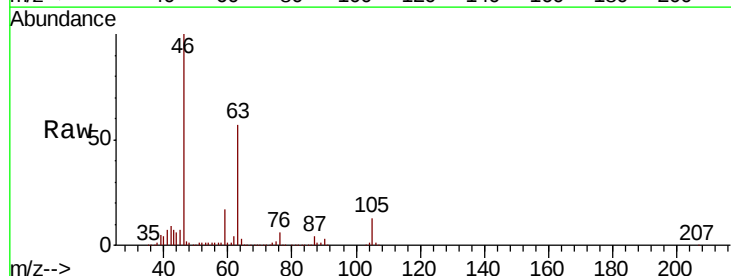
Instrument :
 MSVOA_V
 ClientSampleId :
 C0AR0

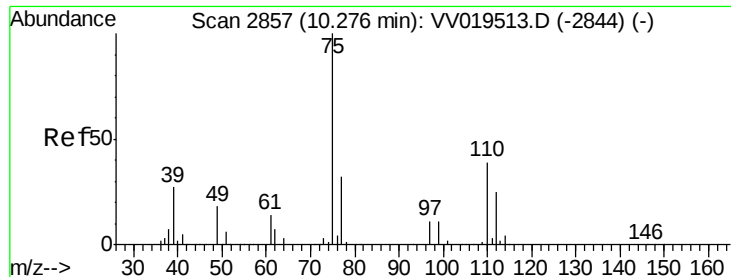
Tot Ion: 75 Resp: 9285
 Ion Ratio Lower Upper
 75 100
 77 46.3 22.4 41.6#



#48
 2-Hexanone
 Concen: 4.594 ug/L
 RT: 8.09 min Scan# 2178
 Delta R.T. -0.05 min
 Lab File: VV019528.D
 Acq: 10 Dec 2020 22:39

Tgt Ion: 43 Resp: 24669
 Ion Ratio Lower Upper
 43 100
 58 23.6 44.4 66.6#
 57 21.7 15.7 23.5
 100 0.0 9.9 14.9#





#59

1,2,3-Trichloropropane

Concen: 6.617 ug/L

RT: 11.25 min Scan# 3161

Delta R.T. 0.98 min

Lab File: VV019528.D

Acq: 10 Dec 2020 22:39

Instrument :

MSVOA_V

ClientSampleId :

C0AR0

Tot Ion: 75 Resp: 40372

Ion Ratio Lower Upper

75 100

77 37.1 25.8 38.8

