

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122420\
 Data File : VV019830.D
 Acq On : 24 Dec 2020 12:09
 Operator : SY/MD
 Sample : L5204-03
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AL7

Quant Time: Dec 25 05:37:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 25 05:36:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	664217	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	634805	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.26	152	309011	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	208239	43.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.44%
7) Chloroethane-d5	1.57	69	176677	47.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.06%
11) 1,1-Dichloroethene-d2	2.11	63	317151	35.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.76%
21) 2-Butanone-d5	3.89	46	322468	124.56	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	124.56%
24) Chloroform-d	4.35	84	398641	46.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.88%
26) 1,2-Dichloroethane-d4	5.04	65	278892	49.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.42%
32) Benzene-d6	5.05	84	792610	46.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.64%
36) 1,2-Dichloropropane-d6	6.07	67	252496	47.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.22%
41) Toluene-d8	7.32	98	698151	45.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.60%
43) trans-1,3-Dichloropropene-	7.62	79	119109	39.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.96%
47) 2-Hexanone-d5	8.09	63	201488	96.80	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.80%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	323814	45.14	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.28%
64) 1,2-Dichlorobenzene-d4	11.63	152	258116	44.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.38%

Target Compounds

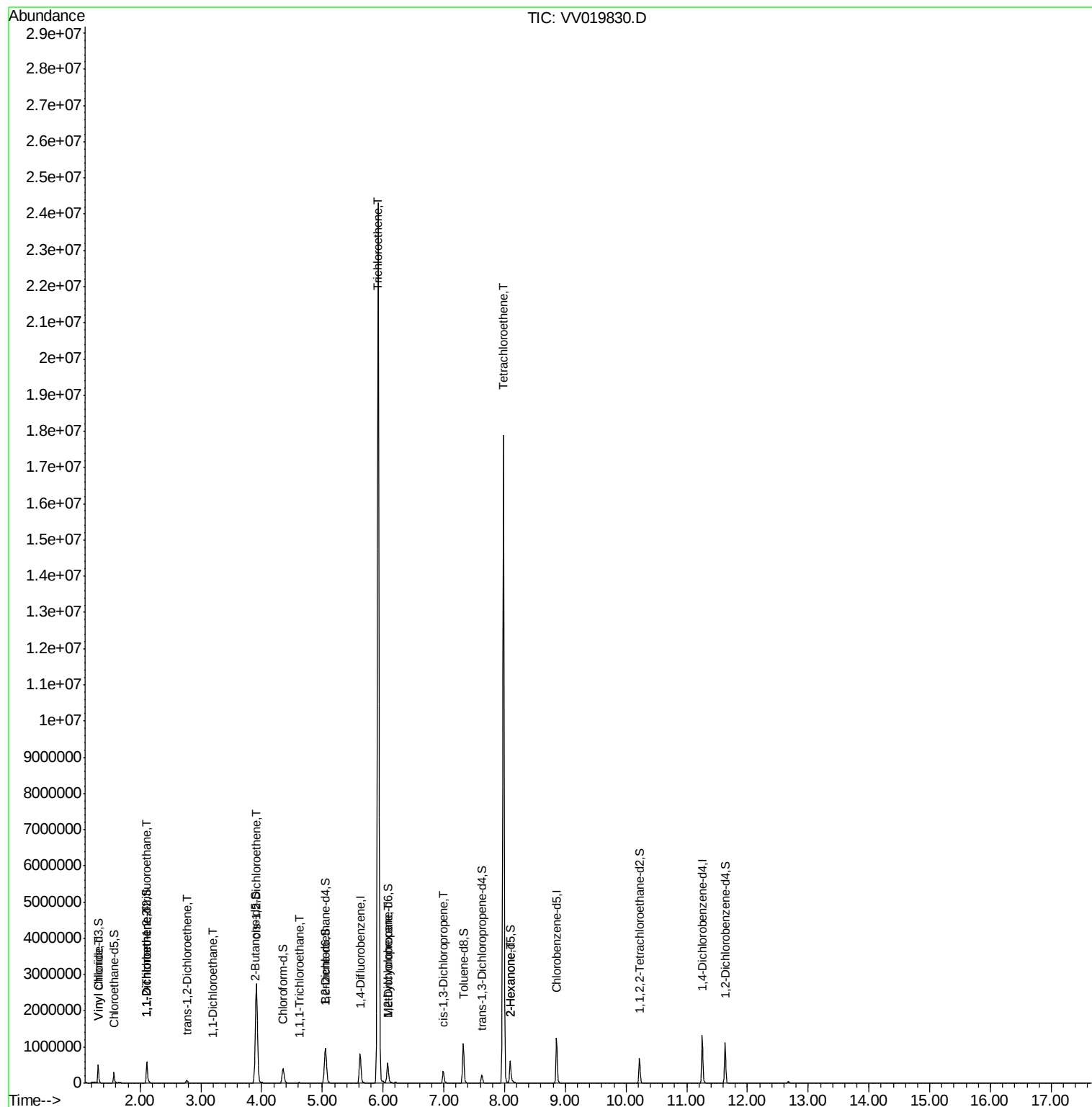
					Ovalue
5) Vinyl chloride	1.31	62	112044	19.605	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.11	101	2626	0.681	ug/L # 24
12) 1,1-Dichloroethene	2.12	96	17596	4.447	ug/L # 1
17) trans-1,2-Dichloroethene	2.77	96	29692	6.846	ug/L 99
19) 1,1-Dichloroethane	3.19	63	11656	1.386	ug/L 93
20) cis-1,2-Dichloroethene	3.91	96	1411925	296.136	ug/L # 96
30) 1,1,1-Trichloroethane	4.62	97	11032	1.386	ug/L 97
34) Trichloroethene	5.92	95	8387337	1711.384	ug/L 97
35) Methylcyclohexane	6.07	83	60764	8.161	ug/L # 17
39) cis-1,3-Dichloropropene	6.99	75	8292	1.030	ug/L 83
46) Tetrachloroethene	7.98	164	3519290	1037.771	ug/L 98
48) 2-Hexanone	8.09	43	26413	4.980	ug/L # 73

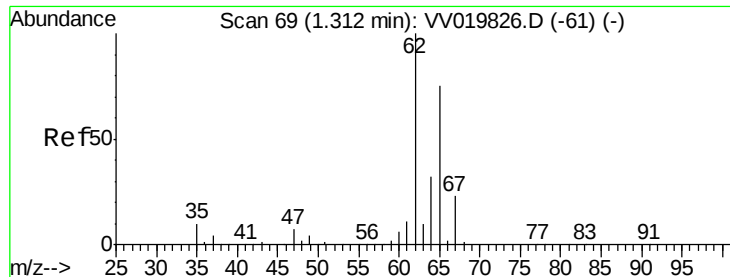
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 25 05:36:52 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 19.605 ug/L

RT: 1.31 min Scan# 69

Delta R.T. 0.00 min

Lab File: VV019830.D

Acq: 24 Dec 2020 12:09

Instrument :

MSVOA_V

ClientSampled :

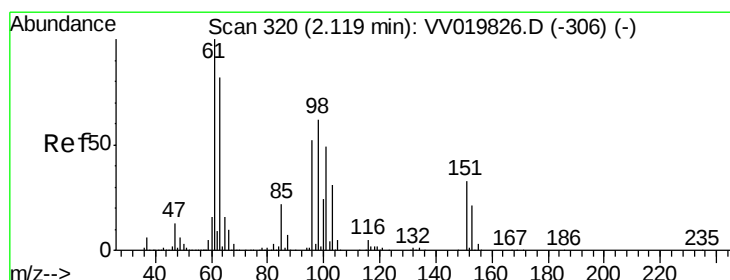
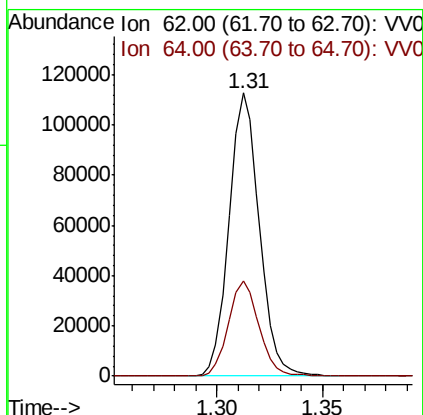
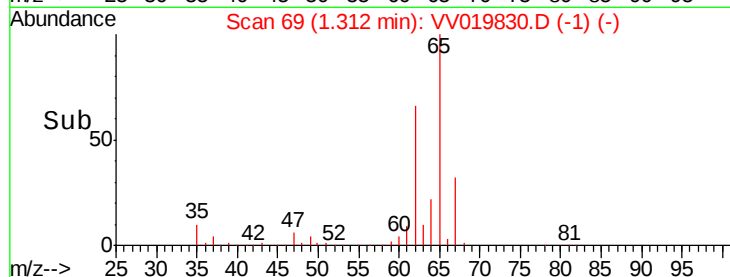
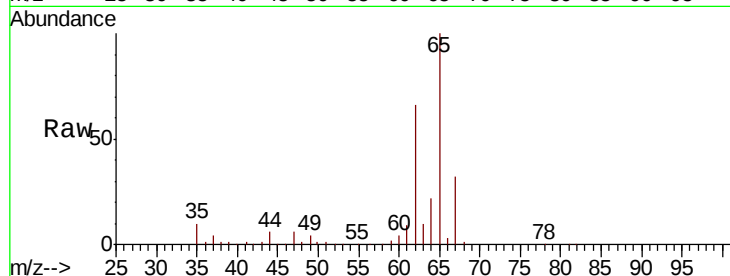
C0AL7

Tot Ion: 62 Resp: 112044

Ion Ratio Lower Upper

62 100

64 33.7 22.5 41.7



#10

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

Concen: 0.681 ug/L

RT: 2.11 min Scan# 317

Delta R.T. -0.01 min

Lab File: VV019830.D

Acq: 24 Dec 2020 12:09

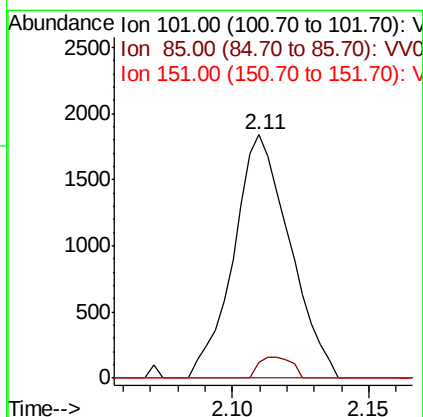
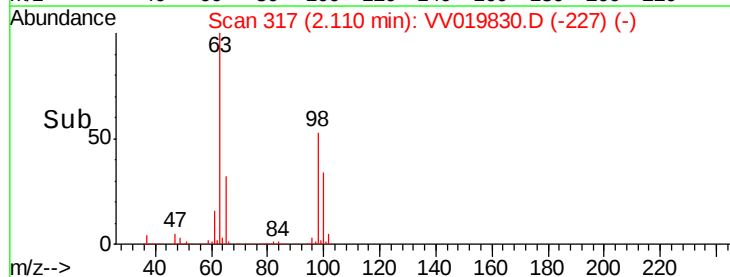
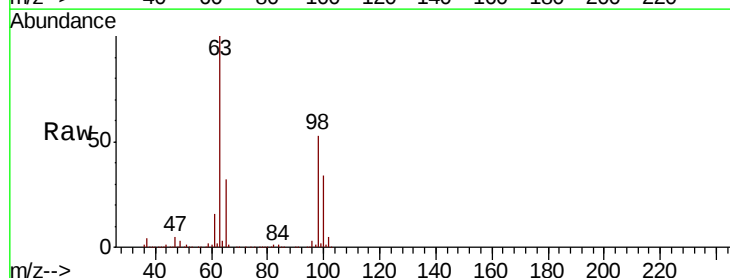
Tgt Ion: 101 Resp: 2626

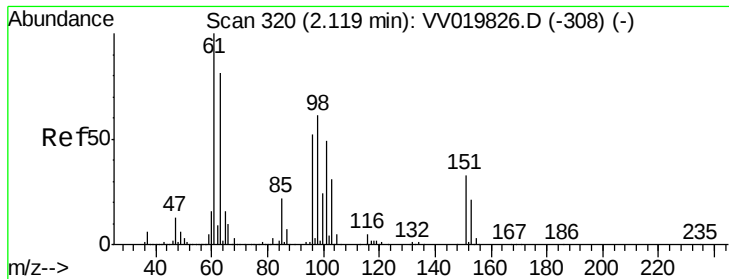
Ion Ratio Lower Upper

101 100

85 5.0 35.0 52.4#

151 0.0 55.8 83.8#





#12

1,1-Dichloroethene

Concen: 4.447 ug/L

RT: 2.12 min Scan# 320

Delta R.T. 0.00 min

Lab File: VV019830.D

Acq: 24 Dec 2020 12:09

Instrument :

MSVOA_V

ClientSampleId :

C0AL7

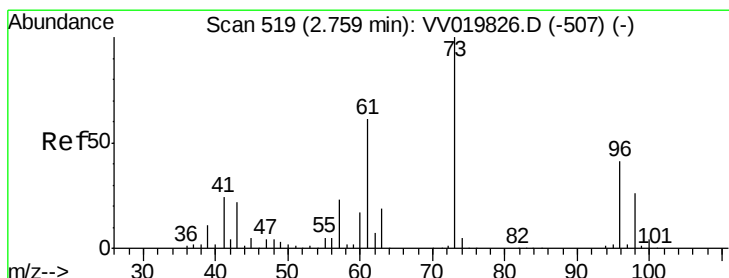
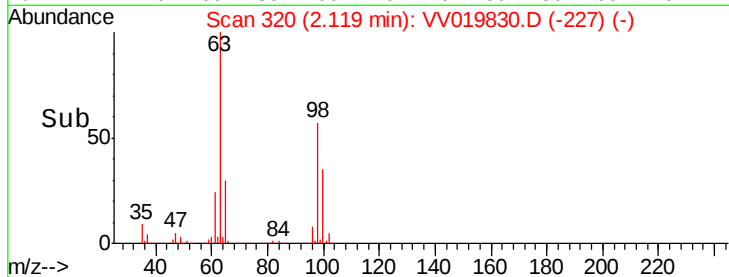
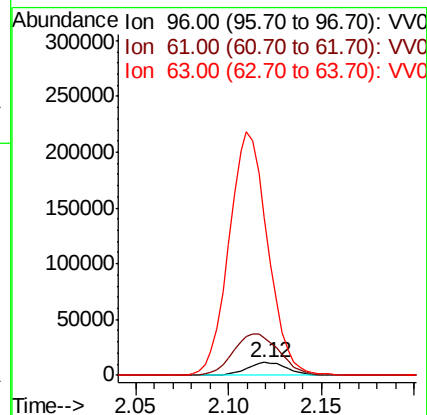
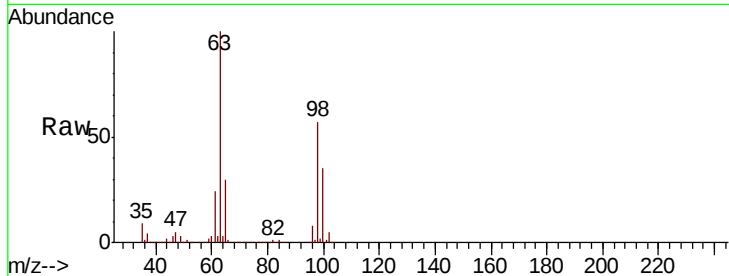
Tot Ion: 96 Resp: 17596

Ion Ratio Lower Upper

96 100

61 301.6 120.7 224.1#

63 1246.5 64.3 119.5#



#17

trans-1,2-Dichloroethene

Concen: 6.846 ug/L

RT: 2.77 min Scan# 521

Delta R.T. 0.01 min

Lab File: VV019830.D

Acq: 24 Dec 2020 12:09

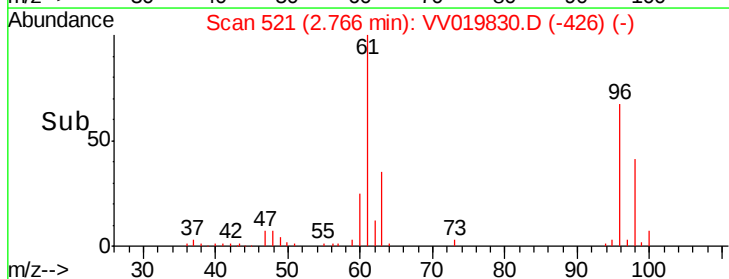
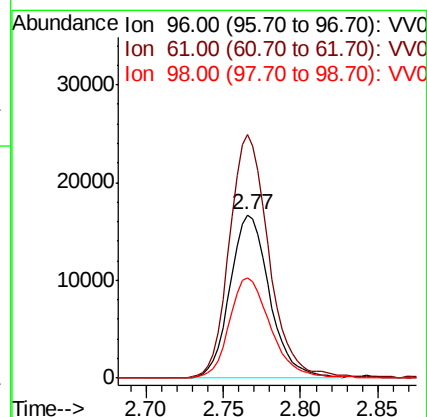
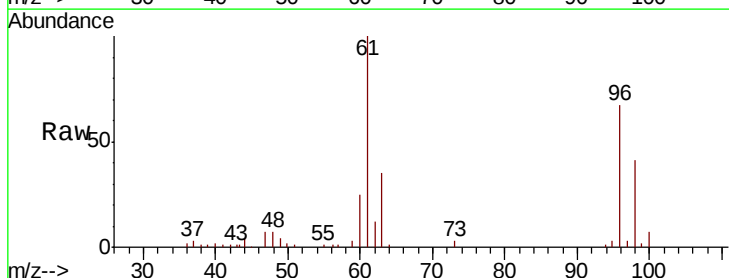
Tgt Ion: 96 Resp: 29692

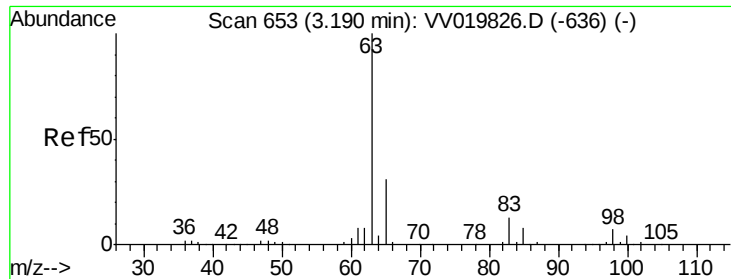
Ion Ratio Lower Upper

96 100

61 149.2 103.5 192.1

98 61.8 44.4 82.5

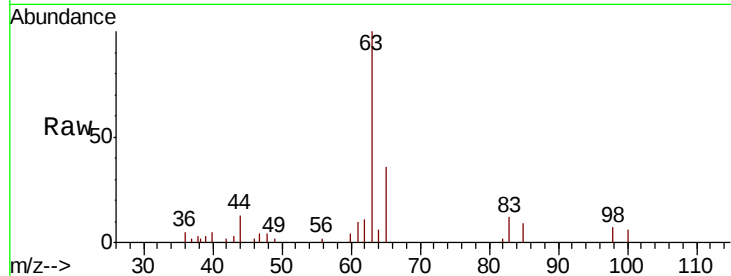




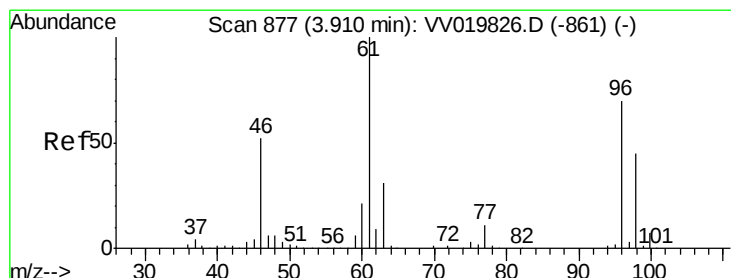
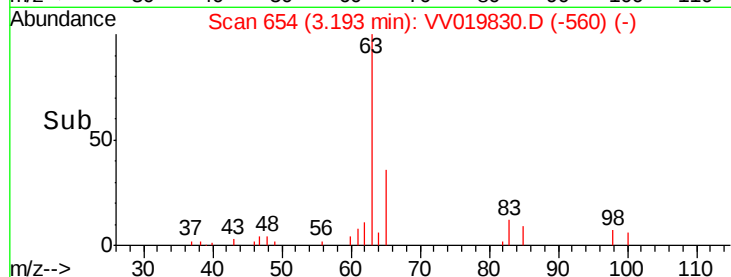
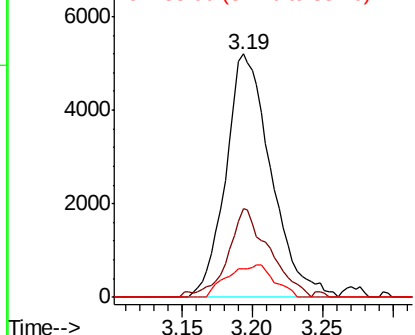
#19
 1,1-Dichloroethane
 Concen: 1.386 ug/L
 RT: 3.19 min Scan# 654
 Delta R.T. 0.00 min
 Lab File: VV019830.D
 Acq: 24 Dec 2020 12:09

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AL7

Tot Ion: 63 Resp: 11656
 Ion Ratio Lower Upper
 63 100
 65 36.3 22.4 41.6
 83 12.0 9.6 17.8

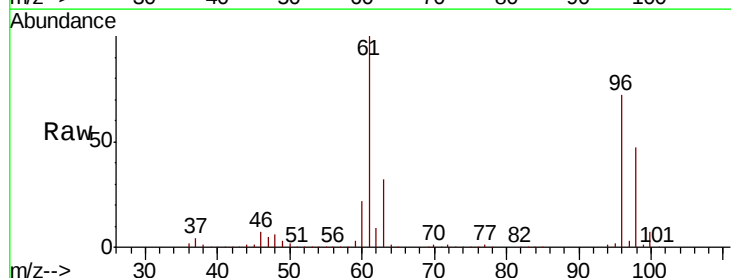


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

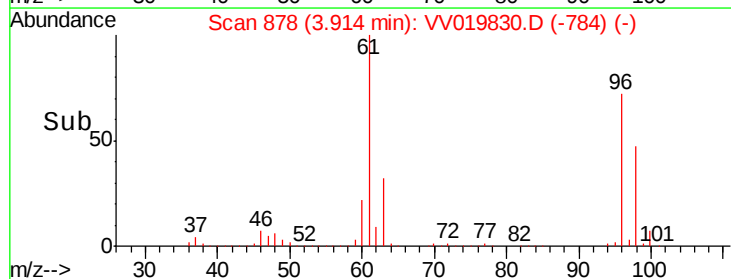
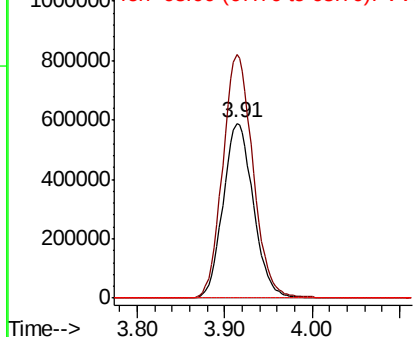


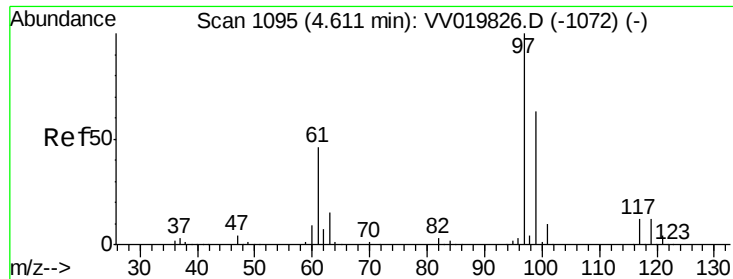
#20
 cis-1,2-Dichloroethene
 Concen: 296.136 ug/L
 RT: 3.91 min Scan# 878
 Delta R.T. 0.00 min
 Lab File: VV019830.D
 Acq: 24 Dec 2020 12:09

Tgt Ion: 96 Resp: 1411925
 Ion Ratio Lower Upper
 96 100
 61 139.3 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

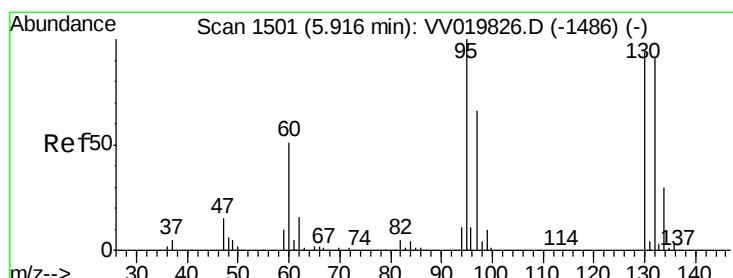
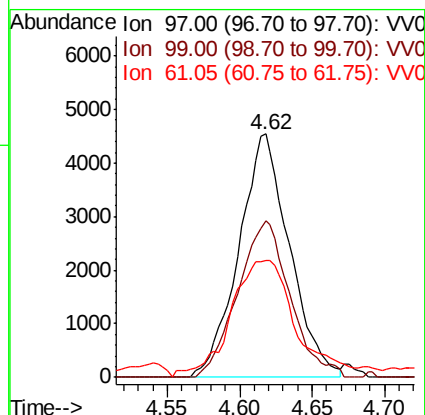
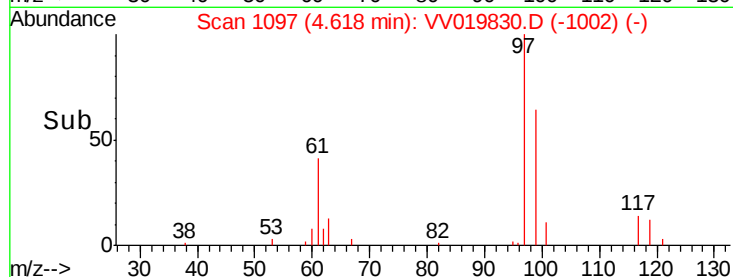
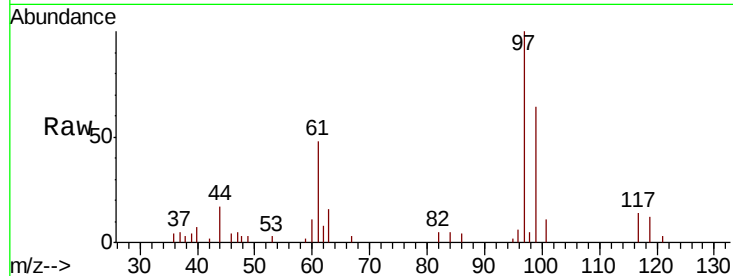




#30
 1,1,1-Trichloroethane
 Concen: 1.386 ug/L
 RT: 4.62 min Scan# 1097
 Delta R.T. 0.01 min
 Lab File: VV019830.D
 Acq: 24 Dec 2020 12:09

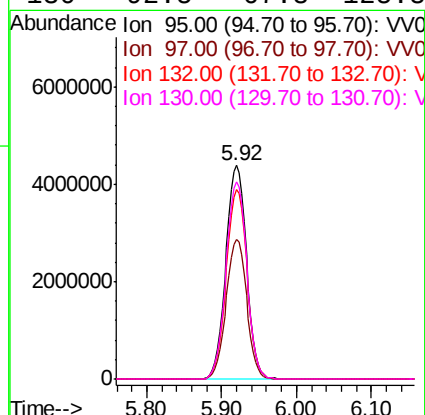
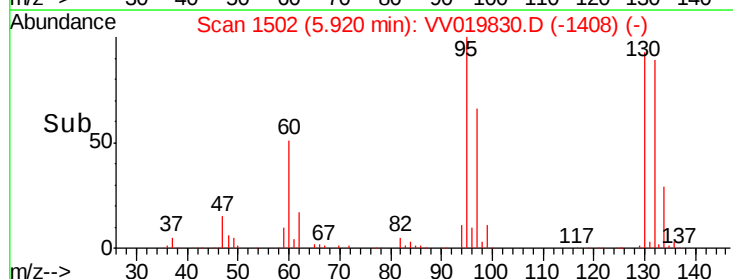
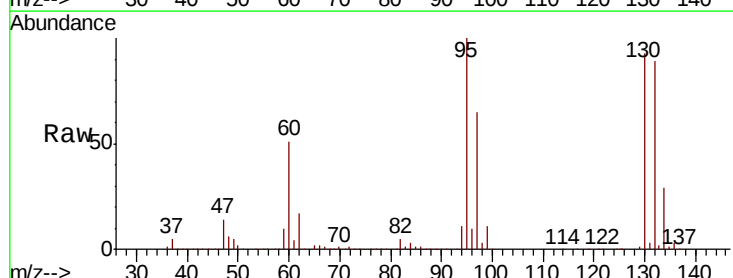
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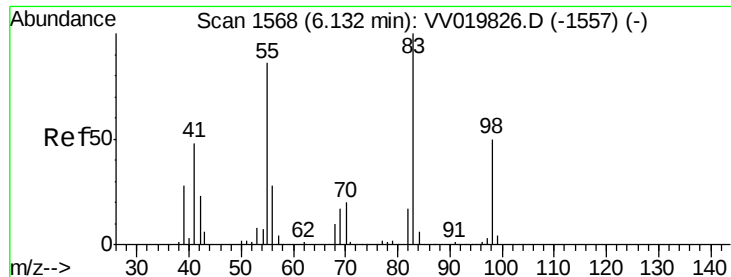
Tot Ion: 97 Resp: 11032
 Ion Ratio Lower Upper
 97 100
 99 65.4 51.3 76.9
 61 48.2 36.3 54.5



#34
 Trichloroethene
 Concen: 1711.384 ug/L
 RT: 5.92 min Scan# 1502
 Delta R.T. 0.00 min
 Lab File: VV019830.D
 Acq: 24 Dec 2020 12:09

Tgt Ion: 95 Resp: 8387337
 Ion Ratio Lower Upper
 95 100
 97 65.5 44.4 82.4
 132 88.8 64.3 119.3
 130 92.5 67.8 125.8

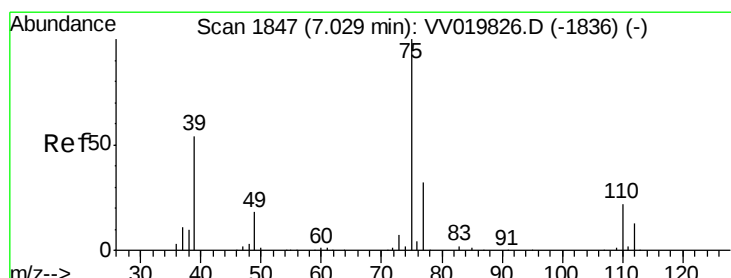
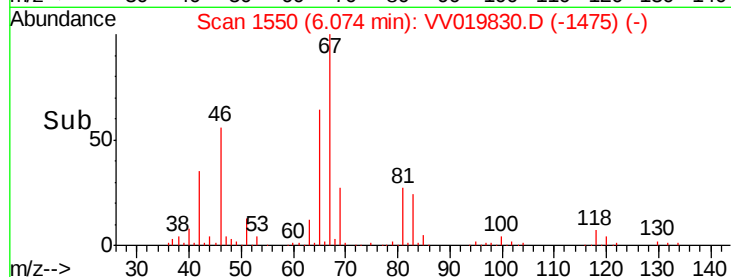
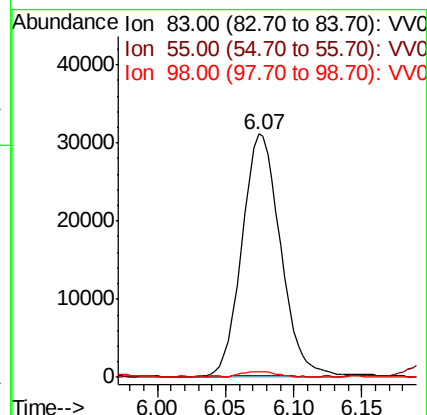
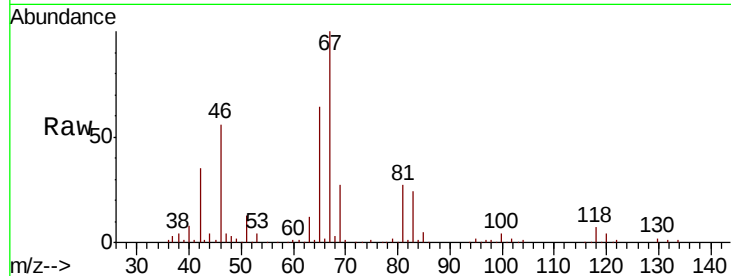




#35
Methvlcvclohexane
Concen: 8.161 ug/L
RT: 6.07 min Scan# 1550
Delta R.T. -0.06 min
Lab File: VV019830.D
Acq: 24 Dec 2020 12:09

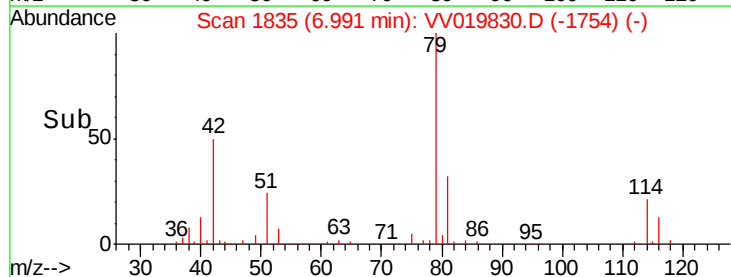
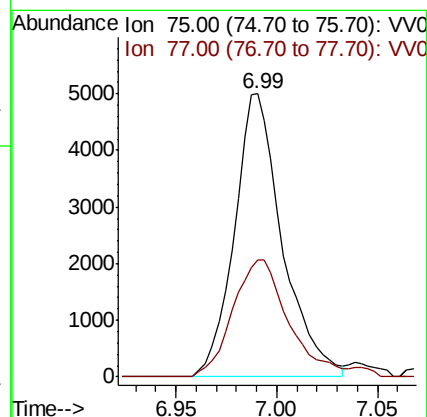
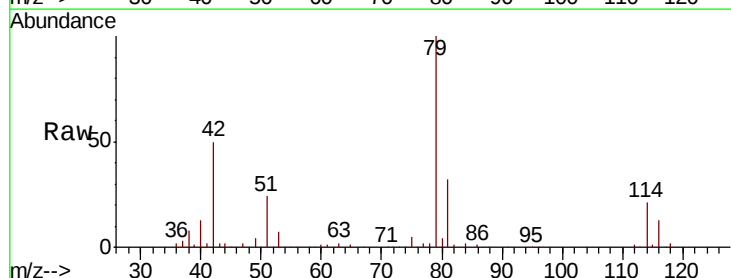
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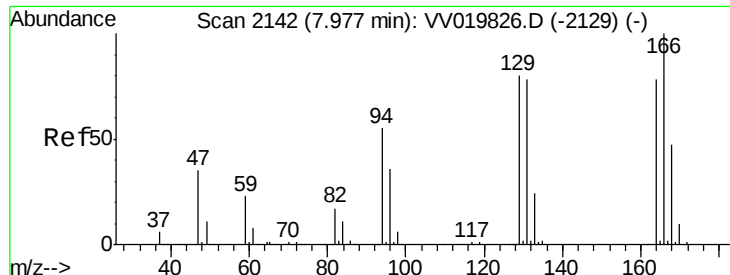
Tot Ion: 83 Resp: 60764
Ion Ratio Lower Upper
83 100
55 0.4 64.2 96.4#
98 1.0 39.3 58.9#



#39
cis-1,3-Dichloropropene
Concen: 1.030 ug/L
RT: 6.99 min Scan# 1835
Delta R.T. -0.04 min
Lab File: VV019830.D
Acq: 24 Dec 2020 12:09

Tgt Ion: 75 Resp: 8292
Ion Ratio Lower Upper
75 100
77 41.5 22.4 41.6

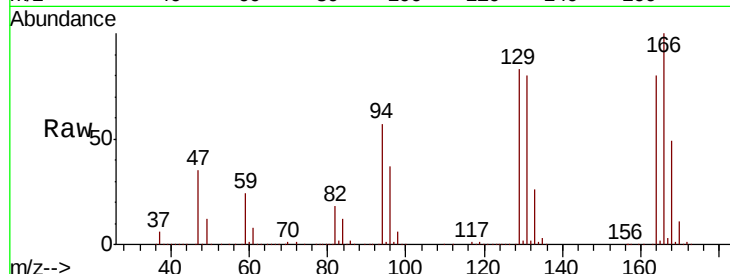




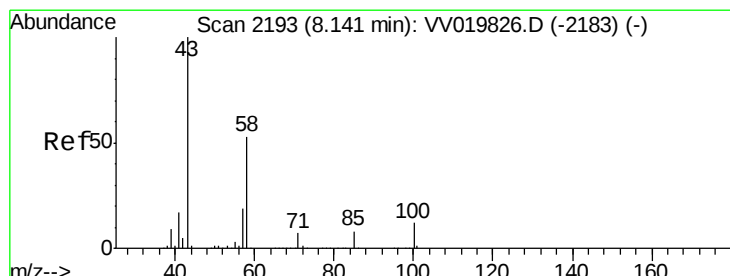
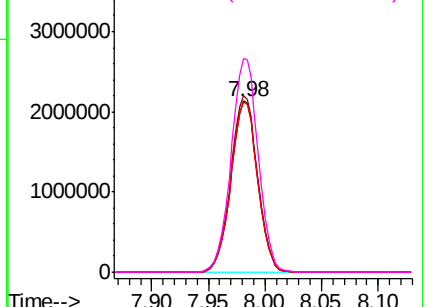
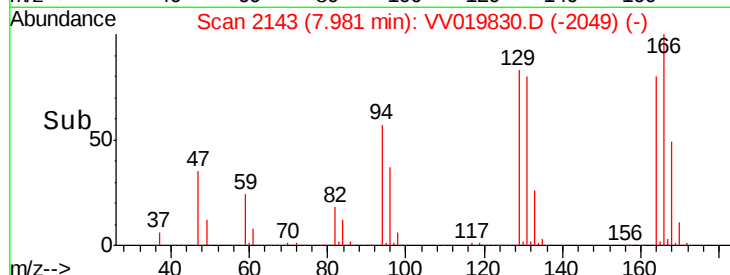
#46
Tetrachloroethene
Concen: 1037.771 ug/L
RT: 7.98 min Scan# 2143
Delta R.T. 0.00 min
Lab File: VV019830.D
Acq: 24 Dec 2020 12:09

Instrument :
MSVOA_V
ClientSampleId :
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Tot Ion:164 Resp: 3519290
Ion Ratio Lower Upper
164 100
129 103.2 70.6 131.0
131 99.9 68.0 126.4
166 124.9 86.9 161.5

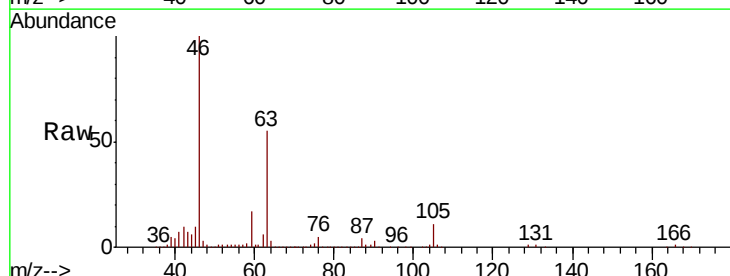


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V



#48
2-Hexanone
Concen: 4.980 ug/L
RT: 8.09 min Scan# 2178
Delta R.T. -0.05 min
Lab File: VV019830.D
Acq: 24 Dec 2020 12:09

Tgt Ion: 43 Resp: 26413
Ion Ratio Lower Upper
43 100
58 30.6 44.4 66.6#
57 22.1 15.7 23.5
100 0.4 9.9 14.9#



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

