

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101920\
 Data File : VV018995.D
 Acq On : 20 Oct 2020 03:31
 Operator : SY/MD
 Sample : L4430-09 40X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AC0DL

Quant Time: Oct 20 06:55:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 20 03:20:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	302332	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	273276	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	124784	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	86850	34.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.80%
7) Chloroethane-d5	1.58	69	83813	42.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.02%
11) 1,1-Dichloroethene-d2	2.12	63	141034	30.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.04%
21) 2-Butanone-d5	3.91	46	178052	102.64	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.64%
24) Chloroform-d	4.38	84	203375	45.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.96%
26) 1,2-Dichloroethane-d4	5.06	65	144213	48.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.18%
32) Benzene-d6	5.07	84	385382	48.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.62%
36) 1,2-Dichloropropane-d6	6.09	67	132354	51.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.78%
41) Toluene-d8	7.34	98	296753	41.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.92%
43) trans-1,3-Dichloropropene-	7.64	79	53550	42.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.90%
47) 2-Hexanone-d5	8.11	63	83559	88.18	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.18%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	127120	42.52	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.04%
64) 1,2-Dichlorobenzene-d4	11.65	152	125621	49.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.96%

Target Compounds

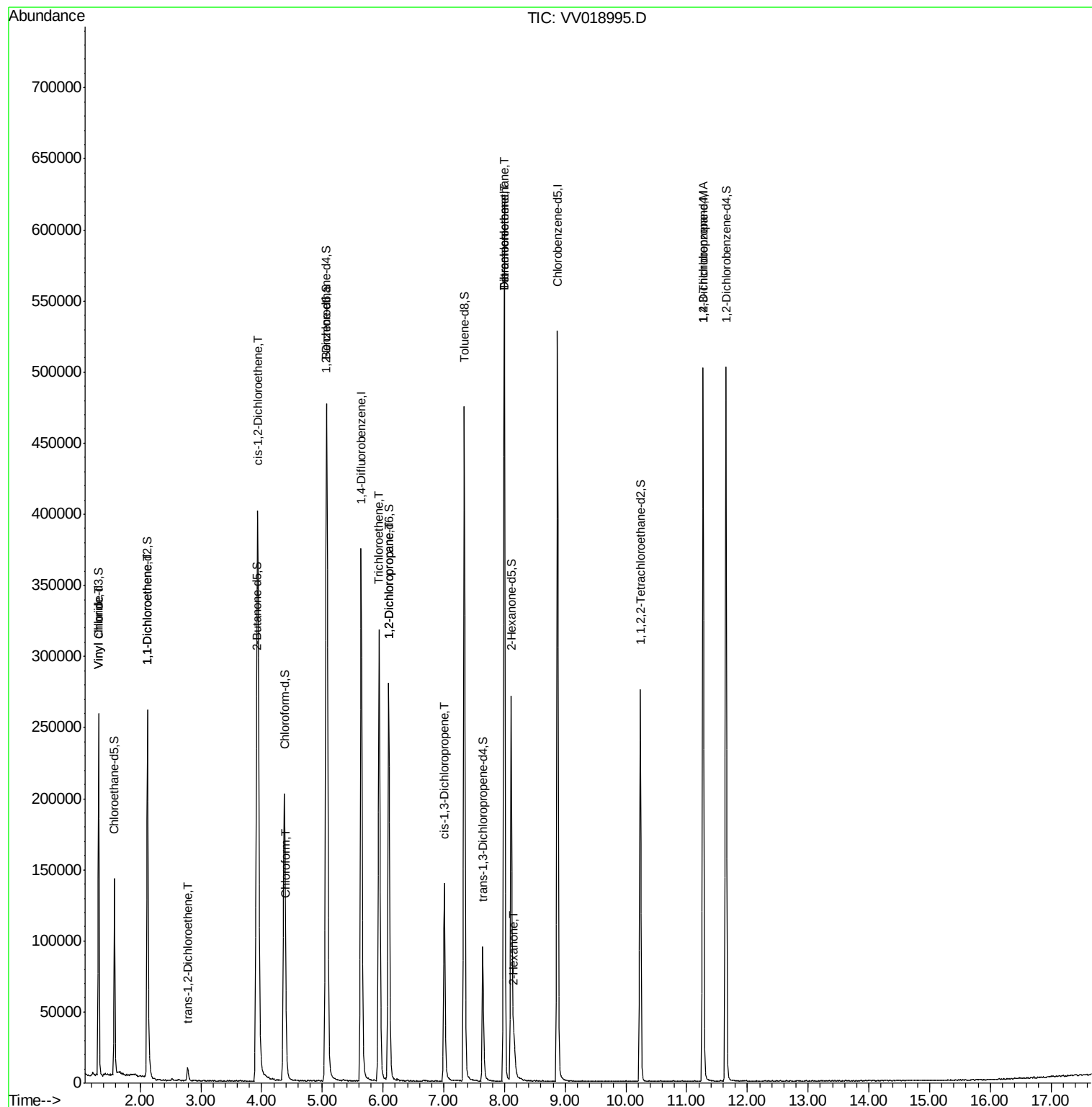
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	68657	24.060	ug/L	99
12) 1,1-Dichloroethene	2.13	96	2373	1.194	ug/L #	1
17) trans-1,2-Dichloroethene	2.78	96	3448	1.563	ug/L	84
20) cis-1,2-Dichloroethene	3.94	96	192004	82.108	ug/L	100
25) Chloroform	4.41	83	5727	1.327	ug/L	81
34) Trichloroethene	5.94	95	102174	42.295	ug/L	99
37) 1,2-Dichloropropane	6.09	63	15270	6.809	ug/L #	88
39) cis-1,3-Dichloropropene	7.01	75	3351	0.994	ug/L #	59
46) Tetrachloroethene	8.00	164	132695	77.941	ug/L	98
48) 2-Hexanone	8.16	43	15918	6.492	ug/L #	86
49) Dibromochloromethane	8.00	129	121728	55.120	ug/L #	10
59) 1,2,3-Trichloropropane	11.27	75	14389	5.301	ug/L #	81

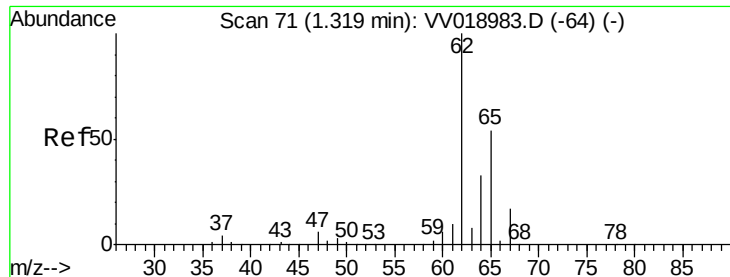
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 24.060 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018995.D

Acq: 20 Oct 2020 03:31

Instrument :

MSVOA_V

ClientSampleId :

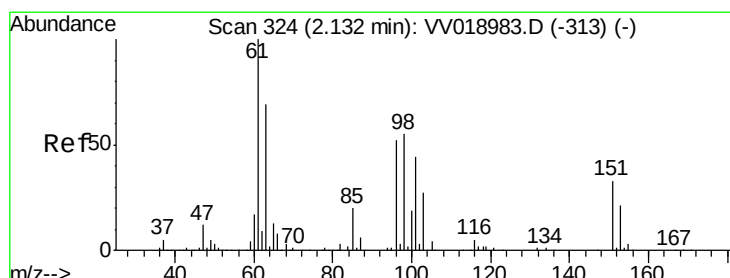
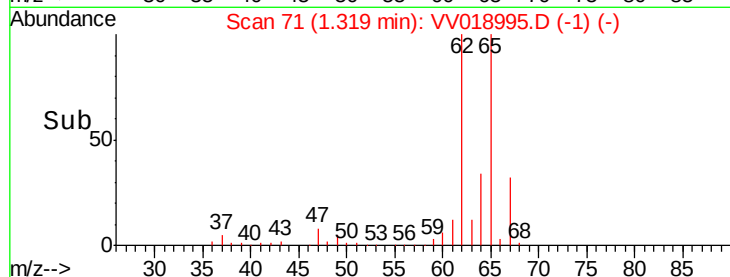
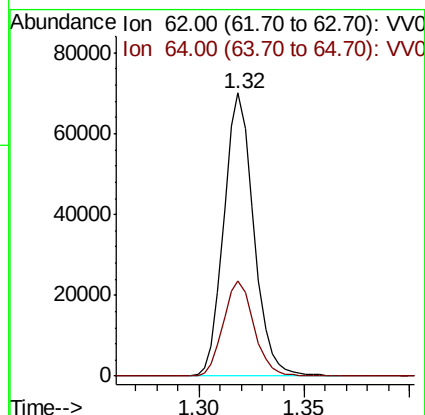
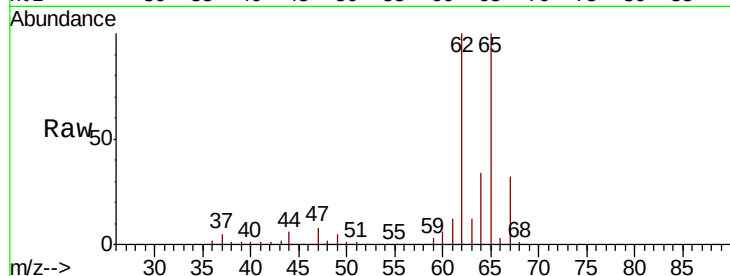
C0AC0DL

Tot Ion: 62 Resp: 68657

Ion Ratio Lower Upper

62 100

64 33.8 23.2 43.2



#12

1,1-Dichloroethene

Concen: 1.194 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018995.D

Acq: 20 Oct 2020 03:31

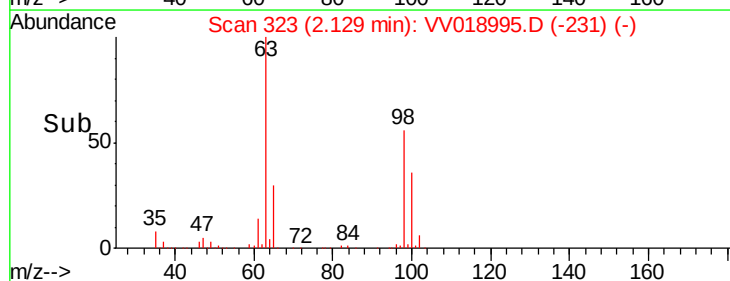
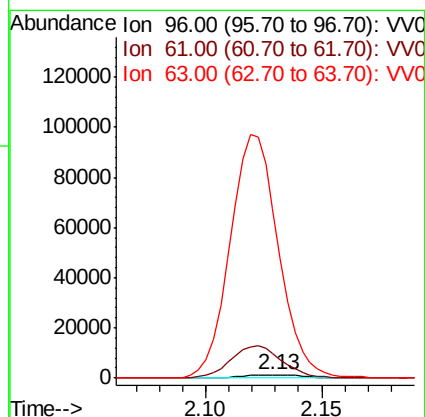
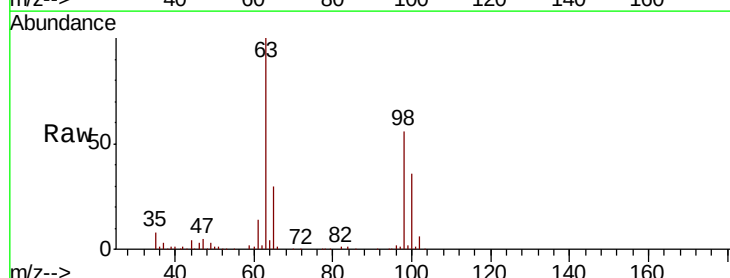
Tgt Ion: 96 Resp: 2373

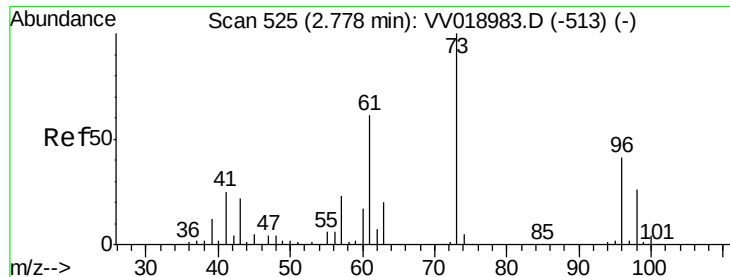
Ion Ratio Lower Upper

96 100

61 726.9 133.5 247.9#

63 5019.8 102.1 189.7#

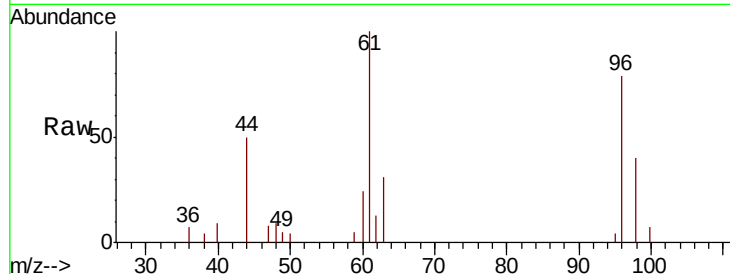




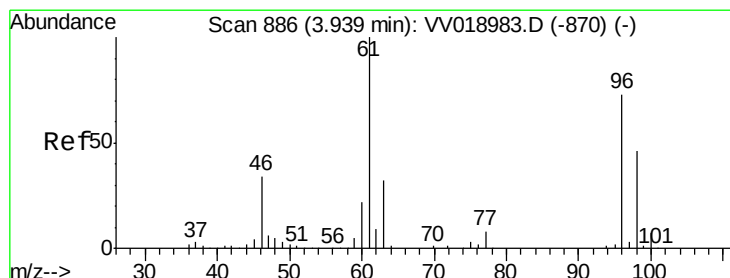
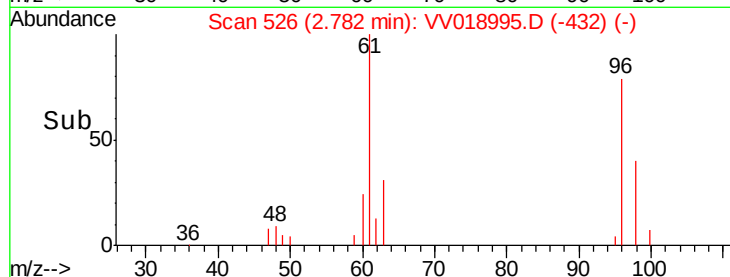
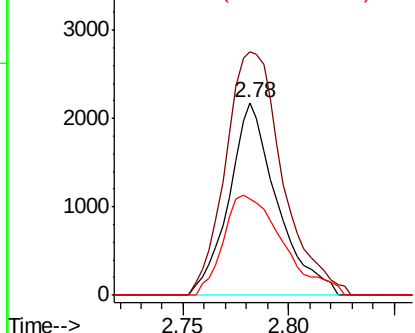
#17
trans-1,2-Dichloroethene
Concen: 1.563 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV018995.D
Acq: 20 Oct 2020 03:31

Instrument :
MSVOA_V
ClientSampleId :
C0AC0DL

Tot Ion: 96 Resp: 3448
Ion Ratio Lower Upper
96 100
61 126.3 102.8 190.8
98 50.3 44.0 81.6

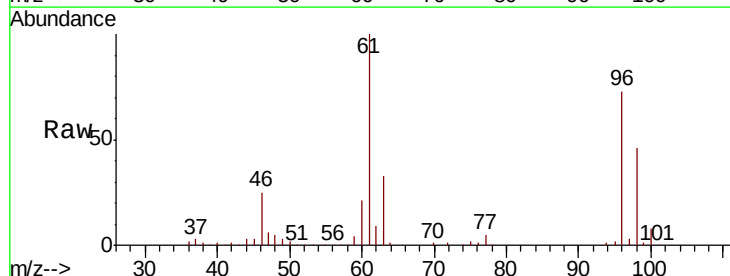


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

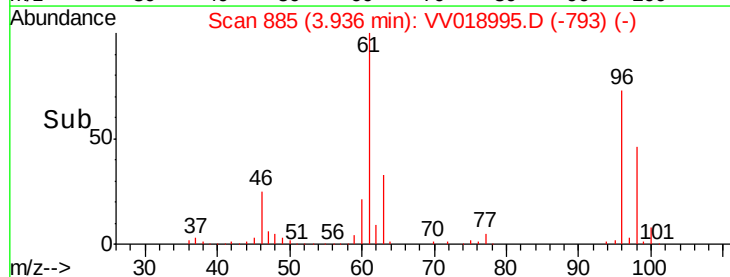
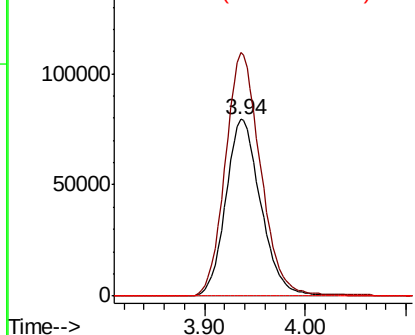


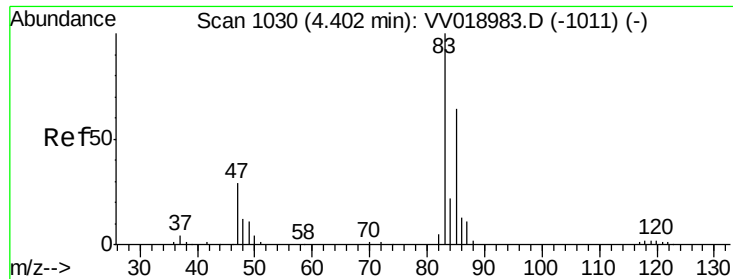
#20
cis-1,2-Dichloroethene
Concen: 82.108 ug/L
RT: 3.94 min Scan# 885
Delta R.T. -0.00 min
Lab File: VV018995.D
Acq: 20 Oct 2020 03:31

Tgt Ion: 96 Resp: 192004
Ion Ratio Lower Upper
96 100
61 137.9 96.1 178.5
68 0.0 0.0 0.0



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

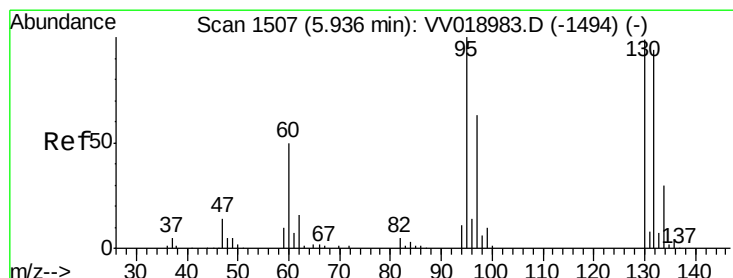
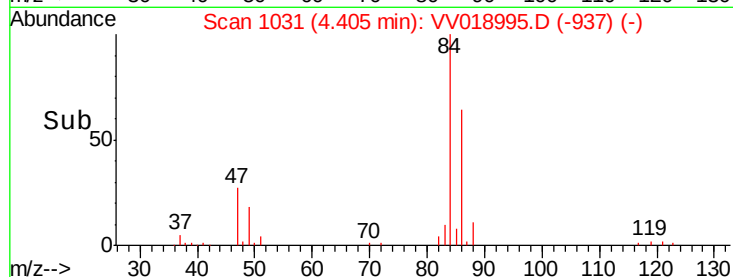
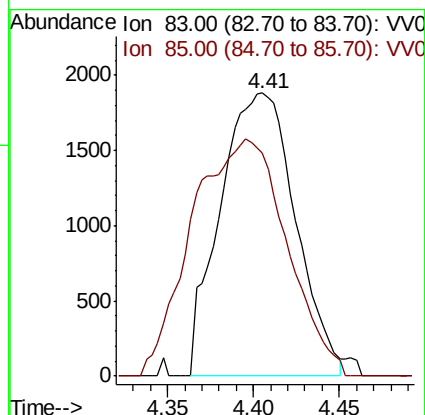
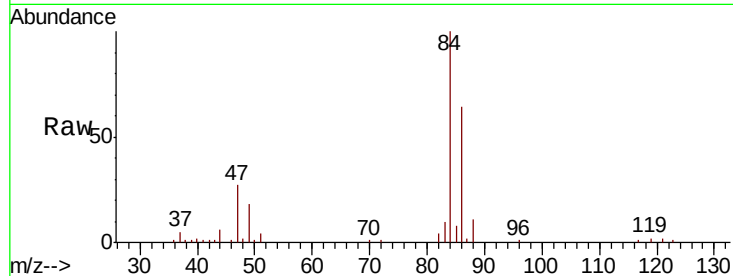




#25
Chloroform
Concen: 1.327 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV018995.D
Acq: 20 Oct 2020 03:31

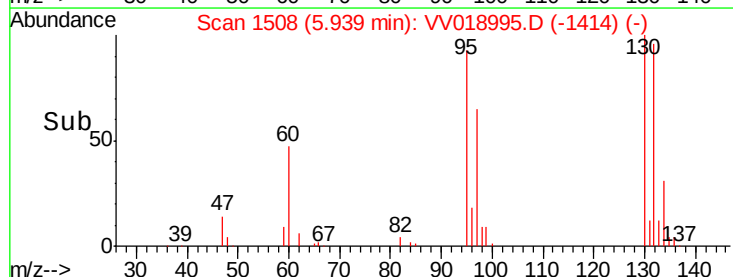
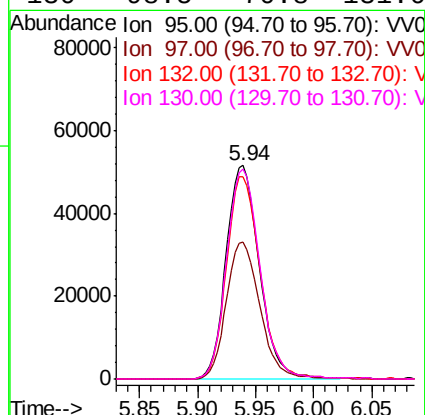
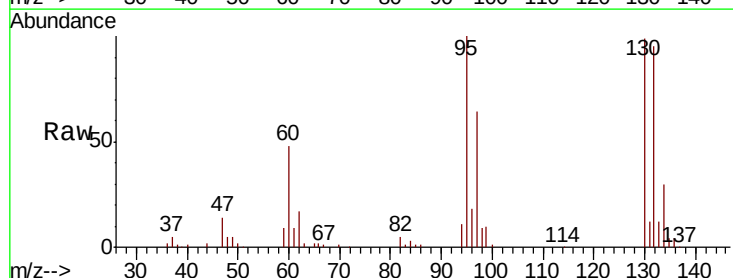
Instrument :
MSVOA_V
ClientSampleId :
C0AC0DL

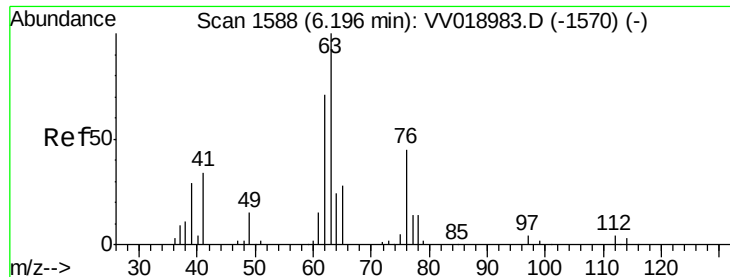
Tot Ion: 83 Resp: 5727
Ion Ratio Lower Upper
83 100
85 78.8 44.6 82.8



#34
Trichloroethene
Concen: 42.295 ug/L
RT: 5.94 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VV018995.D
Acq: 20 Oct 2020 03:31

Tgt Ion: 95 Resp: 102174
Ion Ratio Lower Upper
95 100
97 64.1 44.7 82.9
132 94.8 67.0 124.4
130 98.5 70.8 131.6

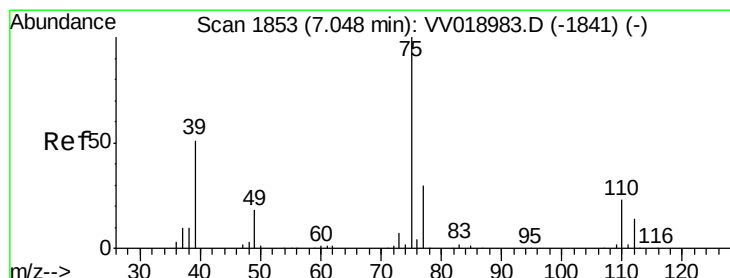
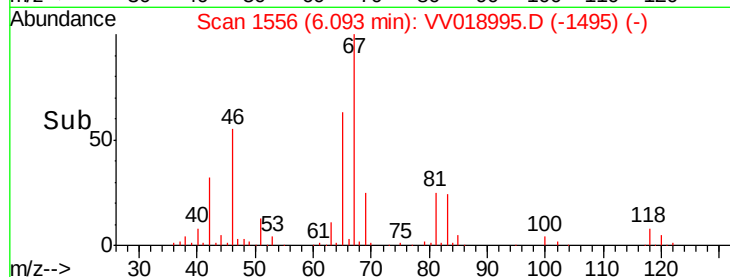
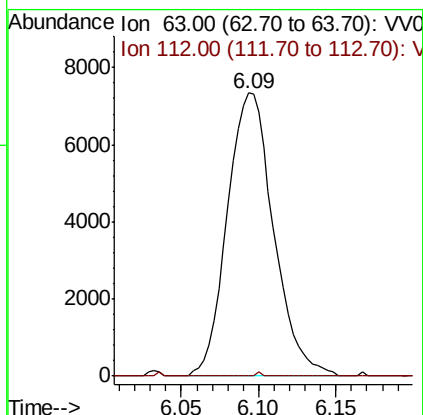
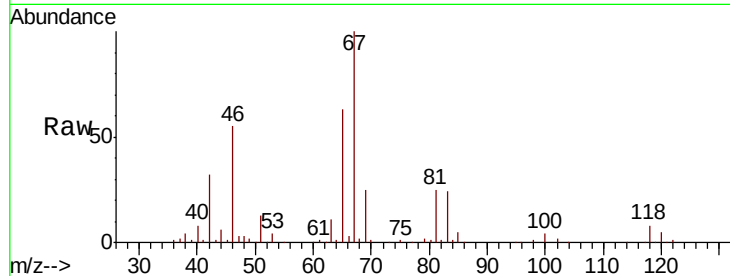




#37
 1,2-Dichloropropane
 Concen: 6.809 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.10 min
 Lab File: VV018995.D
 Acq: 20 Oct 2020 03:31

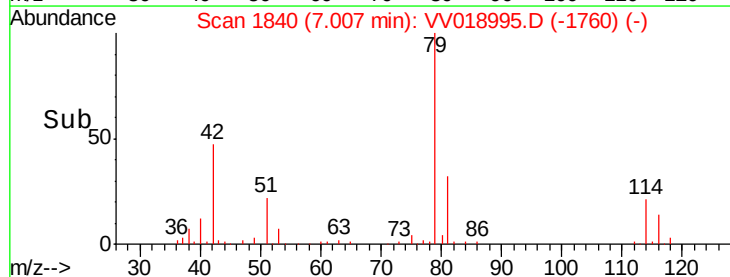
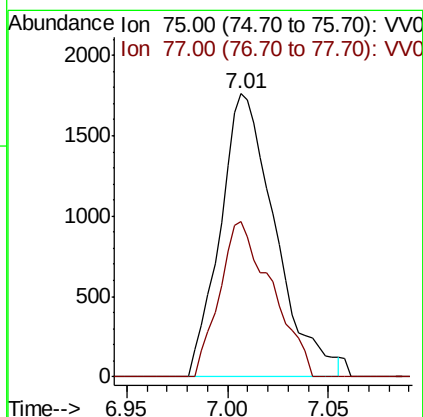
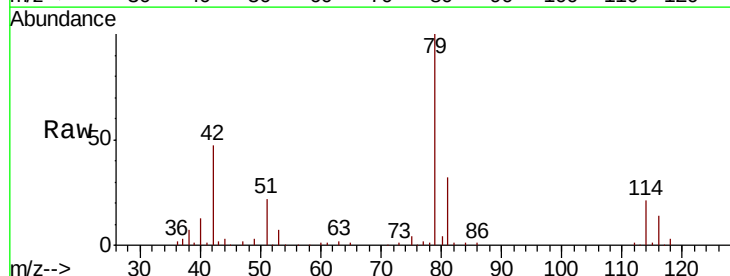
Instrument :
 MSVOA_V
 ClientSampleId :
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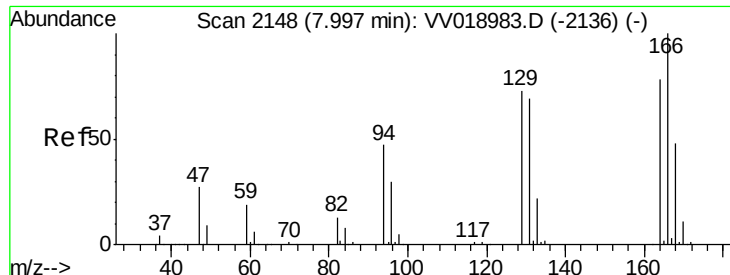
Tot Ion: 63 Resp: 15270
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.3 4.9#



#39
 cis-1,3-Dichloropropene
 Concen: 0.994 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV018995.D
 Acq: 20 Oct 2020 03:31

Tgt Ion: 75 Resp: 3351
 Ion Ratio Lower Upper
 75 100
 77 55.0 22.5 41.9#





#46

Tetrachloroethene

Concen: 77.941 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV018995.D

Acq: 20 Oct 2020 03:31

Instrument :

MSVOA_V

ClientSampleId :

C0AC0DL

Tot Ion:164 Resp: 132695

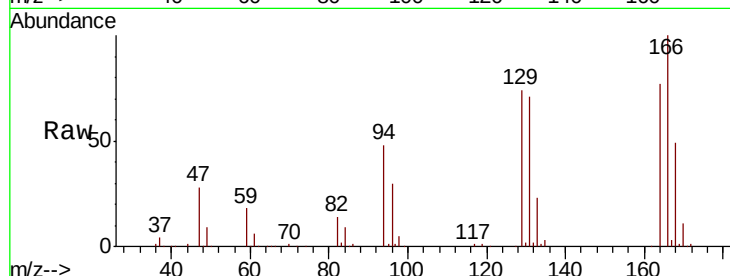
Ion Ratio Lower Upper

164 100

129 95.8 65.0 120.8

131 91.8 62.9 116.7

166 129.6 91.1 169.3

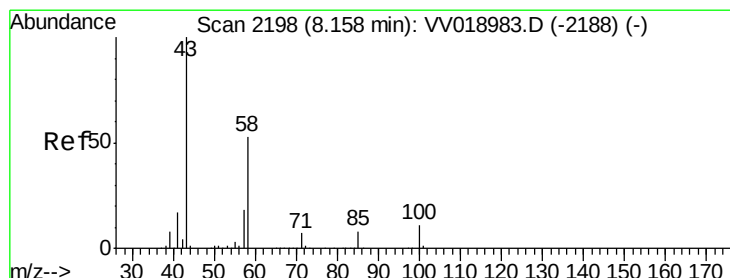
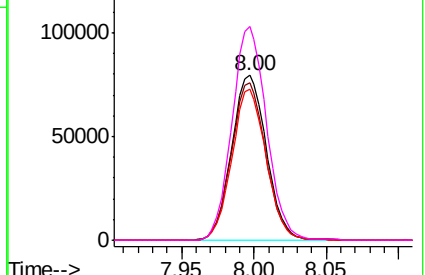
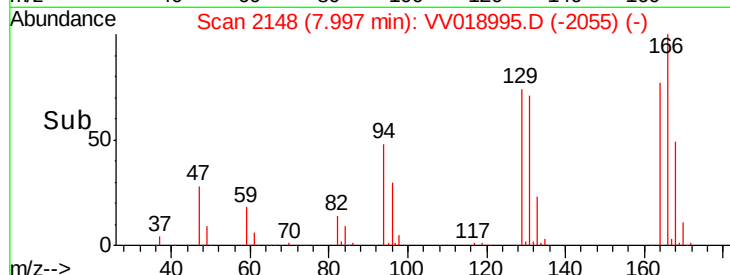


Abundance Ion 164.00 (163.70 to 164.70): V

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: 6.492 ug/L

RT: 8.16 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VV018995.D

Acq: 20 Oct 2020 03:31

Tgt Ion: 43 Resp: 15918

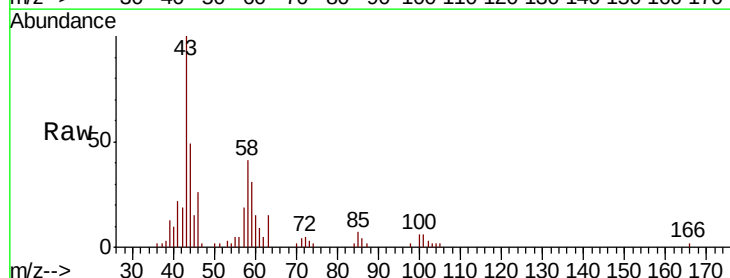
Ion Ratio Lower Upper

43 100

58 40.0 42.5 63.7#

57 16.2 14.5 21.7

100 7.4 9.0 13.4#

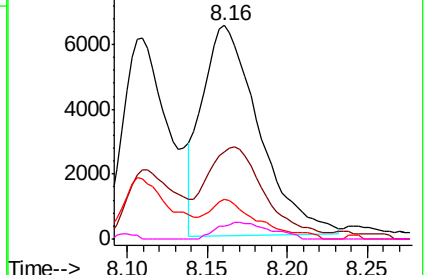
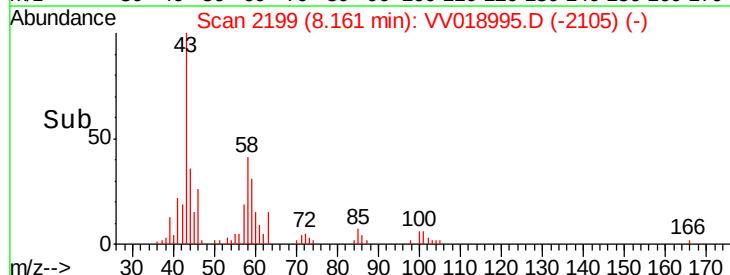


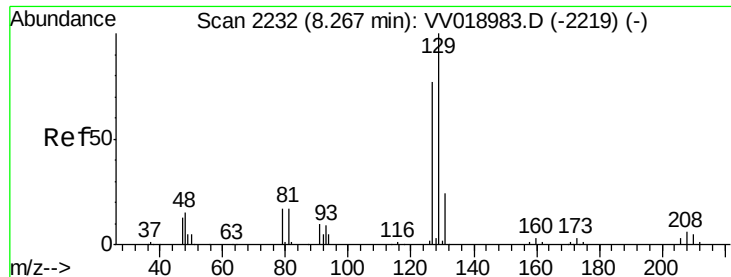
Abundance Ion 43.00 (42.70 to 43.70): VV0

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





#49

Dibromochloromethane

Concen: 55.120 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV018995.D

Acq: 20 Oct 2020 03:31

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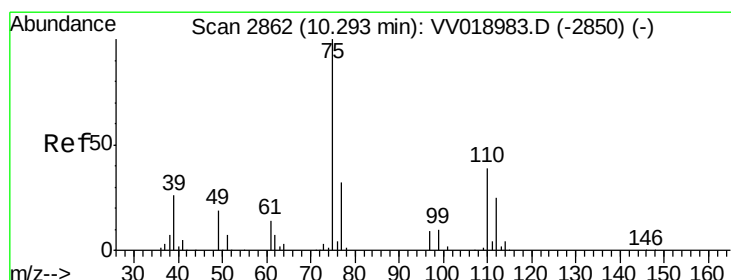
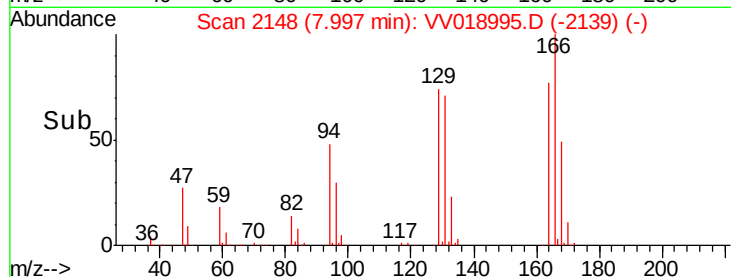
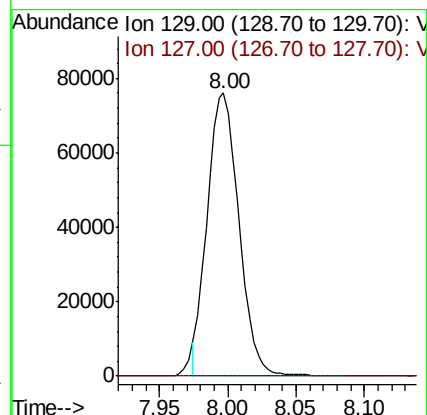
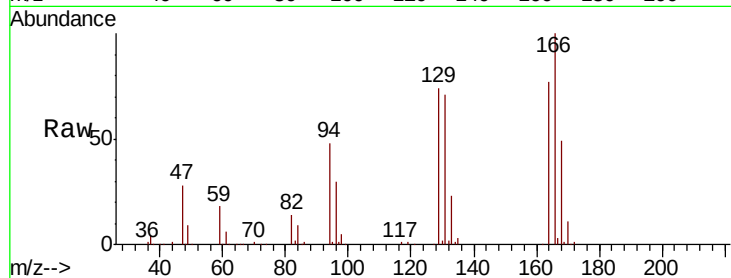
C0AC0DL

Tot Ion:129 Resp: 121728

Ion Ratio Lower Upper

129 100

127 0.2 55.2 102.6#



#59

1,2,3-Trichloropropane

Concen: 5.301 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018995.D

Acq: 20 Oct 2020 03:31

Tgt Ion: 75 Resp: 14389

Ion Ratio Lower Upper

75 100

77 42.1 25.4 38.2#

