

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101920\
 Data File : VV018990.D
 Acq On : 20 Oct 2020 01:32
 Operator : SY/MD
 Sample : L4430-04 40X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AB2

Quant Time: Oct 20 03:25:49 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	281421	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	279874	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	127255	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	93365	40.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.60%
7) Chloroethane-d5	1.58	69	85316	46.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.96%
11) 1,1-Dichloroethene-d2	2.12	63	150605	34.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.88%
21) 2-Butanone-d5	3.90	46	168642	104.44	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.44%
24) Chloroform-d	4.37	84	203157	48.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.62%
26) 1,2-Dichloroethane-d4	5.06	65	144159	52.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.36%
32) Benzene-d6	5.07	84	395924	48.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.92%
36) 1,2-Dichloropropane-d6	6.09	67	120854	46.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.52%
41) Toluene-d8	7.34	98	313244	42.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.48%
43) trans-1,3-Dichloropropene-	7.64	79	55269	43.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.56%
47) 2-Hexanone-d5	8.11	63	81088	83.56	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.56%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	128682	42.03	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.06%
64) 1,2-Dichlorobenzene-d4	11.65	152	130394	50.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.72%

Target Compounds

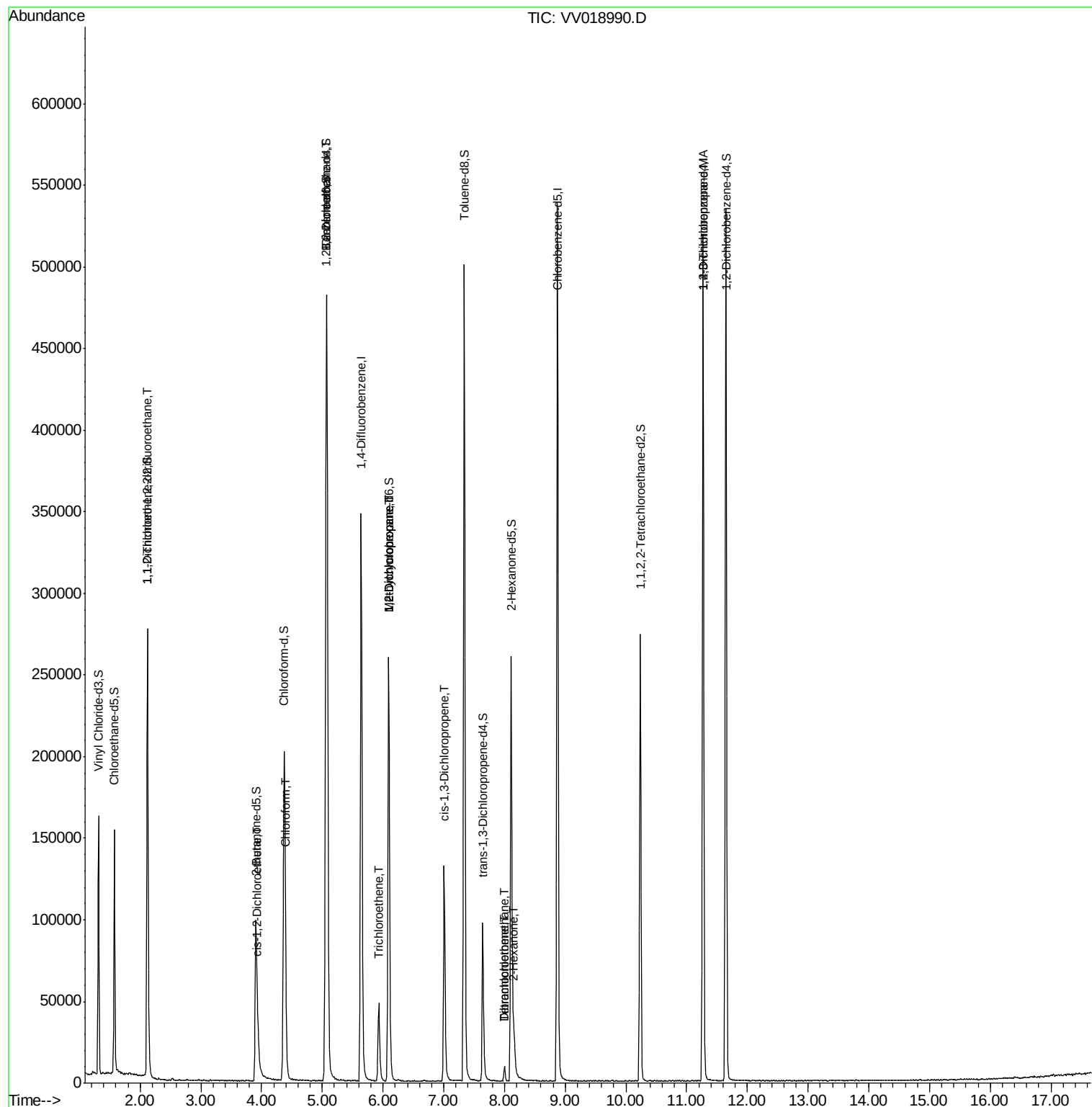
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1417	0.776	ug/L #	20
20) cis-1,2-Dichloroethene	3.94	96	2428	1.115	ug/L	77
25) Chloroform	4.40	83	5534	1.377	ug/L	94
27) 1,2-Dichloroethane	5.07	62	2416	0.736	ug/L	97
34) Trichloroethene	5.94	95	2483	1.004	ug/L #	85
35) Methylcyclohexane	6.09	83	28751	9.595	ug/L #	16
37) 1,2-Dichloropropane	6.09	63	14400	6.270	ug/L #	88
39) cis-1,3-Dichloropropene	7.01	75	3667	1.063	ug/L #	77
46) Tetrachloroethene	8.00	164	2060	1.181	ug/L	95
48) 2-Hexanone	8.16	43	15197	6.052	ug/L #	78
49) Dibromochloromethane	8.00	129	1974	0.873	ug/L #	10
59) 1,2,3-Trichloropropane	11.27	75	15726	5.657	ug/L	92

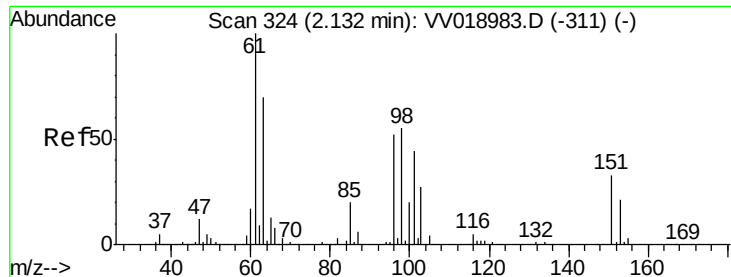
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.776 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV018990.D

Acq: 20 Oct 2020 01:32

Instrument :

MSVOA_V

ClientSampleId :

C0AB2

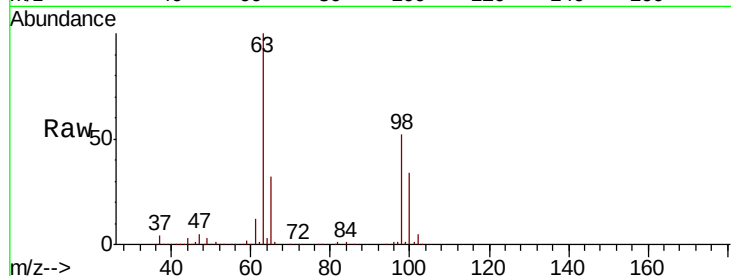
Tot Ion:101 Resp: 1417

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

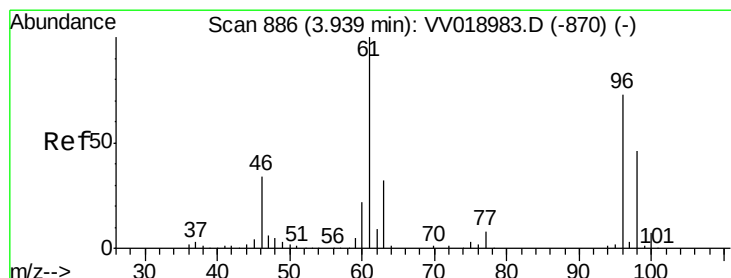
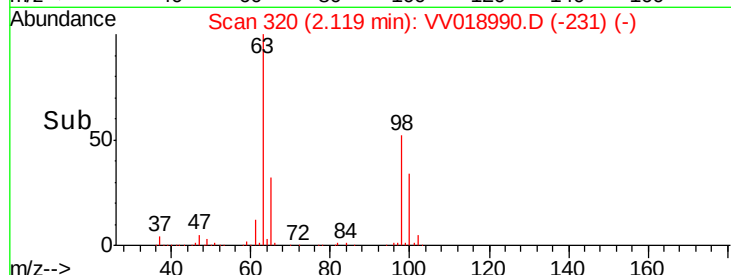
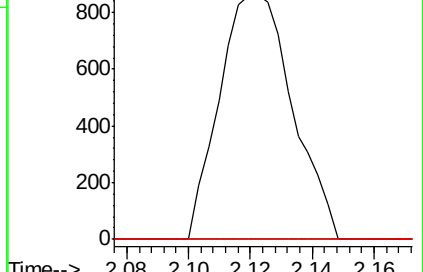
151 0.0 59.7 89.5#



Abundance Ion 101.00 (100.70 to 101.70): VV018990.D (-793) (-)

Ion 85.00 (84.70 to 85.70): VV018990.D (-793) (-)

Ion 151.00 (150.70 to 151.70): VV018990.D (-793) (-)



#20

cis-1,2-Dichloroethene

Concen: 1.115 ug/L

RT: 3.94 min Scan# 887

Delta R.T. 0.00 min

Lab File: VV018990.D

Acq: 20 Oct 2020 01:32

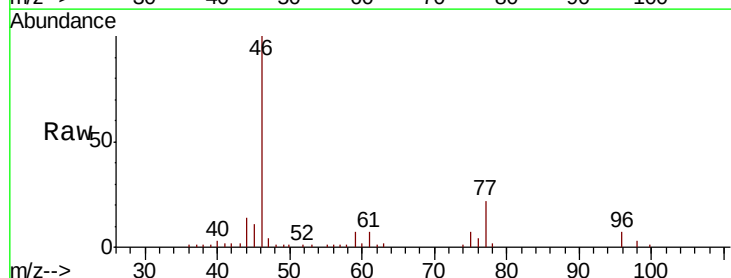
Tgt Ion: 96 Resp: 2428

Ion Ratio Lower Upper

96 100

61 110.0 96.1 178.5

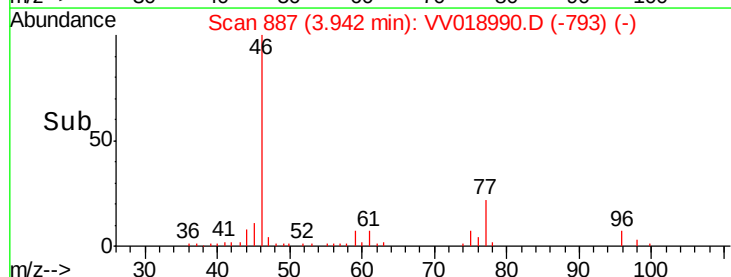
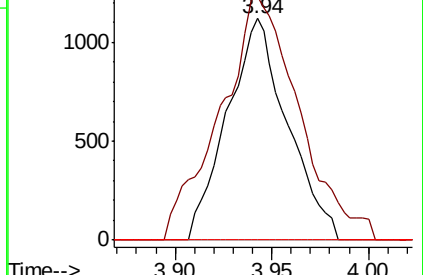
68 0.0 0.0 0.0

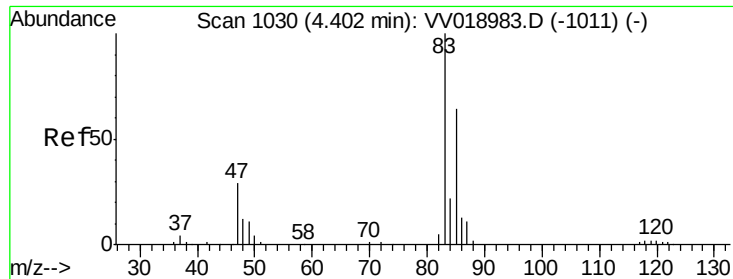


Abundance Ion 96.00 (95.70 to 96.70): VV018990.D (-793) (-)

Ion 61.00 (60.70 to 61.70): VV018990.D (-793) (-)

Ion 68.00 (67.70 to 68.70): VV018990.D (-793) (-)

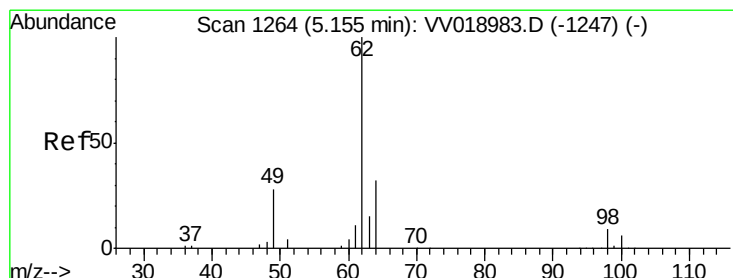
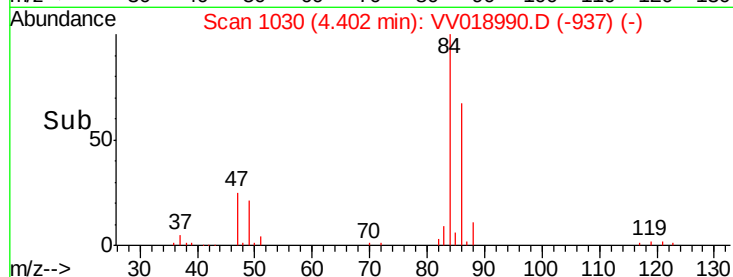
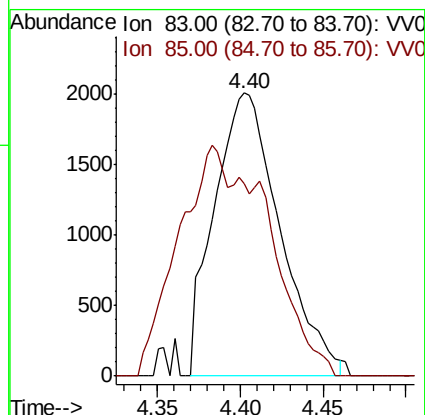
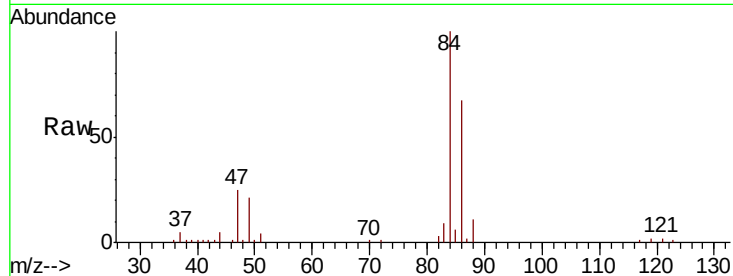




#25
Chloroform
Concen: 1.377 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV018990.D
Acq: 20 Oct 2020 01:32

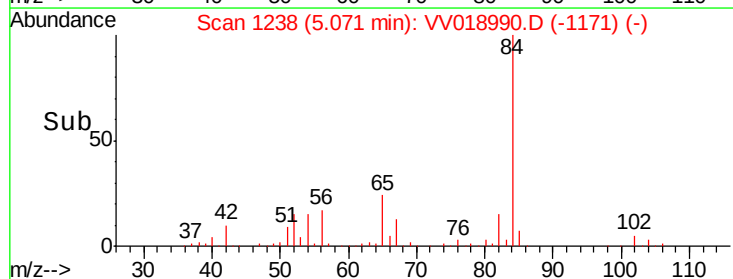
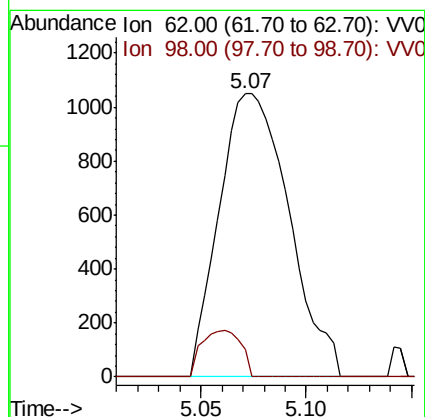
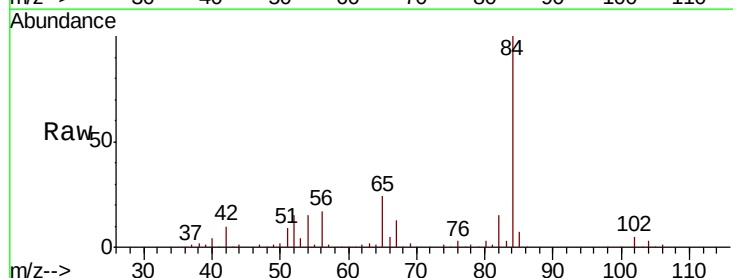
Instrument :
MSVOA_V
ClientSampleId :
C0AB2

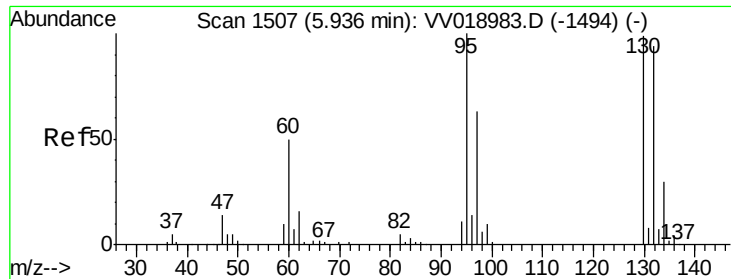
Tot Ion: 83 Resp: 5534
Ion Ratio Lower Upper
83 100
85 68.2 44.6 82.8



#27
1,2-Dichloroethane
Concen: 0.736 ug/L
RT: 5.07 min Scan# 1238
Delta R.T. -0.08 min
Lab File: VV018990.D
Acq: 20 Oct 2020 01:32

Tgt Ion: 62 Resp: 2416
Ion Ratio Lower Upper
62 100
98 9.8 7.0 10.6





#34

Trichloroethene

Concen: 1.004 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV018990.D

Acq: 20 Oct 2020 01:32

Instrument :

MSVOA_V

ClientSampleId :

C0AB2

Tot Ion: 95 Resp: 2483

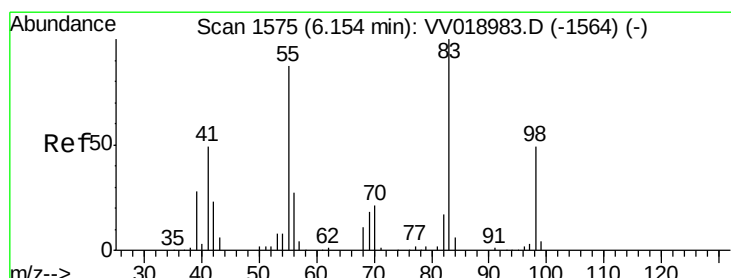
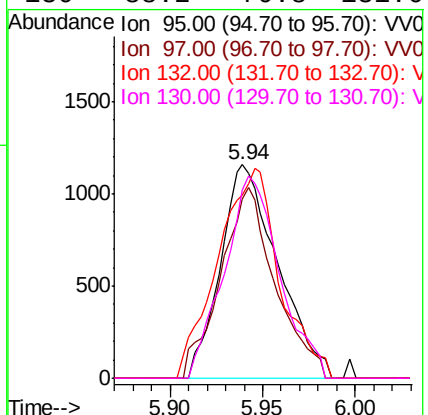
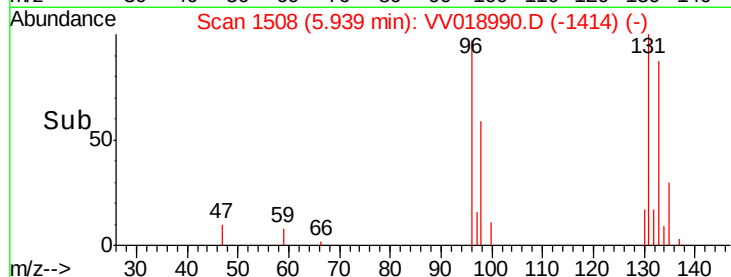
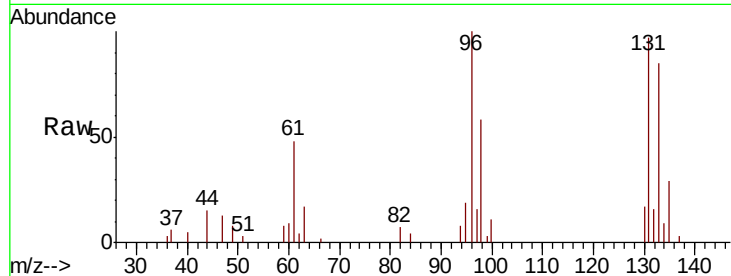
Ion Ratio Lower Upper

95 100

97 83.6 44.7 82.9#

132 85.9 67.0 124.4

130 88.2 70.8 131.6



#35

Methylcyclohexane

Concen: 9.595 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV018990.D

Acq: 20 Oct 2020 01:32

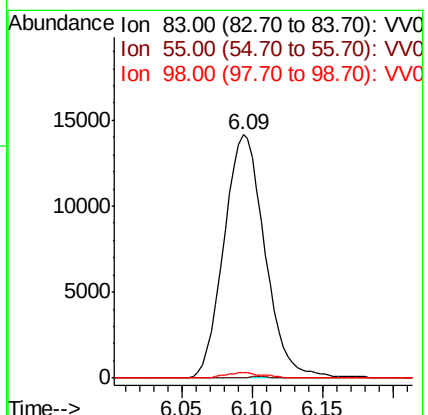
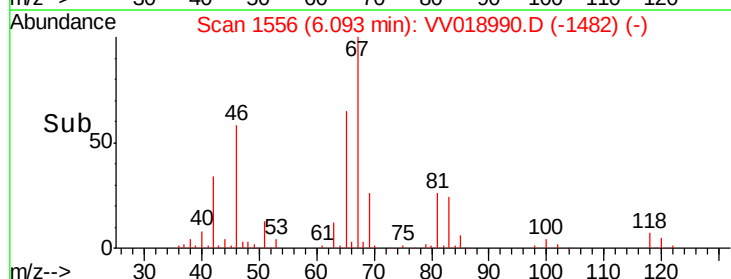
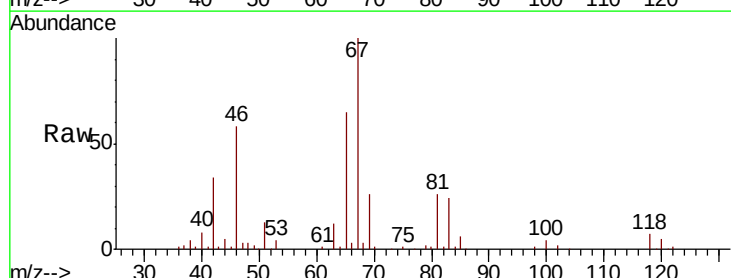
Tgt Ion: 83 Resp: 28751

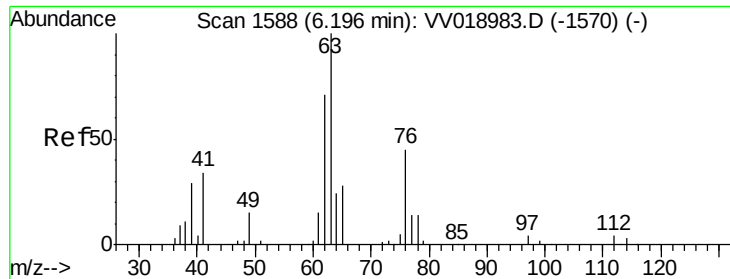
Ion Ratio Lower Upper

83 100

55 0.3 67.3 100.9#

98 1.6 37.9 56.9#

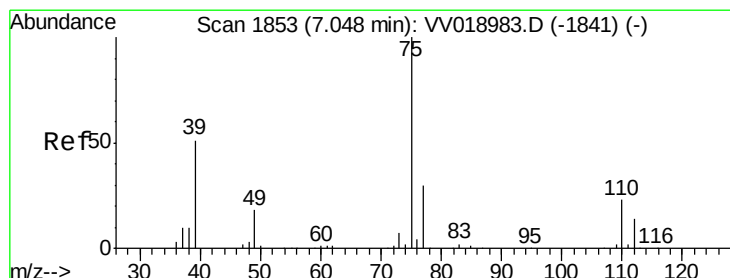
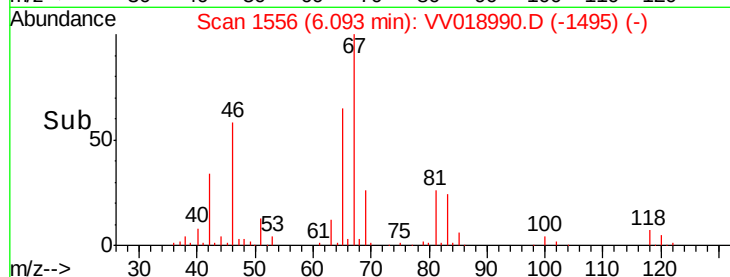
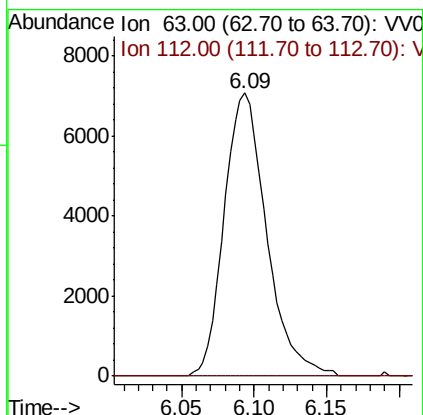
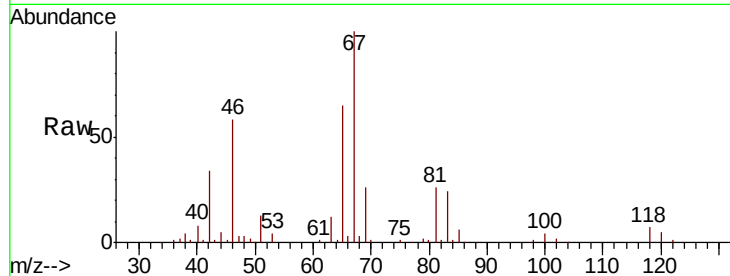




#37
 1,2-Dichloropropane
 Concen: 6.270 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.10 min
 Lab File: VV018990.D
 Acq: 20 Oct 2020 01:32

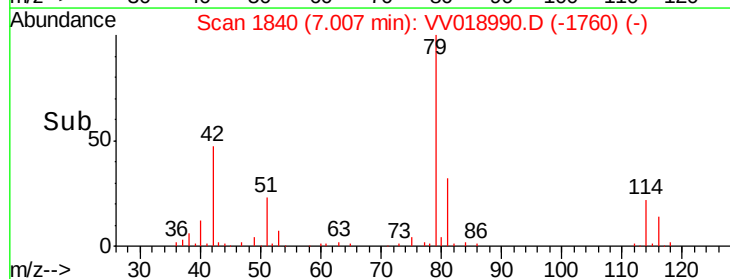
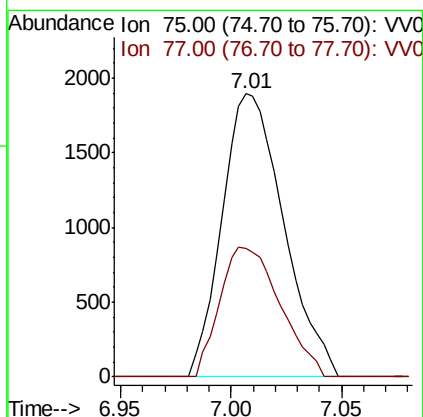
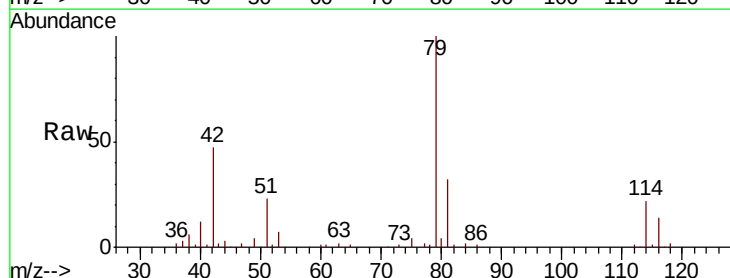
Instrument :
 MSVOA_V
 ClientSampleId :
 C0AB2

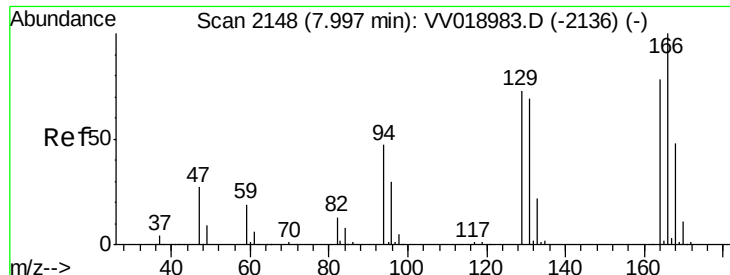
Tot Ion: 63 Resp: 14400
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.3 4.9#



#39
 cis-1,3-Dichloropropene
 Concen: 1.063 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV018990.D
 Acq: 20 Oct 2020 01:32

Tgt Ion: 75 Resp: 3667
 Ion Ratio Lower Upper
 75 100
 77 45.2 22.5 41.9#





#46

Tetrachloroethene

Concen: 1.181 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV018990.D

Acq: 20 Oct 2020 01:32

Instrument :

MSVOA_V

ClientSampleId :

C0AB2

Tot Ion:164 Resp: 2060

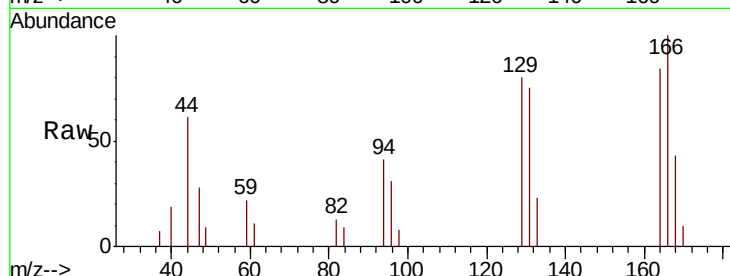
Ion Ratio Lower Upper

164 100

129 94.8 65.0 120.8

131 89.1 62.9 116.7

166 118.6 91.1 169.3

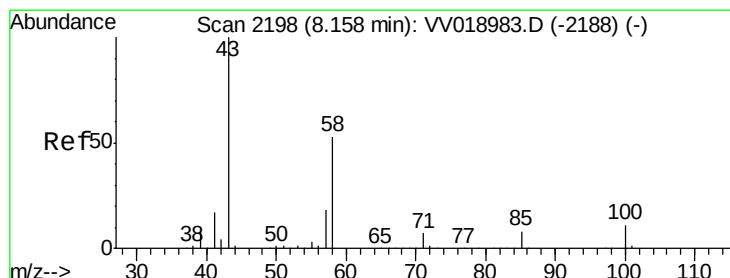
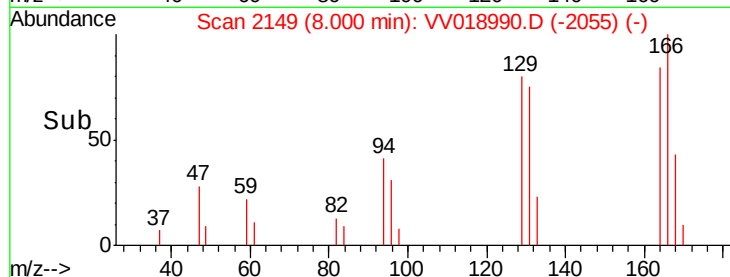
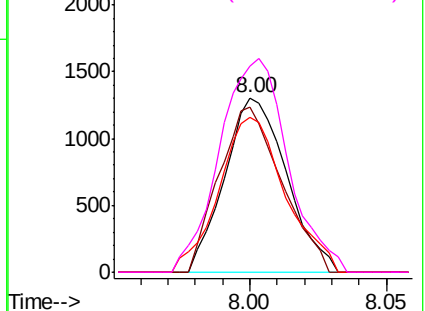


Abundance Ion 164.00 (163.70 to 164.70): V

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: 6.052 ug/L

RT: 8.16 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VV018990.D

Acq: 20 Oct 2020 01:32

Tgt Ion: 43 Resp: 15197

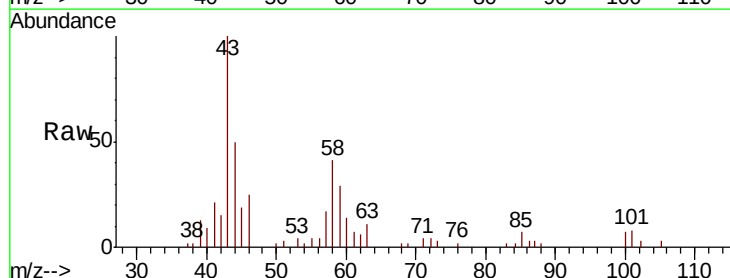
Ion Ratio Lower Upper

43 100

58 37.7 42.5 63.7#

57 3.9 14.5 21.7#

100 7.7 9.0 13.4#

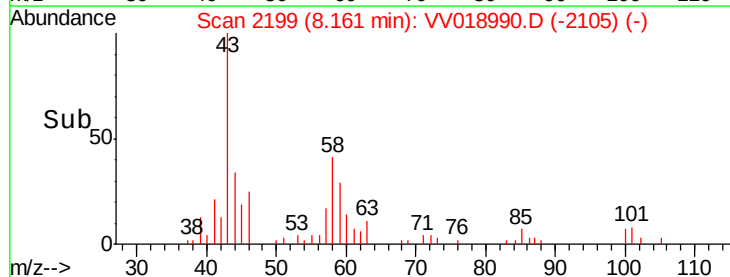
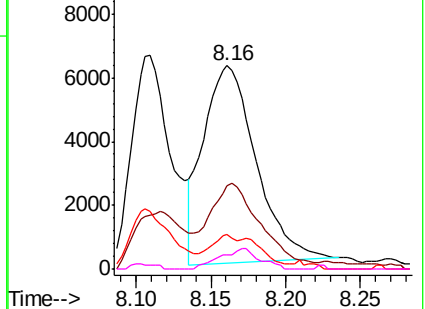


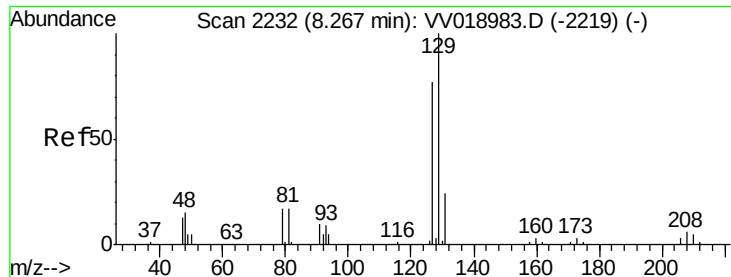
Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 0.873 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. -0.27 min

Lab File: VV018990.D

Acq: 20 Oct 2020 01:32

Instrument :

MSVOA_V

ClientSampleId :

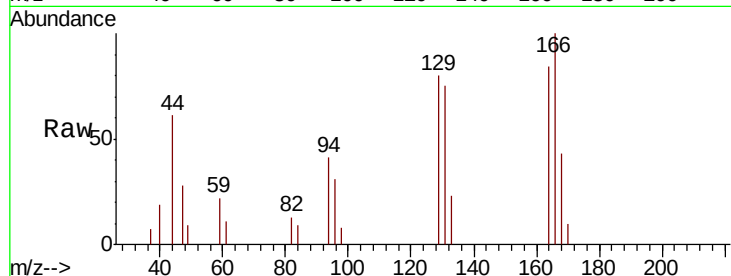
C0AB2

Tot Ion:129 Resp: 1974

Ion Ratio Lower Upper

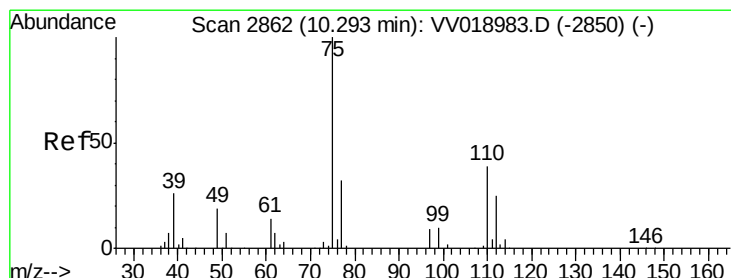
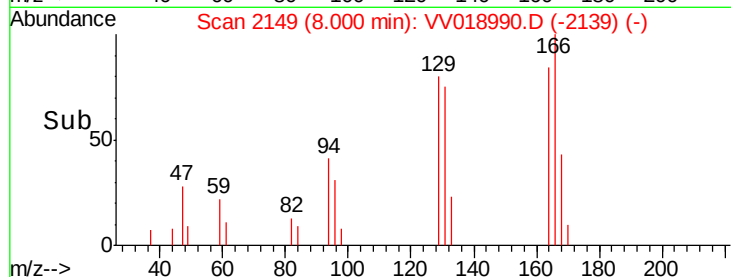
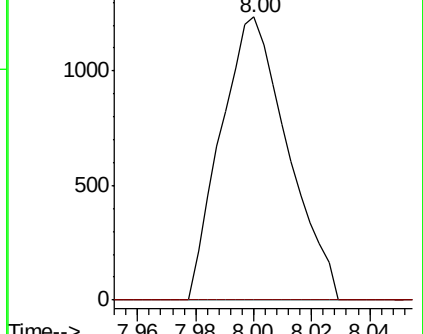
129 100

127 0.0 55.2 102.6#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#59

1,2,3-Trichloropropane

Concen: 5.657 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018990.D

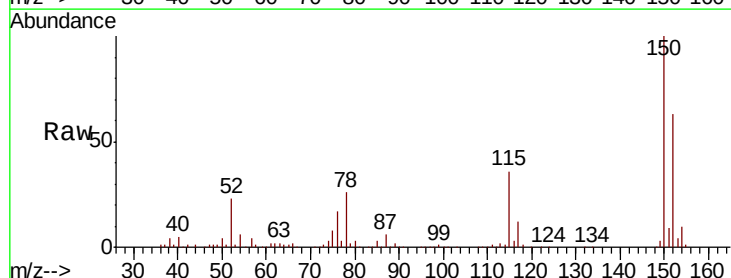
Acq: 20 Oct 2020 01:32

Tgt Ion: 75 Resp: 15726

Ion Ratio Lower Upper

75 100

77 36.3 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

