

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102020\
 Data File : VV019017.D
 Acq On : 20 Oct 2020 16:22
 Operator : SY/MD
 Sample : L4430-01DL 5X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 21 06:11:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 21 06:02:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	304727	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	303627	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	147110	50.00	ug/L	0.00

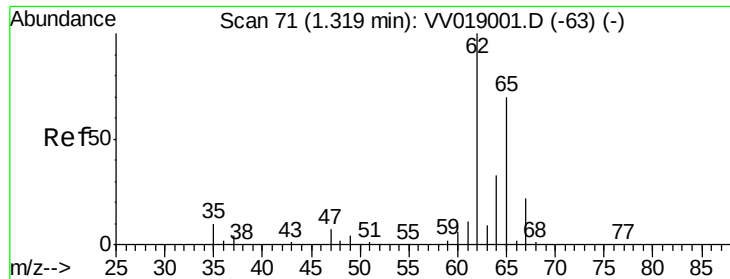
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	77570	30.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	61.84%
7) Chloroethane-d5	1.58	69	77242	38.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.74%
11) 1,1-Dichloroethene-d2	2.12	63	134647	28.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.86%#
21) 2-Butanone-d5	3.91	46	170810	97.69	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.69%
24) Chloroform-d	4.37	84	185430	41.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.28%
26) 1,2-Dichloroethane-d4	5.05	65	126320	42.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.46%
32) Benzene-d6	5.07	84	331012	37.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	74.68%
36) 1,2-Dichloropropane-d6	6.09	67	112112	39.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	79.12%
41) Toluene-d8	7.34	98	287275	36.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	72.26%#
43) trans-1,3-Dichloropropene-	7.64	79	51774	37.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.74%
47) 2-Hexanone-d5	8.11	63	82893	78.74	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	78.74%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	131134	39.48	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	78.96%
64) 1,2-Dichlorobenzene-d4	11.65	152	132325	44.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.42%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	38121	13.254	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1317	0.666	ug/L #	20
17) trans-1,2-Dichloroethene	2.78	96	2996	1.347	ug/L	92
20) cis-1,2-Dichloroethene	3.94	96	142739	60.561	ug/L	97
25) Chloroform	4.41	83	4622	1.062	ug/L	92
34) Trichloroethene	5.94	95	7077	2.637	ug/L	93
35) Methylcyclohexane	6.09	83	27556	8.477	ug/L #	16
37) 1,2-Dichloropropane	6.09	63	13248	5.317	ug/L #	88
39) cis-1,3-Dichloropropene	7.01	75	3360	0.897	ug/L #	74
46) Tetrachloroethene	8.00	164	8428	4.456	ug/L	95
48) 2-Hexanone	8.17	43	15600	5.726	ug/L #	75
49) Dibromochloromethane	8.00	129	7532	3.070	ug/L #	10
59) 1,2,3-Trichloropropane	11.27	75	17390	5.766	ug/L	91

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



#5

Vinyl chloride

Concen: 13.254 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV019017.D

Acq: 20 Oct 2020 16:22

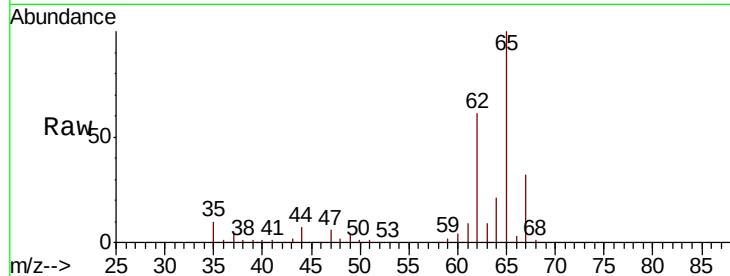
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 38121

Ion Ratio Lower Upper

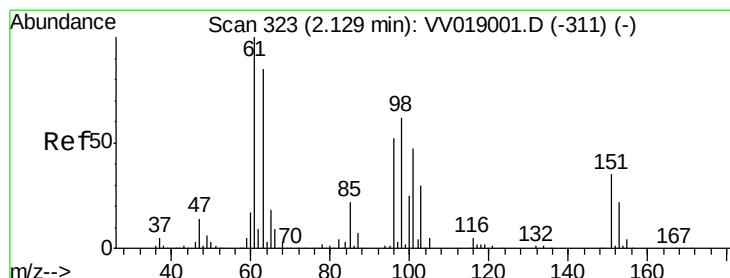
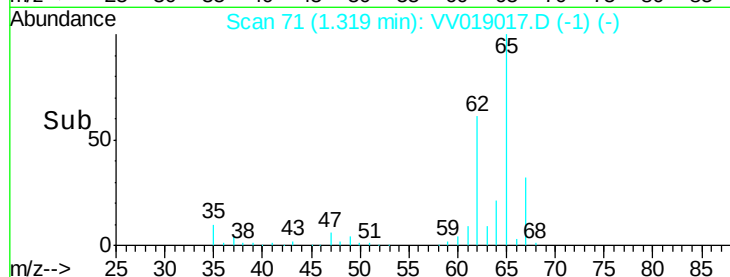
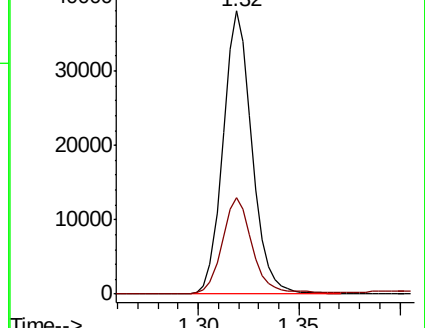
62 100

64 34.1 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VV019017.D (-63) (-)

Ion 64.00 (63.70 to 64.70): VV019017.D (-63) (-)



#10

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

Concen: 0.666 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV019017.D

Acq: 20 Oct 2020 16:22

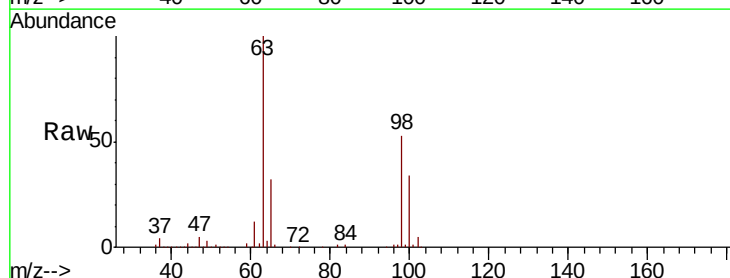
Tgt Ion: 101 Resp: 1317

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

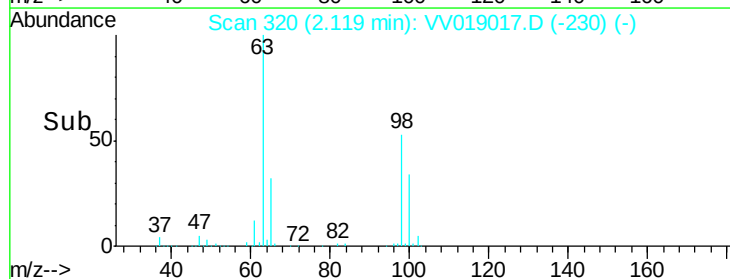
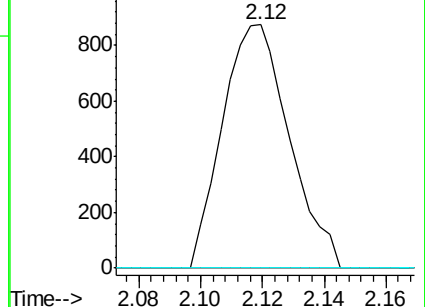
151 0.0 59.7 89.5#

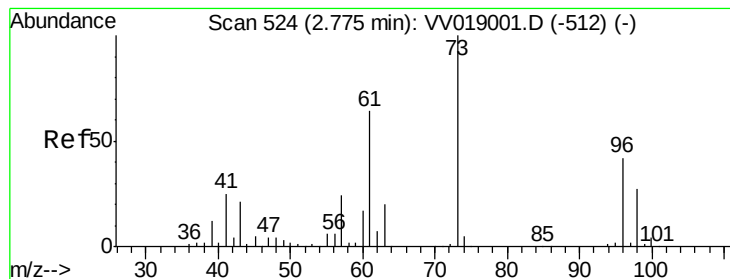


Abundance Ion 101.00 (100.70 to 101.70): VV019017.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV019017.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV019017.D (-311) (-)





#17

trans-1,2-Dichloroethene

Concen: 1.347 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.01 min

Lab File: VV019017.D

Acq: 20 Oct 2020 16:22

Instrument :
MSVOA_V
ClientSampleId :

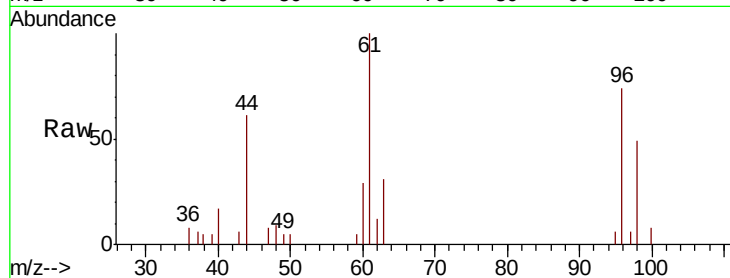
Tot Ion: 96 Resp: 2996

Ion Ratio Lower Upper

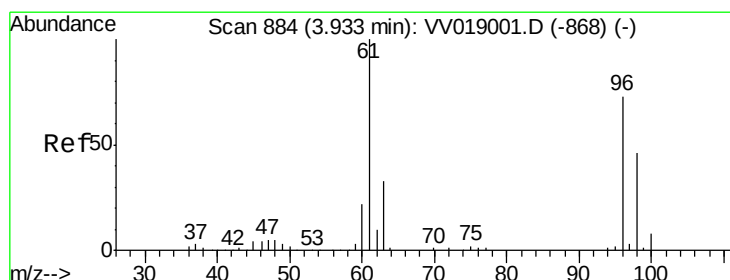
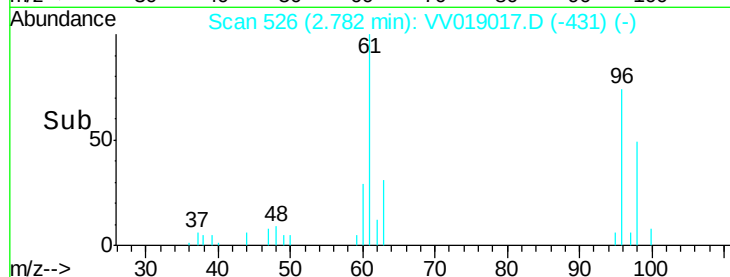
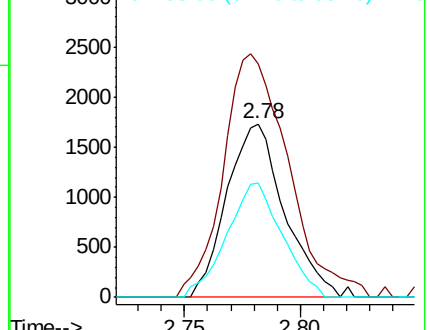
96 100

61 134.4 102.8 190.8

98 65.5 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: 60.561 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV019017.D

Acq: 20 Oct 2020 16:22

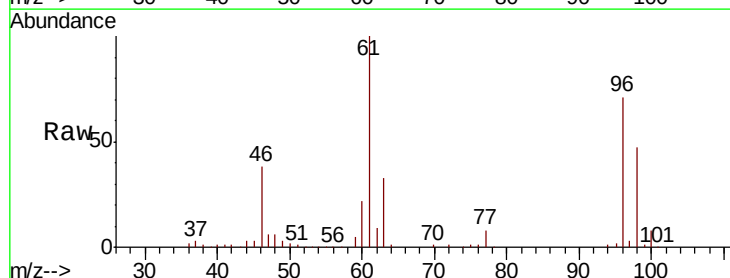
Tgt Ion: 96 Resp: 142739

Ion Ratio Lower Upper

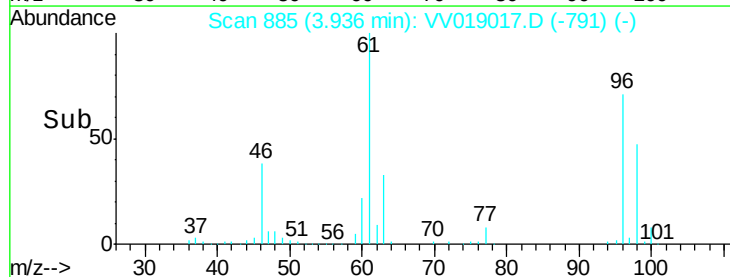
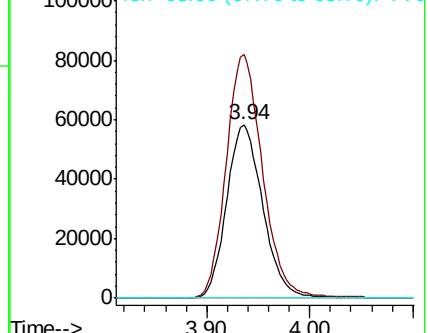
96 100

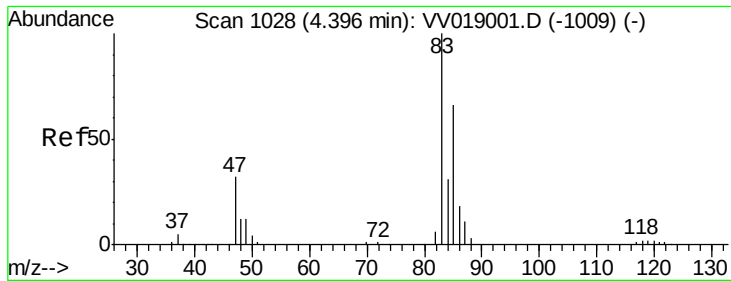
61 140.4 96.1 178.5

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

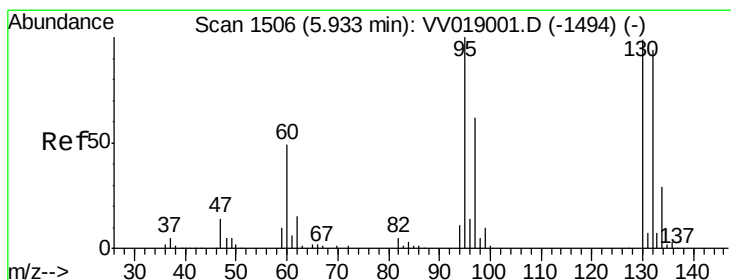
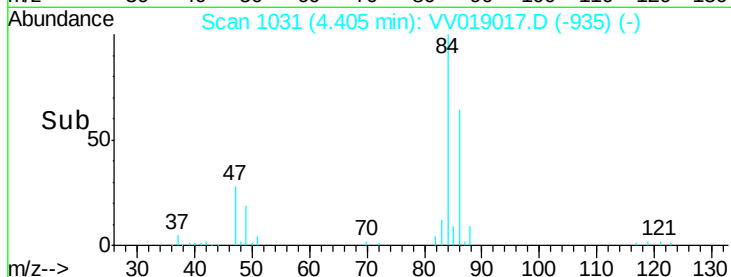
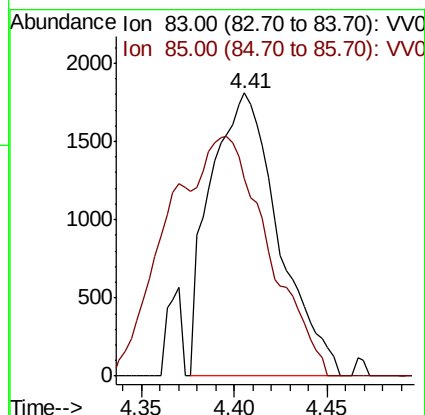
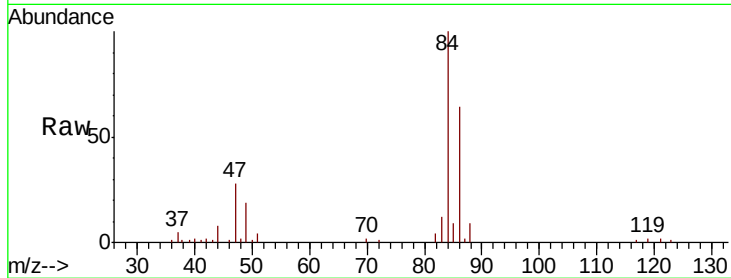




#25
Chloroform
Concen: 1.062 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VV019017.D
Acq: 20 Oct 2020 16:22

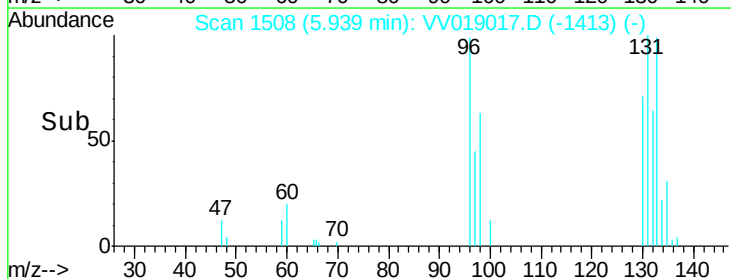
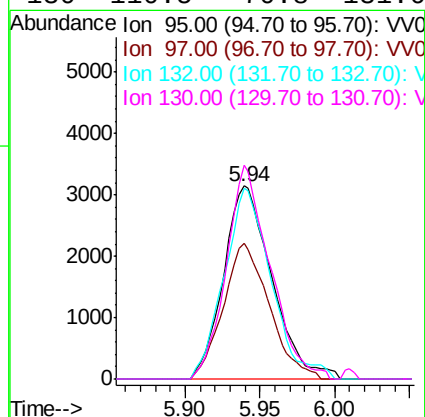
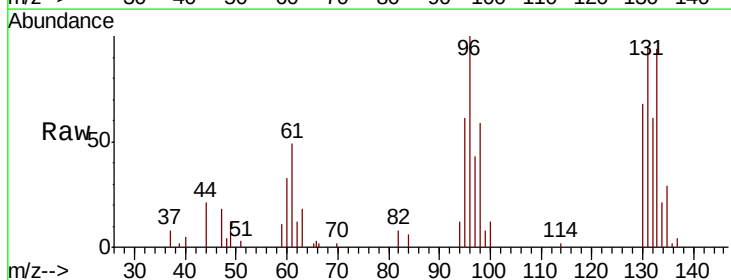
Instrument :
MSVOA_V
ClientSampleId :

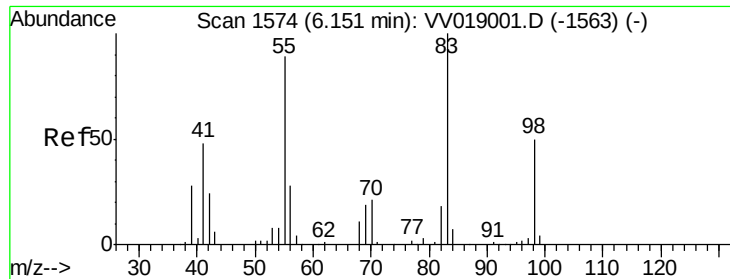
Tot Ion: 83 Resp: 4622
Ion Ratio Lower Upper
83 100
85 69.7 44.6 82.8



#34
Trichloroethene
Concen: 2.637 ug/L
RT: 5.94 min Scan# 1508
Delta R.T. 0.01 min
Lab File: VV019017.D
Acq: 20 Oct 2020 16:22

Tgt Ion: 95 Resp: 7077
Ion Ratio Lower Upper
95 100
97 70.1 44.7 82.9
132 99.0 67.0 124.4
130 110.5 70.8 131.6





#35

Methylvlcyclohexane

Concen: 8.477 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV019017.D

Acq: 20 Oct 2020 16:22

Instrument :
MSVOA_V
ClientSampleId :

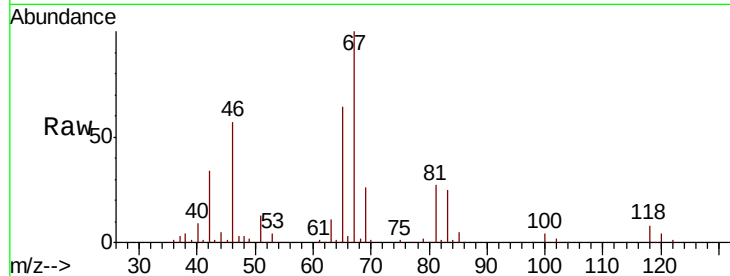
Tot Ion: 83 Resp: 27556

Ion Ratio Lower Upper

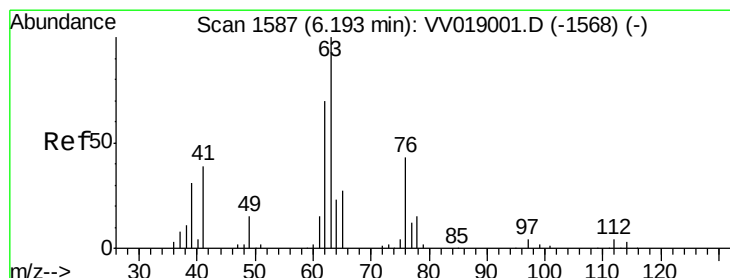
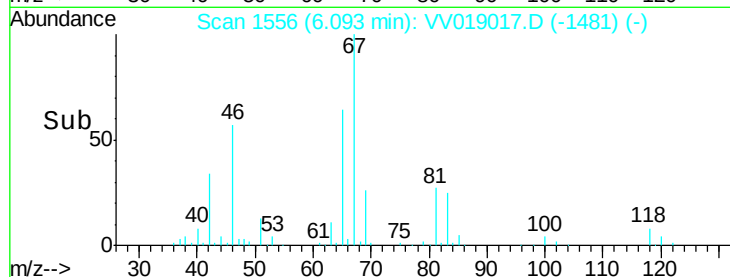
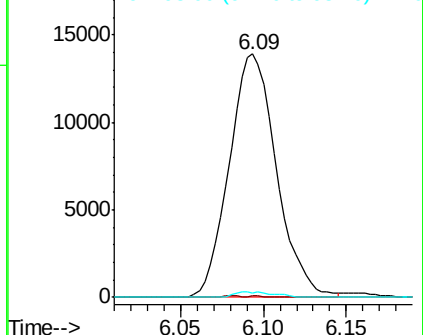
83 100

55 0.2 67.3 100.9#

98 1.8 37.9 56.9#



Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



#37

1,2-Dichloropropane

Concen: 5.317 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.10 min

Lab File: VV019017.D

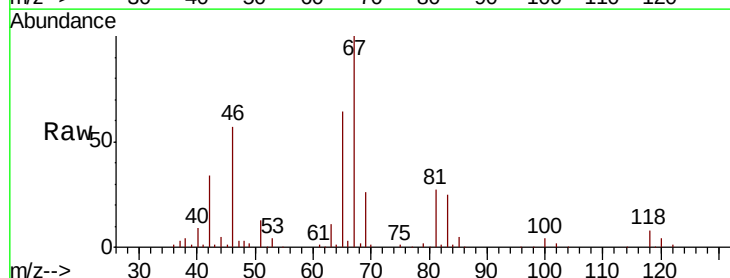
Acq: 20 Oct 2020 16:22

Tgt Ion: 63 Resp: 13248

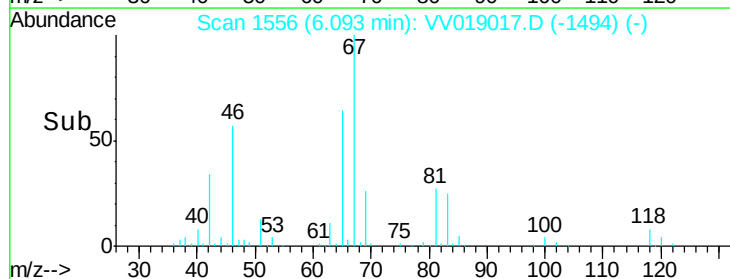
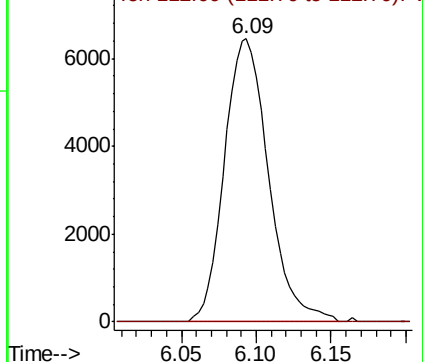
Ion Ratio Lower Upper

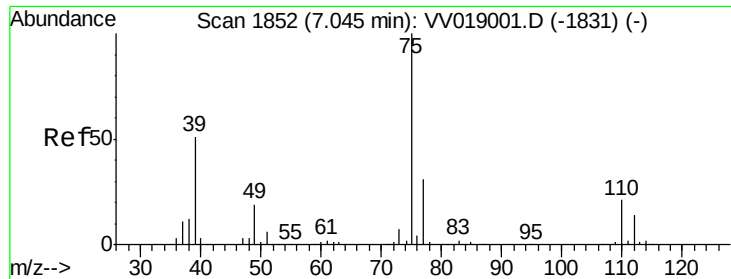
63 100

112 0.0 3.3 4.9#



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V

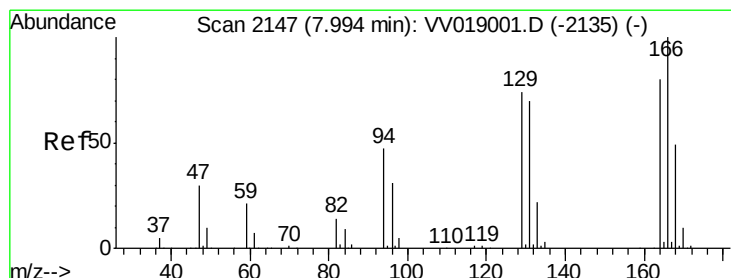
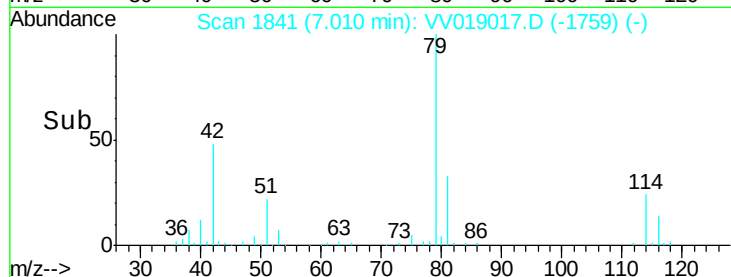
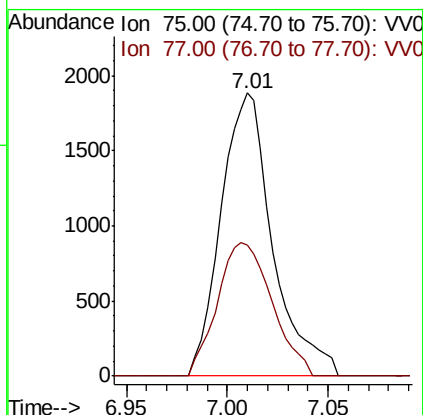
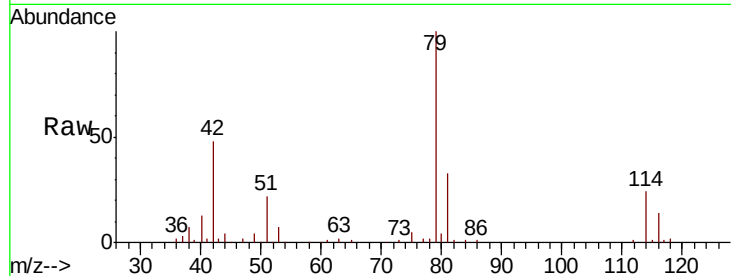




#39
 cis-1,3-Dichloropropene
 Concen: 0.897 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV019017.D
 Acq: 20 Oct 2020 16:22

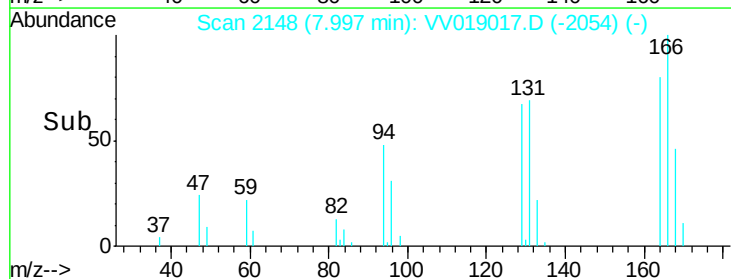
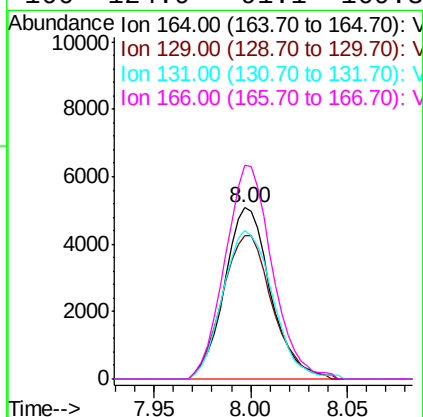
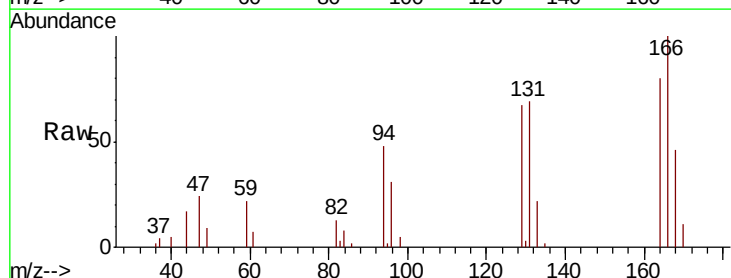
Instrument :
 MSVOA_V
 ClientSampleId :

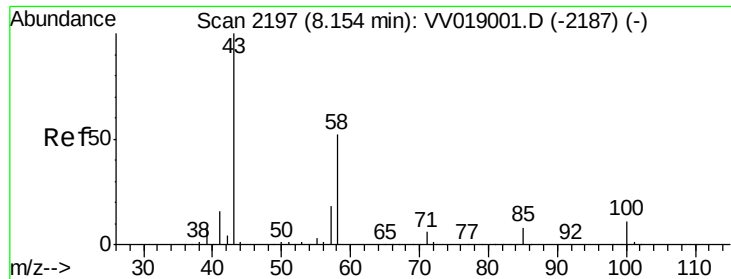
Tot Ion: 75 Resp: 3360
 Ion Ratio Lower Upper
 75 100
 77 46.5 22.5 41.9#



#46
 Tetrachloroethene
 Concen: 4.456 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV019017.D
 Acq: 20 Oct 2020 16:22

Tgt Ion: 164 Resp: 8428
 Ion Ratio Lower Upper
 164 100
 129 84.2 65.0 120.8
 131 86.8 62.9 116.7
 166 124.9 91.1 169.3

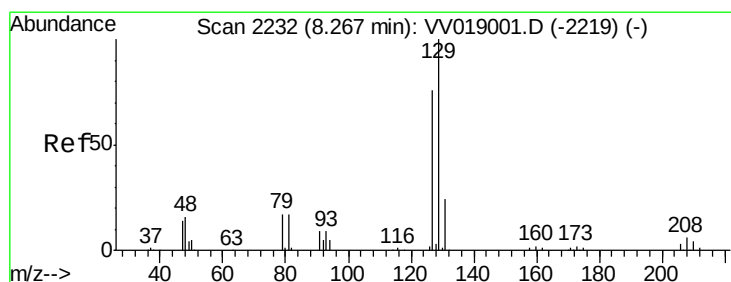
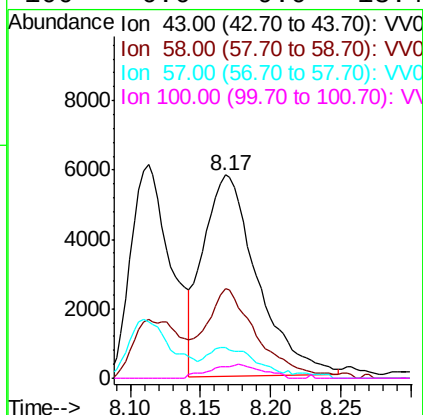
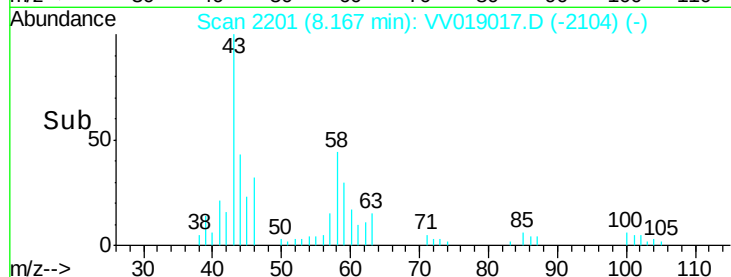
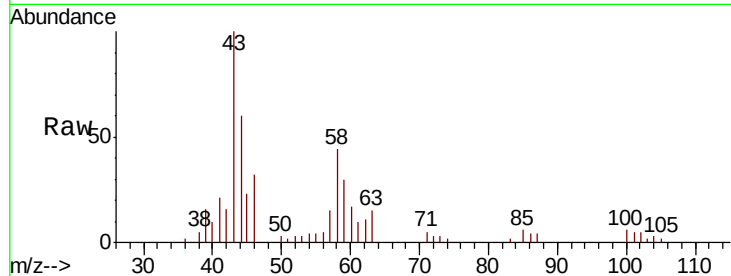




#48
2-Hexanone
Concen: 5.726 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.01 min
Lab File: VV019017.D
Acq: 20 Oct 2020 16:22

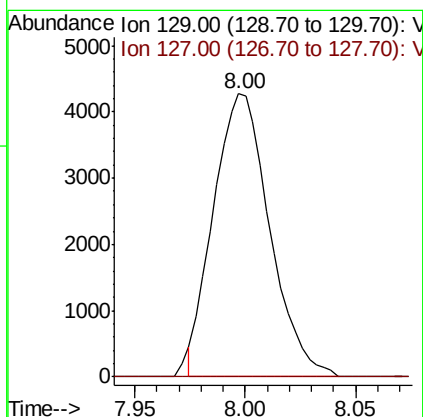
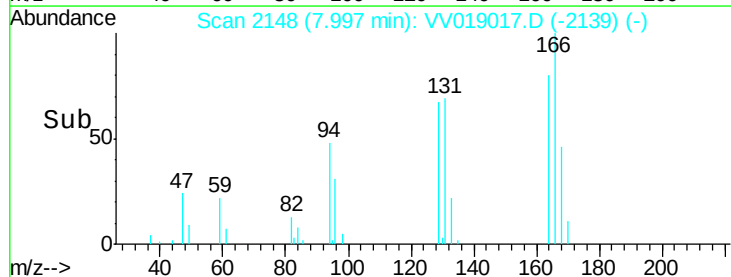
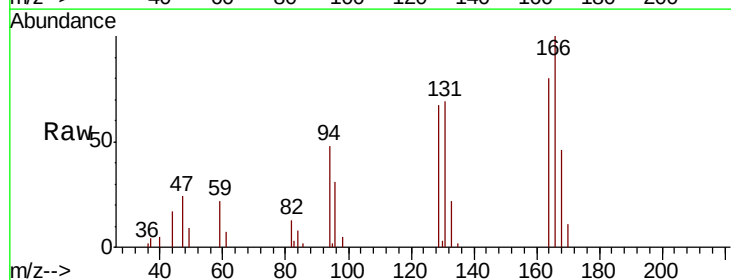
Instrument :
MSVOA_V
ClientSampleId :

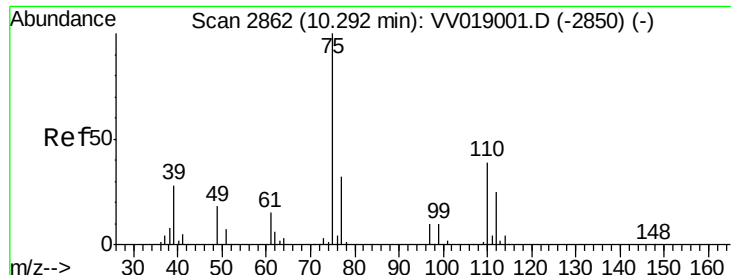
Tot Ion: 43 Resp: 15600
Ion Ratio Lower Upper
43 100
58 36.1 42.5 63.7#
57 2.7 14.5 21.7#
100 6.6 9.0 13.4#



#49
Dibromochloromethane
Concen: 3.070 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV019017.D
Acq: 20 Oct 2020 16:22

Tgt Ion: 129 Resp: 7532
Ion Ratio Lower Upper
129 100
127 0.0 55.2 102.6#





#59

1,2,3-Trichloropropane

Concen: 5.766 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV019017.D

Acq: 20 Oct 2020 16:22

Instrument :

MSVOA_V

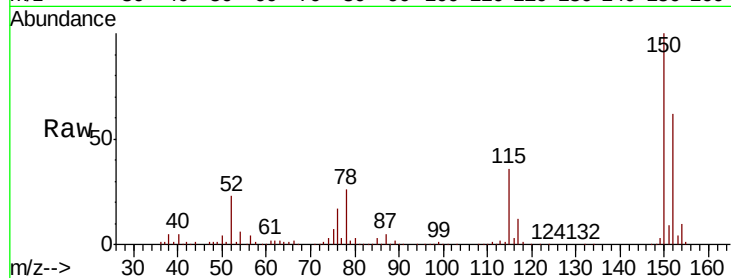
ClientSampleId :

Tot Ion: 75 Resp: 17390

Ion Ratio Lower Upper

75 100

77 36.9 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

