

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102020\
 Data File : VV019013.D
 Acq On : 20 Oct 2020 14:48
 Operator : SY/MD
 Sample : L4430-08
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 21 06:10:33 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	286709	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	286430	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	133078	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	74869	31.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	63.44%
7) Chloroethane-d5	1.58	69	76877	41.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.22%
11) 1,1-Dichloroethene-d2	2.12	63	133178	29.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.78%#
21) 2-Butanone-d5	3.91	46	166394	101.15	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.15%
24) Chloroform-d	4.38	84	189618	44.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.44%
26) 1,2-Dichloroethane-d4	5.06	65	131849	46.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.68%
32) Benzene-d6	5.08	84	348946	41.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.46%
36) 1,2-Dichloropropane-d6	6.09	67	112036	41.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.82%
41) Toluene-d8	7.34	98	284822	37.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	75.94%#
43) trans-1,3-Dichloropropene-	7.64	79	49557	37.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.84%
47) 2-Hexanone-d5	8.11	63	82545	83.11	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.11%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	129062	41.19	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.38%
64) 1,2-Dichlorobenzene-d4	11.65	152	124921	46.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.28%

Target Compounds

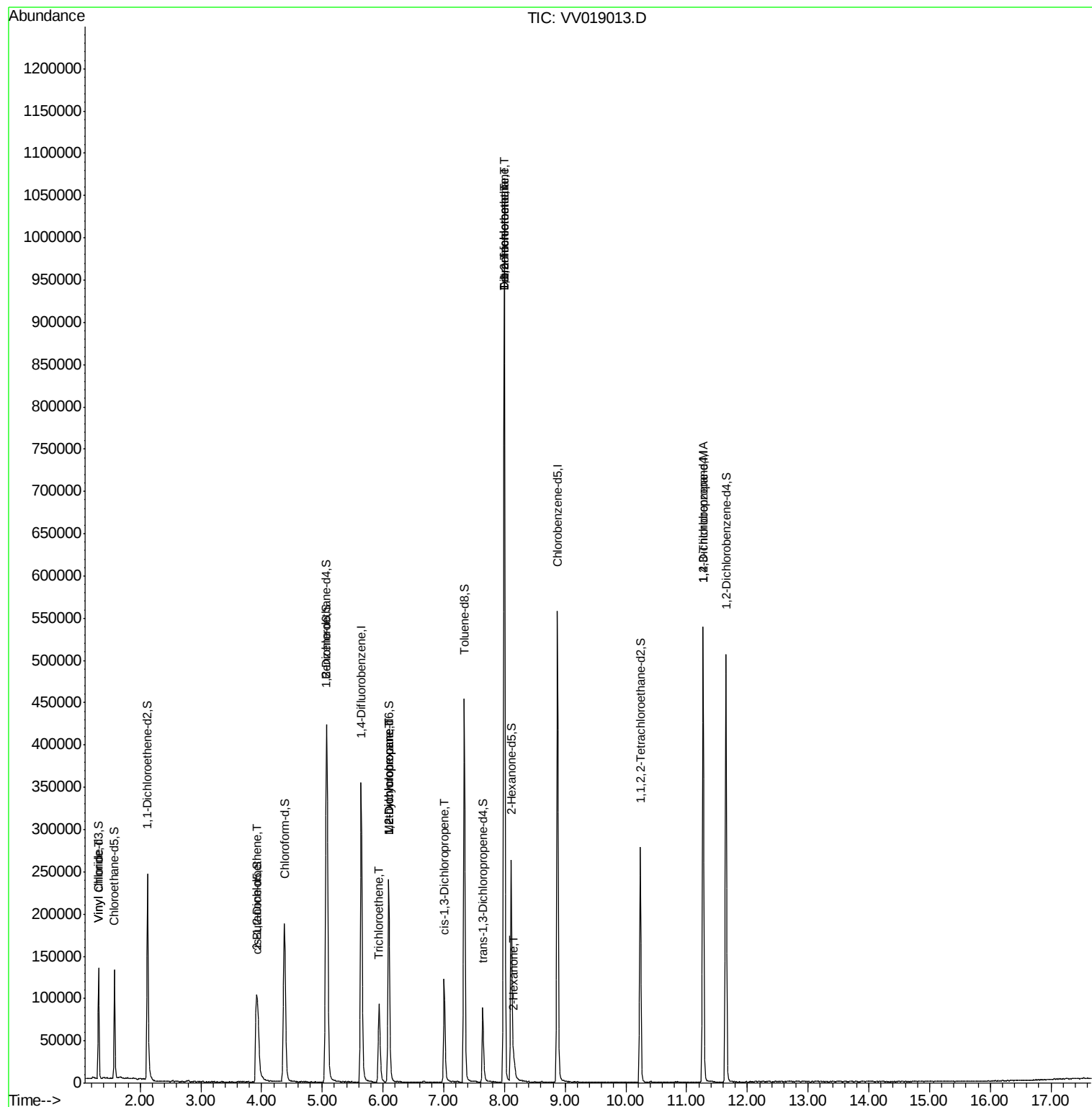
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	6636	2.452	ug/L #	79
20) cis-1,2-Dichloroethene	3.94	96	24346	10.979	ug/L	96
34) Trichloroethene	5.94	95	23837	9.414	ug/L	97
35) Methylcyclohexane	6.09	83	27044	8.819	ug/L #	17
37) 1,2-Dichloropropane	6.09	63	13515	5.750	ug/L #	88
39) cis-1,3-Dichloropropene	7.01	75	3197	0.905	ug/L #	70
45) 1,1,2-Trichloroethane	7.99	97	2102	0.961	ug/L #	5
46) Tetrachloroethene	8.00	164	225085	126.137	ug/L	99
48) 2-Hexanone	8.16	43	12550	4.883	ug/L #	83
49) Dibromochloromethane	8.00	129	200307	86.537	ug/L #	10
59) 1,2,3-Trichloropropane	11.27	75	15657	5.503	ug/L #	86

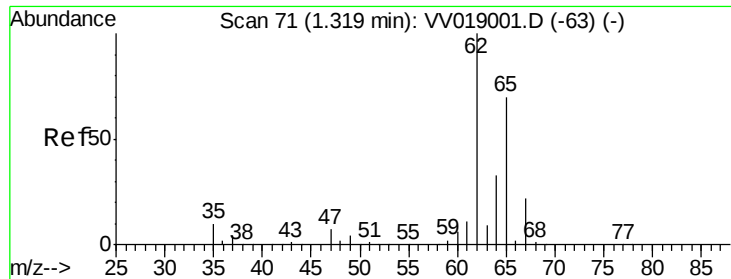
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 21 06:02:04 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 2.452 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV019013.D

Acq: 20 Oct 2020 14:48

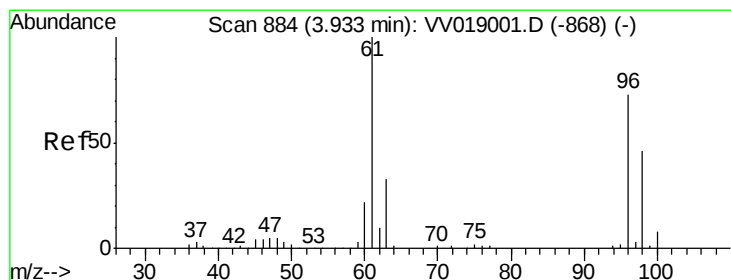
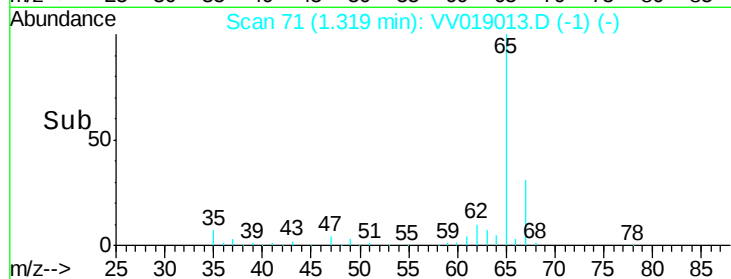
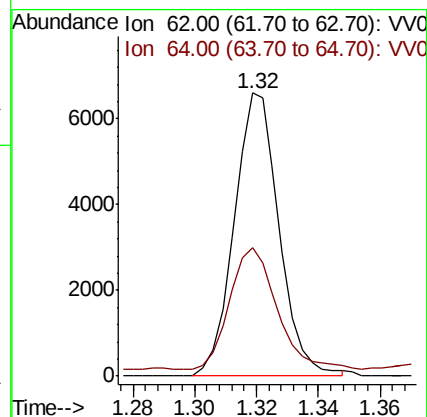
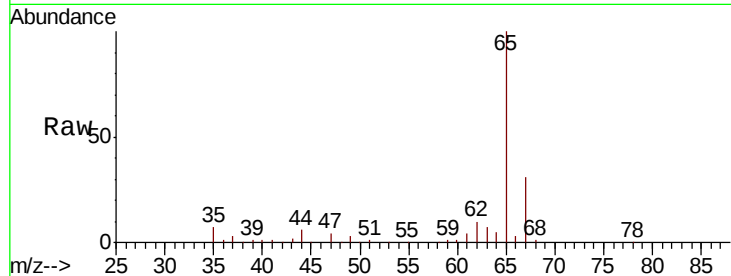
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 6636

Ion Ratio Lower Upper

62 100

64 45.4 23.2 43.2#



#20

cis-1,2-Dichloroethene

Concen: 10.979 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.01 min

Lab File: VV019013.D

Acq: 20 Oct 2020 14:48

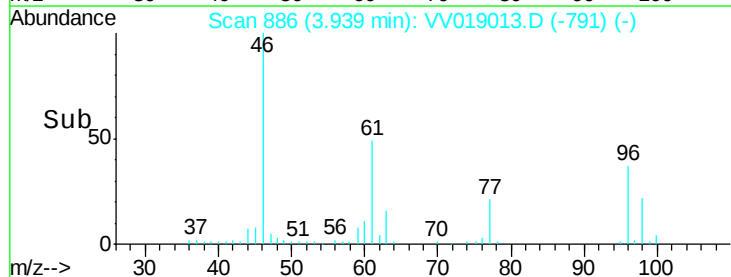
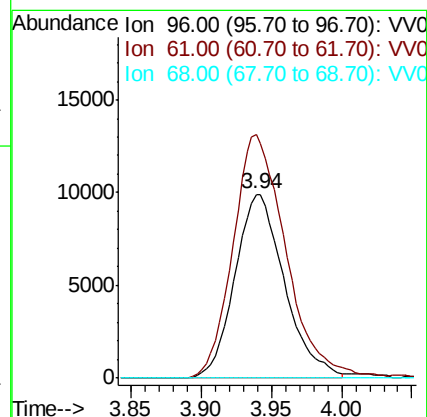
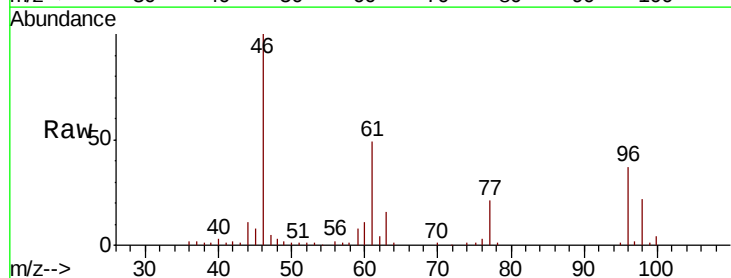
Tgt Ion: 96 Resp: 24346

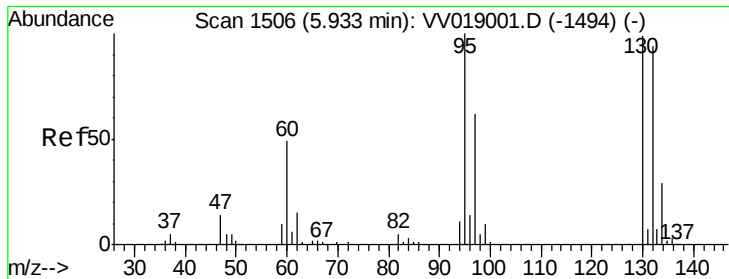
Ion Ratio Lower Upper

96 100

61 132.5 96.1 178.5

68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 9.414 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV019013.D

Acq: 20 Oct 2020 14:48

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 23837

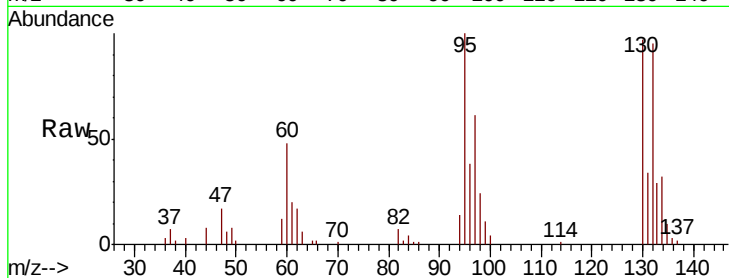
Ion Ratio Lower Upper

95 100

97 60.9 44.7 82.9

132 94.6 67.0 124.4

130 96.7 70.8 131.6

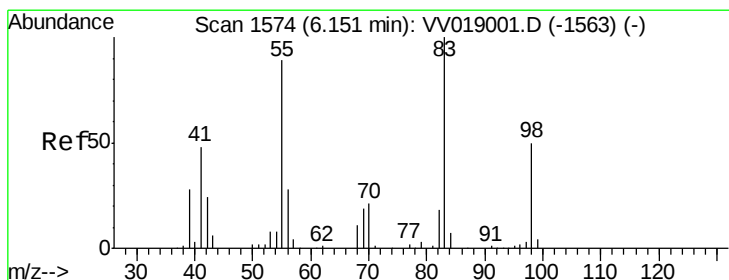
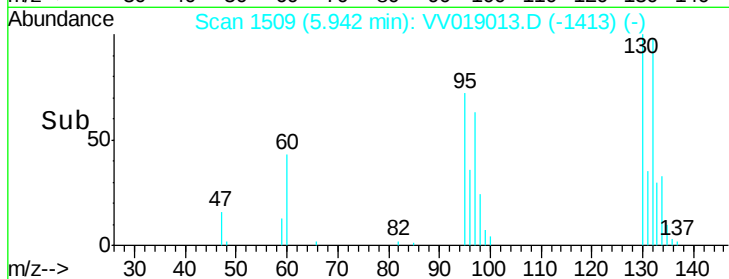
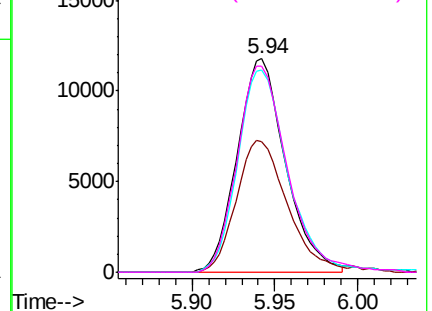


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 8.819 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV019013.D

Acq: 20 Oct 2020 14:48

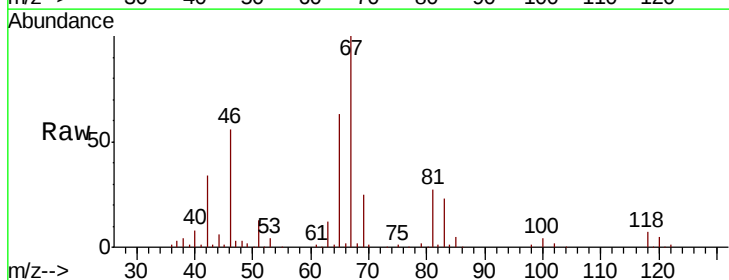
Tgt Ion: 83 Resp: 27044

Ion Ratio Lower Upper

83 100

55 0.6 67.3 100.9#

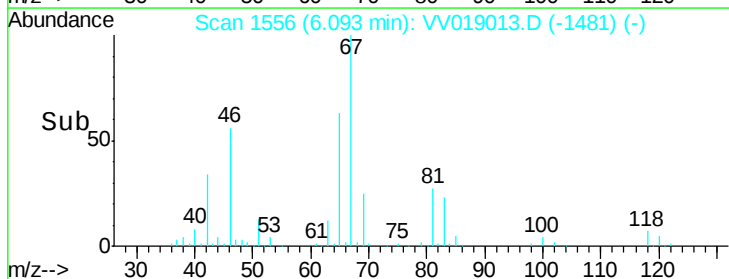
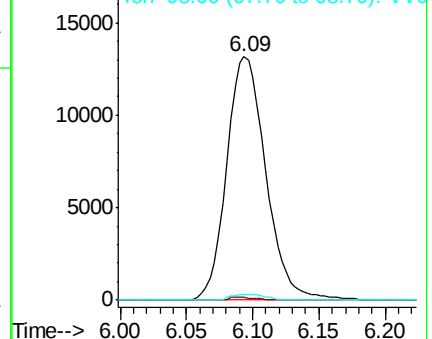
98 2.0 37.9 56.9#

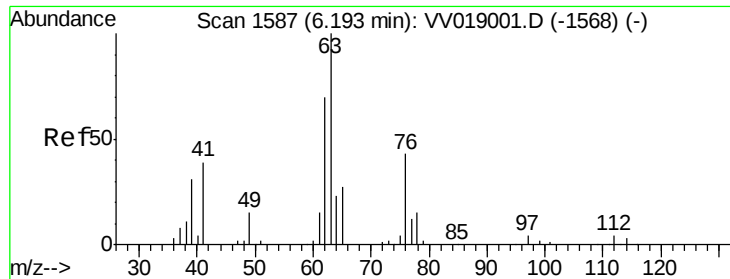


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

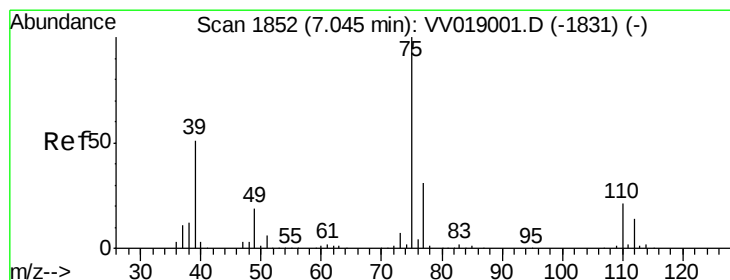
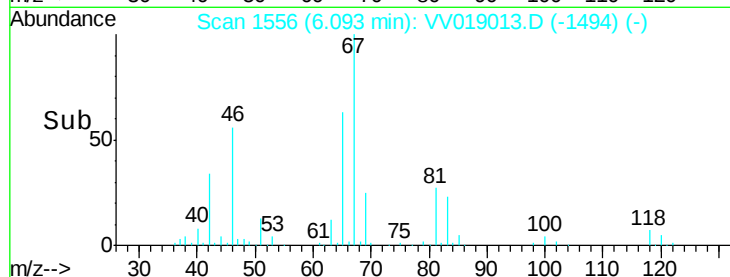
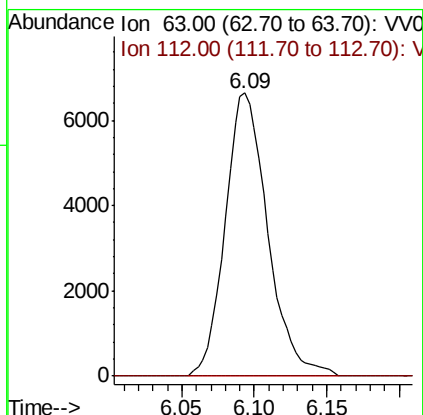
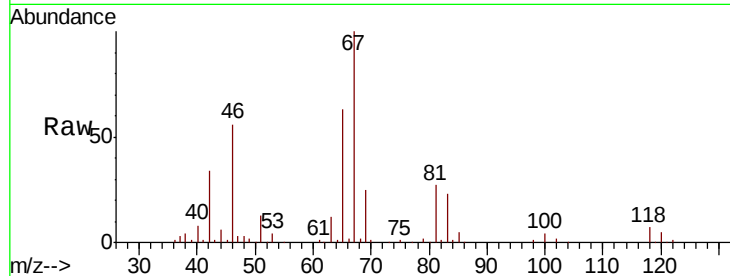




#37
 1,2-Dichloropropane
 Concen: 5.750 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.10 min
 Lab File: VV019013.D
 Acq: 20 Oct 2020 14:48

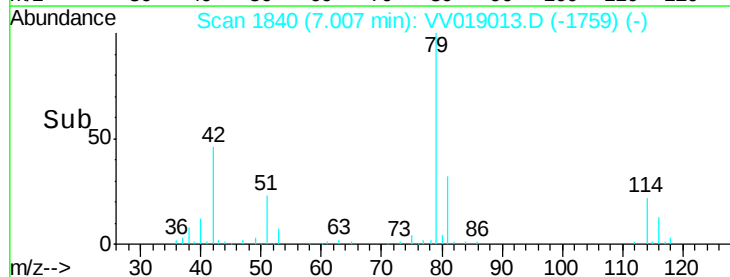
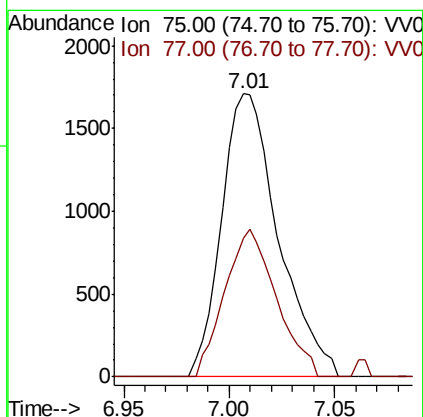
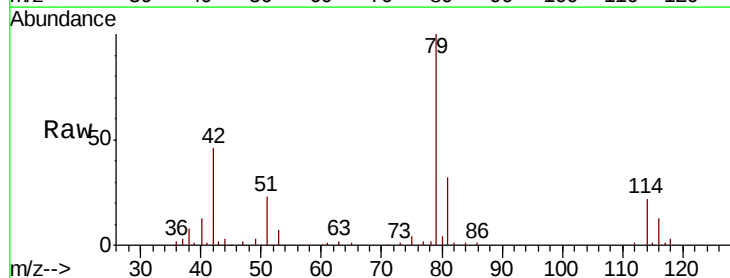
Instrument :
 MSVOA_V
 ClientSampleId :

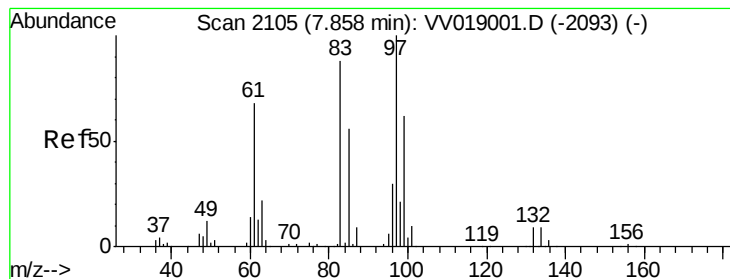
Tot Ion: 63 Resp: 13515
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.3 4.9#



#39
 cis-1,3-Dichloropropene
 Concen: 0.905 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV019013.D
 Acq: 20 Oct 2020 14:48

Tgt Ion: 75 Resp: 3197
 Ion Ratio Lower Upper
 75 100
 77 49.0 22.5 41.9#





#45

1,1,2-Trichloroethane

Concen: 0.961 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. 0.14 min

Lab File: VV019013.D

Acq: 20 Oct 2020 14:48

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 2102

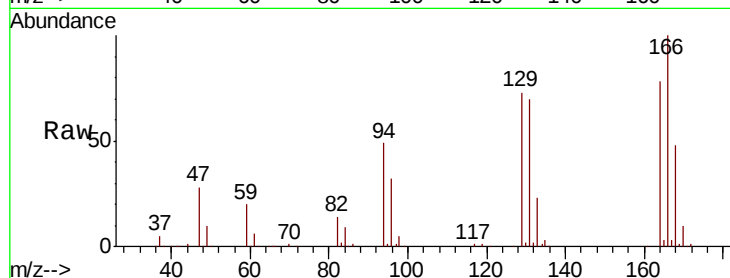
Ion Ratio Lower Upper

97 100

99 17.5 43.8 81.4#

83 239.3 61.0 113.4#

85 35.7 38.9 72.2#



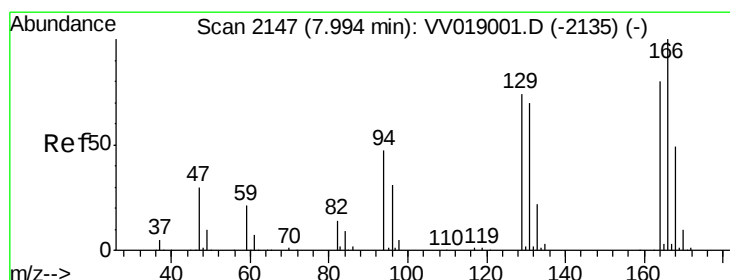
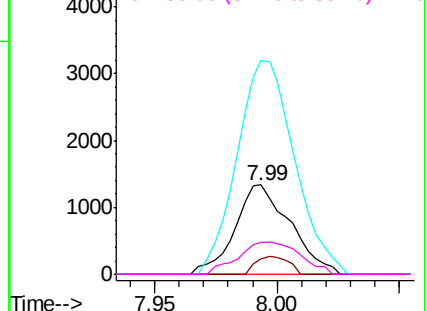
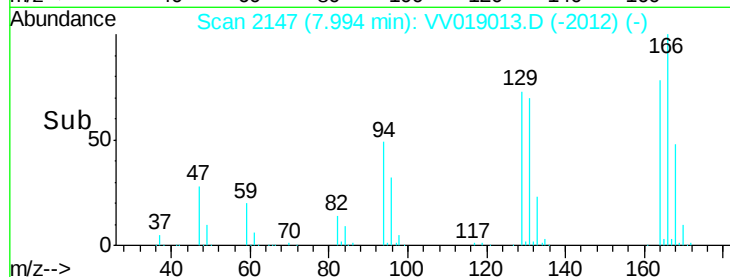
Abundance

Ion 97.00 (96.70 to 97.70): VV019013.D (-2102) (-)

Ion 99.00 (98.70 to 99.70): VV019013.D (-2102) (-)

Ion 83.00 (82.70 to 83.70): VV019013.D (-2102) (-)

Ion 85.00 (84.70 to 85.70): VV019013.D (-2102) (-)



#46

Tetrachloroethene

Concen: 126.137 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV019013.D

Acq: 20 Oct 2020 14:48

Tgt Ion: 164 Resp: 225085

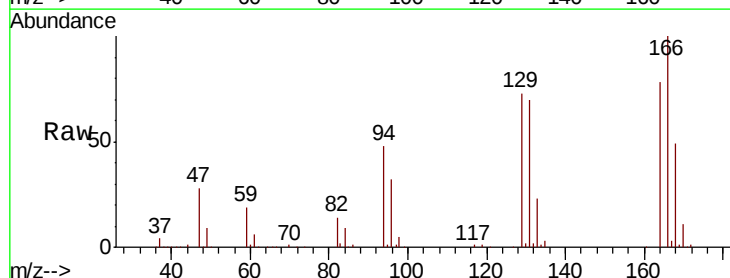
Ion Ratio Lower Upper

164 100

129 93.6 65.0 120.8

131 90.8 62.9 116.7

166 129.0 91.1 169.3



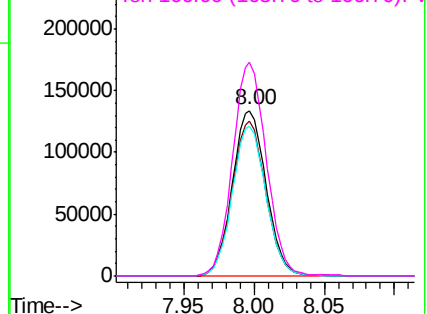
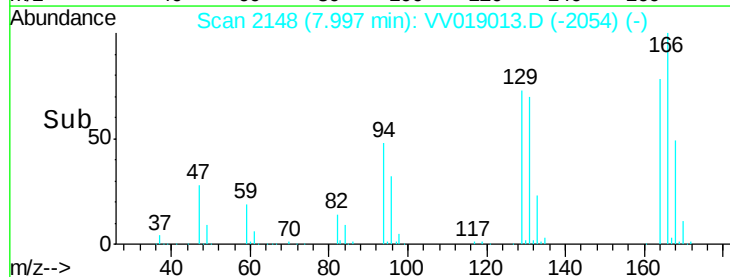
Abundance

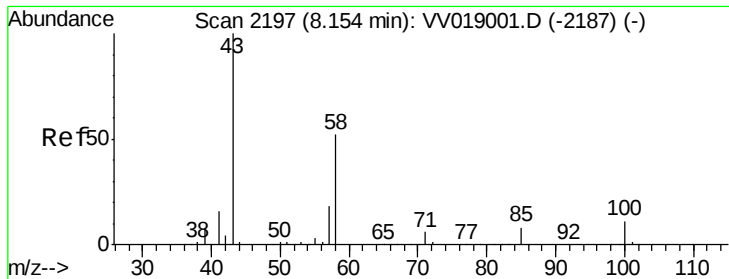
Ion 164.00 (163.70 to 164.70): VV019013.D (-2054) (-)

Ion 129.00 (128.70 to 129.70): VV019013.D (-2054) (-)

Ion 131.00 (130.70 to 131.70): VV019013.D (-2054) (-)

Ion 166.00 (165.70 to 166.70): VV019013.D (-2054) (-)

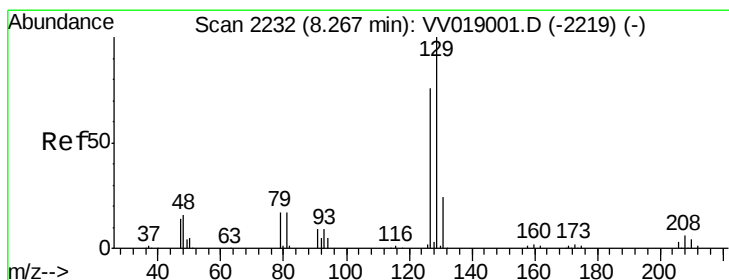
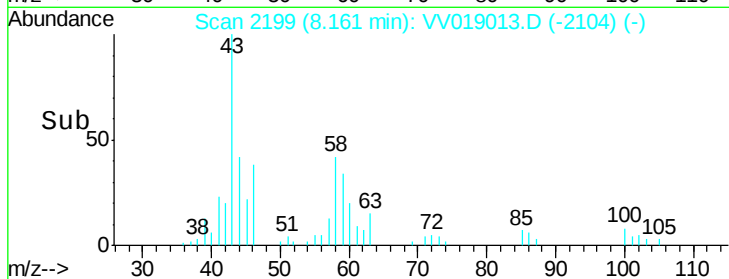
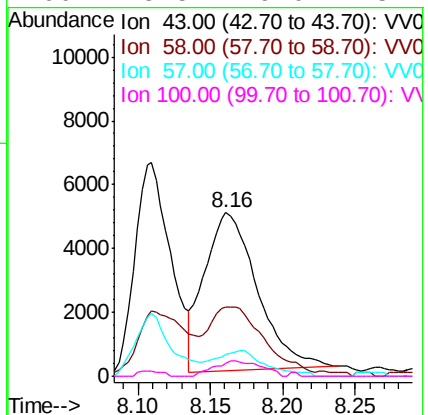
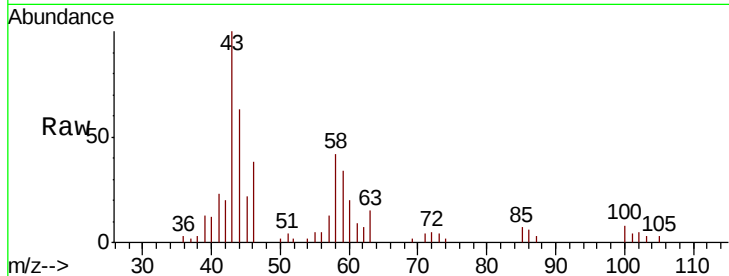




#48
2-Hexanone
Concen: 4.883 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.01 min
Lab File: VV019013.D
Acq: 20 Oct 2020 14:48

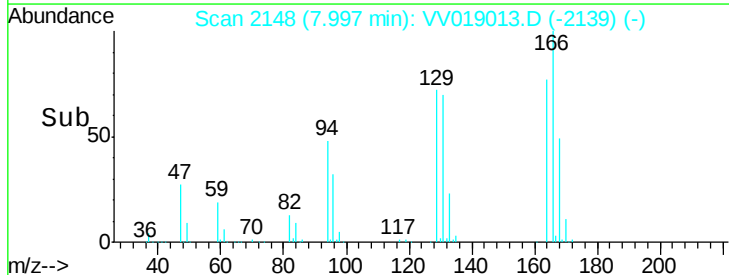
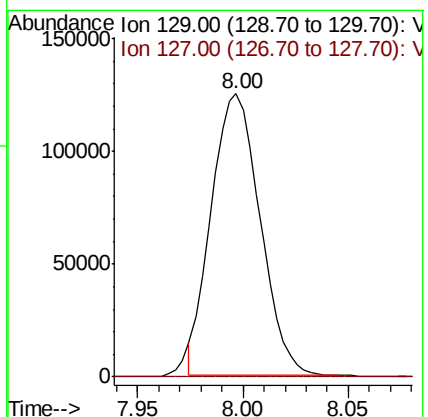
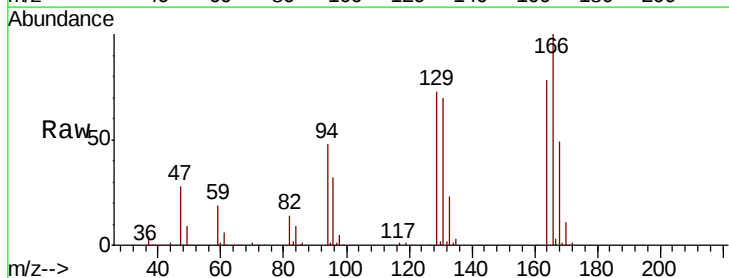
Instrument :
MSVOA_V
ClientSampled :

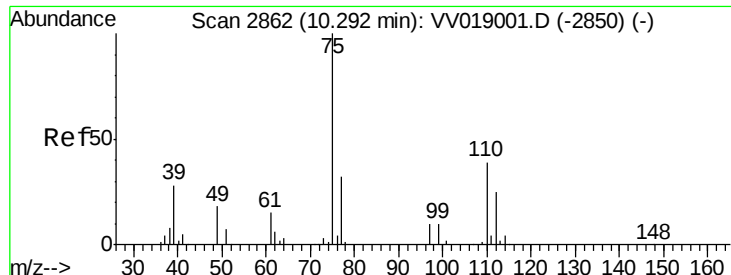
Tot Ion: 43 Resp: 12550
Ion Ratio Lower Upper
43 100
58 40.7 42.5 63.7#
57 10.1 14.5 21.7#
100 5.5 9.0 13.4#



#49
Dibromochloromethane
Concen: 86.537 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV019013.D
Acq: 20 Oct 2020 14:48

Tgt Ion: 129 Resp: 200307
Ion Ratio Lower Upper
129 100
127 0.2 55.2 102.6#





#59

1,2,3-Trichloropropane

Concen: 5.503 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV019013.D

Acq: 20 Oct 2020 14:48

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 75 Resp: 15657

Ion Ratio Lower Upper

75 100

77 39.3 25.4 38.2#

