

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101920\
 Data File : VV018992.D
 Acq On : 20 Oct 2020 02:20
 Operator : SY/MD
 Sample : L4430-06 40X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AB5DL

Quant Time: Oct 20 03:26:04 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	276852	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	282017	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	127891	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	90013	39.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.00%
7) Chloroethane-d5	1.58	69	84379	46.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.46%
11) 1,1-Dichloroethene-d2	2.12	63	142423	33.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.22%
21) 2-Butanone-d5	3.90	46	166747	104.97	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.97%
24) Chloroform-d	4.37	84	181202	44.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.50%
26) 1,2-Dichloroethane-d4	5.06	65	132220	48.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.30%
32) Benzene-d6	5.07	84	341234	41.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.90%
36) 1,2-Dichloropropane-d6	6.09	67	135150	51.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.68%
41) Toluene-d8	7.34	98	298634	40.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.86%
43) trans-1,3-Dichloropropene-	7.64	79	54943	42.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.40%
47) 2-Hexanone-d5	8.11	63	83855	85.75	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.75%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	129162	41.87	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.74%
64) 1,2-Dichlorobenzene-d4	11.65	152	126693	48.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.38%

Target Compounds

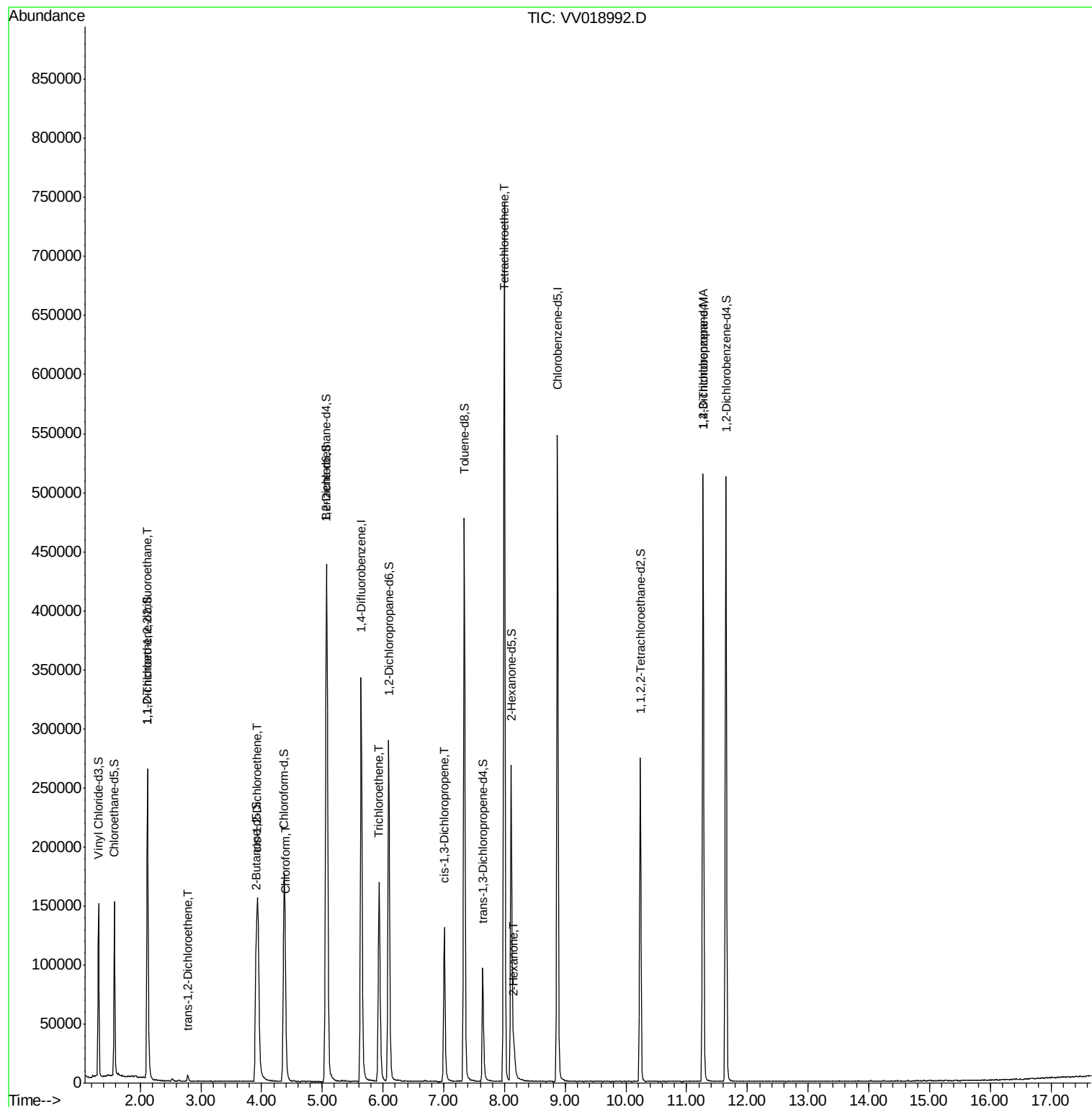
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1222	0.680	ug/L #	20
17) trans-1,2-Dichloroethene	2.78	96	1649	0.816	ug/L	91
20) cis-1,2-Dichloroethene	3.94	96	64946	30.329	ug/L	99
25) Chloroform	4.40	83	4516	1.143	ug/L	85
34) Trichloroethene	5.94	95	49757	19.959	ug/L	97
39) cis-1,3-Dichloropropene	7.01	75	3269	0.940	ug/L #	56
46) Tetrachloroethene	8.00	164	161933	92.167	ug/L	98
48) 2-Hexanone	8.16	43	15160	5.991	ug/L #	76
59) 1,2,3-Trichloropropane	11.27	75	15333	5.473	ug/L #	88

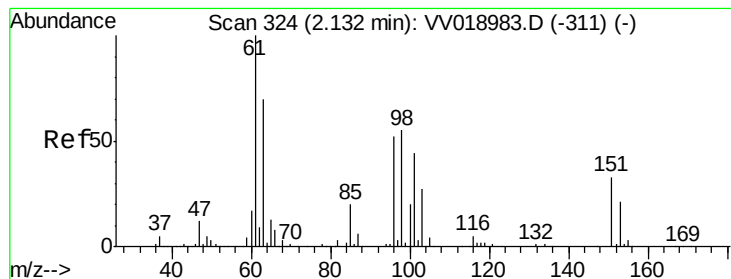
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Oct 20 03:20:26 2020
Response via : Initial Calibration





#10

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

Concen: 0.680 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV018992.D

Acq: 20 Oct 2020 02:20

Instrument :

MSVOA_V

ClientSampled :

C0AB5DL

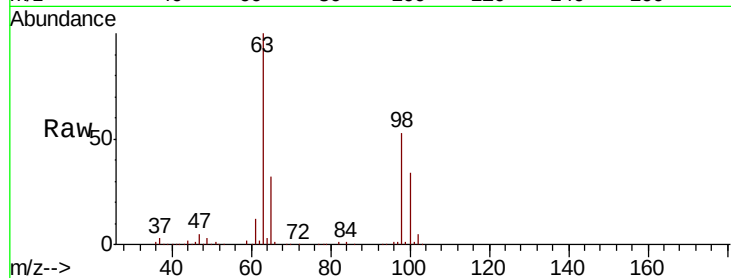
Tot Ion:101 Resp: 1222

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

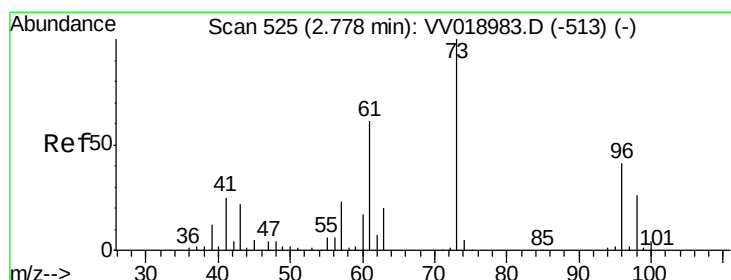
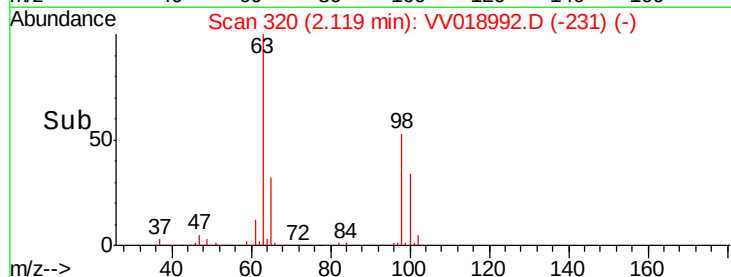
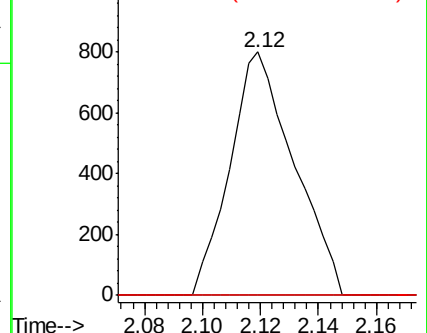
151 0.0 59.7 89.5#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#17

trans-1,2-Dichloroethene

Concen: 0.816 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.01 min

Lab File: VV018992.D

Acq: 20 Oct 2020 02:20

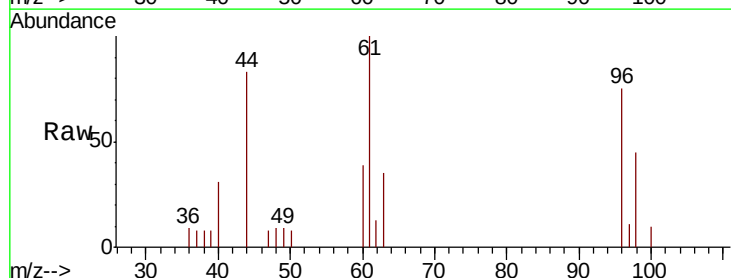
Tgt Ion: 96 Resp: 1649

Ion Ratio Lower Upper

96 100

61 133.5 102.8 190.8

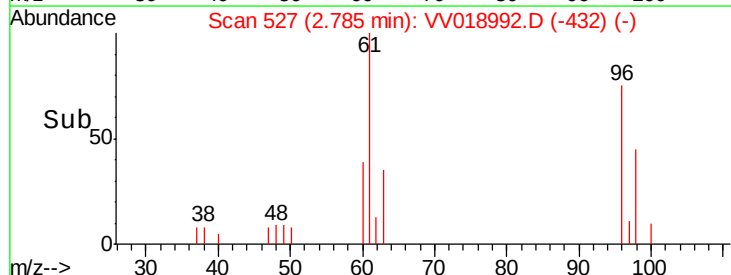
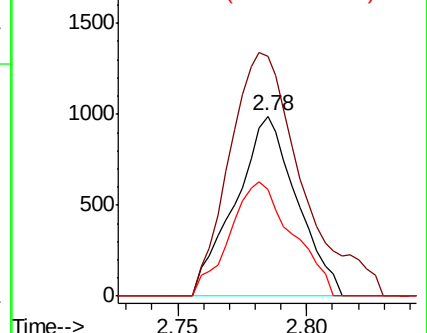
98 59.4 44.0 81.6

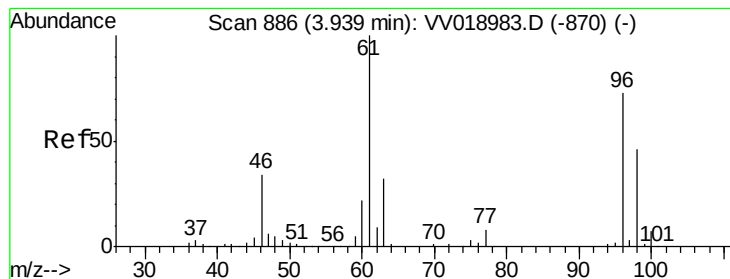


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#20

cis-1,2-Dichloroethene

Concen: 30.329 ug/L

RT: 3.94 min Scan# 886

Delta R.T. -0.00 min

Lab File: VV018992.D

Acq: 20 Oct 2020 02:20

Instrument :

MSVOA_V

ClientSampleId :

C0AB5DL

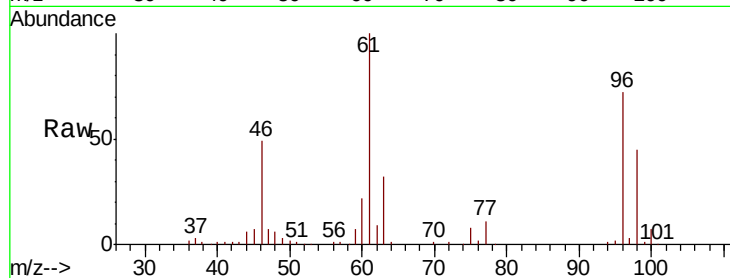
Tot Ion: 96 Resp: 64946

Ion Ratio Lower Upper

96 100

61 138.4 96.1 178.5

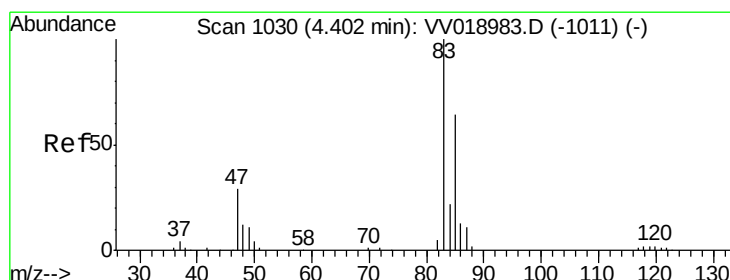
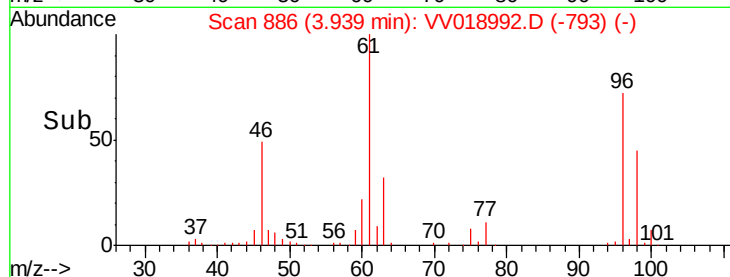
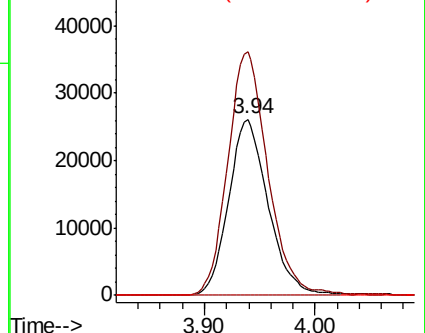
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV018983.D (-870) (-)

Ion 61.00 (60.70 to 61.70): VV018983.D (-870) (-)

Ion 68.00 (67.70 to 68.70): VV018983.D (-870) (-)



#25

Chloroform

Concen: 1.143 ug/L

RT: 4.40 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VV018992.D

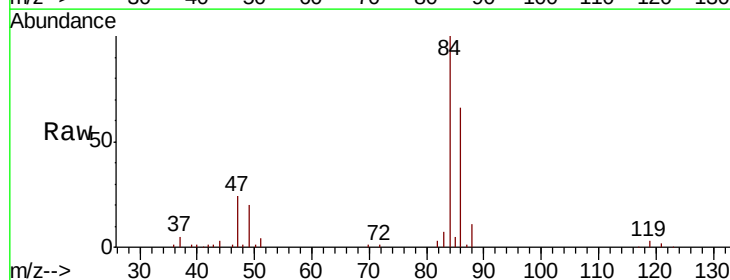
Acq: 20 Oct 2020 02:20

Tgt Ion: 83 Resp: 4516

Ion Ratio Lower Upper

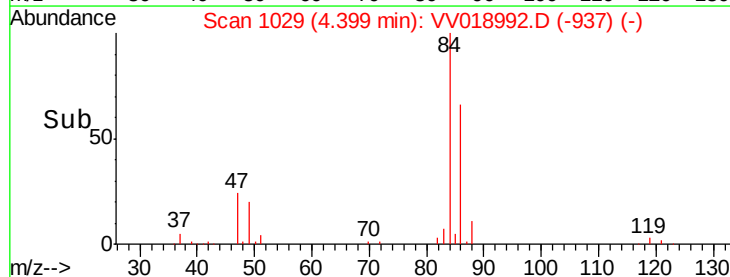
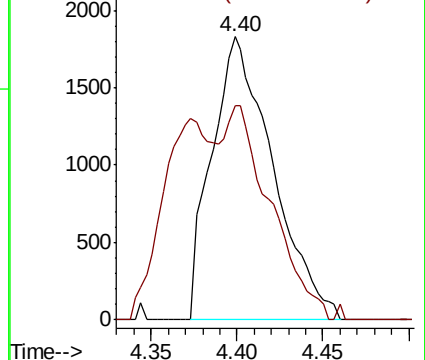
83 100

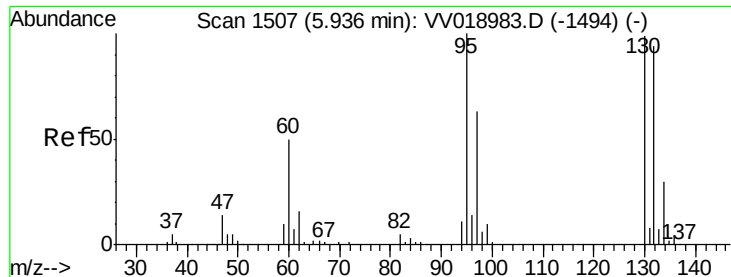
85 75.6 44.6 82.8



Abundance Ion 83.00 (82.70 to 83.70): VV018983.D (-1011) (-)

Ion 85.00 (84.70 to 85.70): VV018983.D (-1011) (-)





#34

Trichloroethene

Concen: 19.959 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV018992.D

Acq: 20 Oct 2020 02:20

Instrument :

MSVOA_V

ClientSampleId :

C0AB5DL

Tot Ion: 95 Resp: 49757

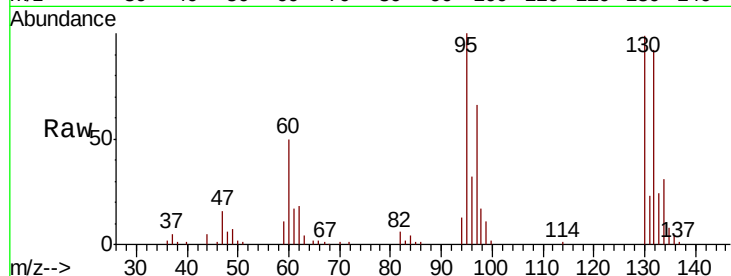
Ion Ratio Lower Upper

95 100

97 65.6 44.7 82.9

132 92.3 67.0 124.4

130 98.7 70.8 131.6

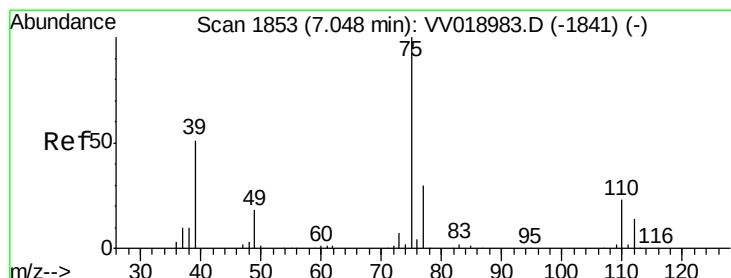
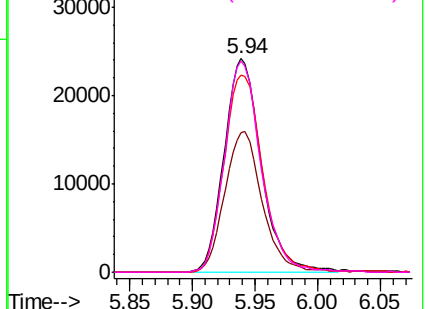
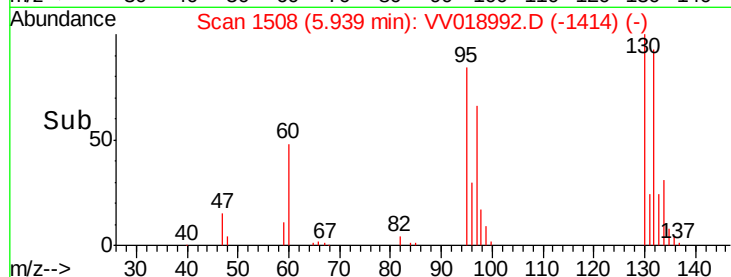


Abundance Ion 95.00 (94.70 to 95.70): VV018992.D (-1414) (-)

Ion 97.00 (96.70 to 97.70): VV018992.D (-1414) (-)

Ion 132.00 (131.70 to 132.70): VV018992.D (-1414) (-)

Ion 130.00 (129.70 to 130.70): VV018992.D (-1414) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.940 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV018992.D

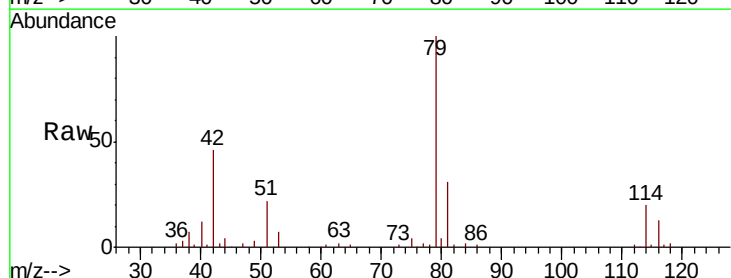
Acq: 20 Oct 2020 02:20

Tgt Ion: 75 Resp: 3269

Ion Ratio Lower Upper

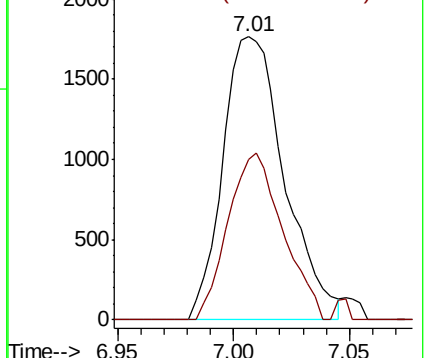
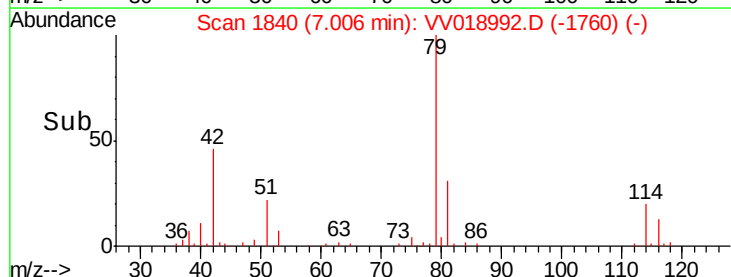
75 100

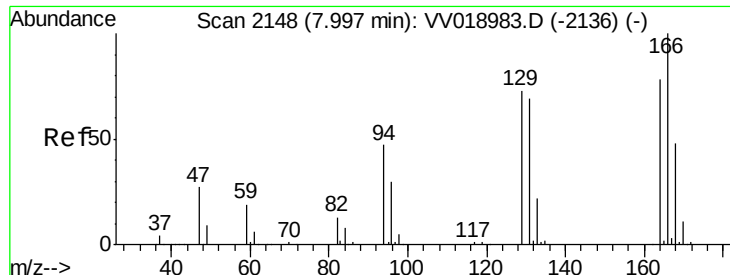
77 56.9 22.5 41.9#



Abundance Ion 75.00 (74.70 to 75.70): VV018992.D (-1760) (-)

Ion 77.00 (76.70 to 77.70): VV018992.D (-1760) (-)





#46

Tetrachloroethene

Concen: 92.167 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV018992.D

Acq: 20 Oct 2020 02:20

Instrument :

MSVOA_V

ClientSampleId :

C0AB5DL

Tot Ion:164 Resp: 161933

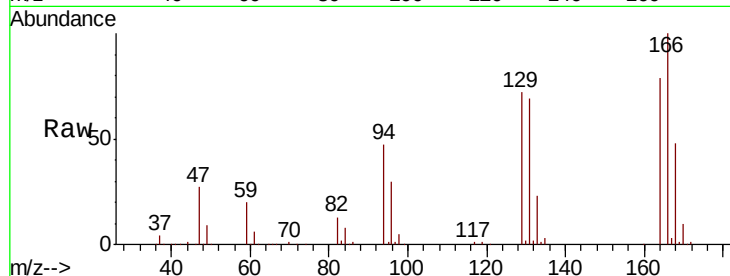
Ion Ratio Lower Upper

164 100

129 92.2 65.0 120.8

131 88.4 62.9 116.7

166 127.3 91.1 169.3

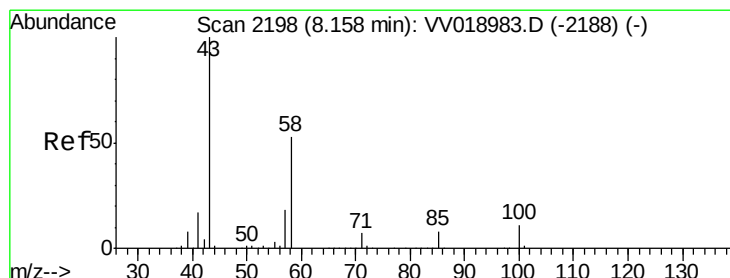
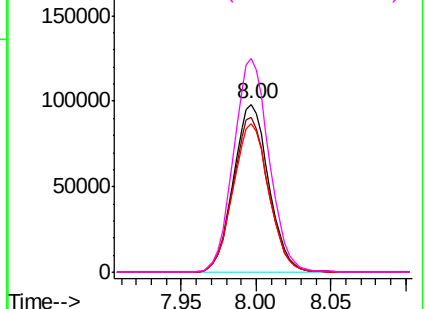
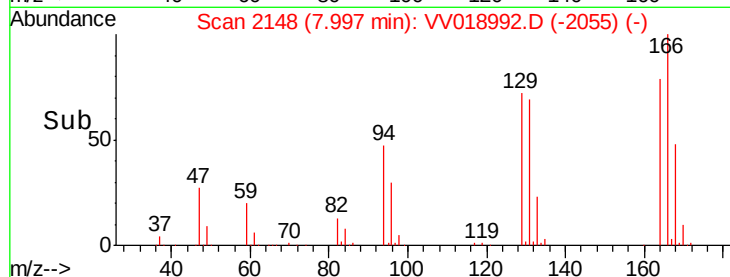


Abundance Ion 164.00 (163.70 to 164.70): V

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: 5.991 ug/L

RT: 8.16 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VV018992.D

Acq: 20 Oct 2020 02:20

Tgt Ion: 43 Resp: 15160

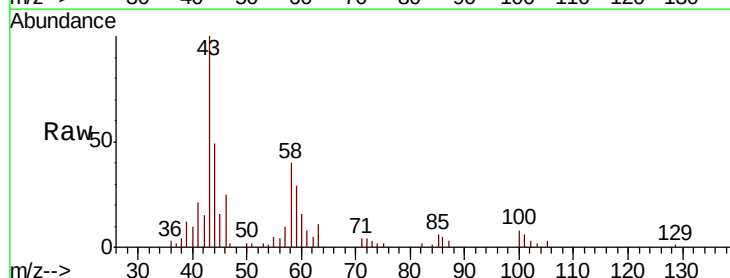
Ion Ratio Lower Upper

43 100

58 37.7 42.5 63.7#

57 0.8 14.5 21.7#

100 7.4 9.0 13.4#

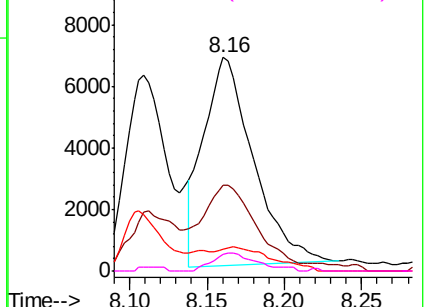
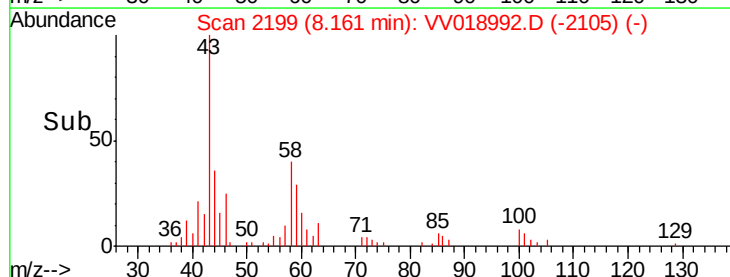


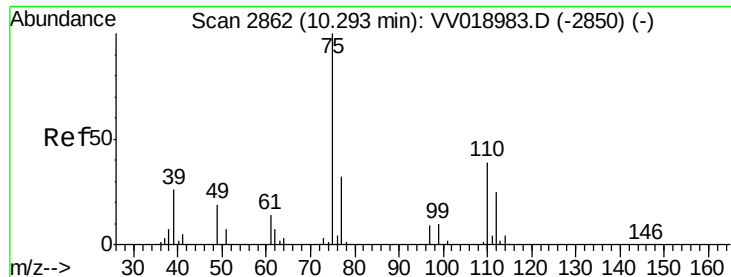
Abundance Ion 43.00 (42.70 to 43.70): VV0

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





#59

1,2,3-Trichloropropane

Concen: 5.473 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018992.D

Acq: 20 Oct 2020 02:20

Instrument :

MSVOA_V

ClientSampleId :

C0AB5DL

Tot Ion: 75 Resp: 15333

Ion Ratio Lower Upper

75 100

77 38.6 25.4 38.2#

