

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061820\
 Data File : VV016980.D
 Acq On : 18 Jun 2020 15:33
 Operator : SY/MD
 Sample : L3039-09
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 19 04:37:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 19 04:33:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	352092	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	334954	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	158390	50.00	ug/L	0.00

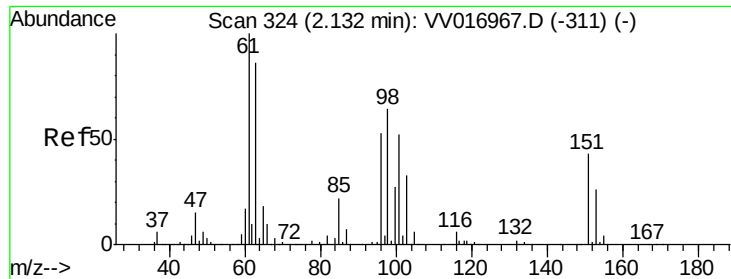
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	83716	33.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.40%
7) Chloroethane-d5	1.58	69	61794	41.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.90%
11) 1,1-Dichloroethene-d2	2.12	63	131125	31.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.86%
21) 2-Butanone-d5	3.91	46	159667	86.83	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.83%
24) Chloroform-d	4.38	84	216582	42.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.74%
26) 1,2-Dichloroethane-d4	5.06	65	156630	45.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.16%
32) Benzene-d6	5.08	84	417332	43.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.44%
36) 1,2-Dichloropropane-d6	6.09	67	131474	43.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.36%
41) Toluene-d8	7.34	98	381625	43.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.14%
43) trans-1,3-Dichloropropene-	7.64	79	66797	42.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.22%
47) 2-Hexanone-d5	8.11	63	98207	74.84	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	74.84%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	166292	41.74	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.48%
64) 1,2-Dichlorobenzene-d4	11.65	152	162602	48.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1385	0.740	ug/L #	21
12) 1,1-Dichloroethene	2.12	96	1257	0.719	ug/L #	1
13) Acetone	2.19	43	3306	2.729	ug/L	87
20) cis-1,2-Dichloroethene	3.94	96	35169	13.539	ug/L	97
25) Chloroform	4.40	83	3582	0.777	ug/L	84
27) 1,2-Dichloroethane	5.08	62	3009	0.779	ug/L	99
34) Trichloroethene	5.94	95	15136	5.695	ug/L	96
39) cis-1,3-Dichloropropene	7.01	75	4623	1.155	ug/L	85
46) Tetrachloroethene	8.00	164	100397	48.028	ug/L	97
48) 2-Hexanone	8.17	43	8411	2.970	ug/L #	87
59) 1,2,3-Trichloropropane	11.27	75	18805	5.881	ug/L	89

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



#10

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

Concen: 0.740 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV016980.D

Acq: 18 Jun 2020 15:33

Instrument :

MSVOA_V

ClientSampled :

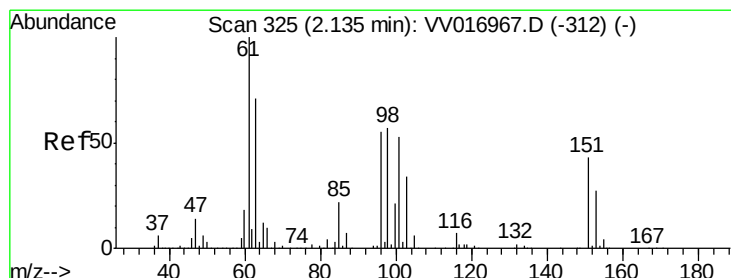
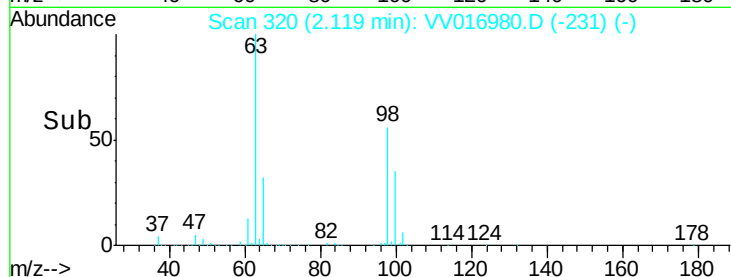
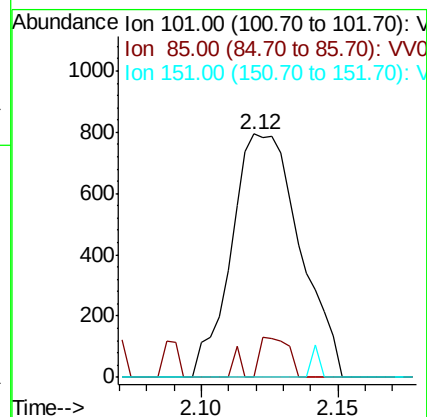
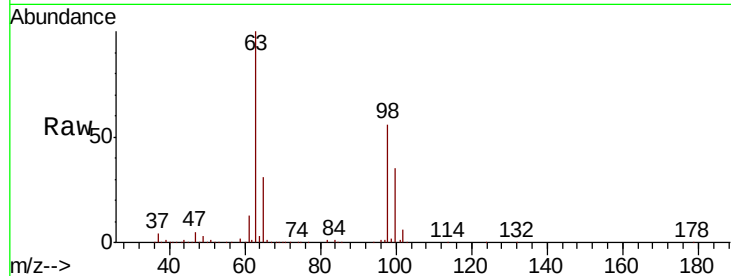
Tot Ion:101 Resp: 1385

Ion Ratio Lower Upper

101 100

85 6.6 35.5 53.3#

151 0.0 63.9 95.9#



#12

1,1-Dichloroethene

Concen: 0.719 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.02 min

Lab File: VV016980.D

Acq: 18 Jun 2020 15:33

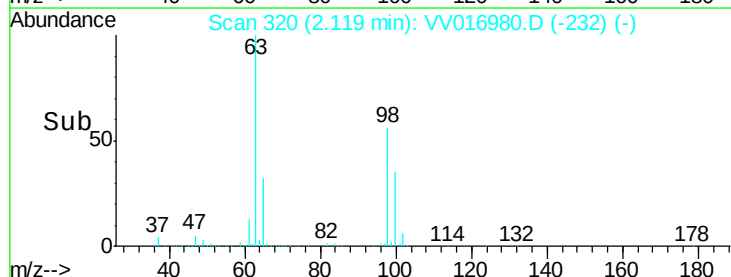
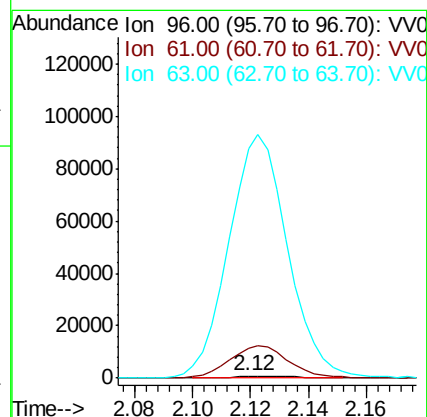
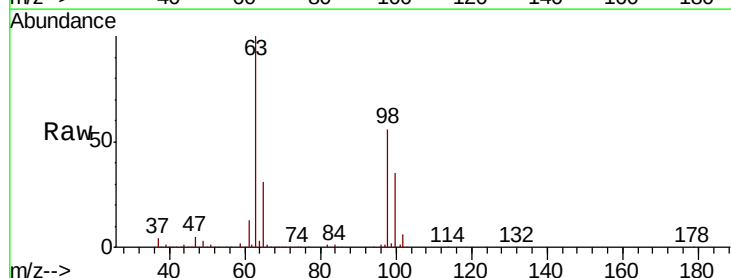
Tgt Ion: 96 Resp: 1257

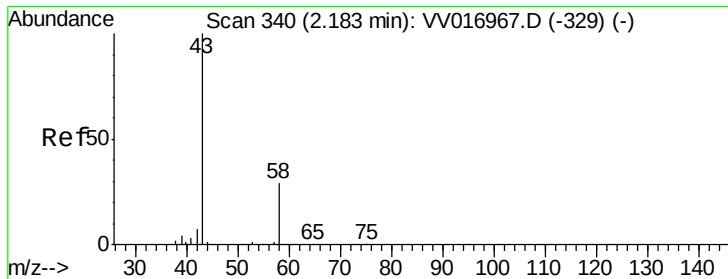
Ion Ratio Lower Upper

96 100

61 1526.6 130.4 242.2#

63 11618.6 103.3 191.9#





#13

Acetone

Concen: 2.729 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV016980.D

Acq: 18 Jun 2020 15:33

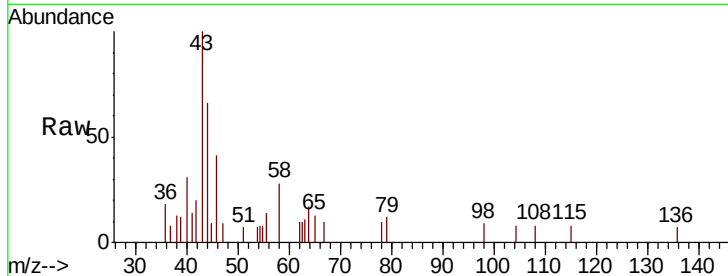
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 3306

Ion Ratio Lower Upper

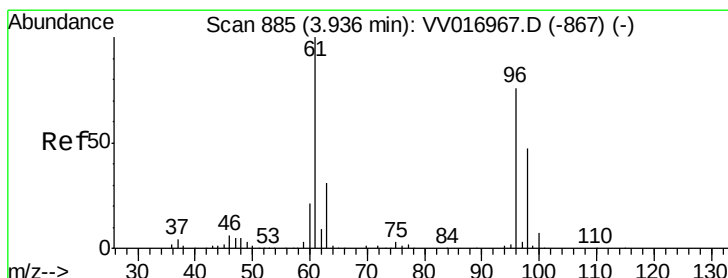
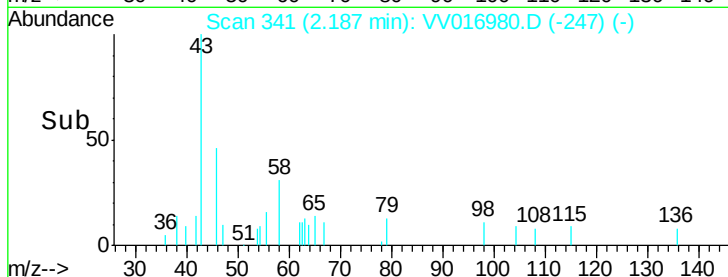
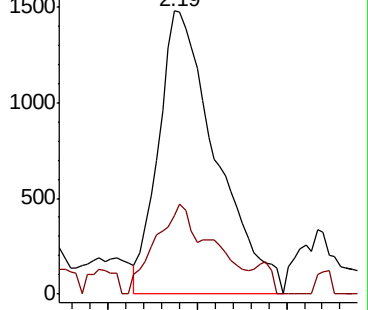
43 100

58 20.7 0.0 55.2



Abundance Ion 43.00 (42.70 to 43.70): VV016967.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV016967.D (-329) (-)



#20

cis-1,2-Dichloroethene

Concen: 13.539 ug/L

RT: 3.94 min Scan# 887

Delta R.T. 0.01 min

Lab File: VV016980.D

Acq: 18 Jun 2020 15:33

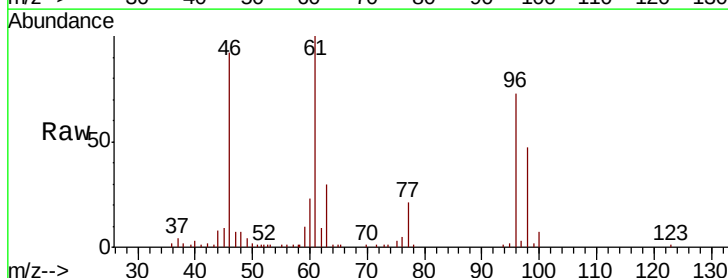
Tgt Ion: 96 Resp: 35169

Ion Ratio Lower Upper

96 100

61 137.2 93.4 173.4

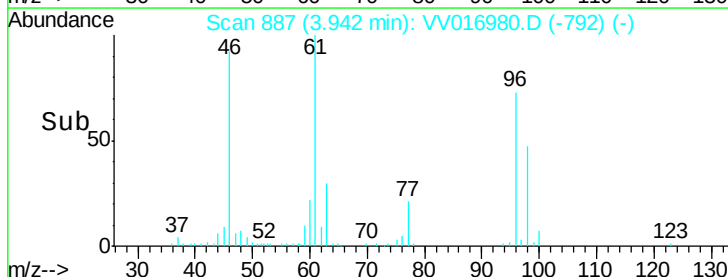
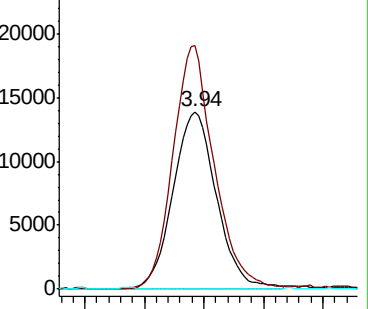
68 0.0 0.0 0.0

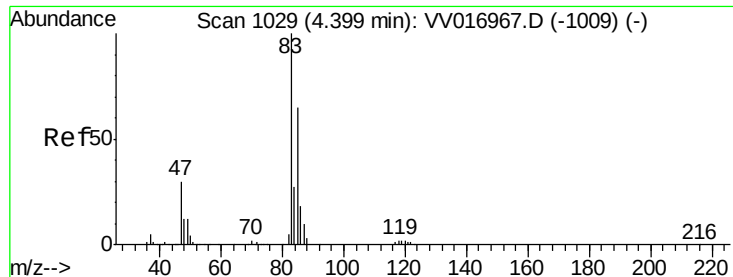


Abundance Ion 96.00 (95.70 to 96.70): VV016967.D (-867) (-)

Ion 61.00 (60.70 to 61.70): VV016967.D (-867) (-)

Ion 68.00 (67.70 to 68.70): VV016967.D (-867) (-)

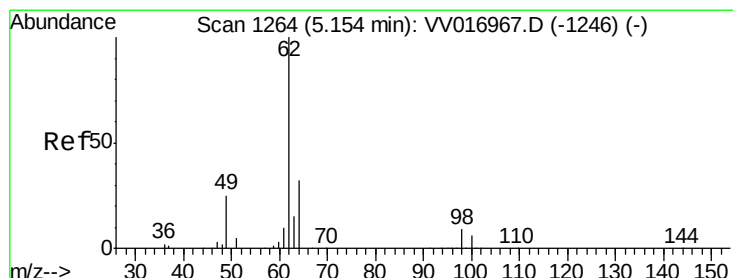
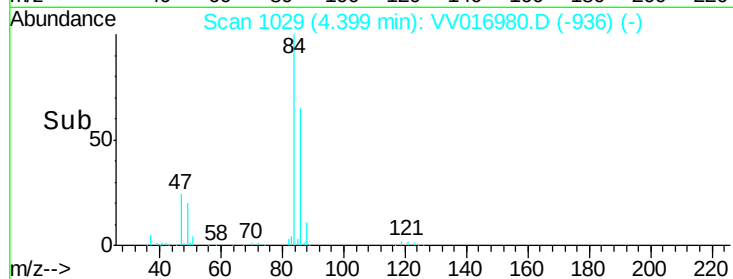
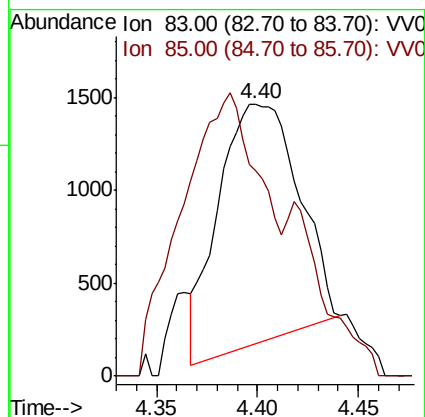
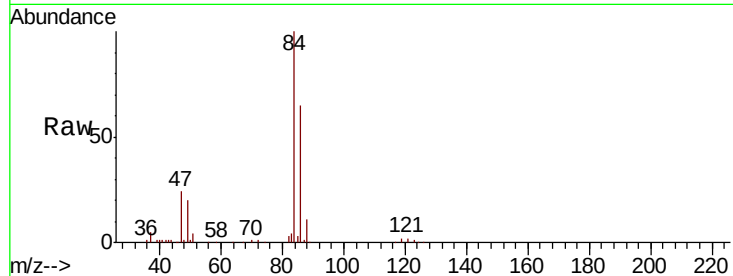




#25
Chloroform
Concen: 0.777 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV016980.D
Acq: 18 Jun 2020 15:33

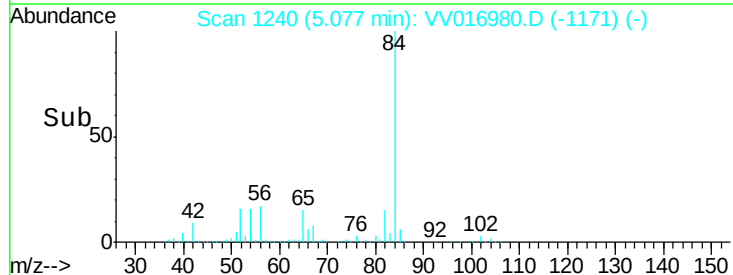
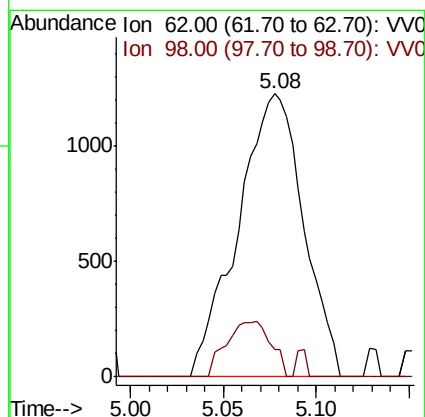
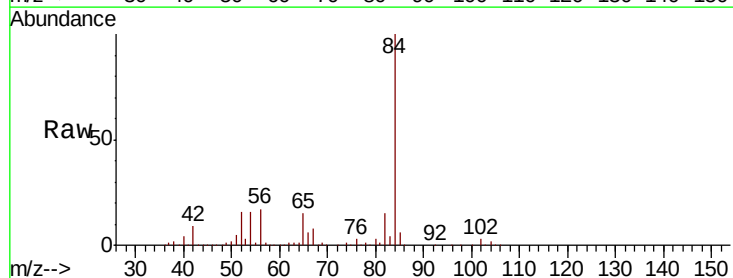
Instrument :
MSVOA_V
ClientSampleId :

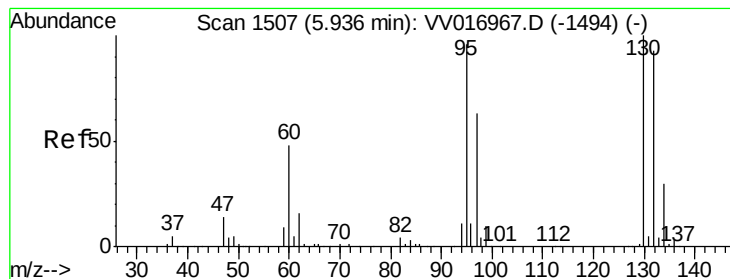
Tot Ion: 83 Resp: 3582
Ion Ratio Lower Upper
83 100
85 75.3 44.1 81.9



#27
1,2-Dichloroethane
Concen: 0.779 ug/L
RT: 5.08 min Scan# 1240
Delta R.T. -0.08 min
Lab File: VV016980.D
Acq: 18 Jun 2020 15:33

Tgt Ion: 62 Resp: 3009
Ion Ratio Lower Upper
62 100
98 9.7 7.4 11.2





#34

Trichloroethene

Concen: 5.695 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV016980.D

Acq: 18 Jun 2020 15:33

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 15136

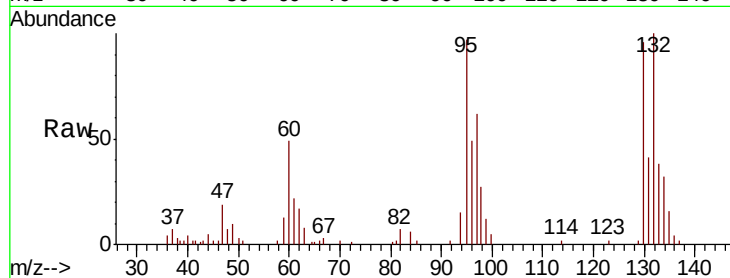
Ion Ratio Lower Upper

95 100

97 64.3 44.3 82.3

132 103.0 67.9 126.1

130 99.0 72.2 134.2



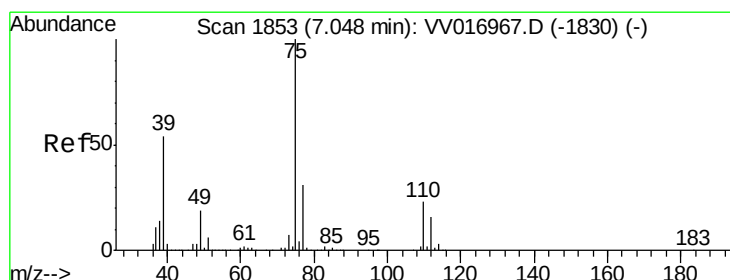
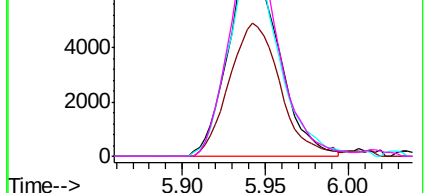
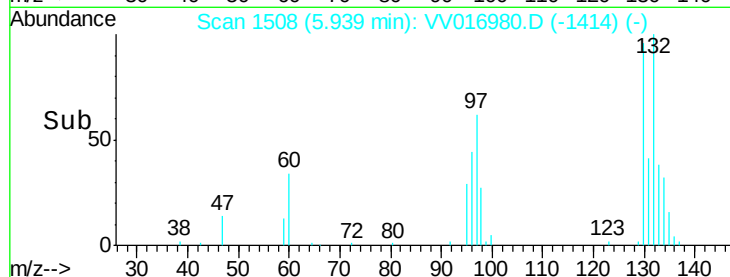
Abundance Ion 95.00 (94.70 to 95.70): VV016967.D (-1494) (-)

Ion 97.00 (96.70 to 97.70): VV016967.D (-1494) (-)

Ion 132.00 (131.70 to 132.70): VV016967.D (-1494) (-)

Ion 130.00 (129.70 to 130.70): VV016967.D (-1494) (-)

Time-->



#39

cis-1,3-Dichloropropene

Concen: 1.155 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV016980.D

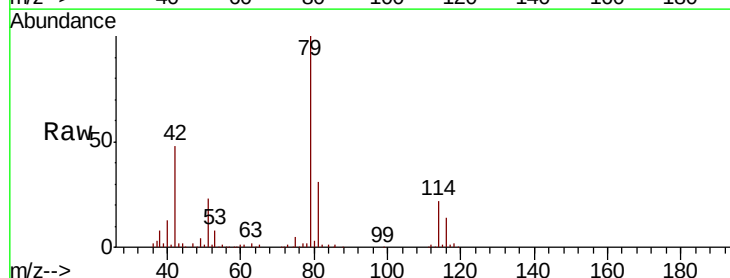
Acq: 18 Jun 2020 15:33

Tgt Ion: 75 Resp: 4623

Ion Ratio Lower Upper

75 100

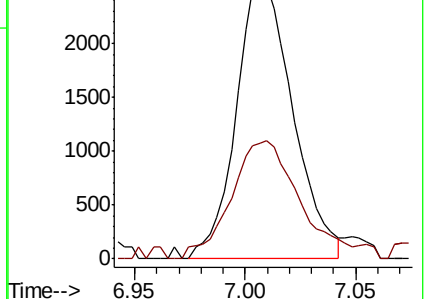
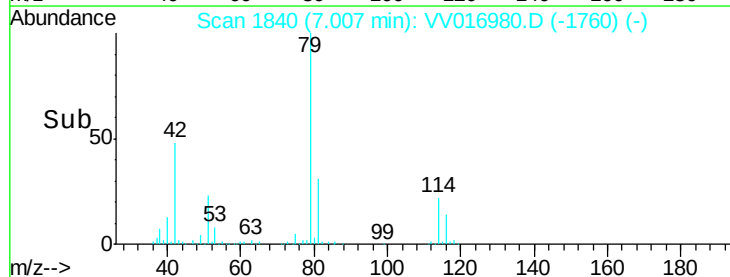
77 41.0 22.7 42.1

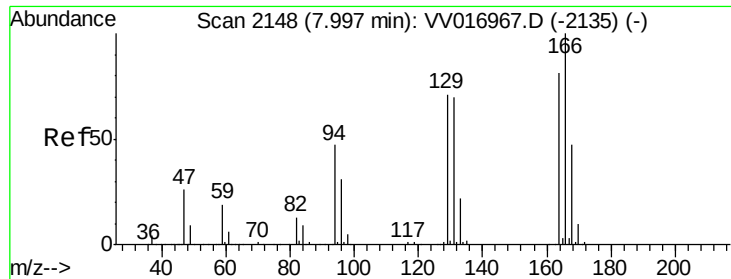


Abundance Ion 75.00 (74.70 to 75.70): VV016967.D (-1830) (-)

Ion 77.00 (76.70 to 77.70): VV016967.D (-1830) (-)

Time-->





#46

Tetrachloroethene

Concen: 48.028 ug/L

RT: 8.00 min Scan# 2148

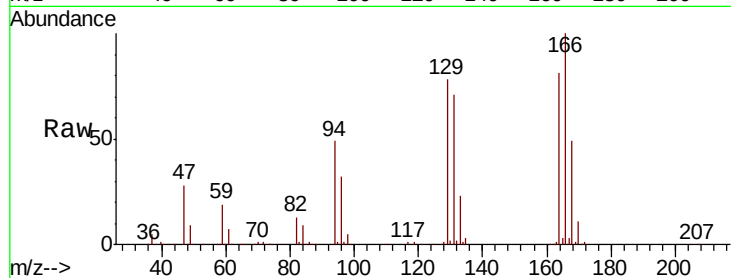
Delta R.T. 0.00 min

Lab File: VV016980.D

Acq: 18 Jun 2020 15:33

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	164	Resp:	100397
Ion	Ratio	Lower	Upper
164	100		
129	96.6	67.0	124.4
131	88.4	64.8	120.3
166	123.9	90.4	167.8

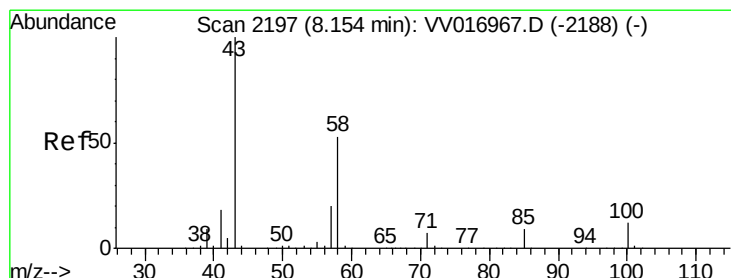
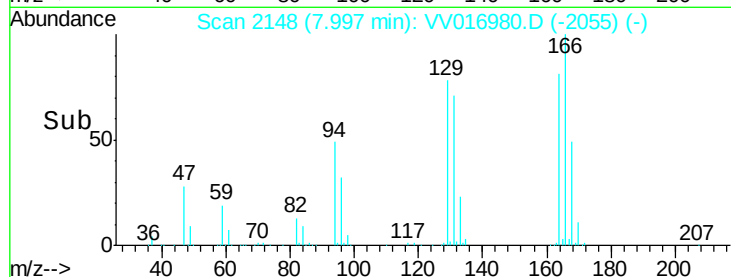
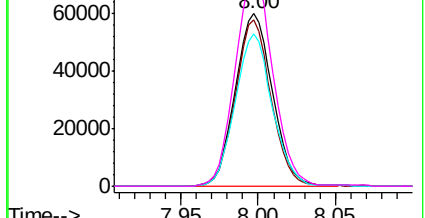


Abundance Ion 164.00 (163.70 to 164.70): V

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: 2.970 ug/L

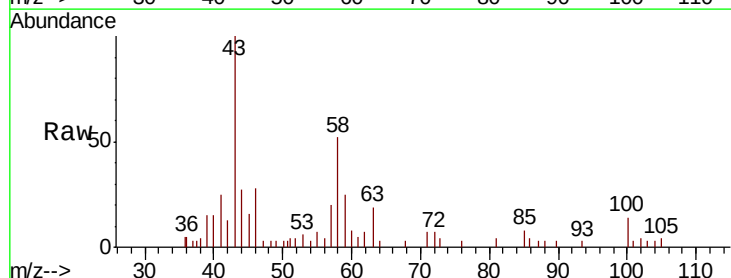
RT: 8.17 min Scan# 2201

Delta R.T. 0.01 min

Lab File: VV016980.D

Acq: 18 Jun 2020 15:33

Tgt Ion:	43	Resp:	8411
Ion	Ratio	Lower	Upper
43	100		
58	40.7	43.1	64.7#
57	16.6	15.3	22.9
100	11.1	10.0	15.0

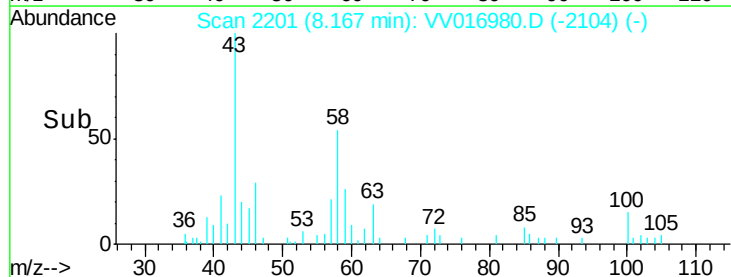
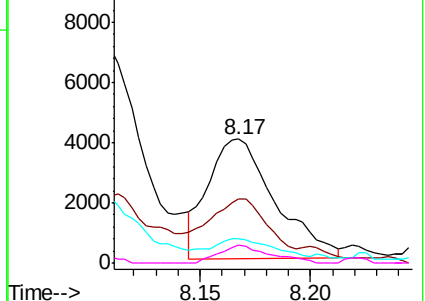


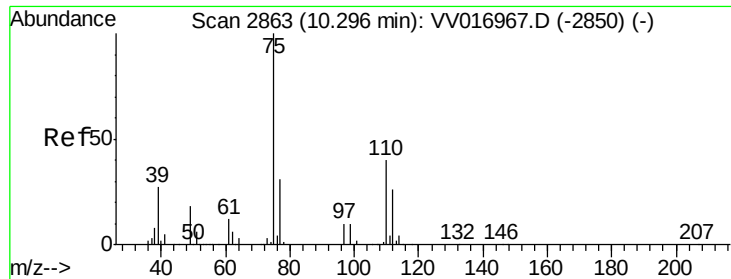
Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 5.881 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.97 min

Lab File: VV016980.D

Acq: 18 Jun 2020 15:33

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 75 Resp: 18805

Ion Ratio Lower Upper

75 100

77 38.6 26.1 39.1

