

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081320\
 Data File : VV017965.D
 Acq On : 13 Aug 2020 12:40
 Operator : SY/MD
 Sample : L3644-07DL 10X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L60DL

Quant Time: Aug 14 04:16:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 14 04:14:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	276469	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	269612	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	129953	50.00	ug/L	0.00

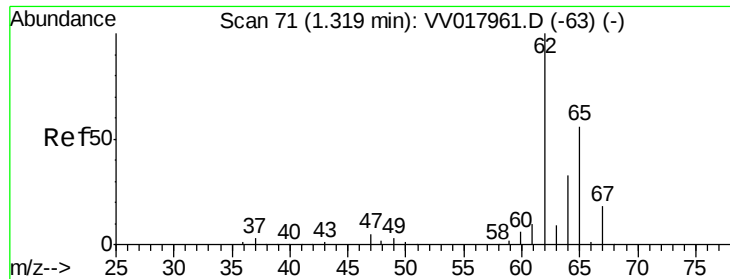
System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	84116	39.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.76%
7) Chloroethane-d5	1.58	69	73262	42.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.90%
11) 1,1-Dichloroethene-d2	2.12	63	130730	32.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.80%
21) 2-Butanone-d5	3.90	46	113571	82.20	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	82.20%
24) Chloroform-d	4.37	84	162052	42.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.40%
26) 1,2-Dichloroethane-d4	5.06	65	111596	44.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.48%
32) Benzene-d6	5.07	84	325910	43.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.72%
36) 1,2-Dichloropropane-d6	6.09	67	106589	43.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.76%
41) Toluene-d8	7.34	98	289413	43.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.62%
43) trans-1,3-Dichloropropene-	7.64	79	45447	41.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.50%
47) 2-Hexanone-d5	8.11	63	57396	73.63	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	73.63%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	129828	41.04	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.08%
64) 1,2-Dichlorobenzene-d4	11.65	152	117608	45.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.96%

Target Compounds

					Ovalue
5) Vinyl chloride	1.32	62	9419	3.834 ug/L #	66
8) Chloroethane	1.32	64	4213	2.687 ug/L	87
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1263	0.645 ug/L #	20
12) 1,1-Dichloroethene	2.13	96	1405	0.758 ug/L #	1
20) cis-1,2-Dichloroethene	3.94	96	73681	35.171 ug/L	99
34) Trichloroethene	5.94	95	189200	85.810 ug/L	99
39) cis-1,3-Dichloropropene	7.01	75	2846	0.883 ug/L #	74
46) Tetrachloroethene	8.00	164	90083	55.709 ug/L	98
48) 2-Hexanone	8.16	43	6627	2.764 ug/L #	75
59) 1,2,3-Trichloropropane	11.27	75	15332	5.457 ug/L	89

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



#5

Vinyl chloride

Concen: 3.834 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV017965.D

Acq: 13 Aug 2020 12:40

Instrument :

MSVOA_V

ClientSampled :

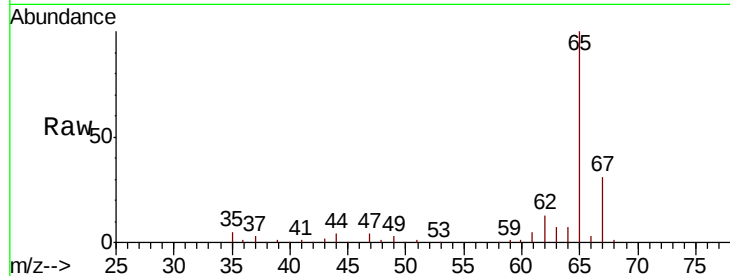
F2L60DL

Tot Ion: 62 Resp: 9419

Ion Ratio Lower Upper

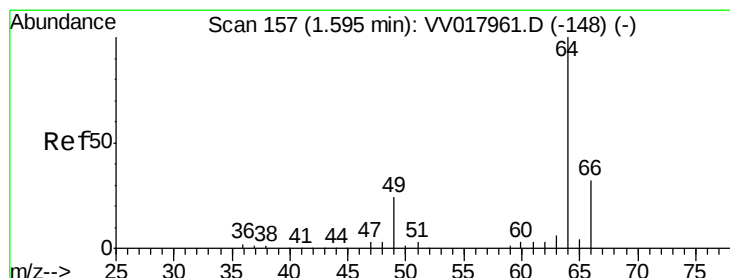
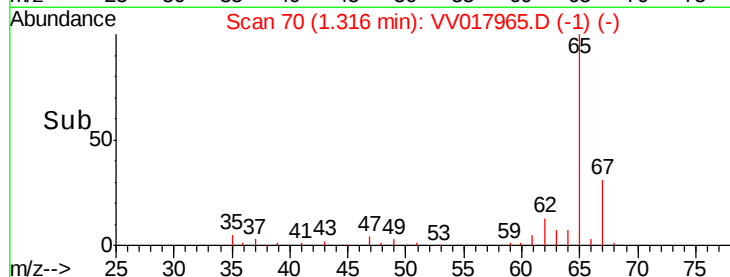
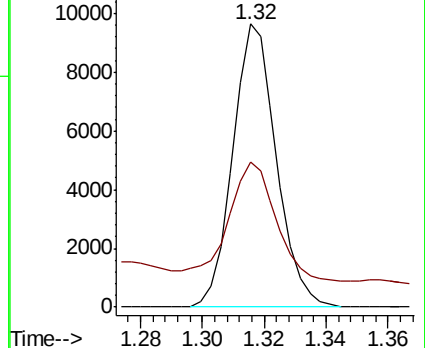
62 100

64 51.1 22.4 41.6#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#8

Chloroethane

Concen: 2.687 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.28 min

Lab File: VV017965.D

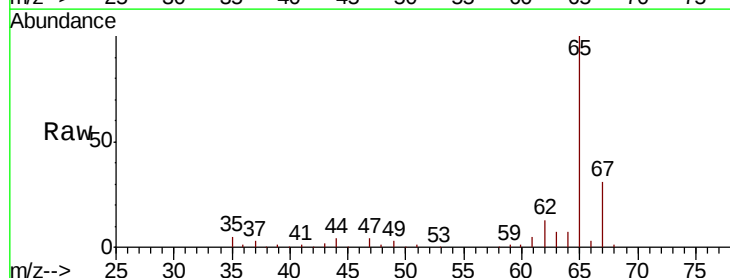
Acq: 13 Aug 2020 12:40

Tgt Ion: 64 Resp: 4213

Ion Ratio Lower Upper

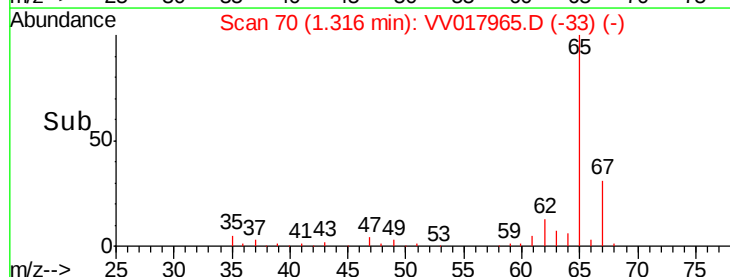
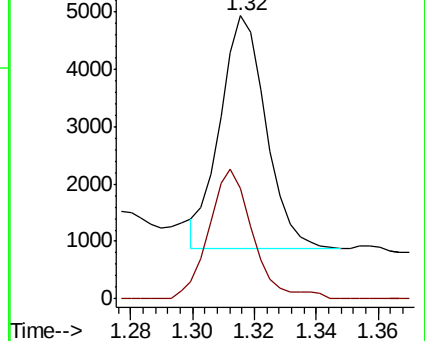
64 100

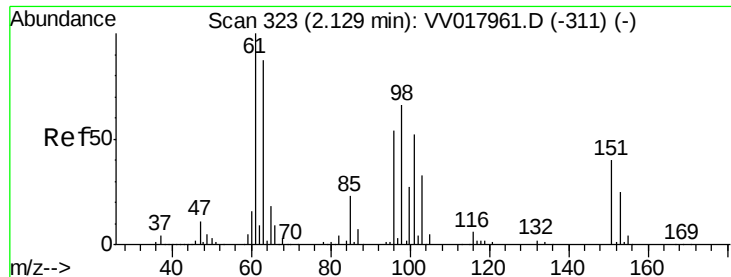
66 39.0 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0





#10

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

Concen: 0.645 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV017965.D

Acq: 13 Aug 2020 12:40

Instrument :

MSVOA_V

ClientSampled :

F2L60DL

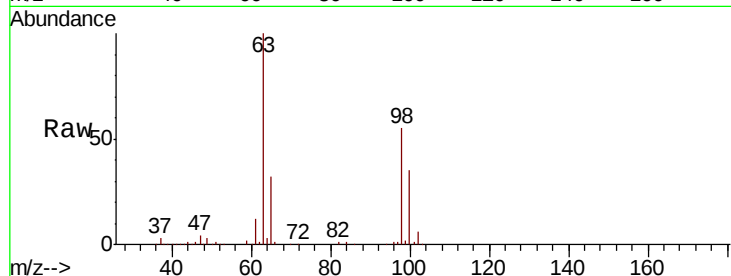
Tot Ion:101 Resp: 1263

Ion Ratio Lower Upper

101 100

85 0.0 34.9 52.3#

151 0.0 59.1 88.7#



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

1000

800

600

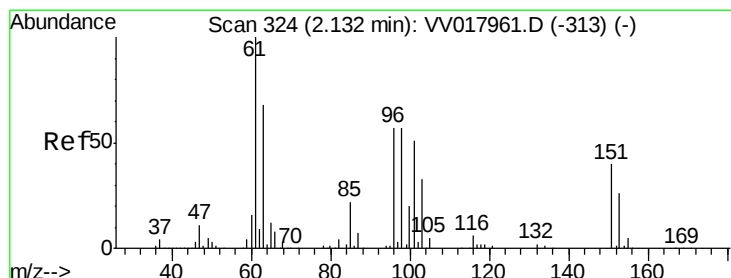
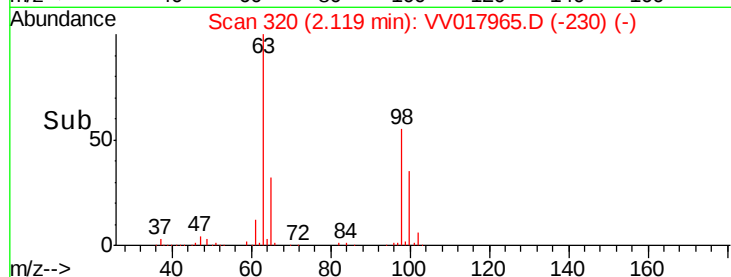
400

200

0

2.08 2.10 2.12 2.14 2.16

Time-->



#12

1,1-Dichloroethene

Concen: 0.758 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017965.D

Acq: 13 Aug 2020 12:40

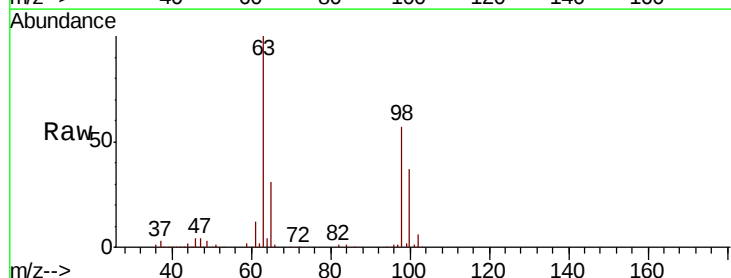
Tgt Ion: 96 Resp: 1405

Ion Ratio Lower Upper

96 100

61 1030.7 127.1 236.0#

63 8558.0 95.2 176.8#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

120000

100000

80000

60000

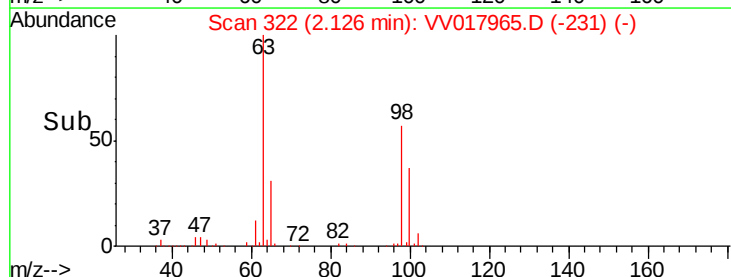
40000

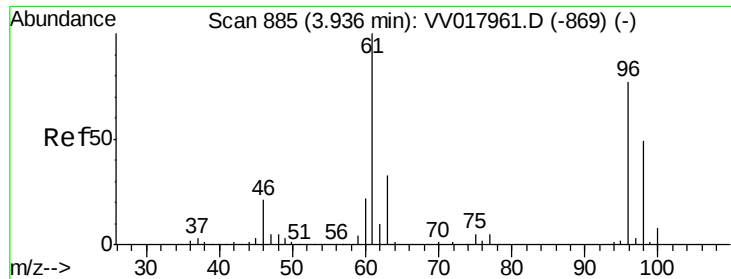
20000

0

2.08 2.10 2.12 2.14 2.16

Time-->

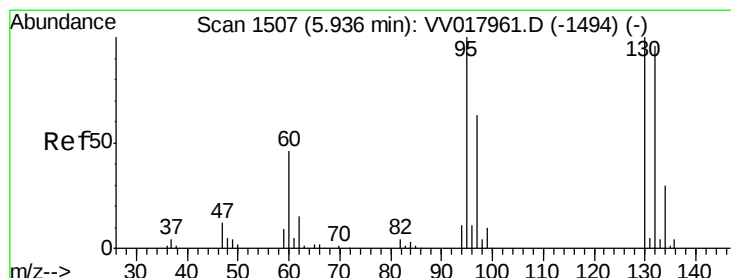
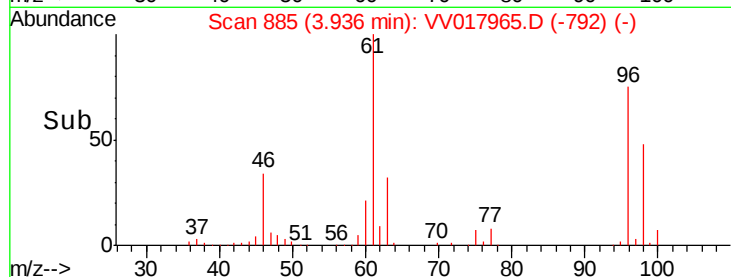
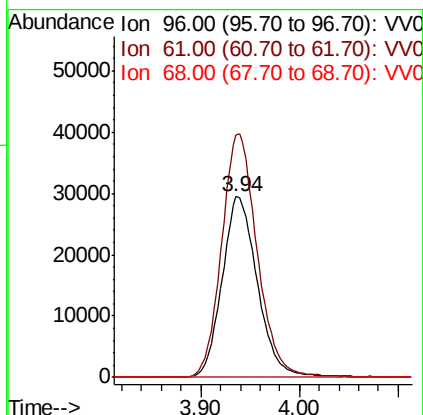
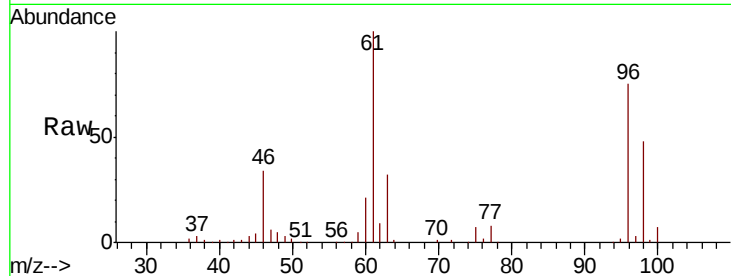




#20
 cis-1,2-Dichloroethene
 Concen: 35.171 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV017965.D
 Acq: 13 Aug 2020 12:40

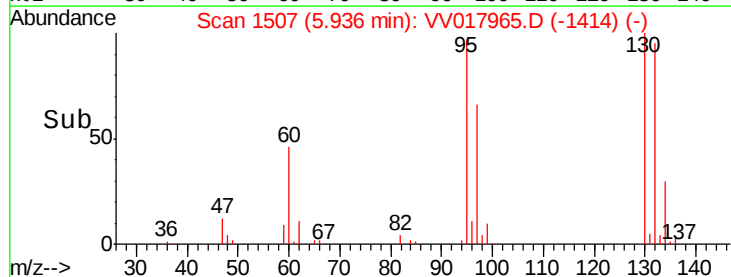
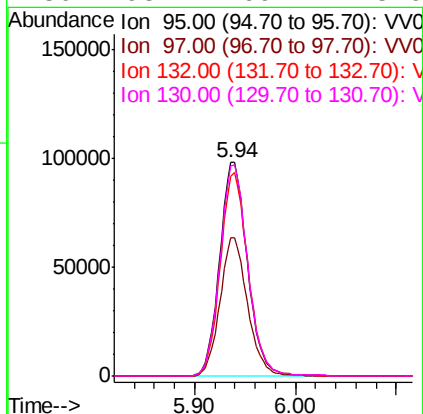
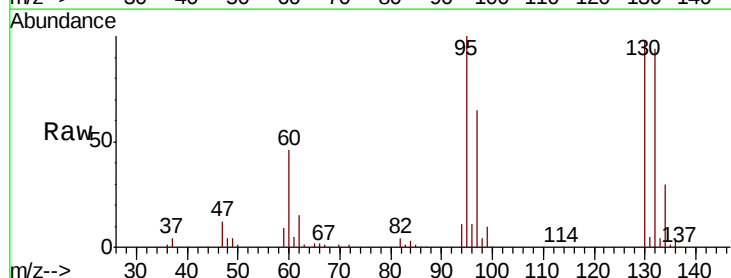
Instrument :
 MSVOA_V
 ClientSampled :
 F2L60DL

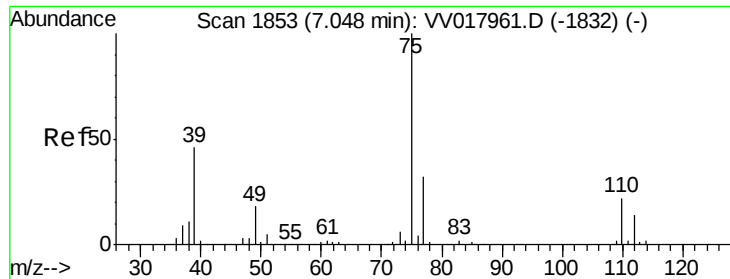
Tot Ion: 96 Resp: 73681
 Ion Ratio Lower Upper
 96 100
 61 134.2 95.0 176.4
 68 0.0 0.0 0.0



#34
 Trichloroethene
 Concen: 85.810 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV017965.D
 Acq: 13 Aug 2020 12:40

Tgt Ion: 95 Resp: 189200
 Ion Ratio Lower Upper
 95 100
 97 64.6 46.0 85.4
 132 93.5 65.8 122.2
 130 98.2 69.2 128.6

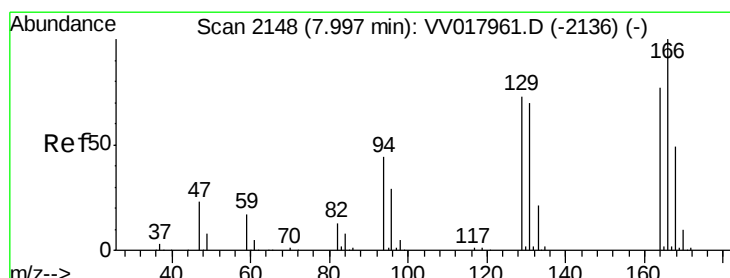
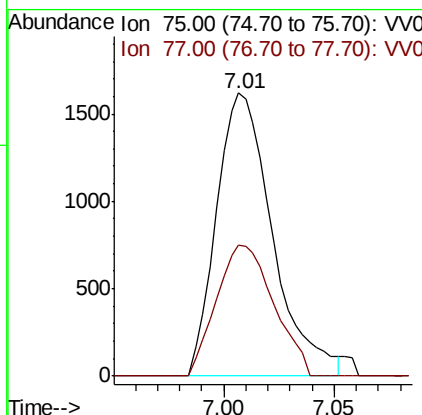
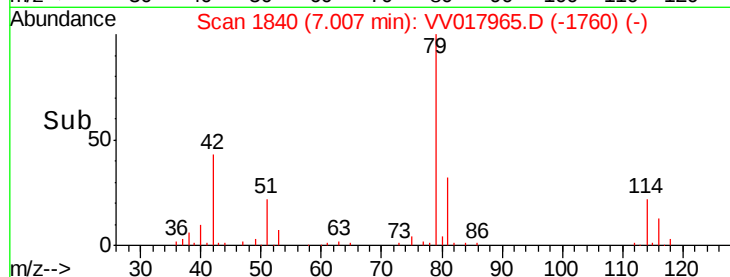
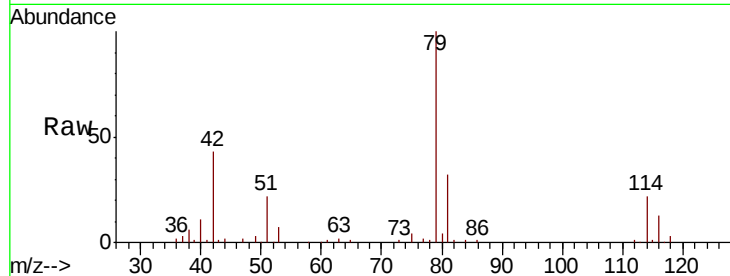




#39
 cis-1,3-Dichloropropene
 Concen: 0.883 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV017965.D
 Acq: 13 Aug 2020 12:40

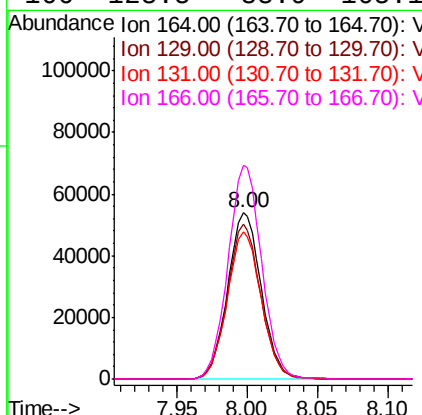
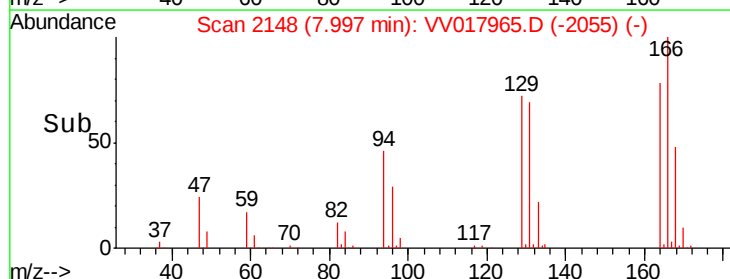
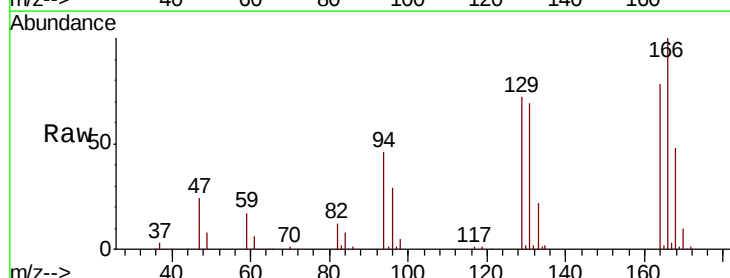
Instrument :
 MSVOA_V
 ClientSampleId :
 F2L60DL

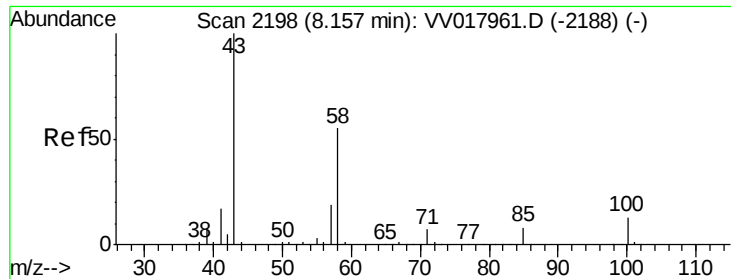
Tot Ion: 75 Resp: 2846
 Ion Ratio Lower Upper
 75 100
 77 46.1 22.3 41.5#



#46
 Tetrachloroethene
 Concen: 55.709 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV017965.D
 Acq: 13 Aug 2020 12:40

Tgt Ion:164 Resp: 90083
 Ion Ratio Lower Upper
 164 100
 129 93.0 64.8 120.3
 131 88.3 64.5 119.9
 166 128.5 88.9 165.1

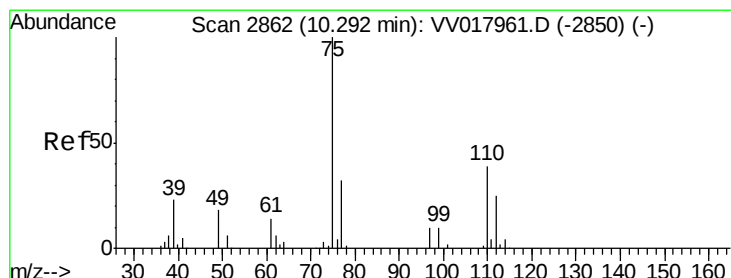
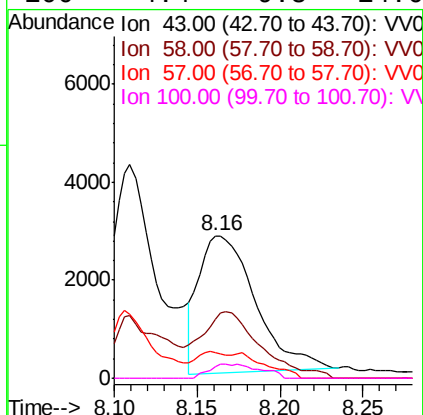
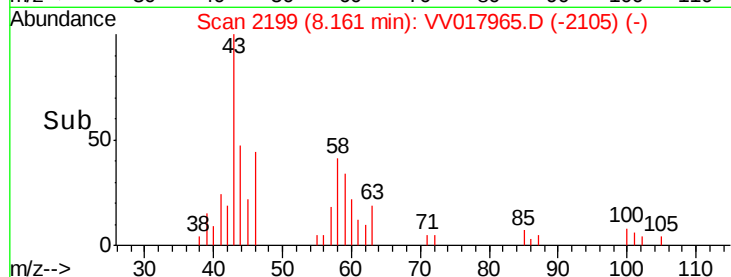
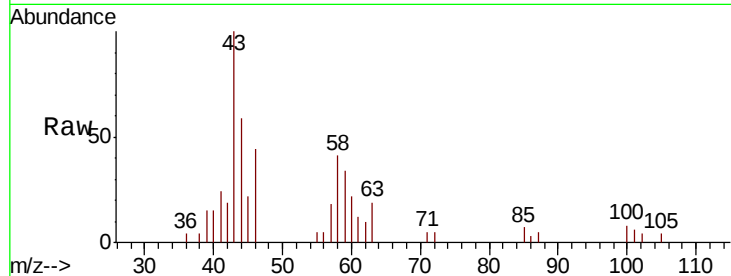




#48
2-Hexanone
Concen: 2.764 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VV017965.D
Acq: 13 Aug 2020 12:40

Instrument :
MSVOA_V
ClientSampleId :
F2L60DL

Tot Ion: 43 Resp: 6627
Ion Ratio Lower Upper
43 100
58 38.5 44.4 66.6#
57 3.7 15.2 22.8#
100 4.4 9.8 14.6#



#59
1,2,3-Trichloropropane
Concen: 5.457 ug/L
RT: 11.27 min Scan# 3166
Delta R.T. 0.98 min
Lab File: VV017965.D
Acq: 13 Aug 2020 12:40

Tgt Ion: 75 Resp: 15332
Ion Ratio Lower Upper
75 100
77 38.1 25.7 38.5

