

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV111918\
 Data File : VV008655.D
 Acq On : 19 Nov 2018 17:22
 Operator : SY/MD
 Sample : J5995-11
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H0FM2

Quant Time: Nov 20 07:00:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 20 06:56:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	158293	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	144215	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	64760	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	29127	4.14	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.80%
7) Chloroethane-d5	1.58	69	25287	4.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.40%
11) 1,1-Dichloroethene-d2	2.13	63	44460	3.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.40%
20) 2-Butanone-d5	3.97	46	111249	44.22	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.44%
24) Chloroform-d	4.41	84	84122	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
26) 1,2-Dichloroethane-d4	5.09	65	44360	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.60%
32) Benzene-d6	5.10	84	166043	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
36) 1,2-Dichloropropane-d6	6.12	67	54199	4.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.40%
41) Toluene-d8	7.36	98	150847	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.40%
43) trans-1,3-Dichloropropene-	7.67	79	17336	3.75	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.00%
46) 2-Hexanone-d5	8.14	63	87379	41.69	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.38%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	37121	4.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	52898	4.52	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.40%

Target Compounds

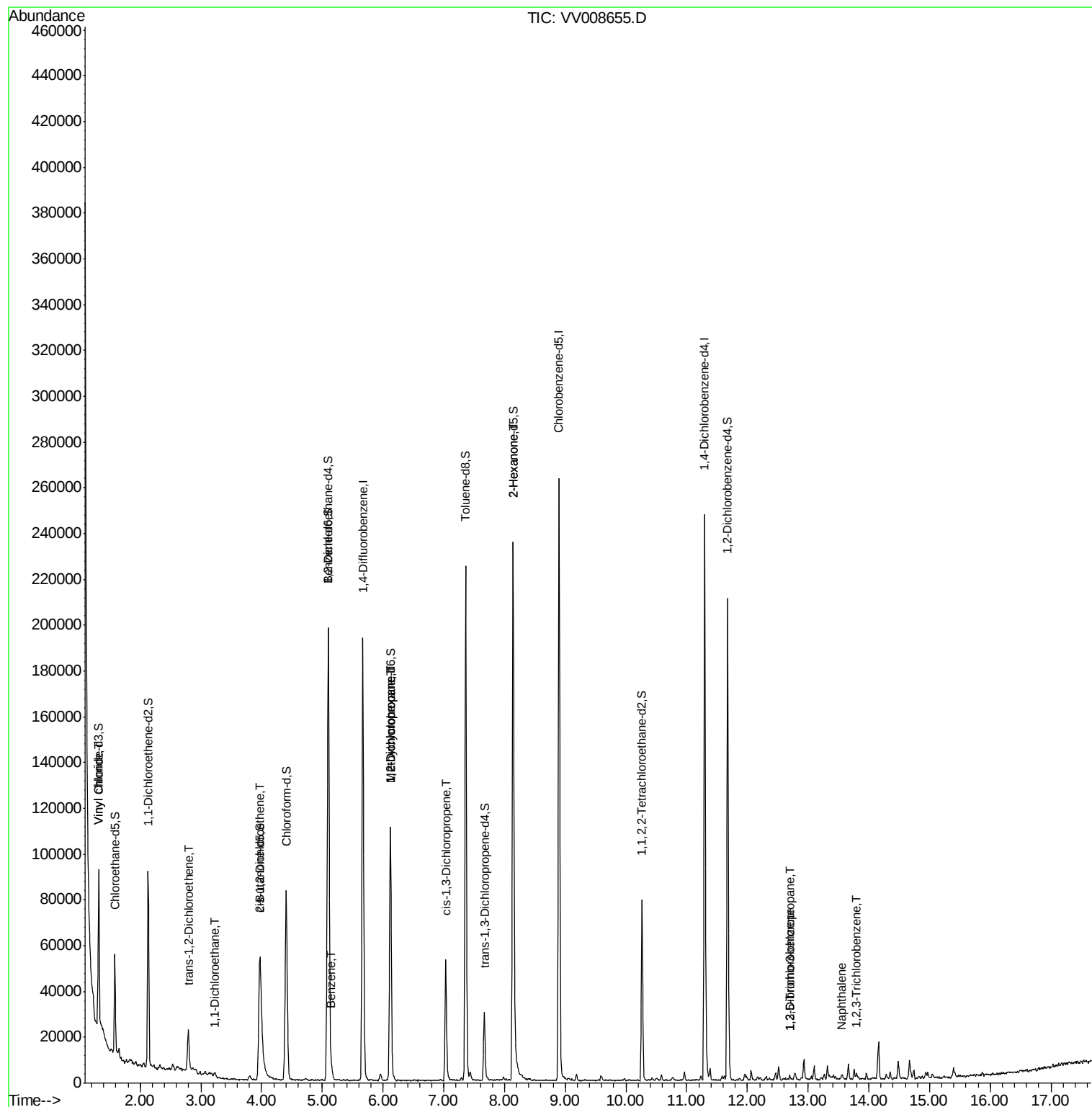
					Qvalue
5) Vinyl chloride	1.32	62	11457	1.144 ug/L	93
18) trans-1,2-Dichloroethene	2.79	96	5742	0.721 ug/L	88
19) 1,1-Dichloroethane	3.23	63	1810	0.090 ug/L #	84
22) cis-1,2-Dichloroethene	3.96	96	4767	0.396 ug/L	95
33) Benzene	5.15	78	4246	0.093 ug/L	100
35) Methylcyclohexane	6.12	83	13146	0.642 ug/L #	16
37) 1,2-Dichloropropane	6.12	63	5803	0.483 ug/L #	89
39) cis-1,3-Dichloropropene	7.03	75	1368	0.085 ug/L	95
48) 2-Hexanone	8.14	43	11066	2.331 ug/L #	70
66) 1,2-Dibromo-3-chloropropan	12.69	75	107	0.083 ug/L #	11
67) 1,3,5-Trichlorobenzene	12.70	180	717	0.047 ug/L #	72
69) Naphthalene	13.56	128	2240	0.112 ug/L #	94
70) 1,2,3-Trichlorobenzene	13.80	180	876	0.077 ug/L #	92

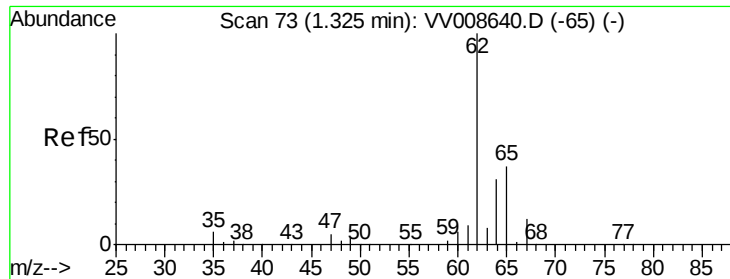
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.144 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV008655.D

Acq: 19 Nov 2018 17:22

Instrument :

MSVOA_V

ClientSampleId :

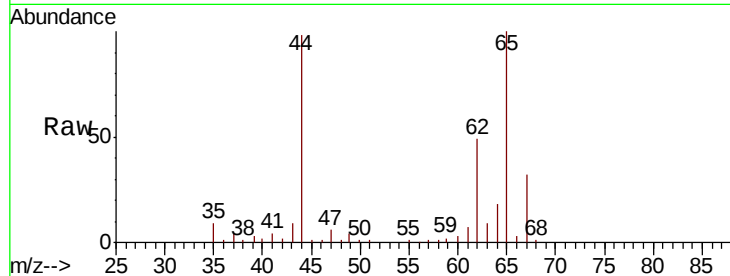
H0FM2

Tgt Ion: 62 Resp: 11457

Ion Ratio Lower Upper

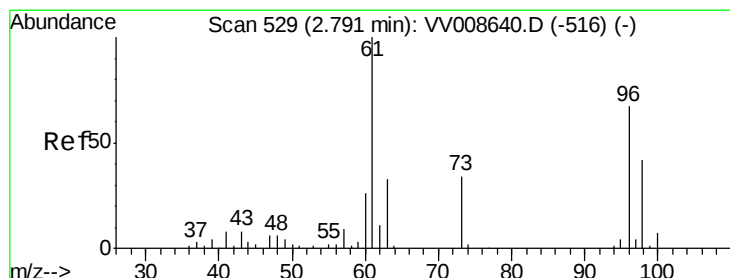
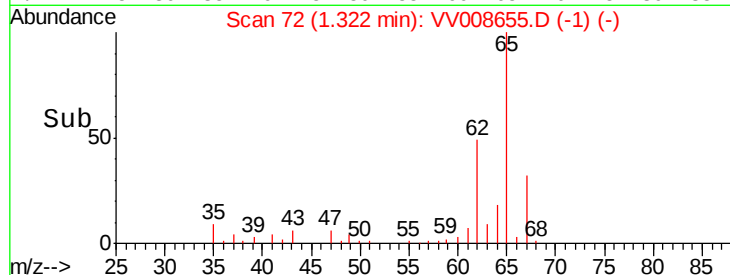
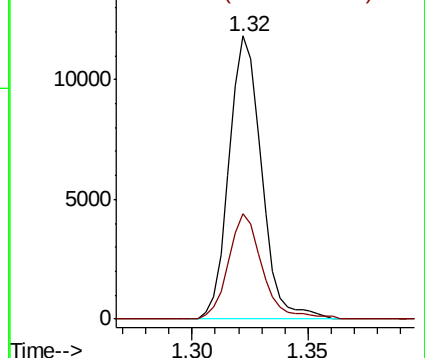
62 100

64 37.3 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 0.721 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV008655.D

Acq: 19 Nov 2018 17:22

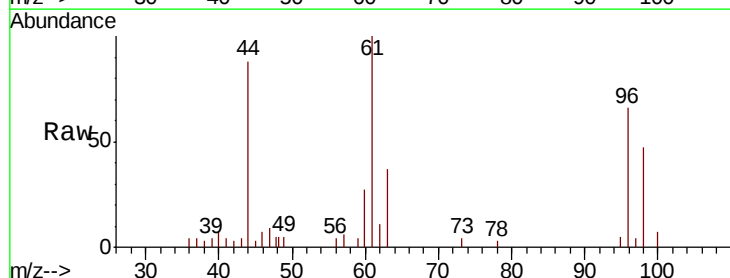
Tgt Ion: 96 Resp: 5742

Ion Ratio Lower Upper

96 100

61 151.8 97.1 180.3

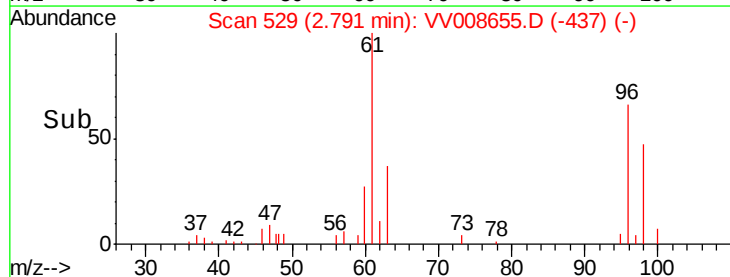
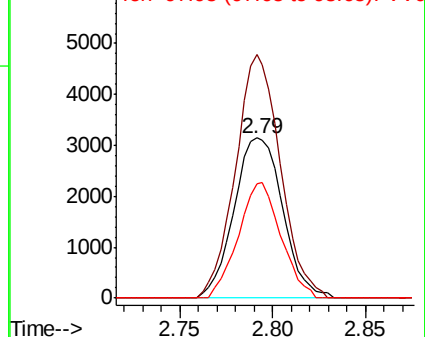
98 71.3 41.9 77.7

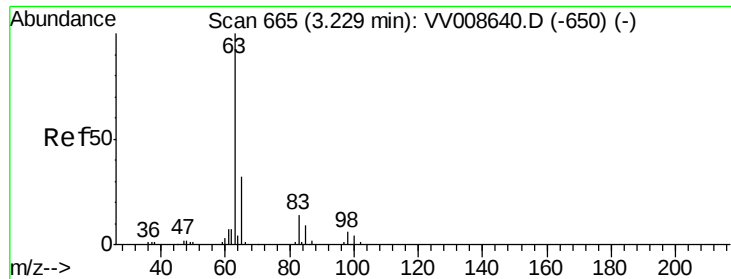


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

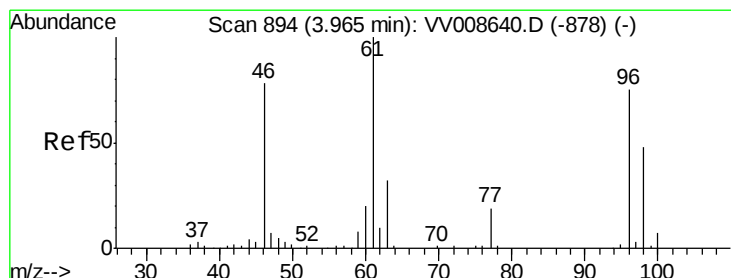
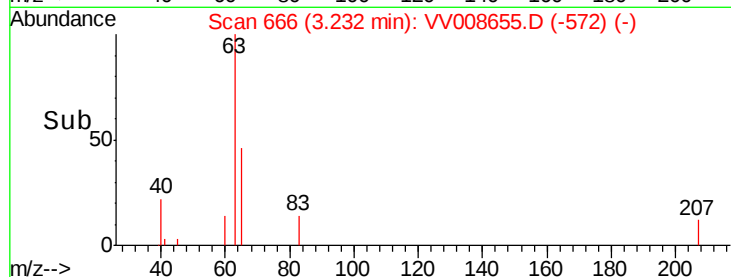
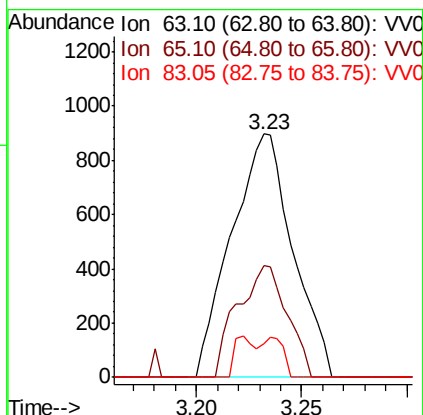
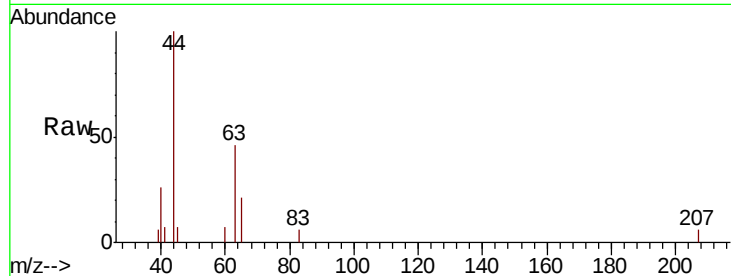




#19
 1,1-Dichloroethane
 Concen: 0.090 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV008655.D
 Acq: 19 Nov 2018 17:22

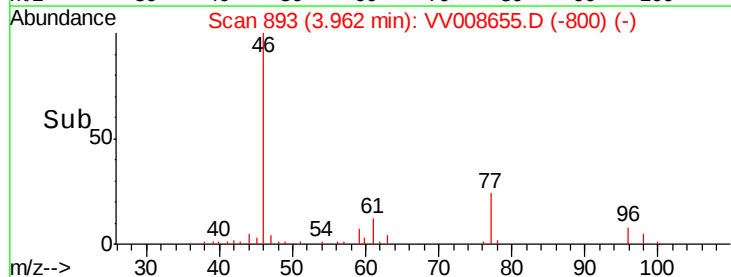
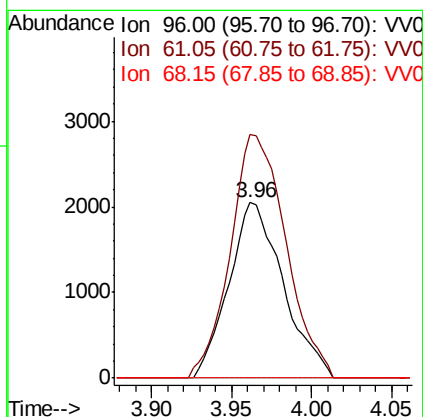
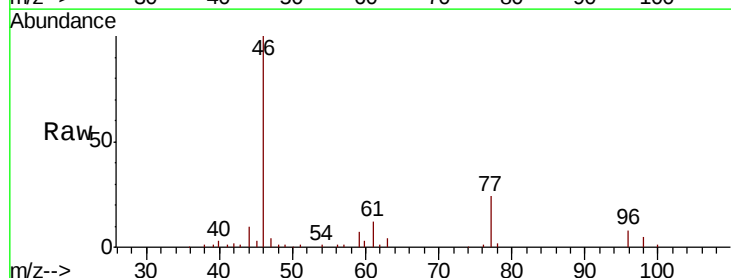
Instrument :
 MSVOA_V
 ClientSampleId :
 H0FM2

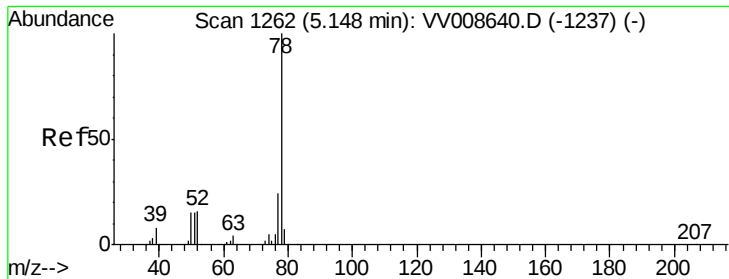
Tgt Ion: 63 Resp: 1810
 Ion Ratio Lower Upper
 63 100
 65 45.8 23.2 43.0#
 83 13.7 9.5 17.7



#22
 cis-1,2-Dichloroethene
 Concen: 0.396 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV008655.D
 Acq: 19 Nov 2018 17:22

Tgt Ion: 96 Resp: 4767
 Ion Ratio Lower Upper
 96 100
 61 138.7 93.2 173.2
 68 0.0 0.0 0.0

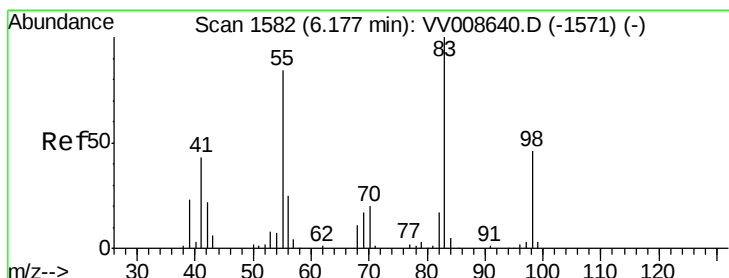
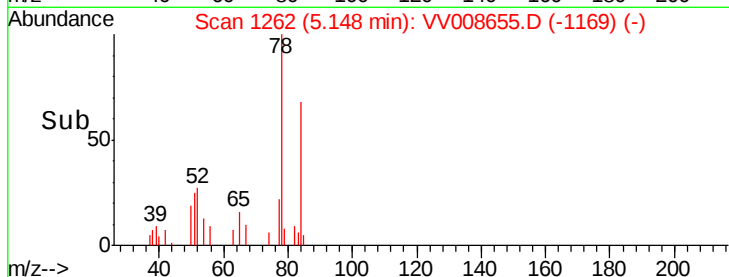
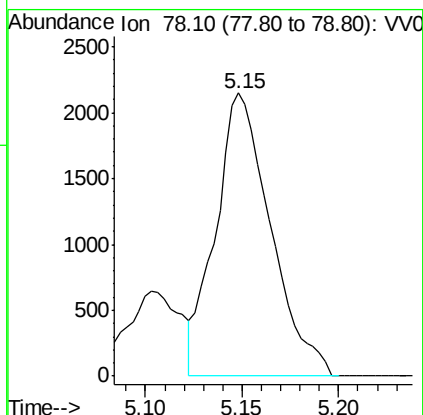
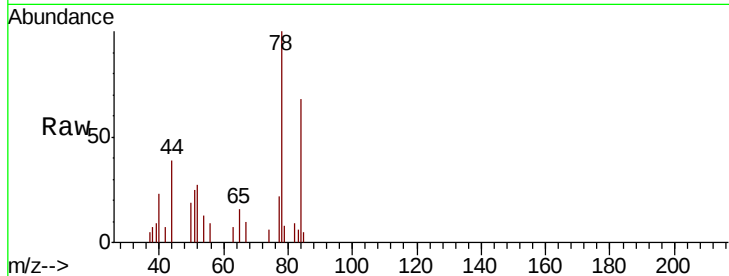




#33
Benzene
Concen: 0.093 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV008655.D
Acq: 19 Nov 2018 17:22

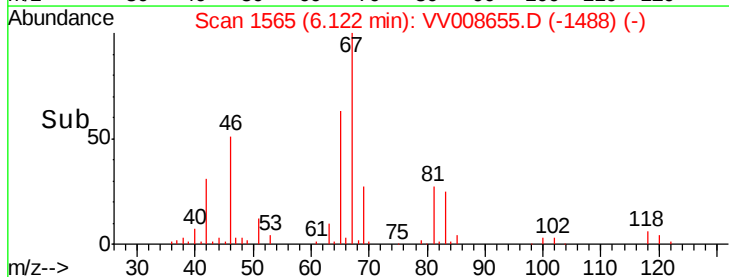
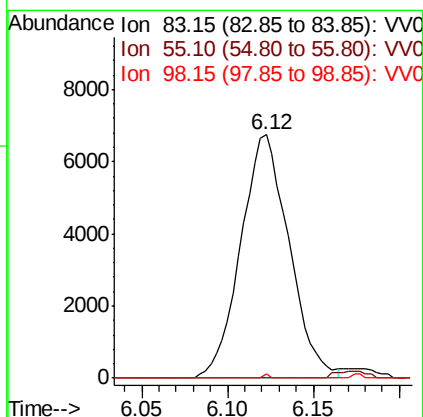
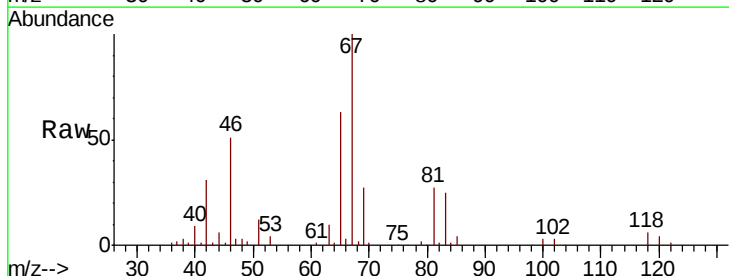
Instrument :
MSVOA_V
ClientSampleId :
H0FM2

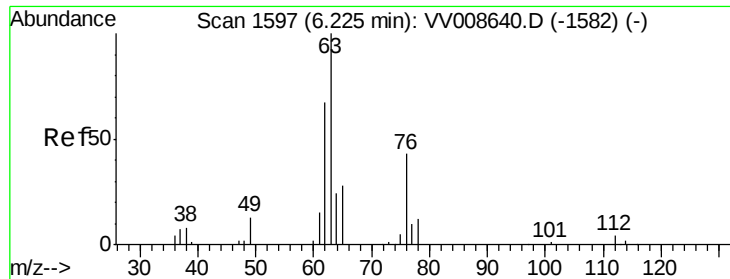
Tgt Ion: 78 Resp: 4246



#35
Methylcyclohexane
Concen: 0.642 ug/L
RT: 6.12 min Scan# 1565
Delta R.T. -0.05 min
Lab File: VV008655.D
Acq: 19 Nov 2018 17:22

Tgt Ion: 83 Resp: 13146
Ion Ratio Lower Upper
83 100
55 0.0 65.6 98.4#
98 0.2 36.4 54.6#





#37

1,2-Dichloropropane

Concen: 0.483 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.10 min

Lab File: VV008655.D

Acq: 19 Nov 2018 17:22

Instrument :

MSVOA_V

ClientSampleId :

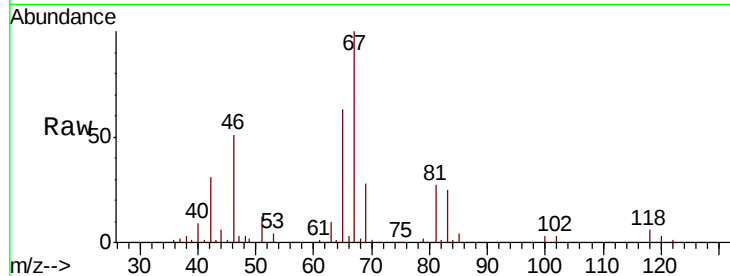
H0FM2

Tgt Ion: 63 Resp: 5803

Ion Ratio Lower Upper

63 100

112 0.0 2.8 4.2#



Abundance Ion 63.10 (62.80 to 63.80): VV008640.D (-1582) (-)

Ion 112.10 (111.80 to 112.80): VV008640.D (-1582) (-)

6.12

3000

2500

2000

1500

1000

500

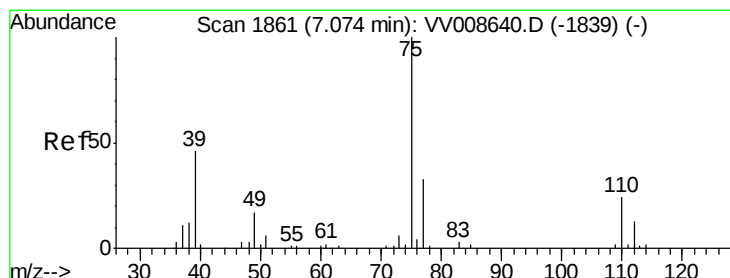
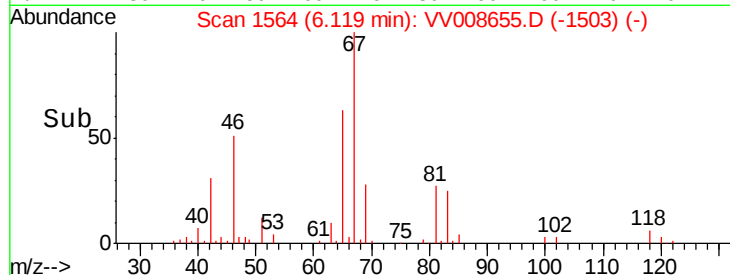
0

6.05

6.10

6.15

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.085 ug/L

RT: 7.03 min Scan# 1847

Delta R.T. -0.04 min

Lab File: VV008655.D

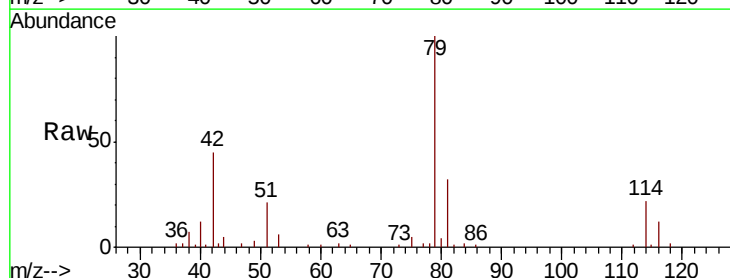
Acq: 19 Nov 2018 17:22

Tgt Ion: 75 Resp: 1368

Ion Ratio Lower Upper

75 100

77 35.9 23.0 42.8



Abundance Ion 75.05 (74.75 to 75.75): VV008640.D (-1839) (-)

Ion 77.05 (76.75 to 77.75): VV008640.D (-1839) (-)

7.03

1000

800

600

400

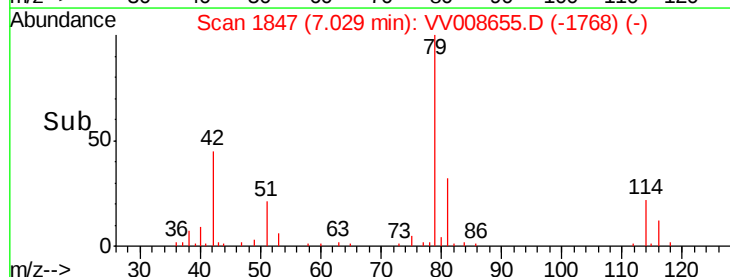
200

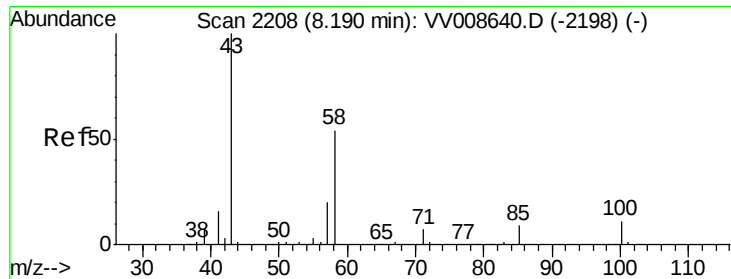
0

7.00

7.05

Time-->

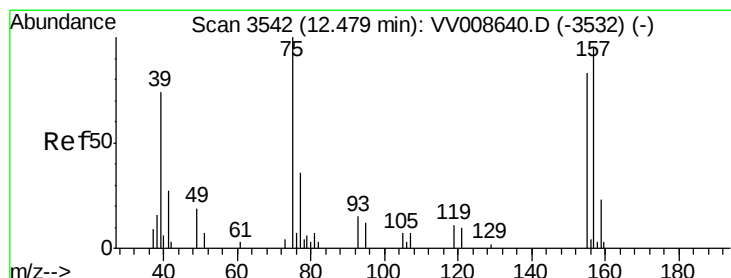
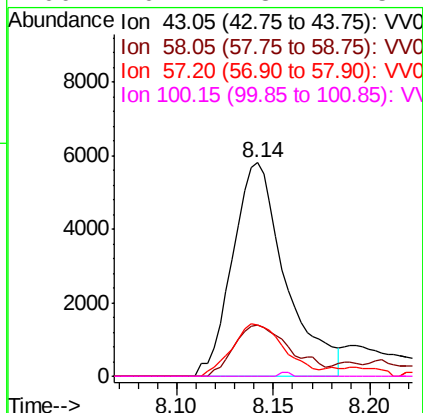
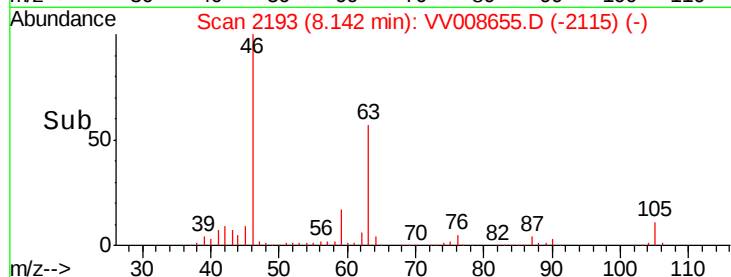
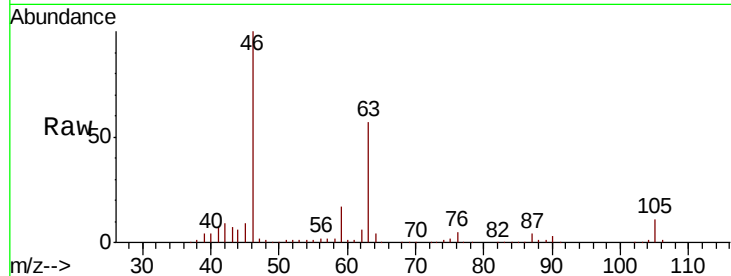




#48
2-Hexanone
Concen: 2.331 ug/L
RT: 8.14 min Scan# 2193
Delta R.T. -0.05 min
Lab File: VV008655.D
Acq: 19 Nov 2018 17:22

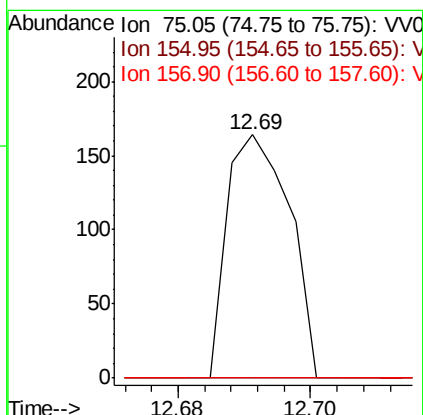
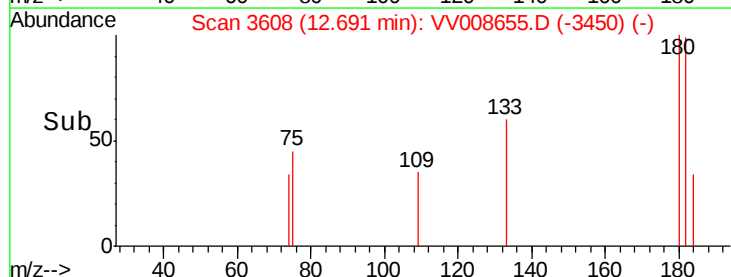
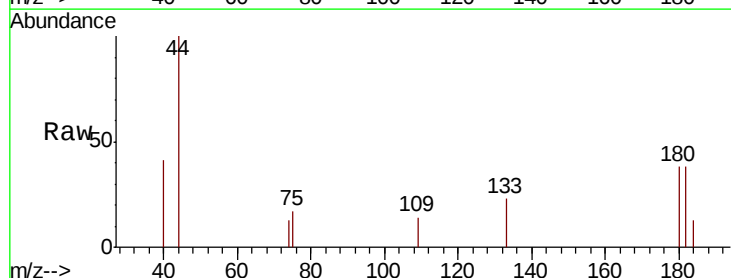
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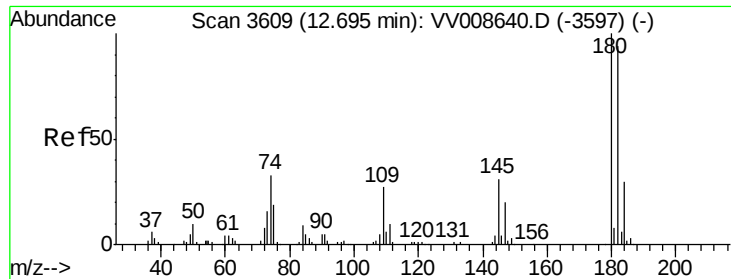
Tgt Ion: 43 Resp: 11066
Ion Ratio Lower Upper
43 100
58 25.8 41.8 62.8#
57 24.2 15.4 23.0#
100 0.4 8.7 13.1#



#66
1,2-Dibromo-3-chloropropane
Concen: 0.083 ug/L
RT: 12.69 min Scan# 3608
Delta R.T. 0.21 min
Lab File: VV008655.D
Acq: 19 Nov 2018 17:22

Tgt Ion: 75 Resp: 107
Ion Ratio Lower Upper
75 100
155 0.0 54.2 81.2#
157 0.0 67.4 101.2#

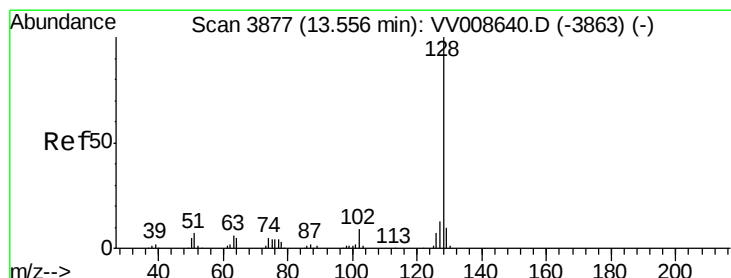
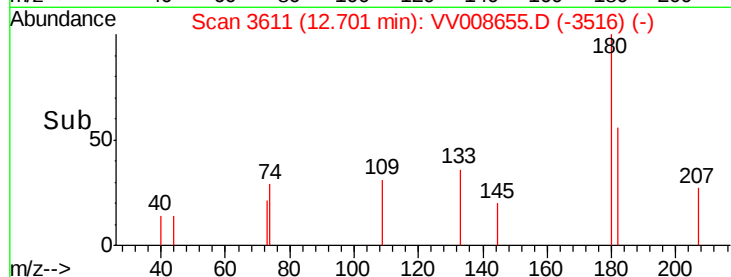
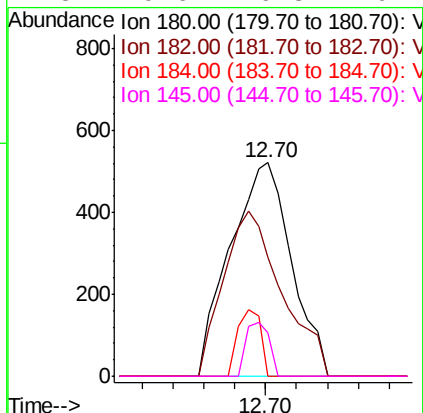
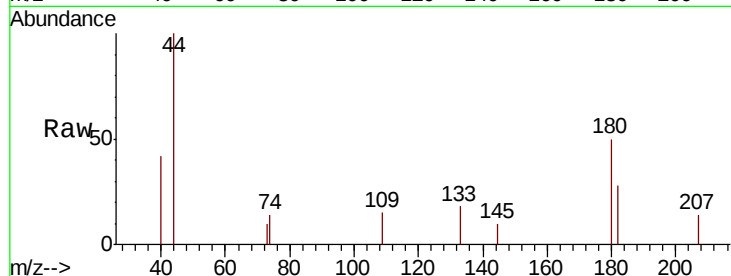




#67
 1,3,5-Trichlorobenzene
 Concen: 0.047 ug/L
 RT: 12.70 min Scan# 3611
 Delta R.T. 0.01 min
 Lab File: VV008655.D
 Acq: 19 Nov 2018 17:22

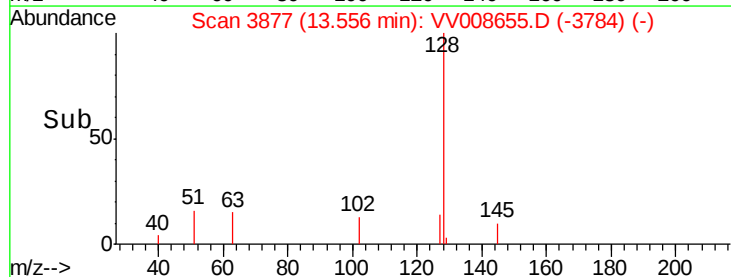
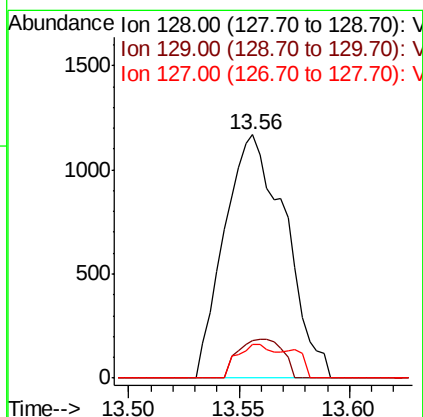
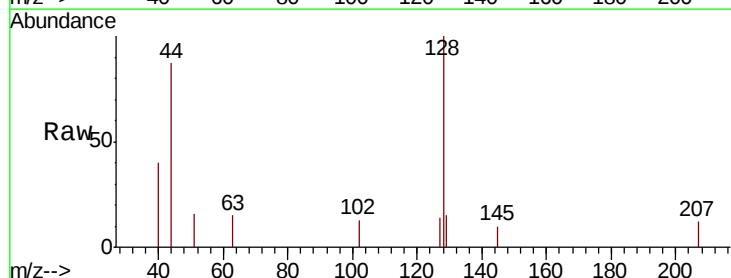
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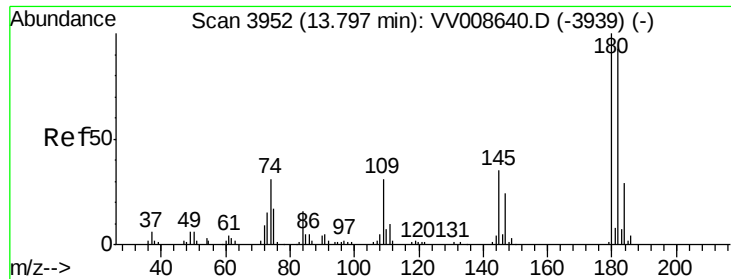
Tgt Ion:180 Resp: 717
 Ion Ratio Lower Upper
 180 100
 182 73.9 75.9 113.9#
 184 11.6 23.9 35.9#
 145 9.6 26.8 40.2#



#69
 Naphthalene
 Concen: 0.112 ug/L
 RT: 13.56 min Scan# 3877
 Delta R.T. 0.00 min
 Lab File: VV008655.D
 Acq: 19 Nov 2018 17:22

Tgt Ion:128 Resp: 2240
 Ion Ratio Lower Upper
 128 100
 129 11.7 8.8 13.2
 127 9.1 10.0 15.0#





#70
 1,2,3-Trichlorobenzene
 Concen: 0.077 ug/L
 RT: 13.80 min Scan# 3952
 Delta R.T. 0.00 min
 Lab File: VV008655.D
 Acq: 19 Nov 2018 17:22

Instrument :
 MSVOA_V
 ClientSampleId :
 H0FM2

Tgt Ion:180 Resp: 876
 Ion Ratio Lower Upper
 180 100
 182 94.3 76.0 114.0
 145 52.1 28.2 42.2#

