

Data File : VV013659.D
Acq On : 18 Nov 2019 15:24
Operator : SY/MD
Sample : K5910-01
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAQH6

Quant Time: Nov 19 04:29:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 19 04:25:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	338361	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	335692	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	147707	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	104126	4.98	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.60%
7) Chloroethane-d5	1.58	69	98467	5.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.60%
11) 1,1-Dichloroethene-d2	2.13	63	142535	3.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.00%
20) 2-Butanone-d5	3.92	46	253350	52.42	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.84%
24) Chloroform-d	4.39	84	232878	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
26) 1,2-Dichloroethane-d4	5.08	65	116673	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.00%
32) Benzene-d6	5.09	84	450269	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
36) 1,2-Dichloropropane-d6	6.11	67	141639	5.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.40%
41) Toluene-d8	7.35	98	395812	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
43) trans-1,3-Dichloropropene-	7.66	79	49360	4.64	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.80%
46) 2-Hexanone-d5	8.13	63	182041	45.20	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.40%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	91892	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	154433	5.43	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.60%

Target Compounds

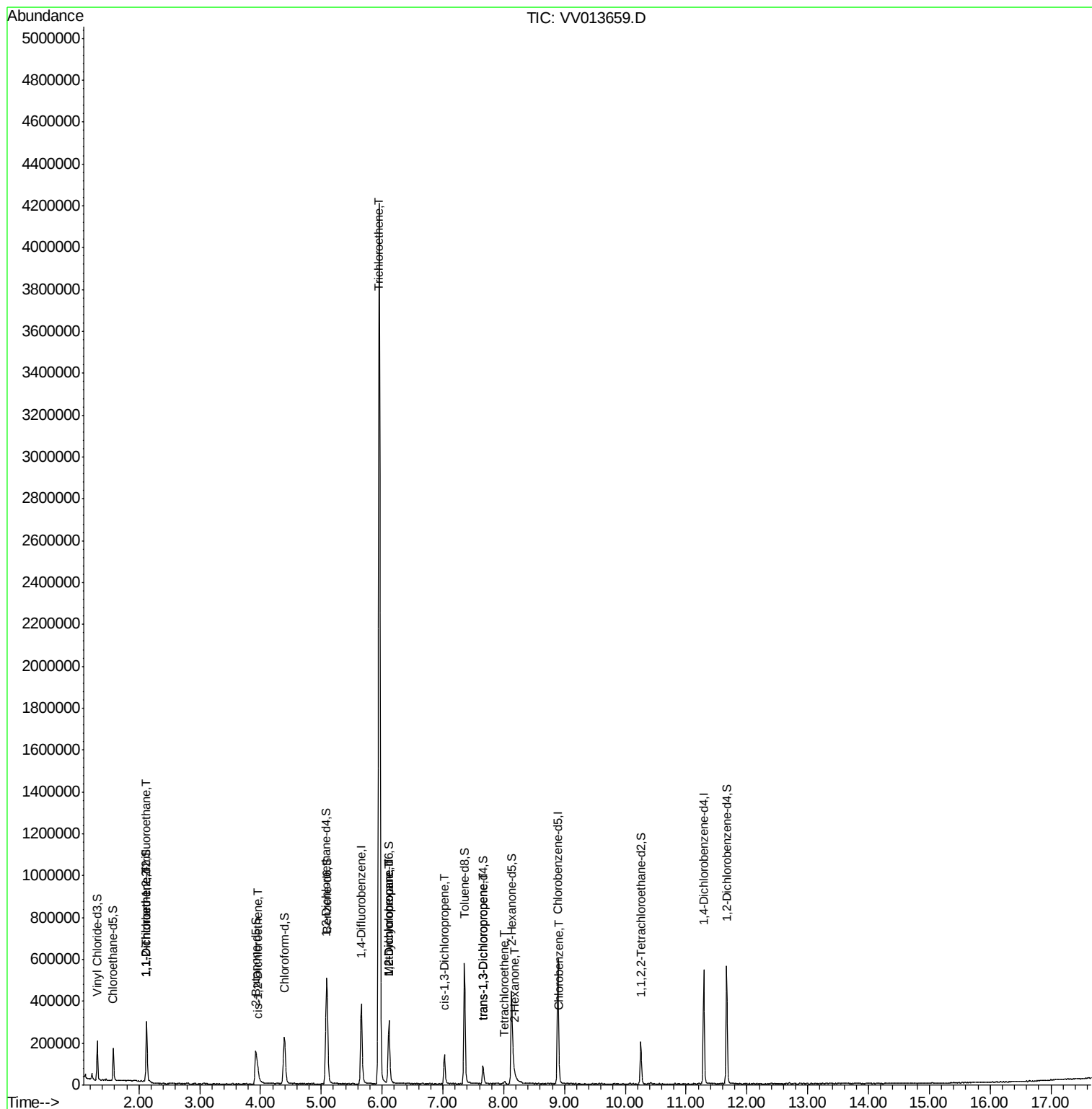
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1672	0.080	ug/L #	22
12) 1,1-Dichloroethene	2.14	96	4807	0.238	ug/L #	1
22) cis-1,2-Dichloroethene	3.96	96	21025	0.813	ug/L #	95
34) Trichloroethene	5.95	95	1442748	53.050	ug/L	100
35) Methylcyclohexane	6.11	83	35310	0.851	ug/L #	17
37) 1,2-Dichloropropane	6.11	63	15603	0.641	ug/L #	87
39) cis-1,3-Dichloropropene	7.03	75	3225	0.092	ug/L #	67
44) trans-1,3-Dichloropropene	7.66	75	2119	0.077	ug/L	96
47) Tetrachloroethene	8.01	164	2548	0.101	ug/L	78
48) 2-Hexanone	8.18	43	11137	1.109	ug/L #	78
51) Chlorobenzene	8.92	112	5900	0.082	ug/L	95

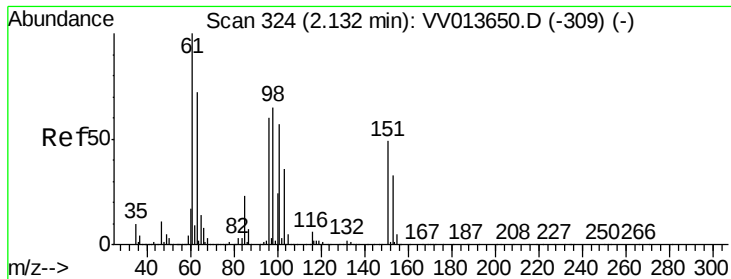
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.080 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV013659.D

Acq: 18 Nov 2019 15:24

Instrument :

MSVOA_V

ClientSampleId :

GAQH6

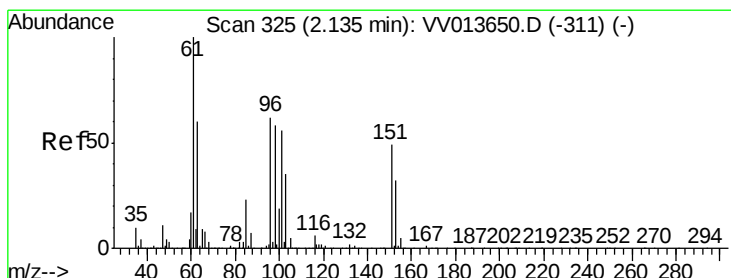
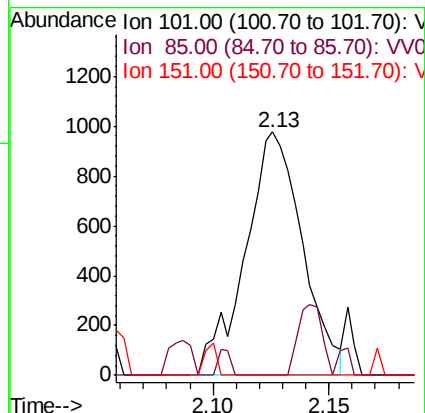
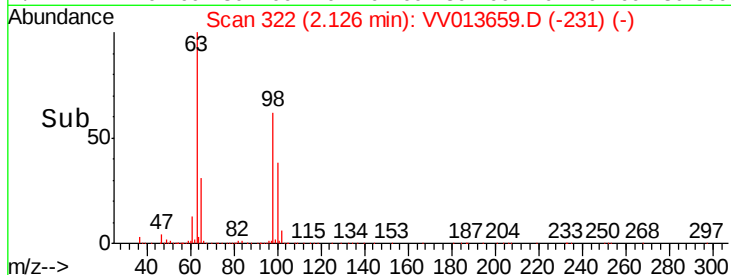
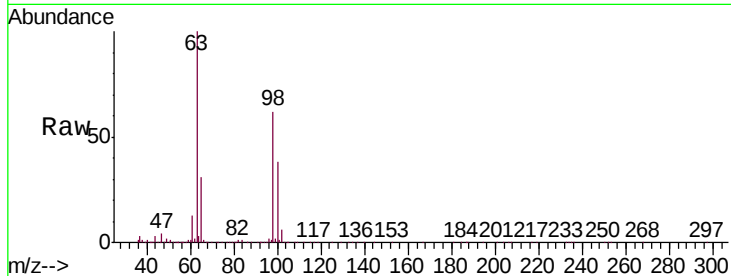
Tgt Ion:101 Resp: 1672

Ion Ratio Lower Upper

101 100

85 12.3 32.0 48.0#

151 0.0 69.0 103.6#



#12

1,1-Dichloroethene

Concen: 0.238 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV013659.D

Acq: 18 Nov 2019 15:24

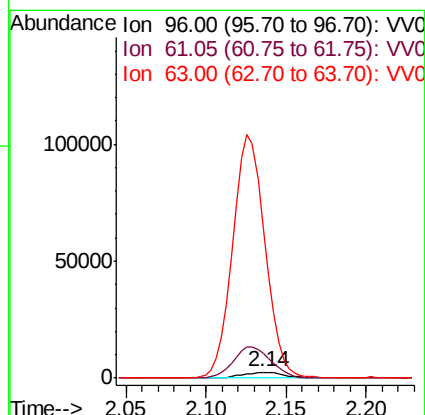
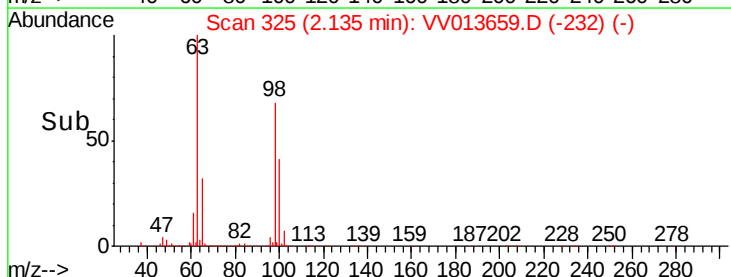
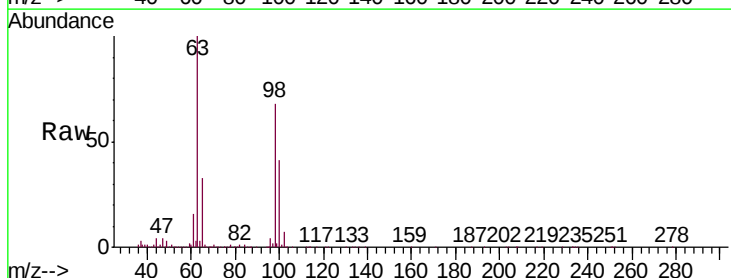
Tgt Ion: 96 Resp: 4807

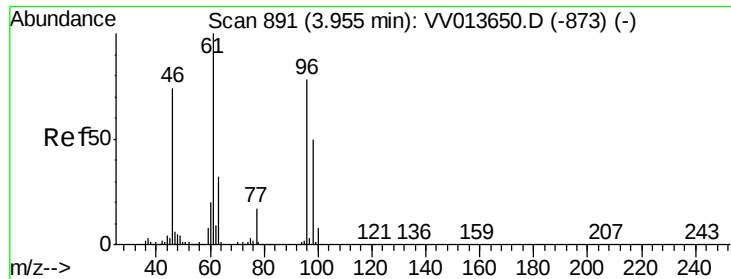
Ion Ratio Lower Upper

96 100

61 414.9 112.5 208.9#

63 2572.6 76.9 142.7#



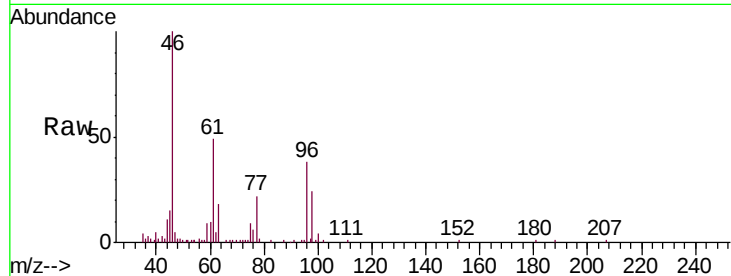


#22

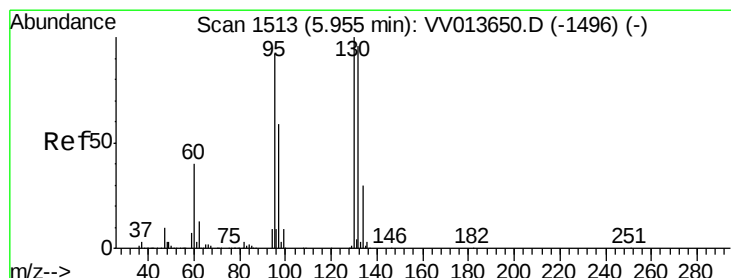
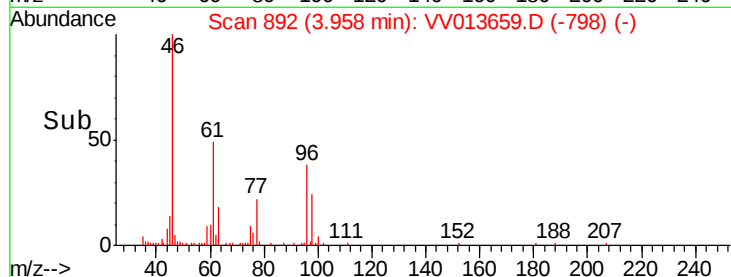
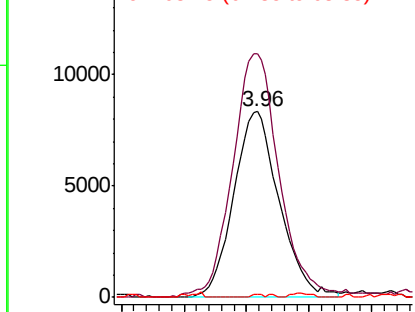
cis-1,2-Dichloroethene
Concen: 0.813 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV013659.D
Acq: 18 Nov 2019 15:24

Instrument :
MSVOA_V
ClientSampleId :
GAQH6

Tgt Ion: 96 Resp: 21025
Ion Ratio Lower Upper
96 100
61 131.3 87.7 162.9
68 1.5 0.1 0.3#



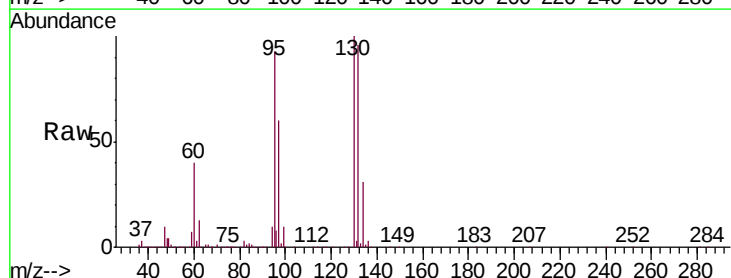
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



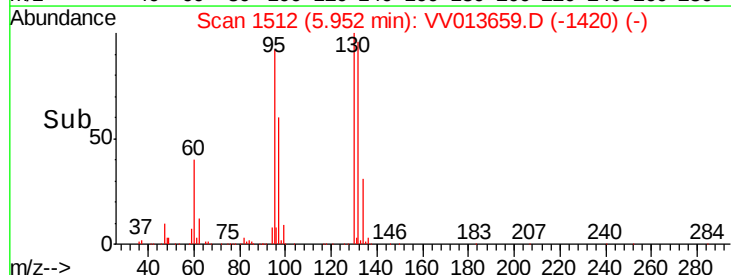
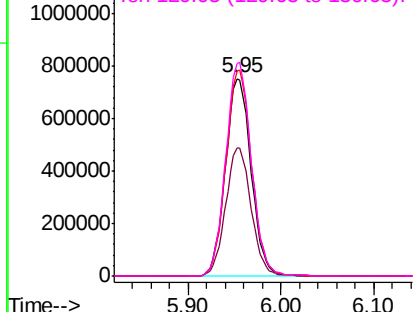
#34

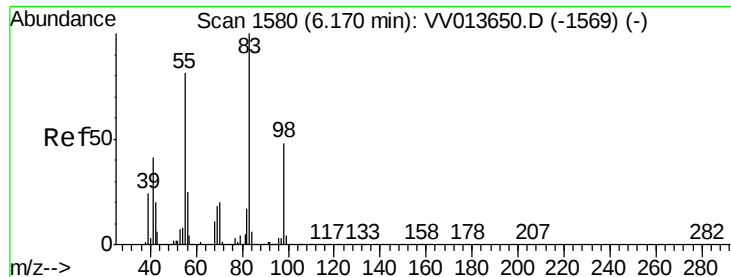
Trichloroethene
Concen: 53.050 ug/L
RT: 5.95 min Scan# 1512
Delta R.T. -0.00 min
Lab File: VV013659.D
Acq: 18 Nov 2019 15:24

Tgt Ion: 95 Resp: 1442748
Ion Ratio Lower Upper
95 100
97 64.7 44.8 83.2
132 103.8 72.9 135.3
130 107.7 75.1 139.5



Abundance Ion 95.00 (94.70 to 95.70): VV0
Ion 96.95 (96.65 to 97.65): VV0
Ion 131.95 (131.65 to 132.65): VV0
Ion 129.95 (129.65 to 130.65): VV0

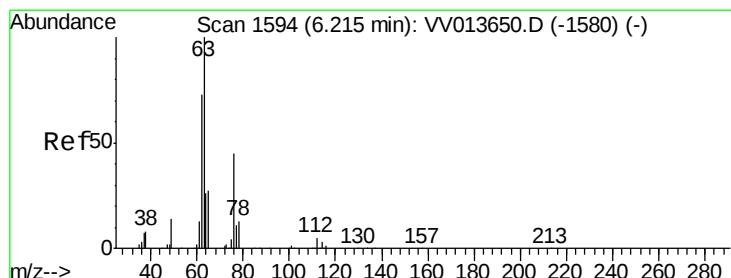
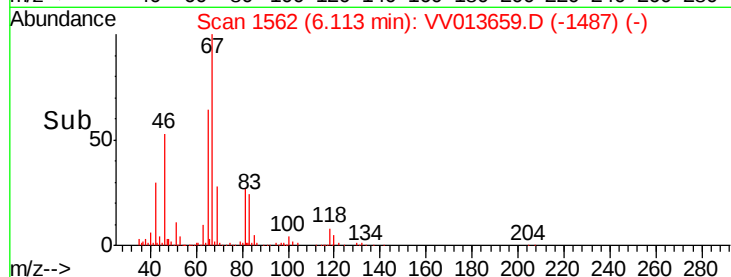
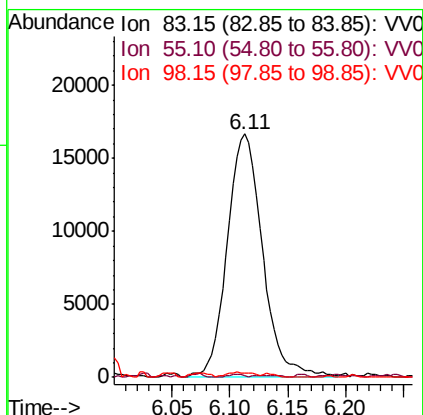
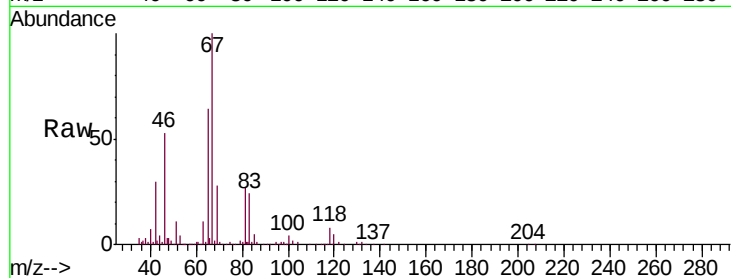




#35
Methylcyclohexane
Concen: 0.851 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV013659.D
Acq: 18 Nov 2019 15:24

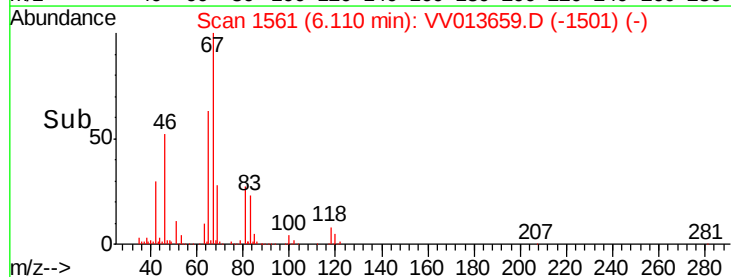
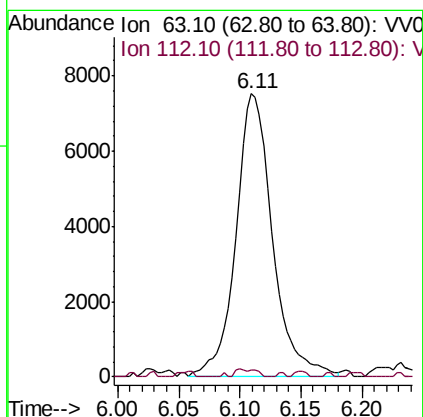
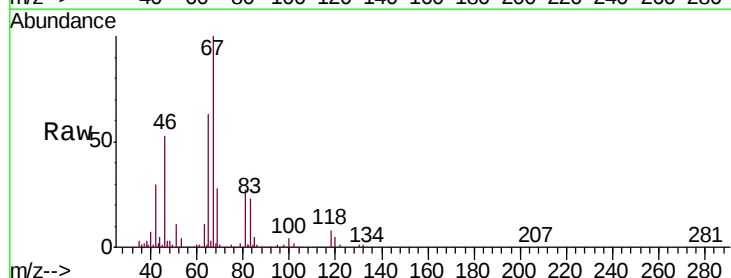
Instrument :
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ClientSampleId :
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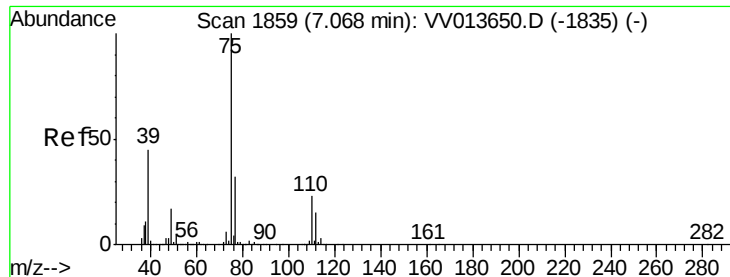
Tgt Ion: 83 Resp: 35310
Ion Ratio Lower Upper
83 100
55 0.5 64.1 96.1#
98 0.0 38.2 57.2#



#37
1,2-Dichloropropane
Concen: 0.641 ug/L
RT: 6.11 min Scan# 1561
Delta R.T. -0.11 min
Lab File: VV013659.D
Acq: 18 Nov 2019 15:24

Tgt Ion: 63 Resp: 15603
Ion Ratio Lower Upper
63 100
112 0.9 4.1 6.1#





#39

cis-1,3-Dichloropropene

Concen: 0.092 ug/L

RT: 7.03 min Scan# 1846

Delta R.T. -0.04 min

Lab File: VV013659.D

Acq: 18 Nov 2019 15:24

Instrument :

MSVOA_V

ClientSampleId :

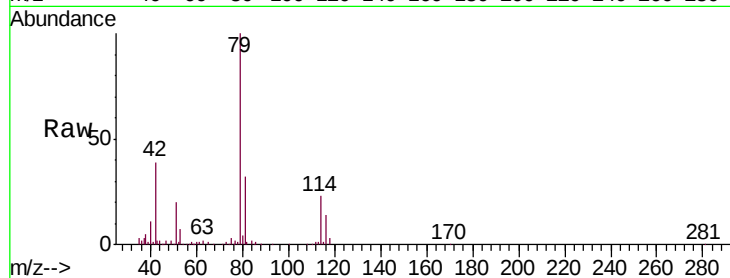
GAQH6

Tgt Ion: 75 Resp: 3225

Ion Ratio Lower Upper

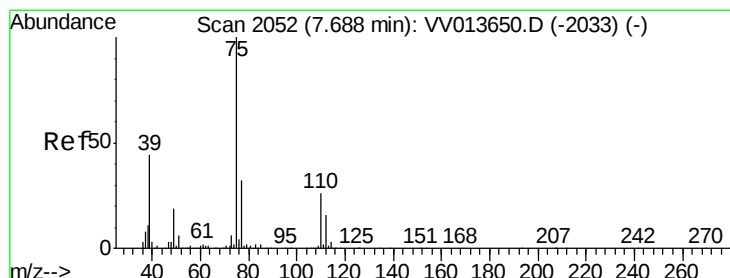
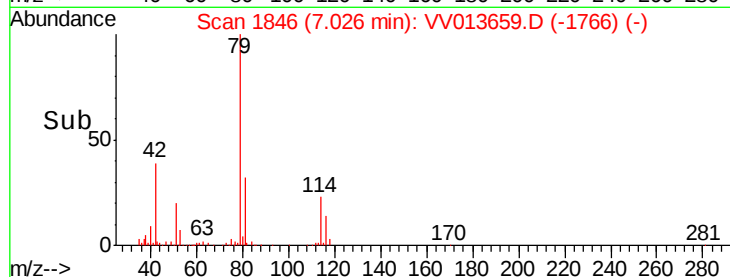
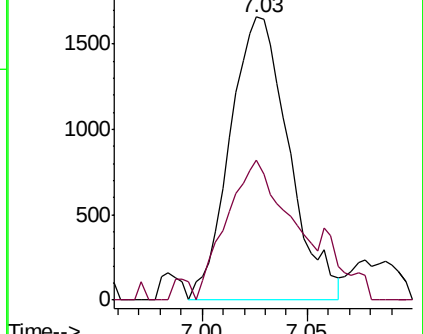
75 100

77 49.7 22.0 40.8#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.077 ug/L

RT: 7.66 min Scan# 2043

Delta R.T. -0.03 min

Lab File: VV013659.D

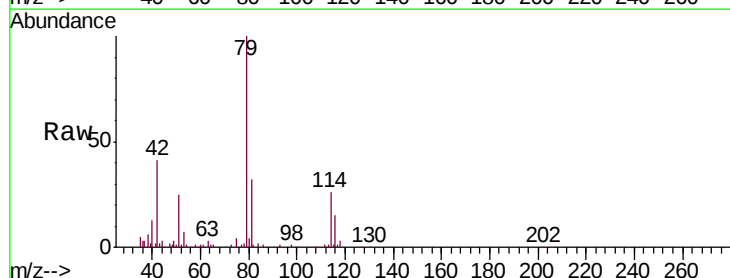
Acq: 18 Nov 2019 15:24

Tgt Ion: 75 Resp: 2119

Ion Ratio Lower Upper

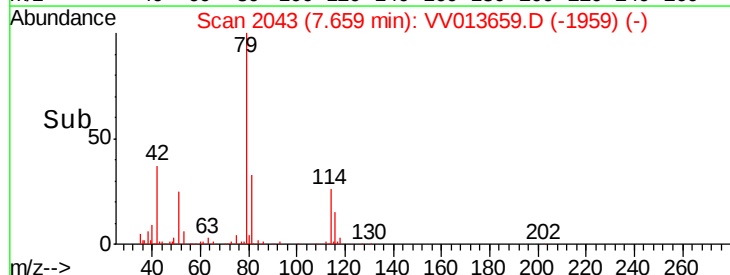
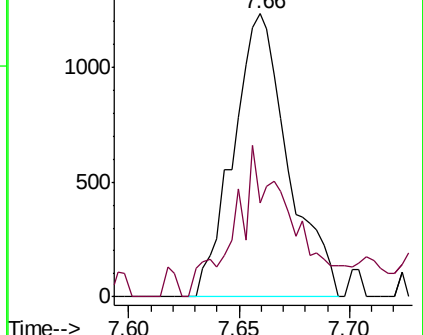
75 100

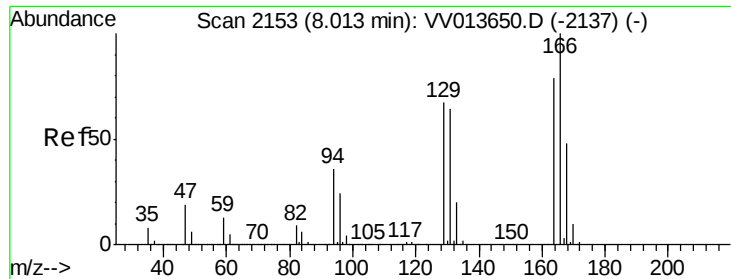
77 33.2 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

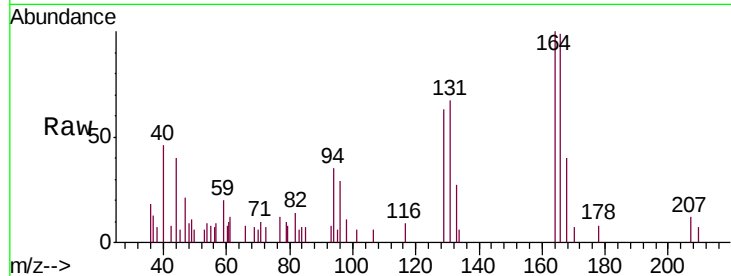




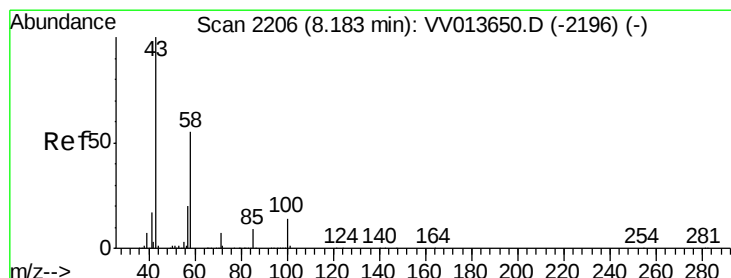
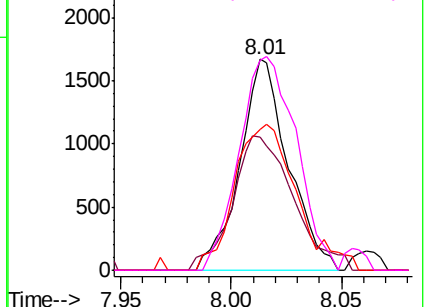
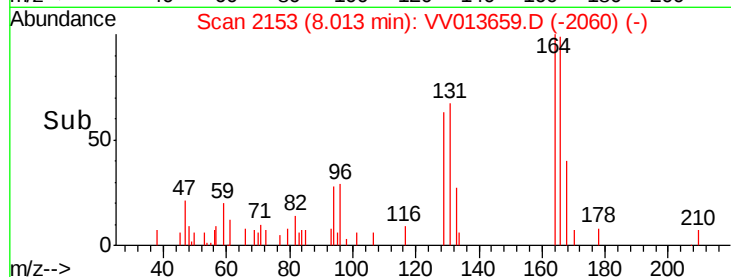
#47
Tetrachloroethene
Concen: 0.101 ug/L
RT: 8.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VV013659.D
Acq: 18 Nov 2019 15:24

Instrument :
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ClientSampleId :
GAQH6

Tgt Ion:164 Resp: 2548
Ion Ratio Lower Upper
164 100
129 63.2 59.1 109.9
131 66.9 58.9 109.5
166 99.3 87.8 163.2

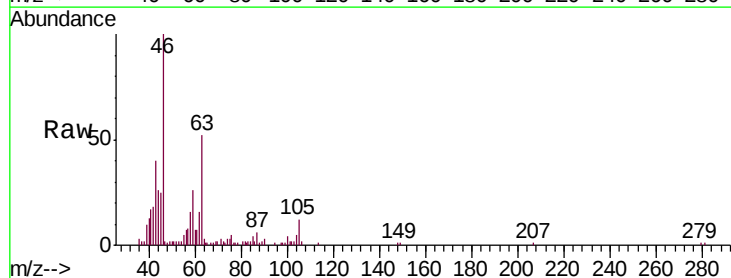


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

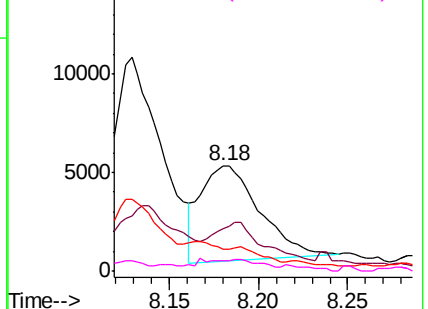
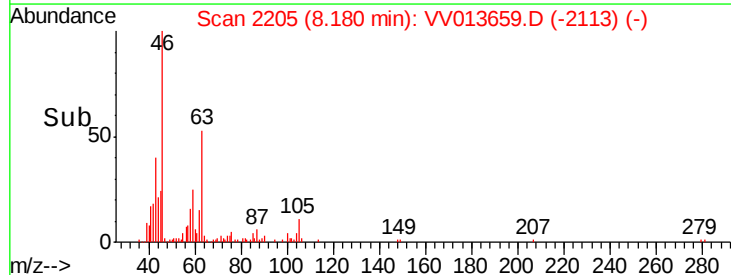


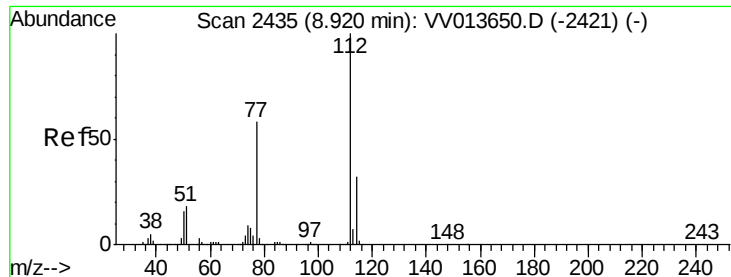
#48
2-Hexanone
Concen: 1.109 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VV013659.D
Acq: 18 Nov 2019 15:24

Tgt Ion: 43 Resp: 11137
Ion Ratio Lower Upper
43 100
58 41.6 43.0 64.6#
57 0.0 15.4 23.2#
100 7.1 10.1 15.1#



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0





#51

Chlorobenzene

Concen: 0.082 ug/L

RT: 8.92 min Scan# 2435

Delta R.T. 0.00 min

Lab File: VV013659.D

Acq: 18 Nov 2019 15:24

Instrument :

MSVOA_V

ClientSampleId :

GAQH6

Tgt Ion: 112 Resp: 5900

Ion Ratio Lower Upper

112 100

114 31.5 22.8 42.4

77 60.6 45.0 67.4

