

Data File : VV013607.D
Acq On : 13 Nov 2019 16:52
Operator : SY/MD
Sample : K5815-01
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5460

Quant Time: Nov 14 06:13:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 14 06:01:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.68	114	379051	5.00	ug/L	-0.02
28) Chlorobenzene-d5	8.91	117	335283	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	132198	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.36	65	110452	4.54	ug/L	0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.80%
7) Chloroethane-d5	1.62	69	89008	4.59	ug/L	0.02
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.80%
11) 1,1-Dichloroethene-d2	2.16	63	139332	3.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.80%
20) 2-Butanone-d5	4.04	46	243791	55.91	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.82%
24) Chloroform-d	4.43	84	187666	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
26) 1,2-Dichloroethane-d4	5.10	65	93121	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
32) Benzene-d6	5.11	84	366392	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
36) 1,2-Dichloropropane-d6	6.15	67	132477	4.78	ug/L	-0.02
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.60%
41) Toluene-d8	7.40	98	321495	3.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.60%
43) trans-1,3-Dichloropropene-	7.70	79	43399	4.21	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.20%
46) 2-Hexanone-d5	8.16	63	187809	45.66	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.32%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	91108	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	122010	5.23	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.60%

Target Compounds

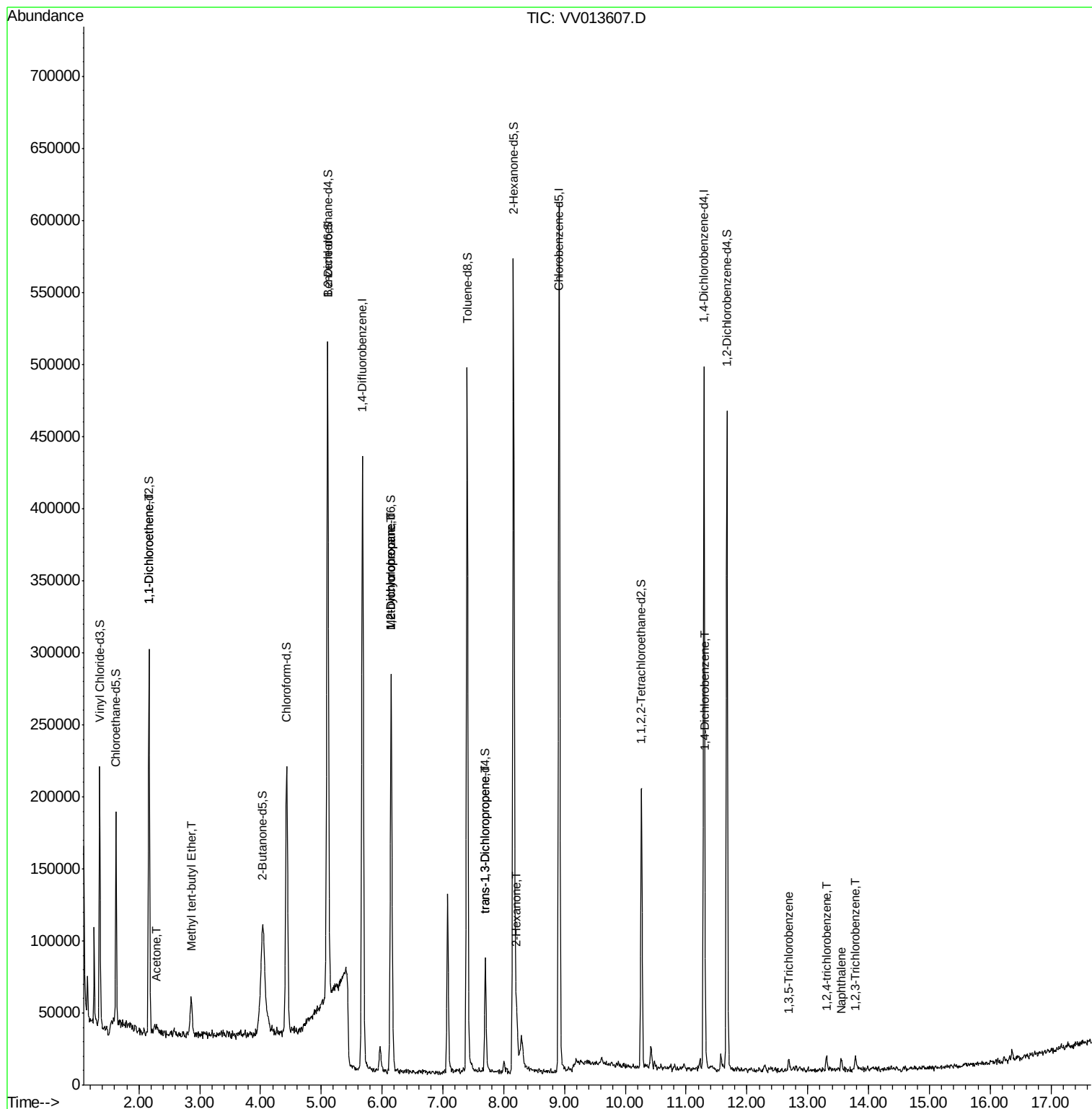
					Qvalue	
12) 1,1-Dichloroethene	2.17	96	1550	0.070	ug/L #	1
13) Acetone	2.30	43	3653	1.296	ug/L	87
17) Methyl tert-butyl Ether	2.86	73	28511	0.553	ug/L #	95
35) Methylcyclohexane	6.15	83	31875	0.798	ug/L #	18
37) 1,2-Dichloropropane	6.15	63	14164	0.560	ug/L #	100
44) trans-1,3-Dichloropropene	7.69	75	2251	0.084	ug/L #	76
48) 2-Hexanone	8.21	43	17257	1.734	ug/L #	84
63) 1,4-Dichlorobenzene	11.32	146	2871	0.066	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	2820	0.081	ug/L #	77
68) 1,2,4-trichlorobenzene	13.31	180	3076	0.115	ug/L #	91
69) Naphthalene	13.55	128	5157	0.153	ug/L #	88
70) 1,2,3-Trichlorobenzene	13.79	180	2320	0.093	ug/L #	94

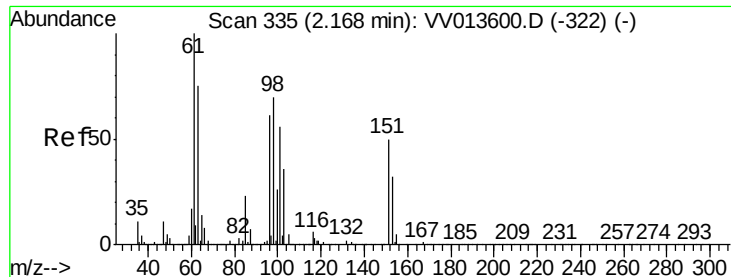
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.070 ug/L

RT: 2.17 min Scan# 335

Delta R.T. 0.00 min

Lab File: VV013607.D

Acq: 13 Nov 2019 16:52

Instrument :

MSVOA_V

ClientSampleId :

A5460

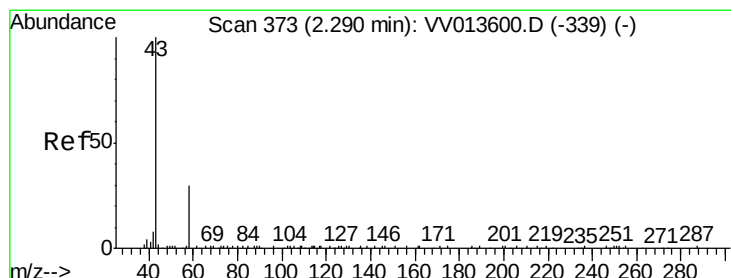
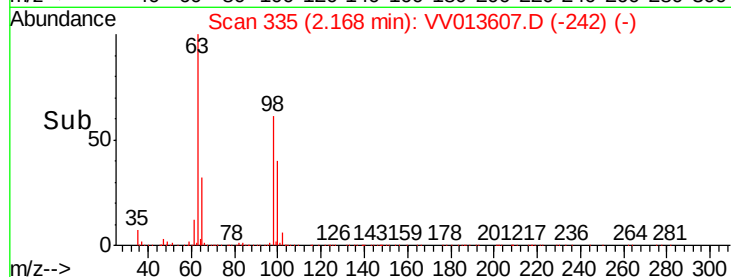
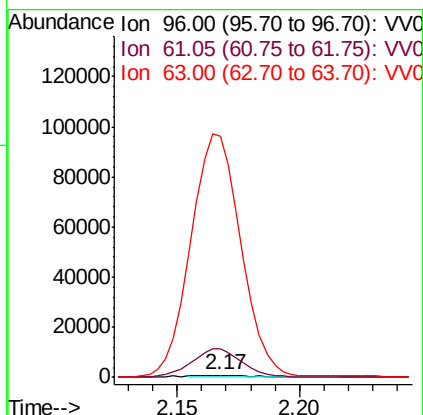
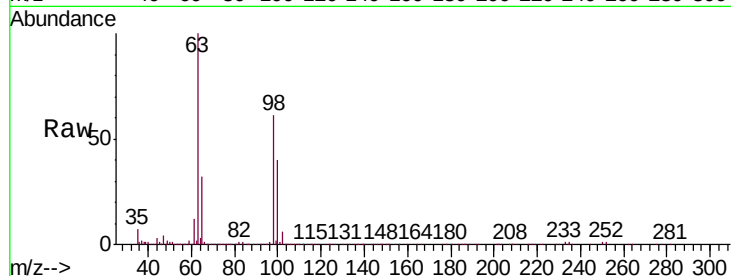
Tgt Ion: 96 Resp: 1550

Ion Ratio Lower Upper

96 100

61 1263.0 115.6 214.6#

63 10590.1 87.2 162.0#



#13

Acetone

Concen: 1.296 ug/L

RT: 2.30 min Scan# 376

Delta R.T. 0.01 min

Lab File: VV013607.D

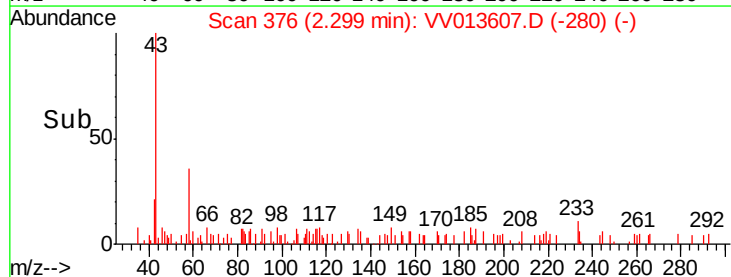
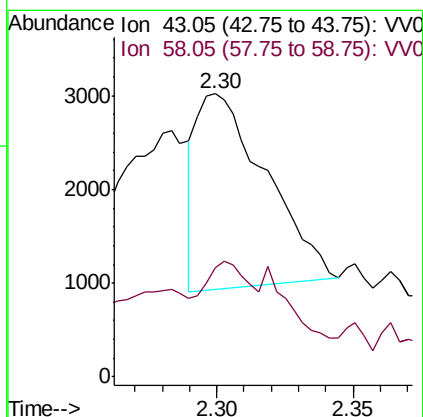
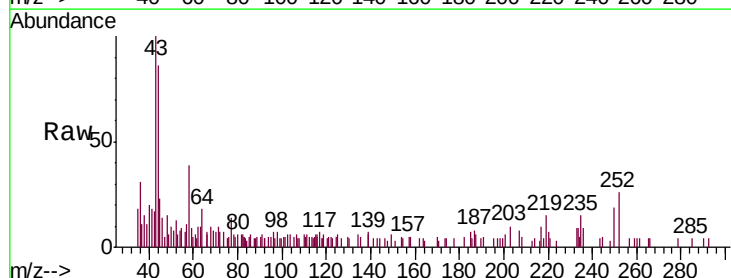
Acq: 13 Nov 2019 16:52

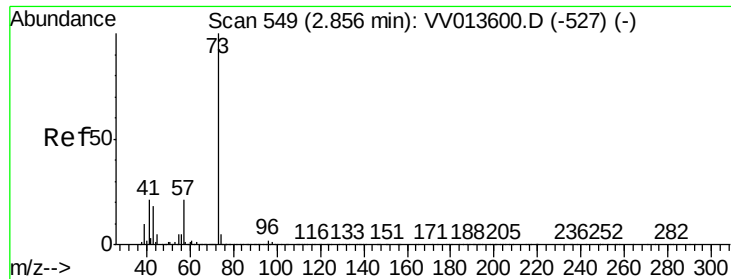
Tgt Ion: 43 Resp: 3653

Ion Ratio Lower Upper

43 100

58 9.3 0.0 28.8

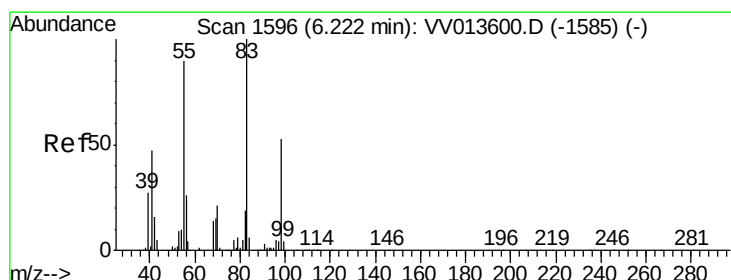
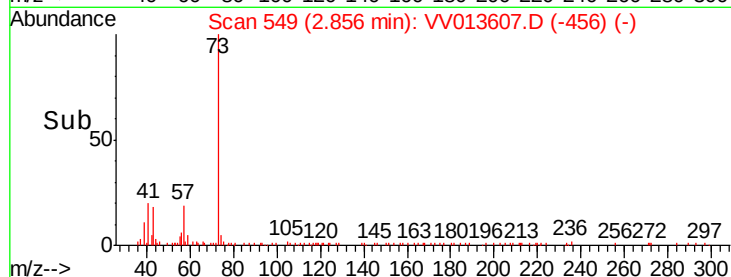
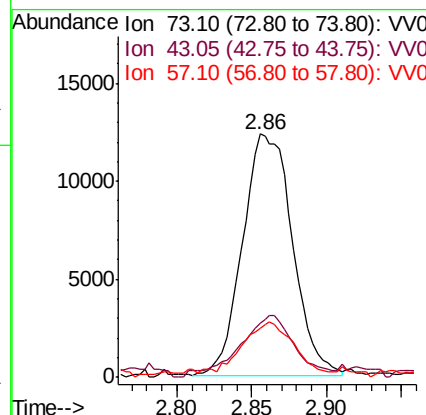
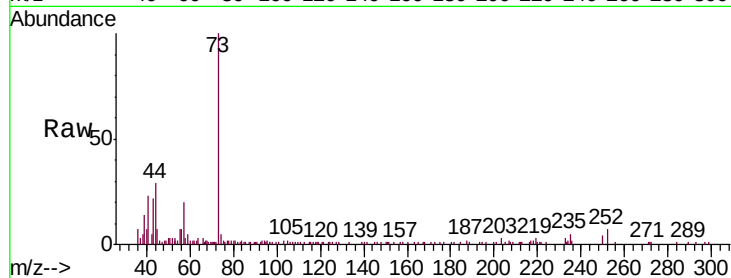




#17
Methyl tert-butyl Ether
Concen: 0.553 ug/L
RT: 2.86 min Scan# 549
Delta R.T. 0.00 min
Lab File: VV013607.D
Acq: 13 Nov 2019 16:52

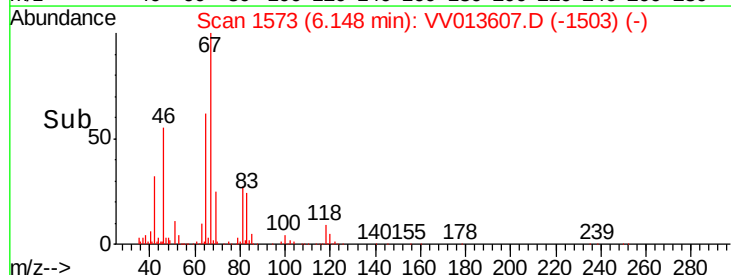
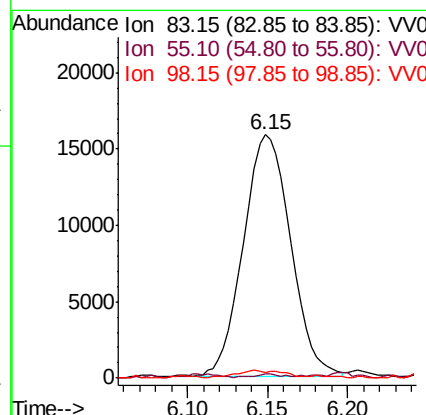
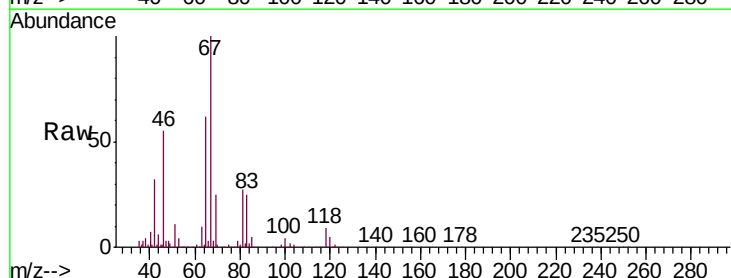
Instrument :
MSVOA_V
ClientSampleId :
A5460

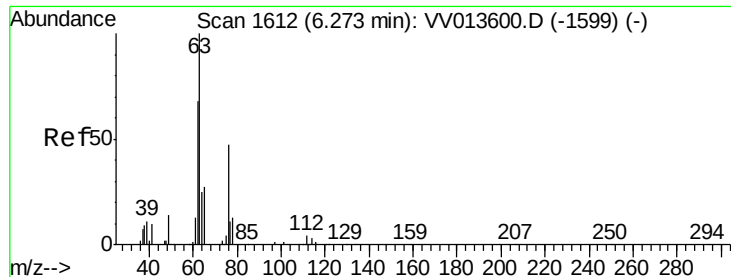
Tgt Ion	Ratio	Lower	Upper
73	100		
43	22.4	14.8	22.2#
57	21.3	16.3	24.5



#35
Methylcyclohexane
Concen: 0.798 ug/L
RT: 6.15 min Scan# 1573
Delta R.T. -0.07 min
Lab File: VV013607.D
Acq: 13 Nov 2019 16:52

Tgt Ion	Ratio	Lower	Upper
83	100		
55	1.5	67.0	100.4#
98	3.3	38.5	57.7#

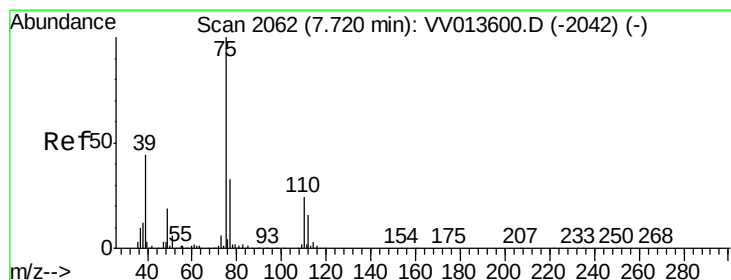
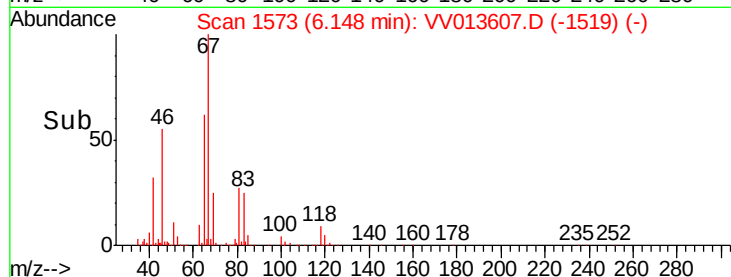
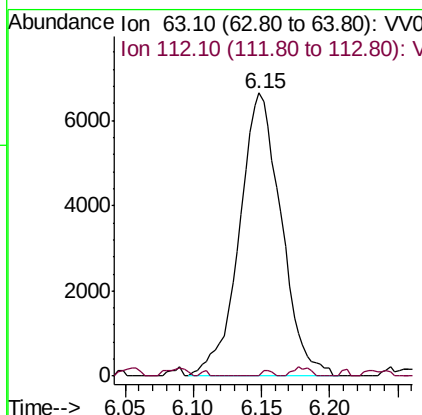
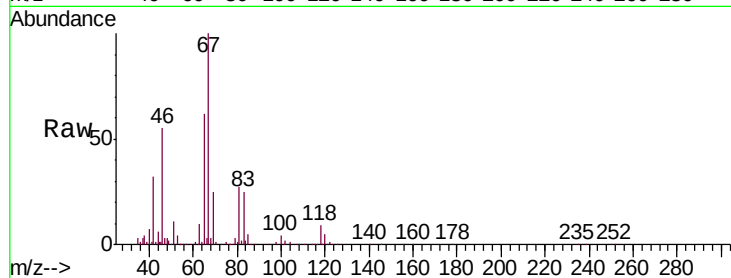




#37
 1,2-Dichloropropane
 Concen: 0.560 ug/L
 RT: 6.15 min Scan# 1573
 Delta R.T. -0.13 min
 Lab File: VV013607.D
 Acq: 13 Nov 2019 16:52

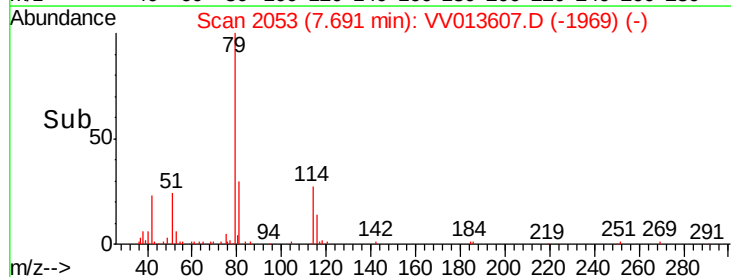
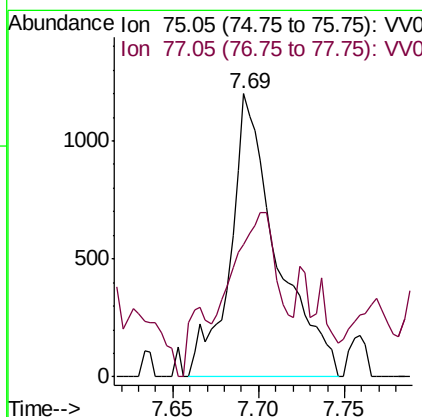
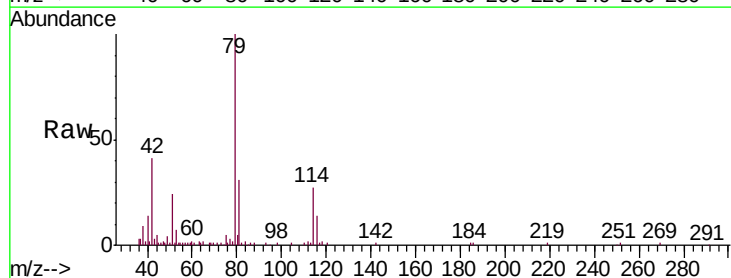
Instrument :
 MSVOA_V
 ClientSampled :
 A5460

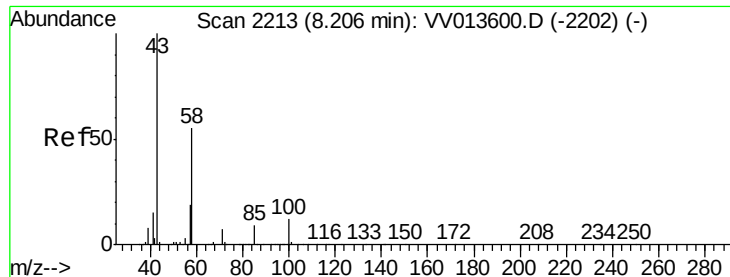
Tgt Ion: 63 Resp: 14164
 Ion Ratio Lower Upper
 63 100
 112 0.5 0.2 0.2#



#44
 trans-1,3-Dichloropropene
 Concen: 0.084 ug/L
 RT: 7.69 min Scan# 2053
 Delta R.T. -0.03 min
 Lab File: VV013607.D
 Acq: 13 Nov 2019 16:52

Tgt Ion: 75 Resp: 2251
 Ion Ratio Lower Upper
 75 100
 77 46.6 23.2 43.0#

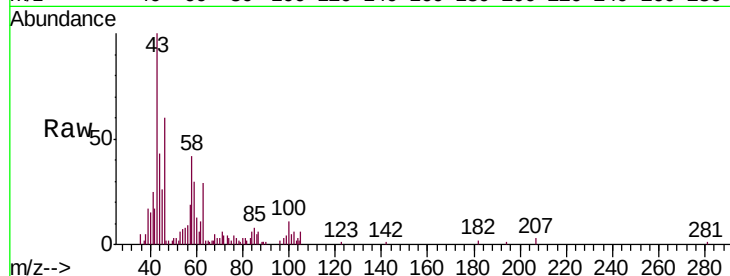




#48
2-Hexanone
Concen: 1.734 ug/L
RT: 8.21 min Scan# 2215
Delta R.T. 0.01 min
Lab File: VV013607.D
Acq: 13 Nov 2019 16:52

Instrument :
MSVOA_V
ClientSampled :
A5460

Tgt Ion:	43	Resp:	17257
Ion	Ratio	Lower	Upper
43	100		
58	39.5	45.1	67.7#
57	17.3	14.6	21.8
100	11.1	10.2	15.2



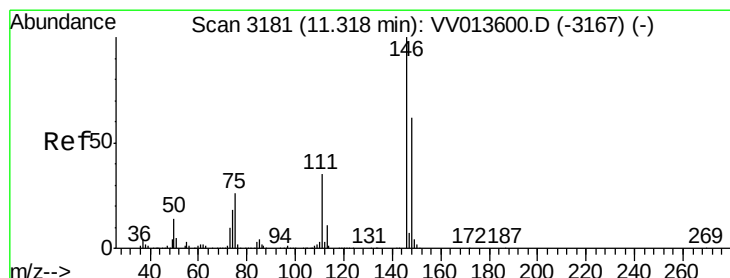
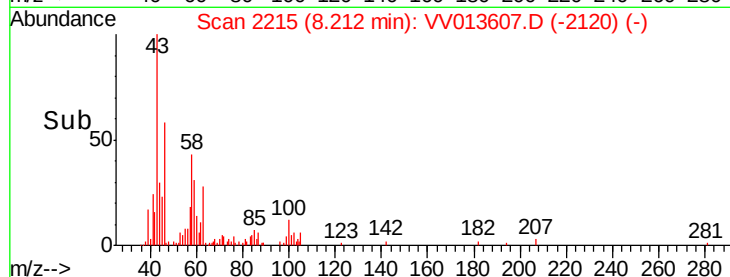
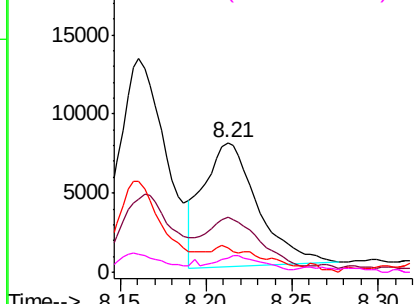
Abundance

Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

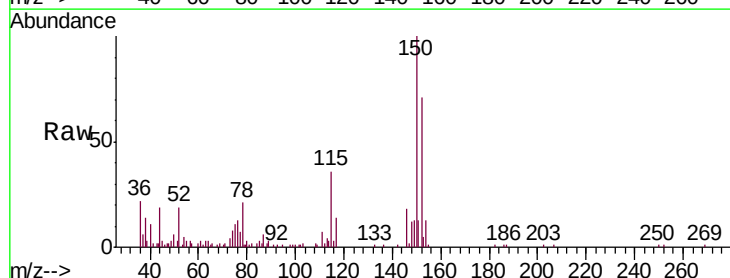
Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0



#63
1,4-Dichlorobenzene
Concen: 0.066 ug/L
RT: 11.32 min Scan# 3181
Delta R.T. 0.00 min
Lab File: VV013607.D
Acq: 13 Nov 2019 16:52

Tgt Ion:	146	Resp:	2871
Ion	Ratio	Lower	Upper
146	100		
111	36.8	24.7	45.9
148	65.7	43.8	81.3

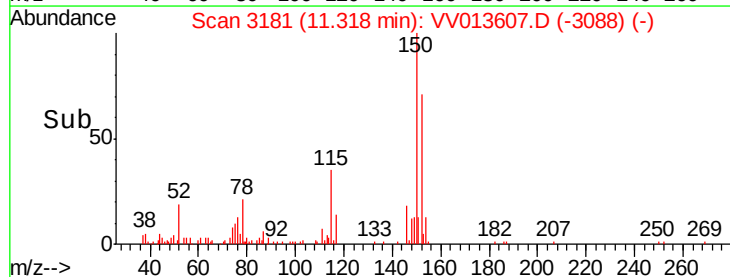
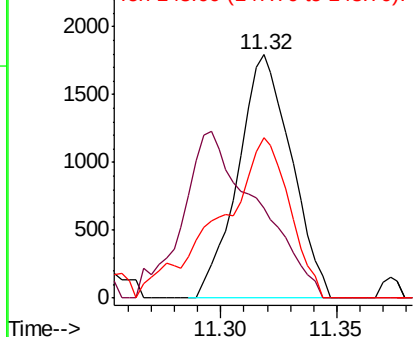


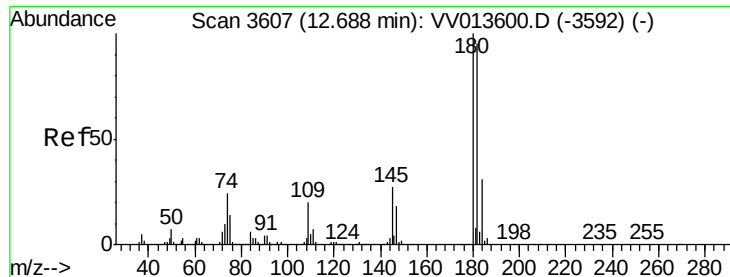
Abundance

Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#67

1,3,5-Trichlorobenzene

Concen: 0.081 ug/L

RT: 12.69 min Scan# 3608

Delta R.T. 0.00 min

Lab File: VV013607.D

Acq: 13 Nov 2019 16:52

Instrument :

MSVOA_V

ClientSampled :

A5460

Tgt Ion:180 Resp: 2820

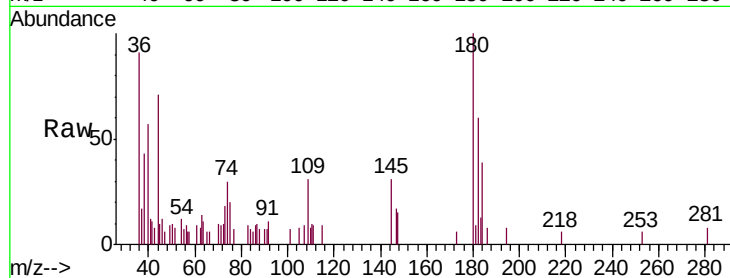
Ion Ratio Lower Upper

180 100

182 69.0 76.7 115.1#

184 40.4 24.8 37.2#

145 33.9 21.5 32.3#

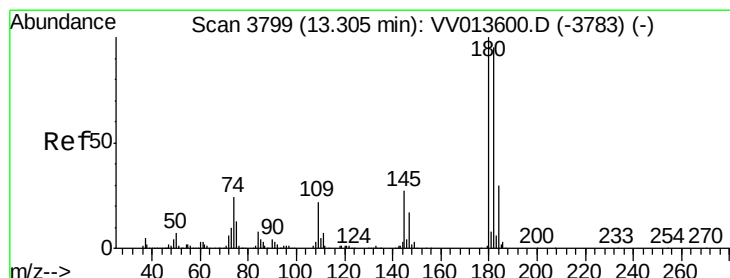
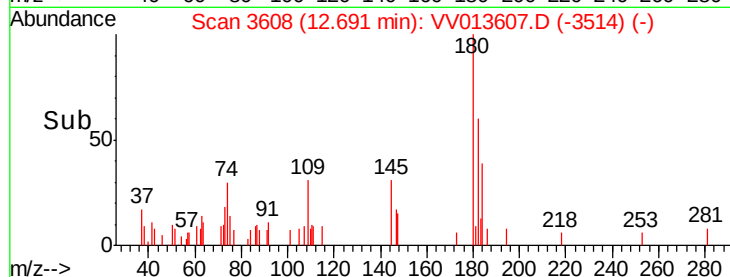
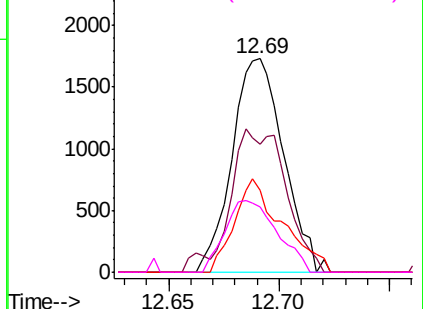


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68

1,2,4-trichlorobenzene

Concen: 0.115 ug/L

RT: 13.31 min Scan# 3799

Delta R.T. 0.00 min

Lab File: VV013607.D

Acq: 13 Nov 2019 16:52

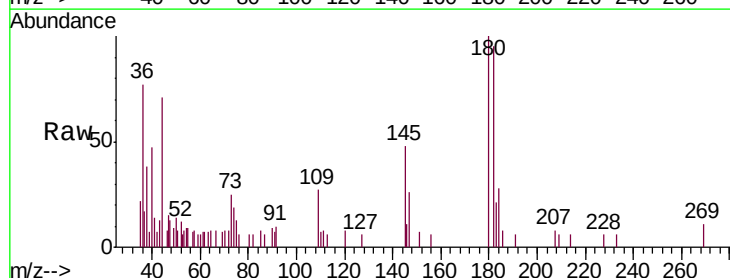
Tgt Ion:180 Resp: 3076

Ion Ratio Lower Upper

180 100

182 100.6 75.7 113.5

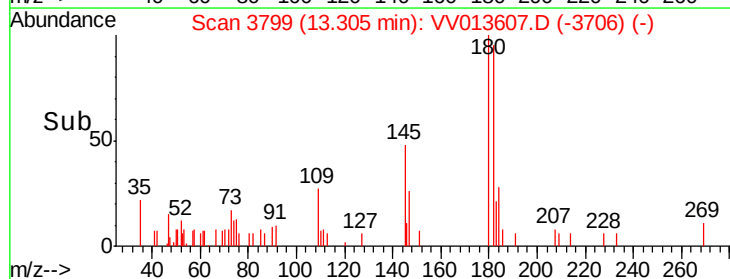
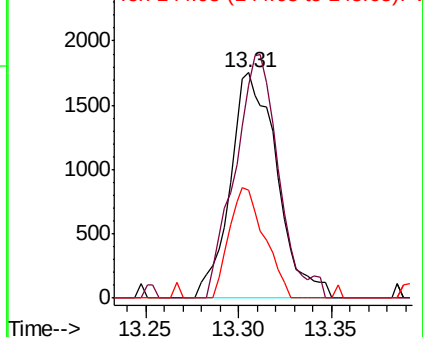
145 36.8 21.9 32.9#

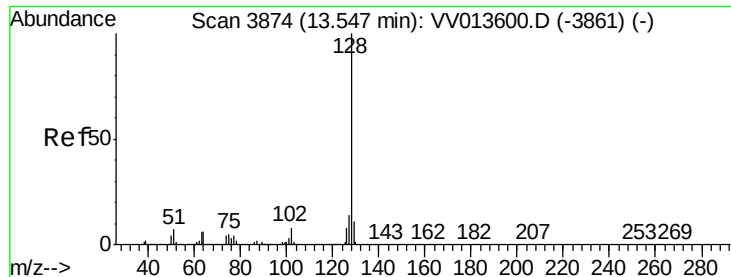


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.153 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV013607.D

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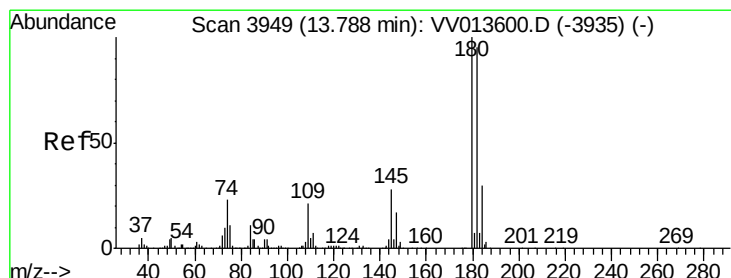
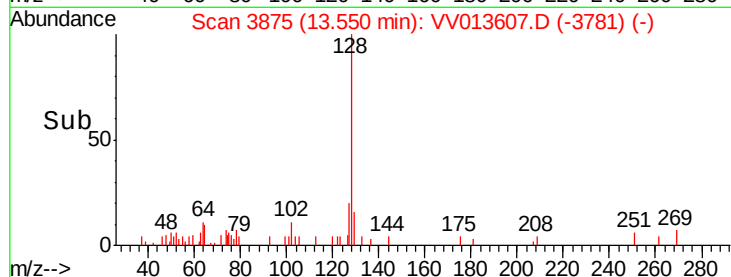
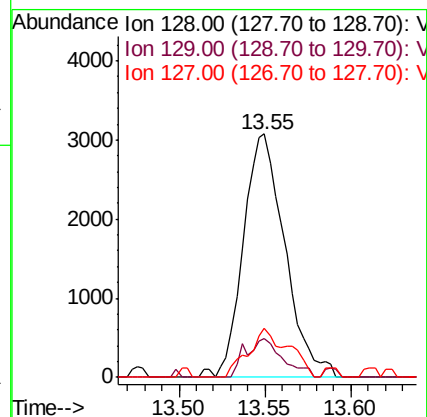
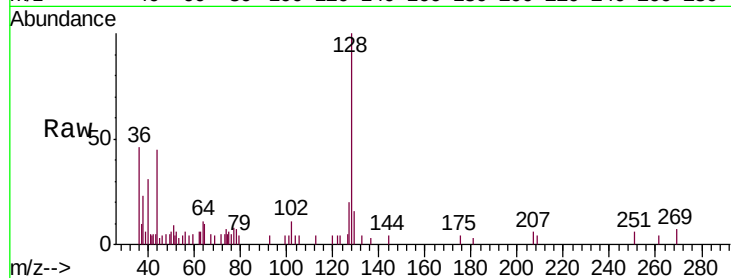
Tgt Ion:128 Resp: 5157

Ion Ratio Lower Upper

128 100

129 14.4 8.2 12.4#

127 19.2 11.2 16.8#



#70

1,2,3-Trichlorobenzene

Concen: 0.093 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV013607.D

Acq: 13 Nov 2019 16:52

Tgt Ion:180 Resp: 2320

Ion Ratio Lower Upper

180 100

182 95.2 75.4 113.2

145 39.4 22.6 33.8#

