

Data File : VV012407.D
Acq On : 26 Aug 2019 17:43
Operator : SY/MD
Sample : K4501-05
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GANM0

Quant Time: Aug 27 02:25:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Aug 27 02:19:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	226223	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	220289	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	88343	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	48870	4.32	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.40%
7) Chloroethane-d5	1.58	69	34355	4.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.40%
11) 1,1-Dichloroethene-d2	2.13	63	64299	3.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.00%
20) 2-Butanone-d5	3.95	46	145583	47.78	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.56%
24) Chloroform-d	4.40	84	118340	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
26) 1,2-Dichloroethane-d4	5.08	65	59811	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
32) Benzene-d6	5.10	84	233125	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.00%
36) 1,2-Dichloropropane-d6	6.12	67	74394	4.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.60%
41) Toluene-d8	7.36	98	196502	4.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.80%
43) trans-1,3-Dichloropropene-	7.67	79	23459	3.81	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.20%
46) 2-Hexanone-d5	8.14	63	89250	46.70	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.40%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	45498	4.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	70435	4.79	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.80%

Target Compounds

					Qvalue
12) 1,1-Dichloroethene	2.13	96	730	0.080 ug/L #	1
13) Acetone	2.22	43	6022	4.568 ug/L	75
17) Methyl tert-butyl Ether	2.81	73	3974	0.145 ug/L #	90
18) trans-1,2-Dichloroethene	2.79	96	2185	0.162 ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	6536	0.444 ug/L	95
25) Chloroform	4.43	83	5739	0.205 ug/L	88
33) Benzene	5.15	78	5703	0.102 ug/L	100
34) Trichloroethene	5.96	95	21360	1.409 ug/L	92
35) Methylcyclohexane	6.12	83	18932	0.795 ug/L #	17
37) 1,2-Dichloropropane	6.12	63	8860	0.622 ug/L #	86
39) cis-1,3-Dichloropropene	7.03	75	2149	0.112 ug/L	88
44) trans-1,3-Dichloropropene	7.67	75	1216	0.084 ug/L	90
45) 1,1,2-Trichloroethane	8.02	97	29431	3.192 ug/L #	1
47) Tetrachloroethene	8.02	164	3496210	285.816 ug/L	97
48) 2-Hexanone	8.20	43	12579	2.286 ug/L #	90
49) Dibromochloromethane	8.02	129	3058029	276.730 ug/L #	11

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082619\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Aug 27 02:19:39 2019
Response via : Initial Calibration

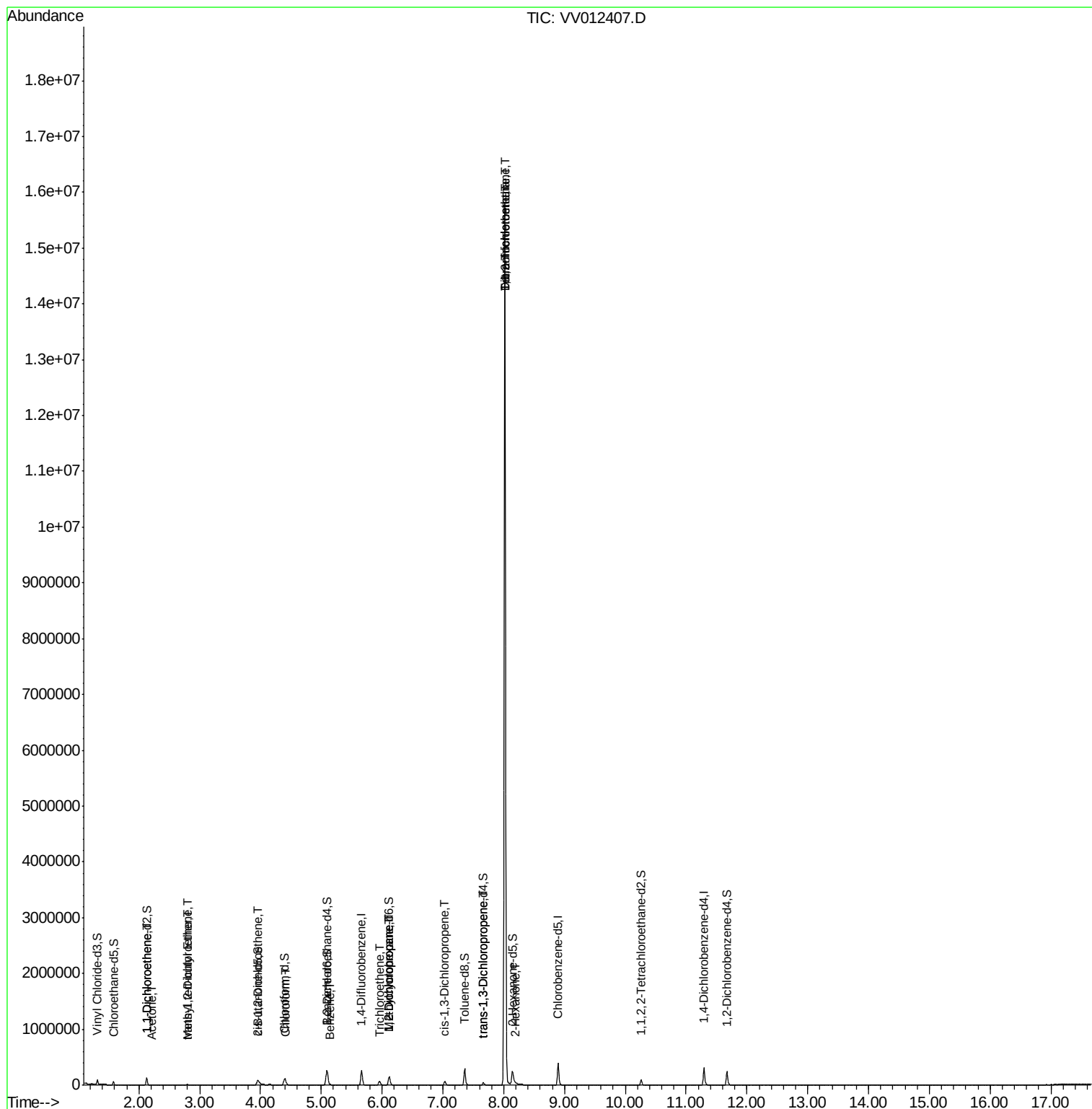
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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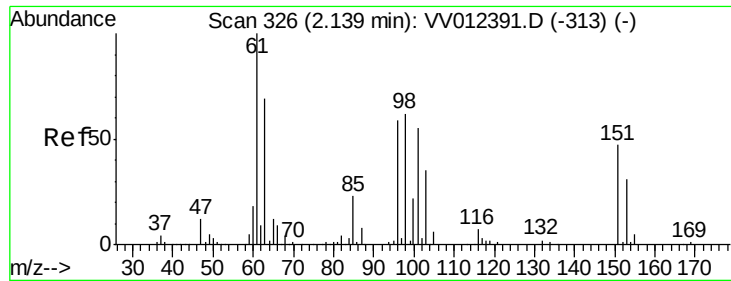
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 27 02:19:39 2019
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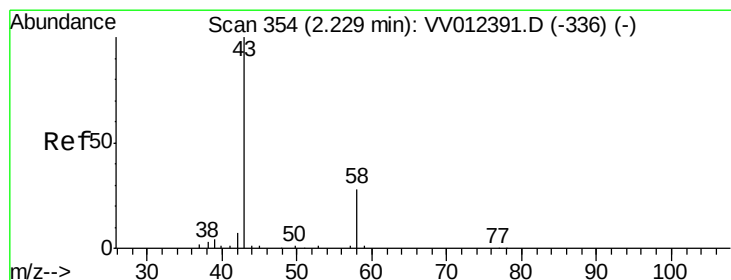
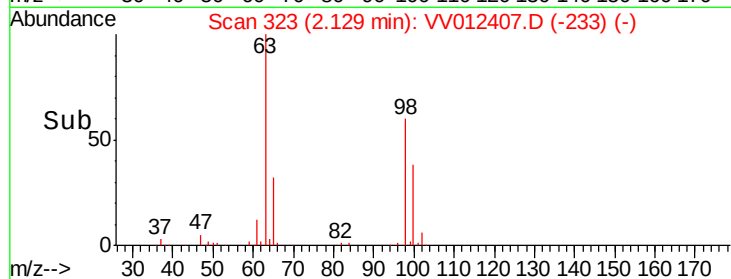
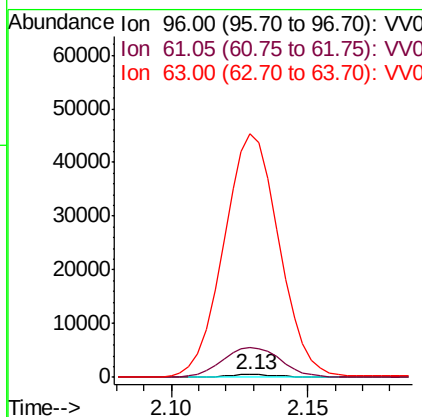
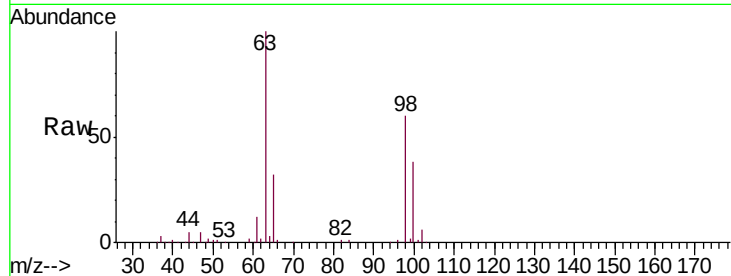




#12
 1,1-Dichloroethene
 Concen: 0.080 ug/L
 RT: 2.13 min Scan# 323
 Delta R.T. -0.01 min
 Lab File: VV012407.D
 Acq: 26 Aug 2019 17:43

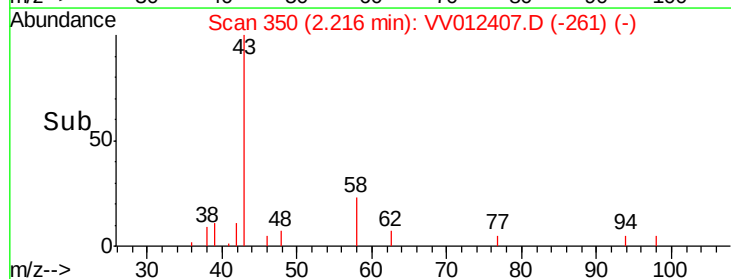
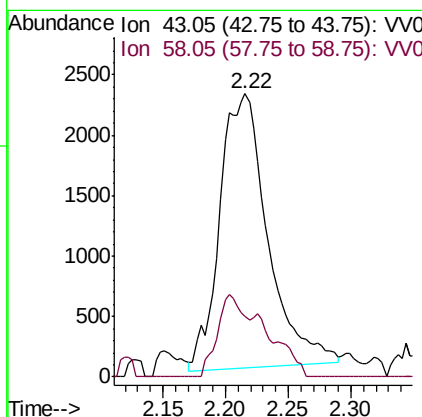
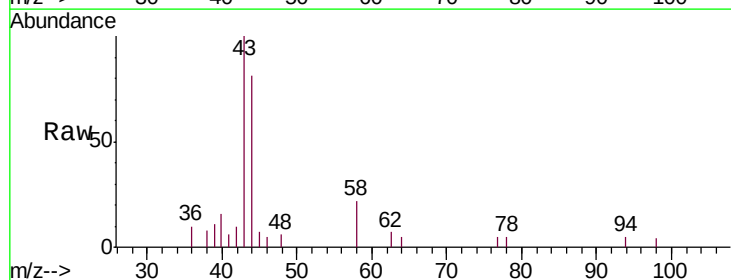
Instrument :
 MSVOA_V
 ClientSampled :
 GANM0

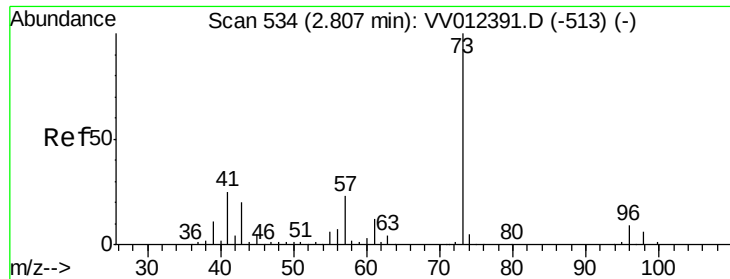
Tgt Ion: 96 Resp: 730
 Ion Ratio Lower Upper
 96 100
 61 1181.2 122.3 227.1#
 63 9706.2 90.6 168.2#



#13
 Acetone
 Concen: 4.568 ug/L
 RT: 2.22 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VV012407.D
 Acq: 26 Aug 2019 17:43

Tgt Ion: 43 Resp: 6022
 Ion Ratio Lower Upper
 43 100
 58 17.4 0.0 62.8





#17

Methyl tert-butyl Ether

Concen: 0.145 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV012407.D

Acq: 26 Aug 2019 17:43

Instrument :

MSVOA_V

ClientSampleId :

GANM0

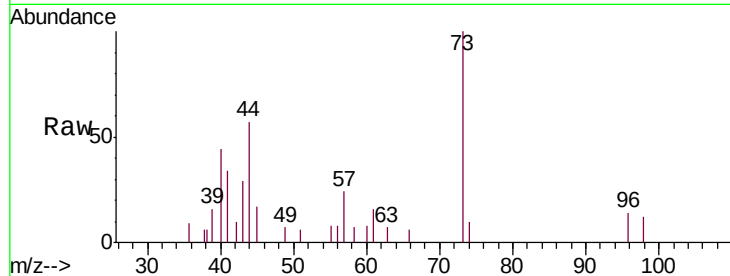
Tgt Ion: 73 Resp: 3974

Ion Ratio Lower Upper

73 100

43 9.9 15.0 22.6#

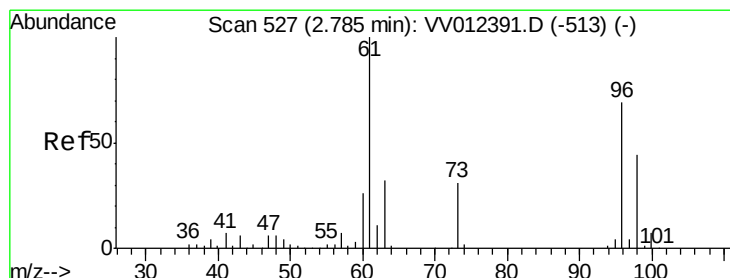
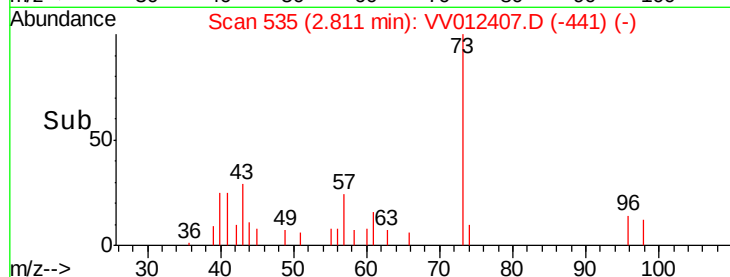
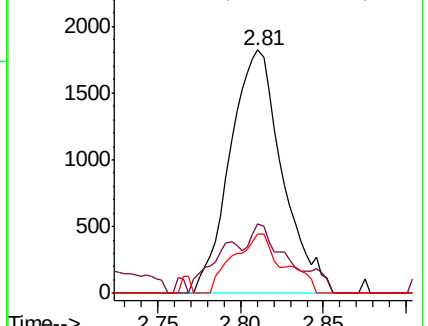
57 23.4 18.0 27.0



Abundance Ion 73.10 (72.80 to 73.80): VV012391.D (-513) (-)

Ion 43.05 (42.75 to 43.75): VV012391.D (-513) (-)

Ion 57.10 (56.80 to 57.80): VV012391.D (-513) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.162 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV012407.D

Acq: 26 Aug 2019 17:43

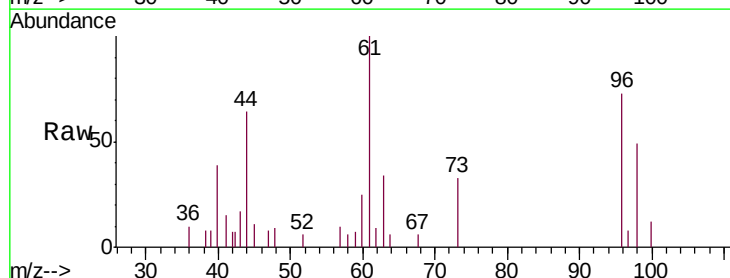
Tgt Ion: 96 Resp: 2185

Ion Ratio Lower Upper

96 100

61 136.8 96.0 178.4

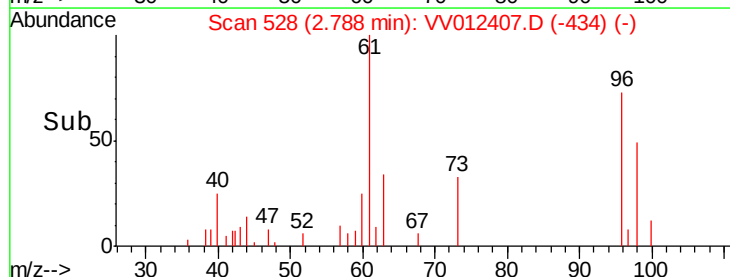
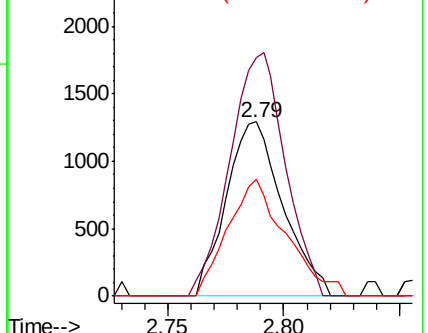
98 66.9 42.1 78.3

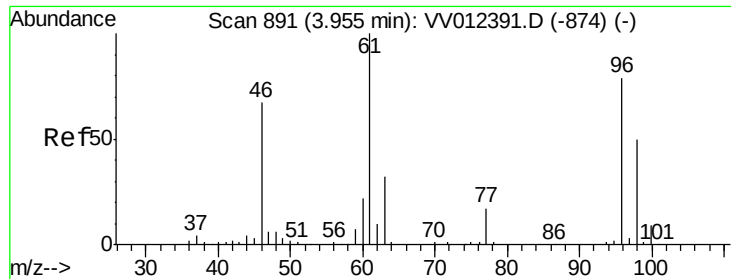


Abundance Ion 96.00 (95.70 to 96.70): VV012391.D (-513) (-)

Ion 61.05 (60.75 to 61.75): VV012391.D (-513) (-)

Ion 97.95 (97.65 to 98.65): VV012391.D (-513) (-)

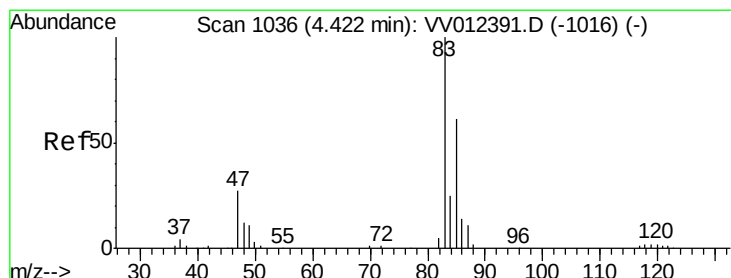
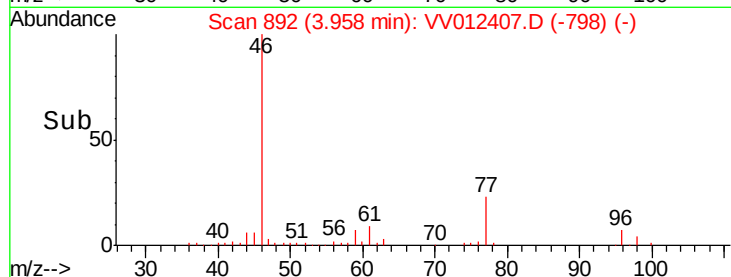
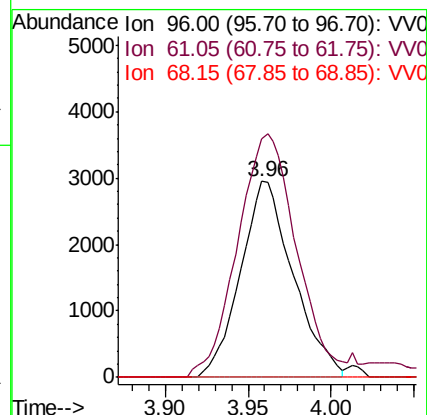
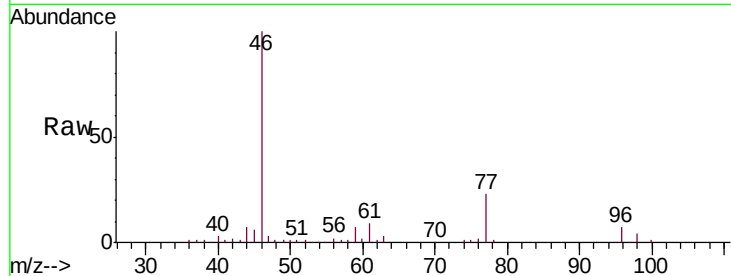




#22
 cis-1,2-Dichloroethene
 Concen: 0.444 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV012407.D
 Acq: 26 Aug 2019 17:43

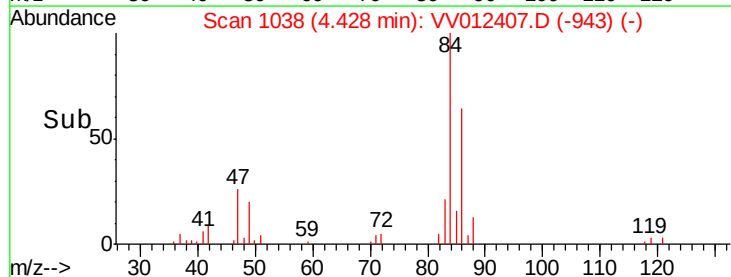
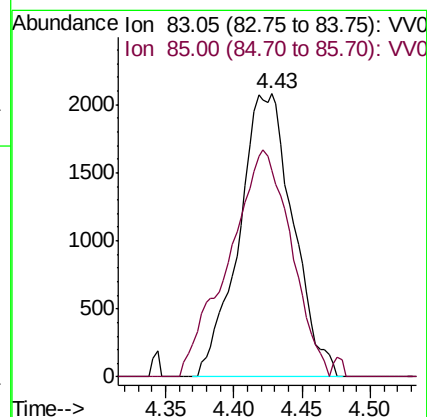
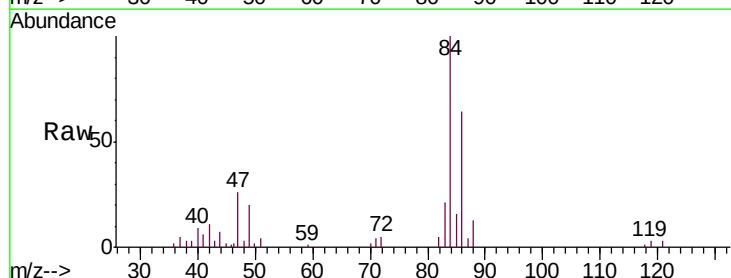
Instrument :
 MSVOA_V
 ClientSampleId :
 GANM0

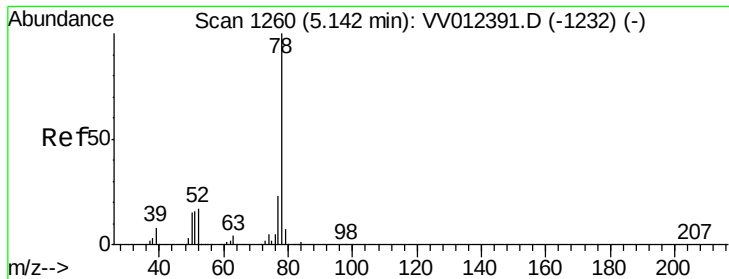
Tgt Ion: 96 Resp: 6536
 Ion Ratio Lower Upper
 96 100
 61 121.6 89.4 166.0
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.205 ug/L
 RT: 4.43 min Scan# 1038
 Delta R.T. 0.01 min
 Lab File: VV012407.D
 Acq: 26 Aug 2019 17:43

Tgt Ion: 83 Resp: 5739
 Ion Ratio Lower Upper
 83 100
 85 73.2 44.6 82.8





#33

Benzene

Concen: 0.102 ug/L

RT: 5.15 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VV012407.D

Acq: 26 Aug 2019 17:43

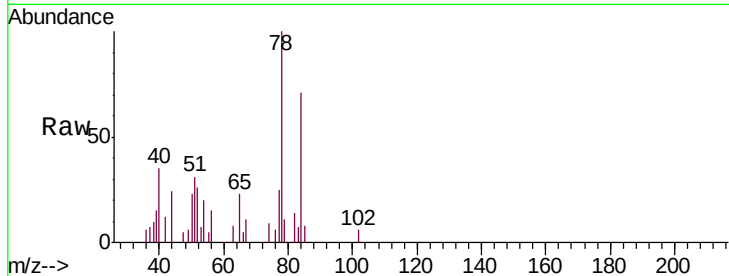
Instrument :

MSVOA_V

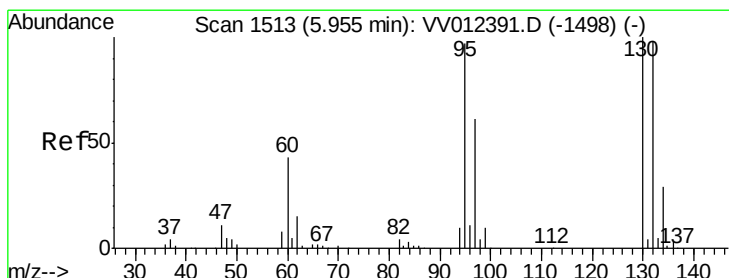
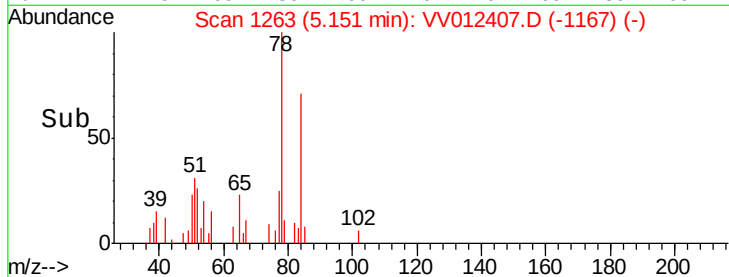
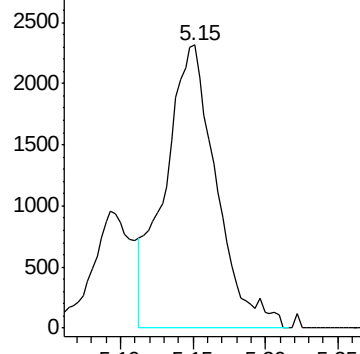
ClientSampleId :

GANM0

Tgt Ion: 78 Resp: 5703



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 1.409 ug/L

RT: 5.96 min Scan# 1514

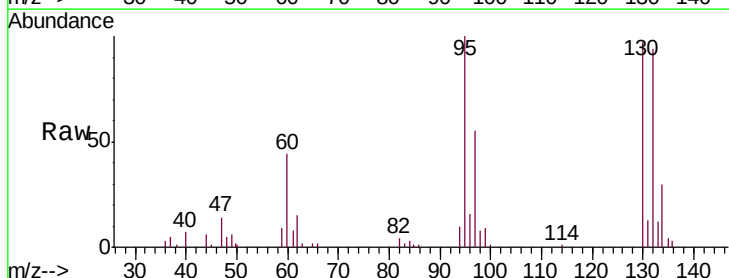
Delta R.T. 0.00 min

Lab File: VV012407.D

Acq: 26 Aug 2019 17:43

Tgt Ion: 95 Resp: 21360

Ion	Ratio	Lower	Upper
95	100		
97	55.1	46.3	86.1
132	94.3	70.3	130.7
130	96.6	72.4	134.5

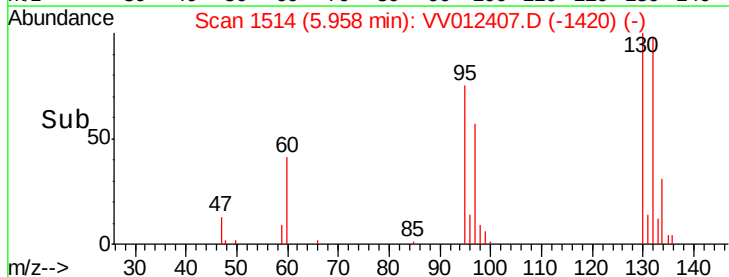
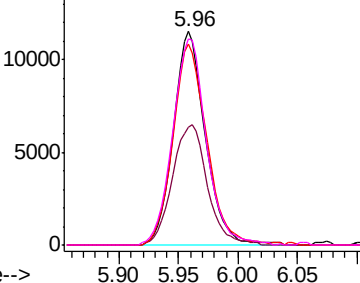


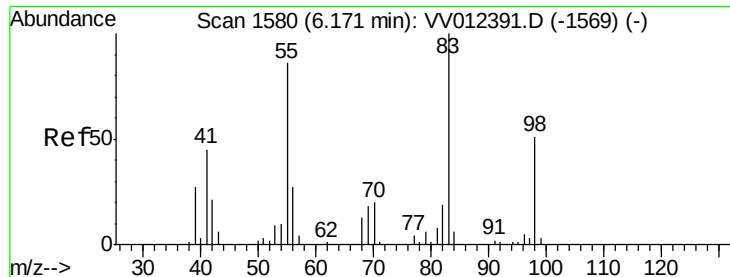
Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.795 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.05 min

Lab File: VV012407.D

Acq: 26 Aug 2019 17:43

Instrument :
MSVOA_V
ClientSampleId :
GANM0

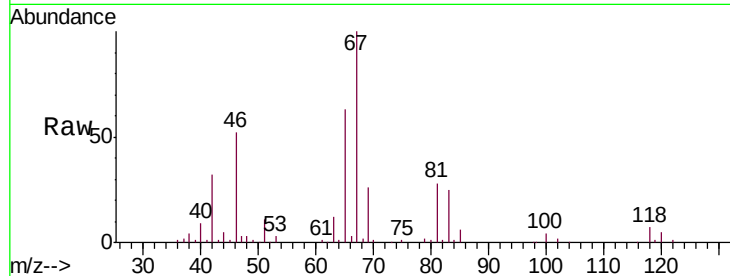
Tgt Ion: 83 Resp: 18932

Ion Ratio Lower Upper

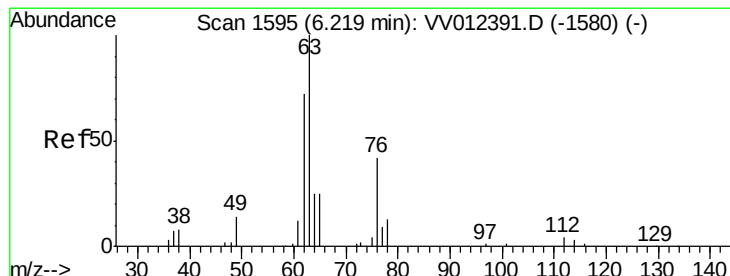
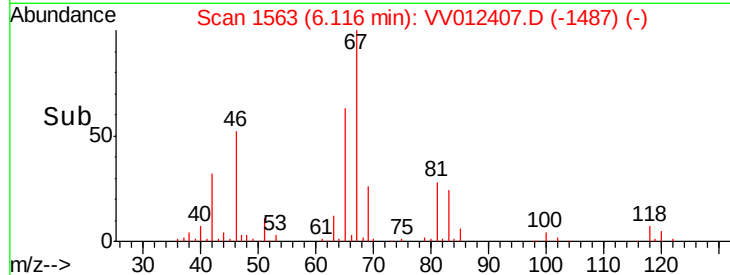
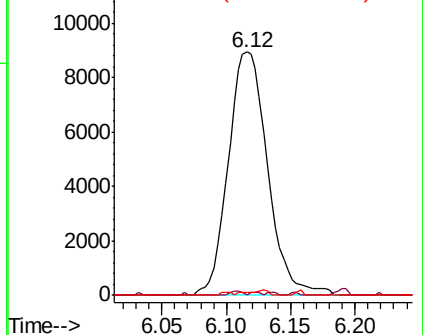
83 100

55 0.4 64.6 97.0#

98 0.0 39.0 58.4#



Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0



#37

1,2-Dichloropropane

Concen: 0.622 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV012407.D

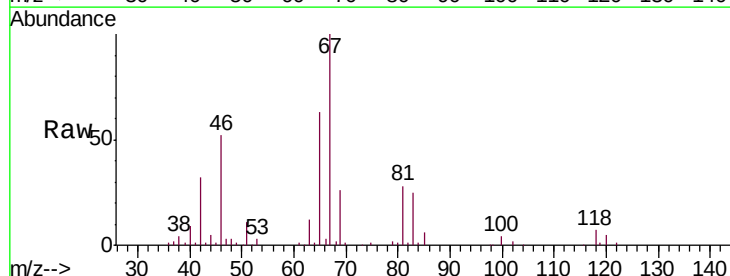
Acq: 26 Aug 2019 17:43

Tgt Ion: 63 Resp: 8860

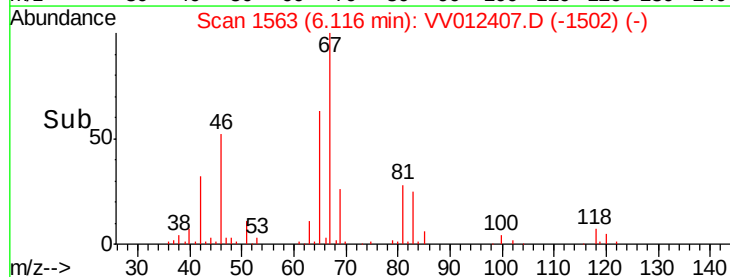
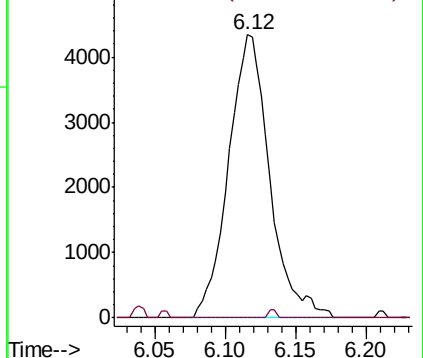
Ion Ratio Lower Upper

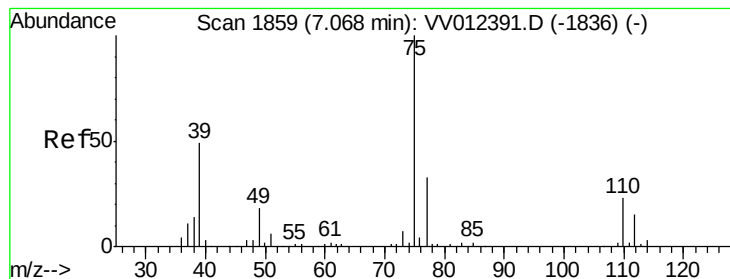
63 100

112 0.5 4.2 6.2#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V





#39

cis-1,3-Dichloropropene

Concen: 0.112 ug/L

RT: 7.03 min Scan# 1846

Delta R.T. -0.04 min

Lab File: VV012407.D

Acq: 26 Aug 2019 17:43

Instrument :

MSVOA_V

ClientSampleId :

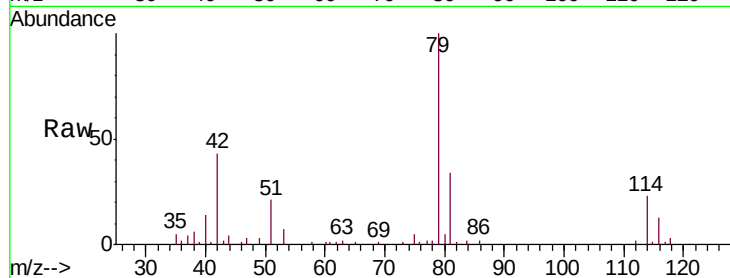
GANM0

Tgt Ion: 75 Resp: 2149

Ion Ratio Lower Upper

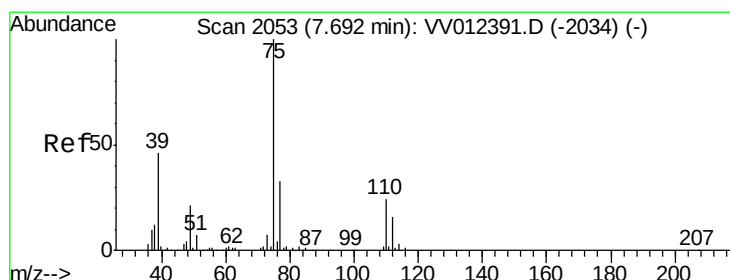
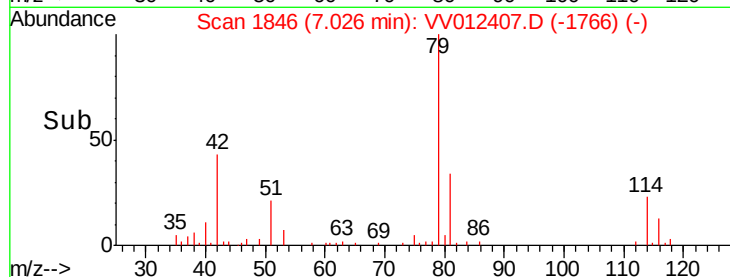
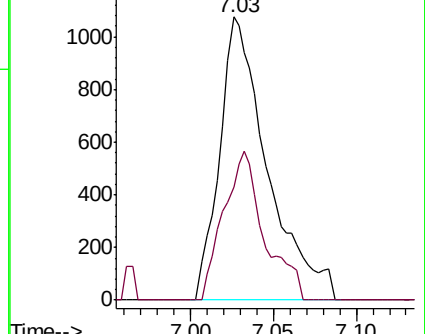
75 100

77 39.9 23.2 43.2



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: 0.084 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV012407.D

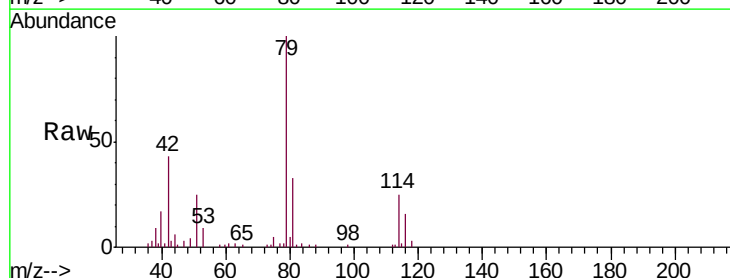
Acq: 26 Aug 2019 17:43

Tgt Ion: 75 Resp: 1216

Ion Ratio Lower Upper

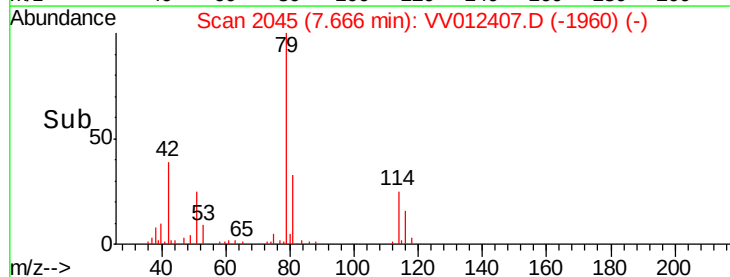
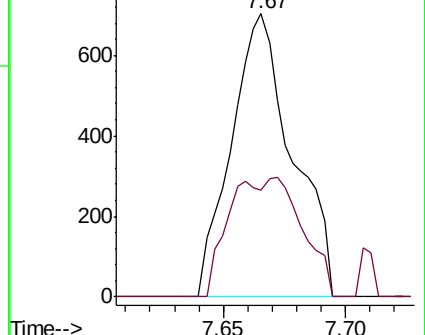
75 100

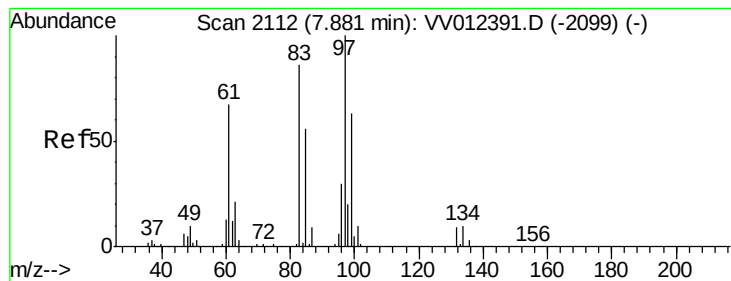
77 37.7 22.6 42.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#45

1,1,2-Trichloroethane

Concen: 3.192 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.14 min

Lab File: VV012407.D

Acq: 26 Aug 2019 17:43

Instrument :

MSVOA_V

ClientSampleId :

GANM0

Tgt Ion: 97 Resp: 29431

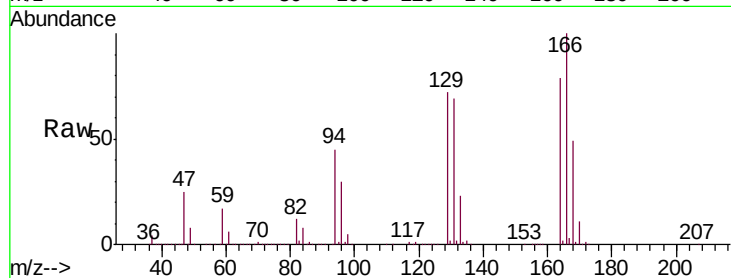
Ion Ratio Lower Upper

97 100

99 15.6 45.0 83.6#

83 264.3 59.3 110.1#

85 40.0 38.8 72.0

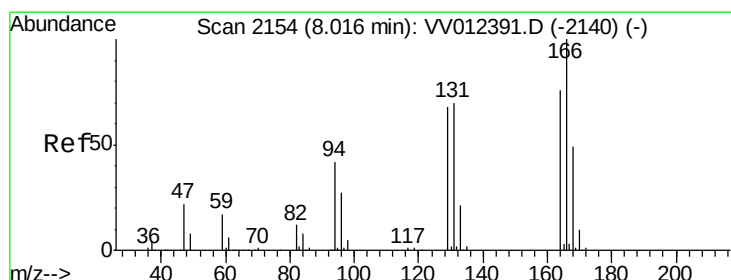
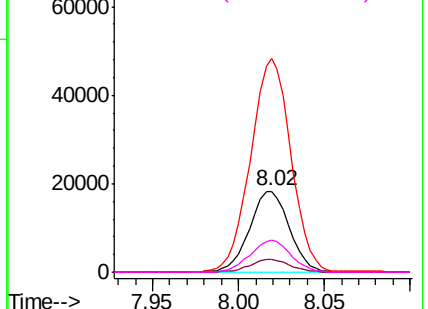
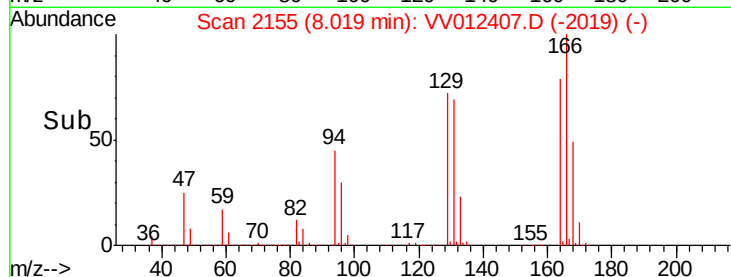


Abundance Ion 96.95 (96.65 to 97.65): VV012391.D (-2099) (-)

Ion 99.05 (98.75 to 99.75): VV012391.D (-2099) (-)

Ion 82.95 (82.65 to 83.65): VV012391.D (-2099) (-)

Ion 85.00 (84.70 to 85.70): VV012391.D (-2099) (-)



#47

Tetrachloroethene

Concen: 285.816 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV012407.D

Acq: 26 Aug 2019 17:43

Tgt Ion: 164 Resp: 3496210

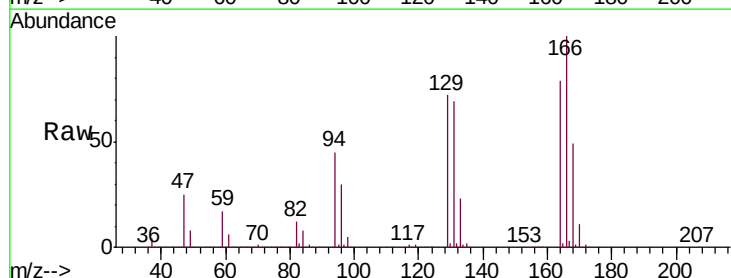
Ion Ratio Lower Upper

164 100

129 90.9 60.6 112.6

131 87.7 58.8 109.2

166 126.8 87.6 162.8

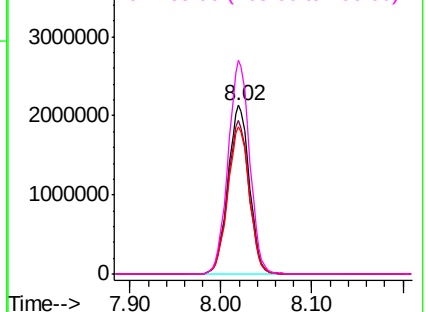
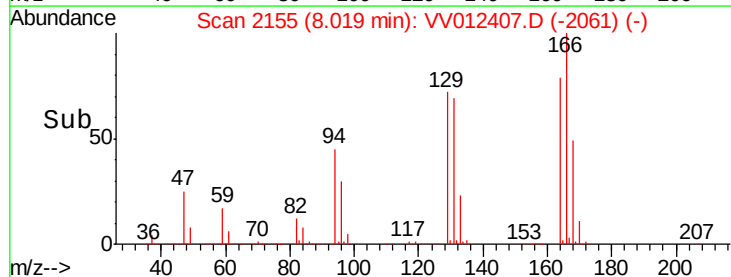


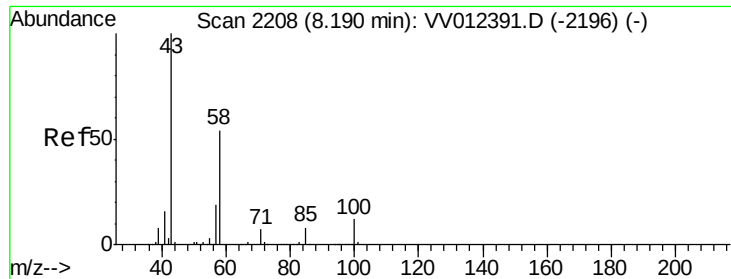
Abundance Ion 163.90 (163.60 to 164.60): VV012391.D (-2140) (-)

Ion 128.95 (128.65 to 129.65): VV012391.D (-2140) (-)

Ion 130.95 (130.65 to 131.65): VV012391.D (-2140) (-)

Ion 165.90 (165.60 to 166.60): VV012391.D (-2140) (-)

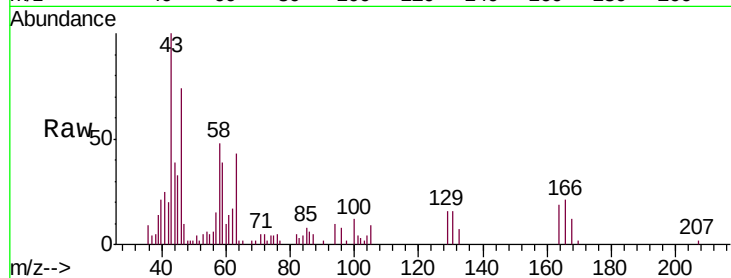




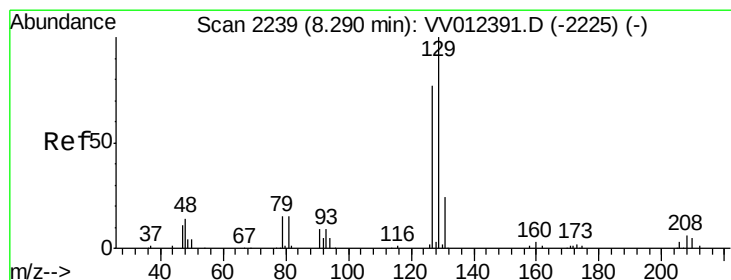
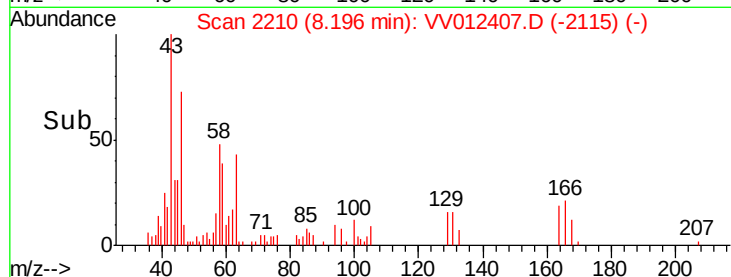
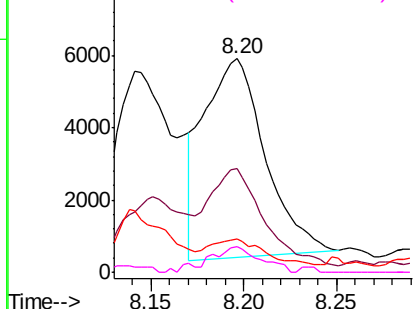
#48
2-Hexanone
Concen: 2.286 ug/L
RT: 8.20 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VV012407.D
Acq: 26 Aug 2019 17:43

Instrument :
MSVOA_V
ClientSampleId :
GANM0

Tgt Ion: 43 Resp: 12579
Ion Ratio Lower Upper
43 100
58 50.1 46.3 69.5
57 13.2 14.9 22.3#
100 9.8 9.7 14.5

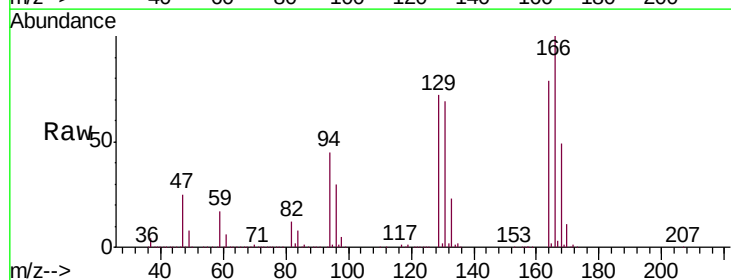


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0



#49
Dibromochloromethane
Concen: 276.730 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. -0.27 min
Lab File: VV012407.D
Acq: 26 Aug 2019 17:43

Tgt Ion: 129 Resp: 3058029
Ion Ratio Lower Upper
129 100
127 0.0 53.8 99.8#



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

