

Data File : VV012408.D
Acq On : 26 Aug 2019 18:11
Operator : SY/MD
Sample : K4501-08
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GANM3

Quant Time: Aug 27 02:25:46 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	224517	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	219999	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	86014	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	49930	4.45	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.00%
7) Chloroethane-d5	1.58	69	33084	4.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.00%
11) 1,1-Dichloroethene-d2	2.13	63	65723	3.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.00%
20) 2-Butanone-d5	3.95	46	144439	47.76	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.52%
24) Chloroform-d	4.40	84	118711	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
26) 1,2-Dichloroethane-d4	5.08	65	59547	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
32) Benzene-d6	5.10	84	237173	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
36) 1,2-Dichloropropane-d6	6.12	67	75833	4.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.60%
41) Toluene-d8	7.36	98	196931	4.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.20%
43) trans-1,3-Dichloropropene-	7.67	79	24195	3.93	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.60%
46) 2-Hexanone-d5	8.14	63	90012	47.16	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.32%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	45078	4.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	69055	4.82	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.40%

Target Compounds

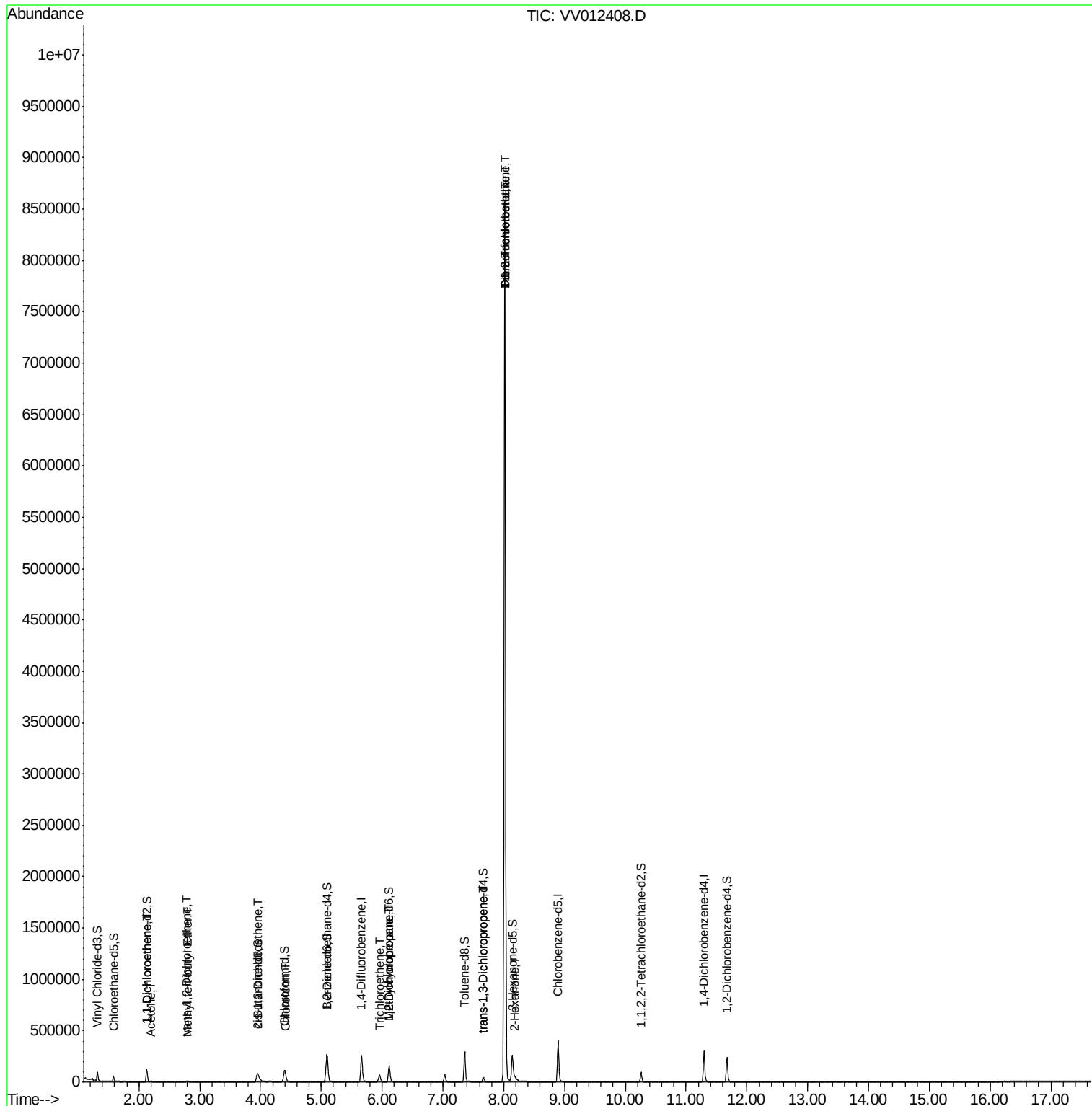
						Qvalue
12) 1,1-Dichloroethene	2.13	96	669	0.074	ug/L #	1
13) Acetone	2.20	43	3823	2.922	ug/L	92
17) Methyl tert-butyl Ether	2.81	73	3256	0.120	ug/L #	91
18) trans-1,2-Dichloroethene	2.79	96	2192	0.164	ug/L #	80
22) cis-1,2-Dichloroethene	3.96	96	5945	0.407	ug/L	98
25) Chloroform	4.43	83	5910	0.213	ug/L	96
34) Trichloroethene	5.96	95	22496	1.486	ug/L	97
35) Methylcyclohexane	6.12	83	18126	0.762	ug/L #	16
37) 1,2-Dichloropropane	6.11	63	8694	0.612	ug/L #	87
44) trans-1,3-Dichloropropene	7.67	75	1094	0.076	ug/L #	35
45) 1,1,2-Trichloroethane	8.02	97	15390	1.671	ug/L #	1
47) Tetrachloroethene	8.02	164	1930590	158.034	ug/L	96
48) 2-Hexanone	8.19	43	13235	2.409	ug/L #	88
49) Dibromochloromethane	8.02	129	1684670	152.652	ug/L #	11

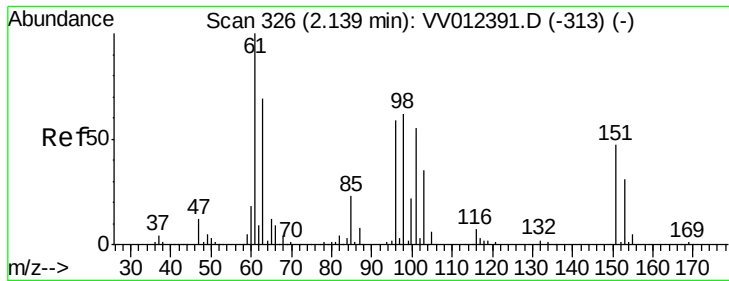
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.074 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV012408.D

Acq: 26 Aug 2019 18:11

Instrument :

MSVOA_V

ClientSampleId :

GANM3

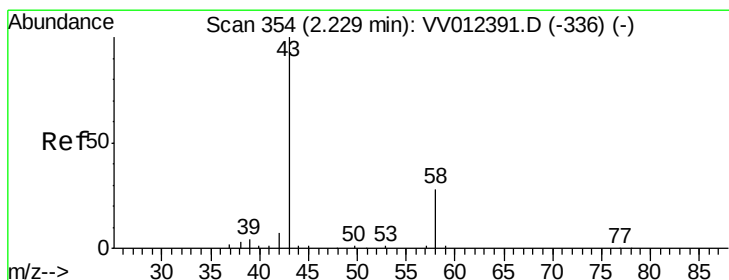
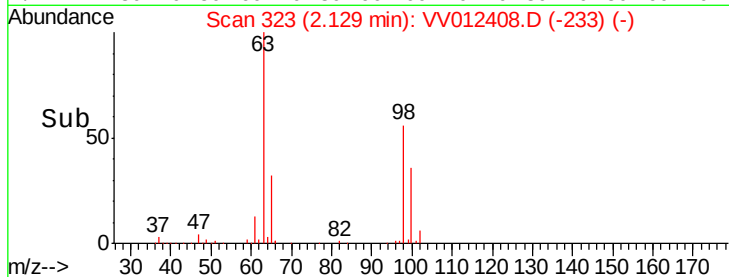
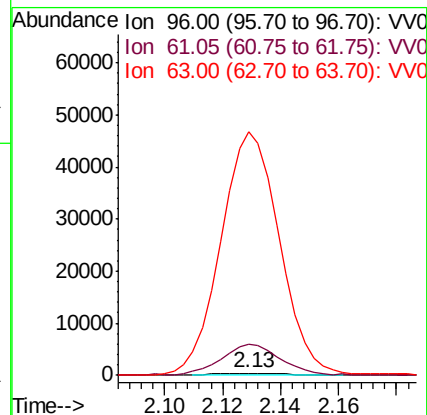
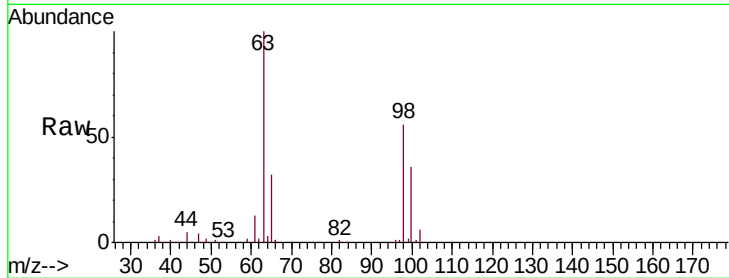
Tgt Ion: 96 Resp: 669

Ion Ratio Lower Upper

96 100

61 1377.1 122.3 227.1#

63 10573.8 90.6 168.2#



#13

Acetone

Concen: 2.922 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.03 min

Lab File: VV012408.D

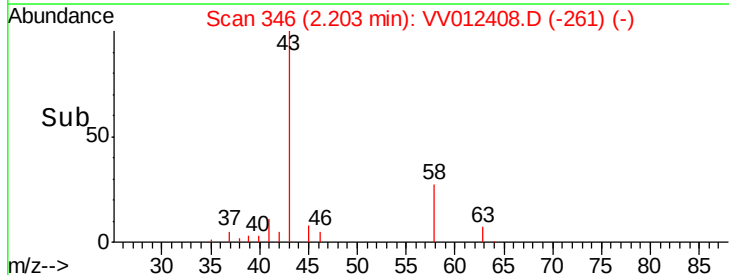
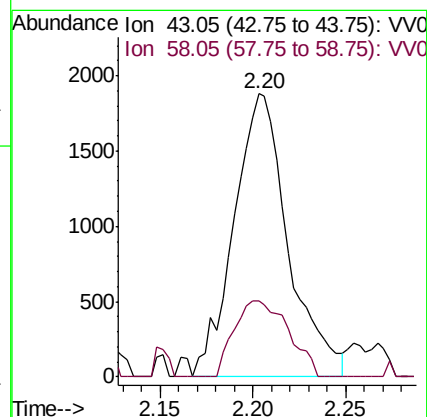
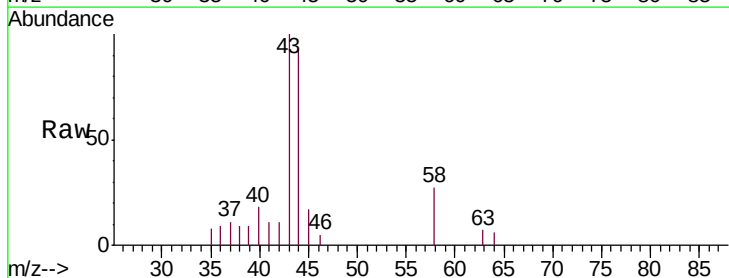
Acq: 26 Aug 2019 18:11

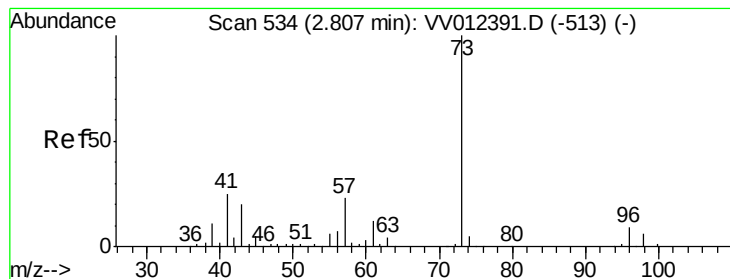
Tgt Ion: 43 Resp: 3823

Ion Ratio Lower Upper

43 100

58 27.2 0.0 62.8



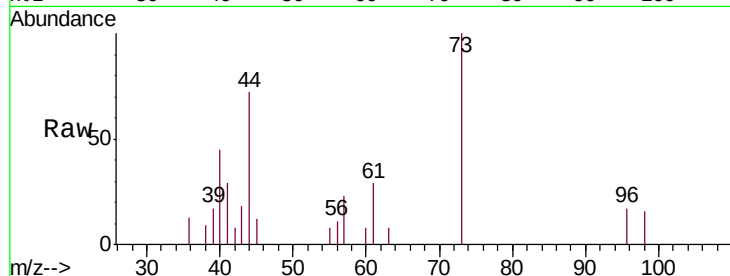


#17

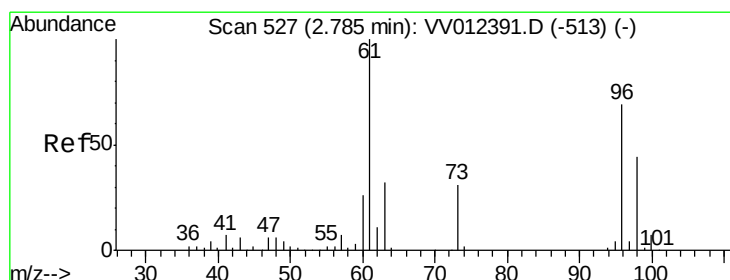
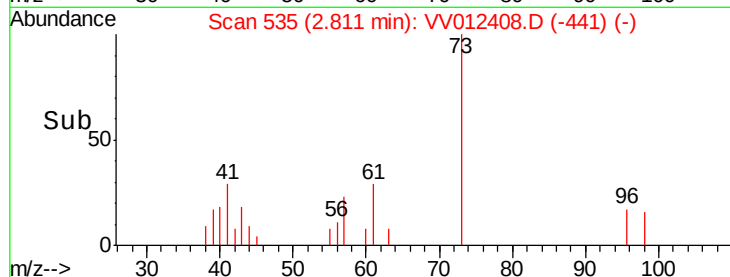
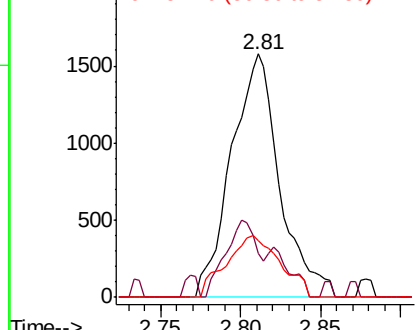
Methyl tert-butyl Ether
 Concen: 0.120 ug/L
 RT: 2.81 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: VV012408.D
 Acq: 26 Aug 2019 18:11

Instrument :
 MSVOA_V
 ClientSampleId :
 GANM3

Tgt Ion: 73 Resp: 3256
 Ion Ratio Lower Upper
 73 100
 43 20.8 15.0 22.6
 57 28.3 18.0 27.0#



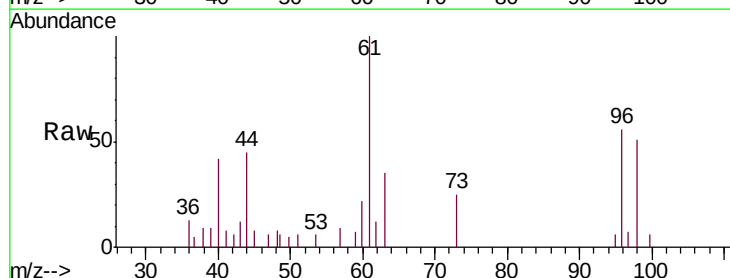
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



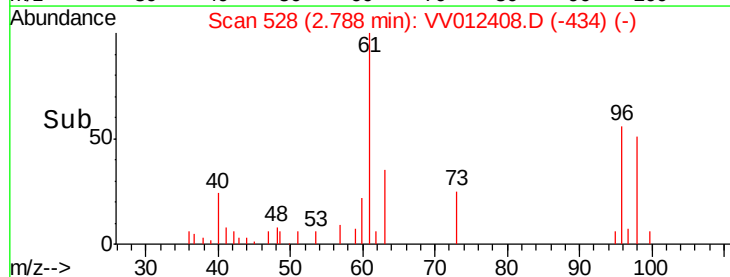
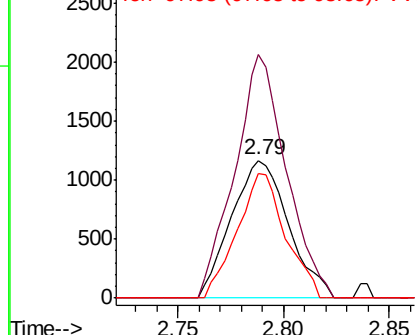
#18

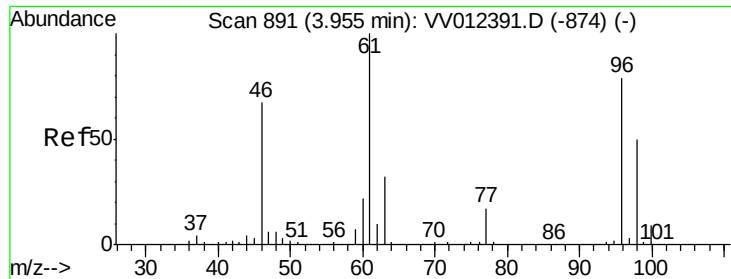
trans-1,2-Dichloroethene
 Concen: 0.164 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VV012408.D
 Acq: 26 Aug 2019 18:11

Tgt Ion: 96 Resp: 2192
 Ion Ratio Lower Upper
 96 100
 61 157.7 96.0 178.4
 98 80.7 42.1 78.3#



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



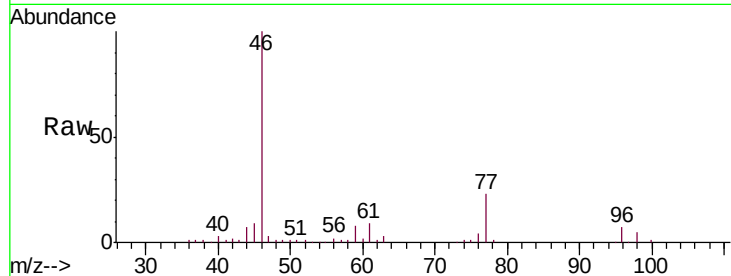


#22

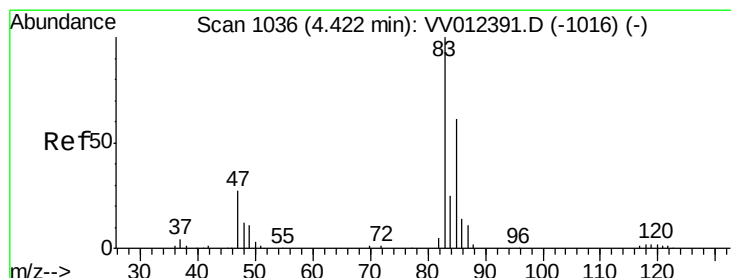
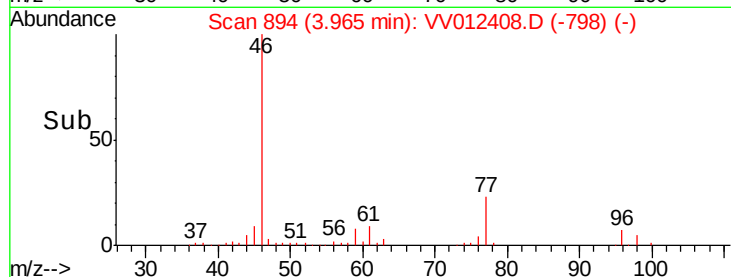
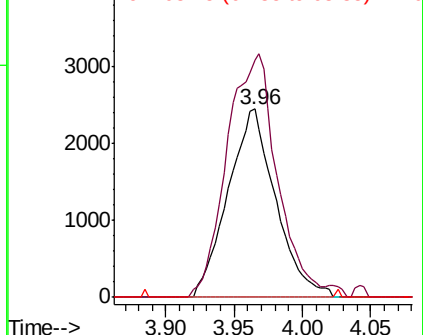
cis-1,2-Dichloroethene
Concen: 0.407 ug/L
RT: 3.96 min Scan# 894
Delta R.T. 0.01 min
Lab File: VV012408.D
Acq: 26 Aug 2019 18:11

Instrument :
MSVOA_V
ClientSampled :
GANM3

Tgt Ion: 96 Resp: 5945
Ion Ratio Lower Upper
96 100
61 125.7 89.4 166.0
68 0.0 0.0 0.0



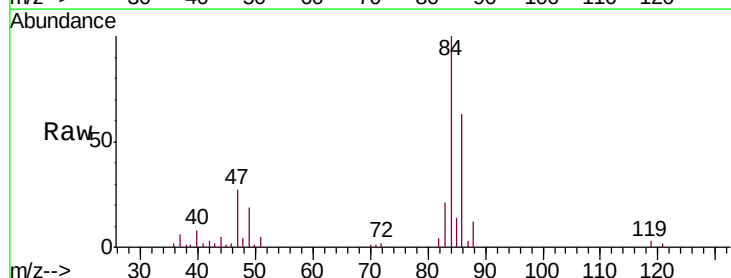
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



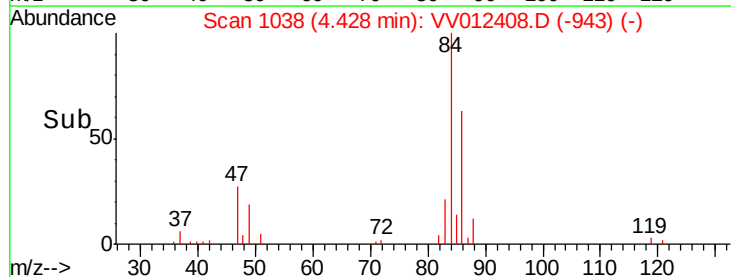
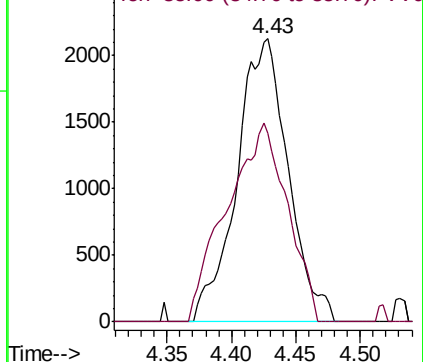
#25

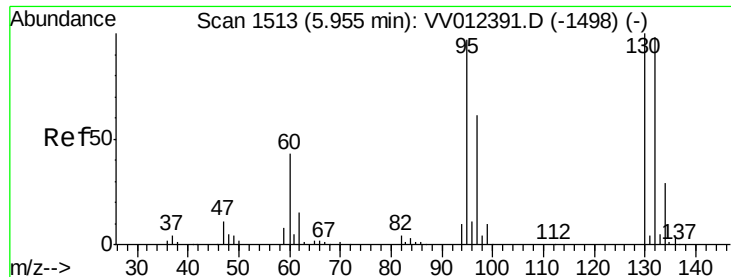
Chloroform
Concen: 0.213 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VV012408.D
Acq: 26 Aug 2019 18:11

Tgt Ion: 83 Resp: 5910
Ion Ratio Lower Upper
83 100
85 66.8 44.6 82.8



Abundance Ion 83.05 (82.75 to 83.75): VV0
Ion 85.00 (84.70 to 85.70): VV0

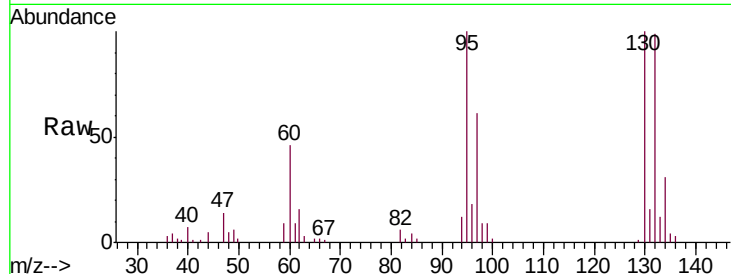




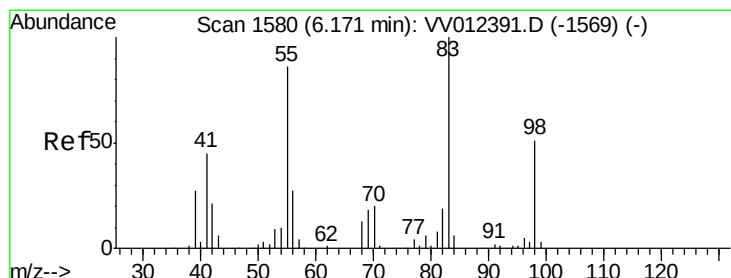
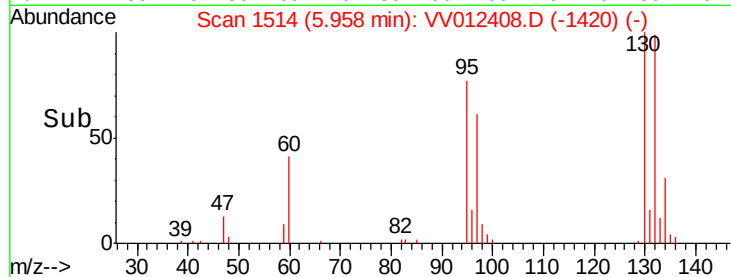
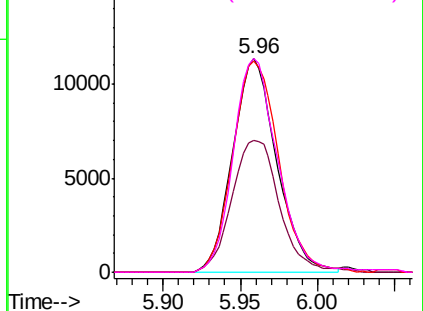
#34
 Trichloroethene
 Concen: 1.486 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV012408.D
 Acq: 26 Aug 2019 18:11

Instrument :
 MSVOA_V
 ClientSampleId :
 GANM3

Tgt Ion: 95 Resp: 22496
 Ion Ratio Lower Upper
 95 100
 97 61.5 46.3 86.1
 132 98.8 70.3 130.7
 130 100.1 72.4 134.5

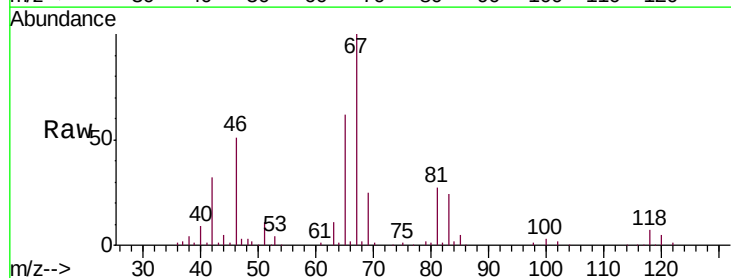


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

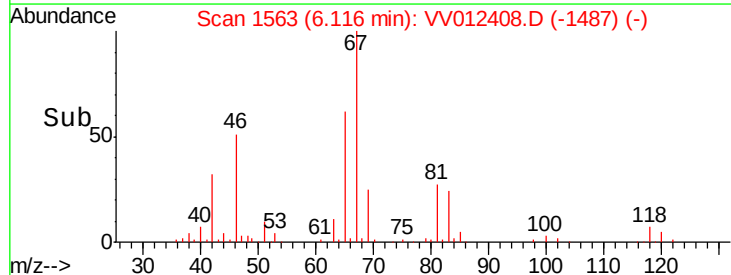
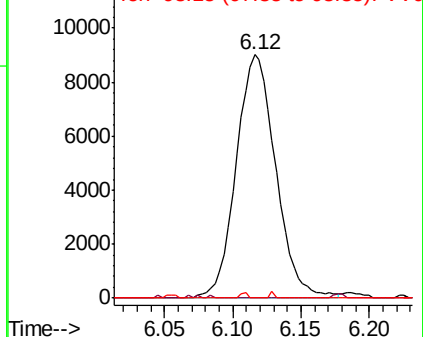


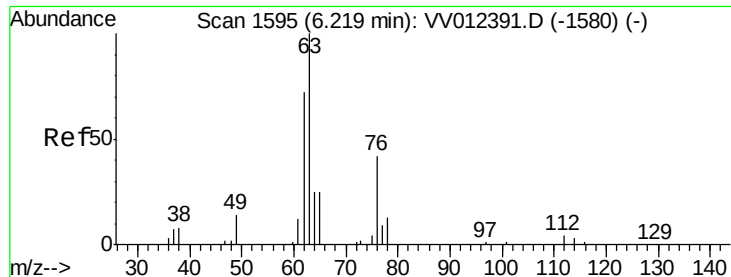
#35
 Methylcyclohexane
 Concen: 0.762 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.05 min
 Lab File: VV012408.D
 Acq: 26 Aug 2019 18:11

Tgt Ion: 83 Resp: 18126
 Ion Ratio Lower Upper
 83 100
 55 0.1 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

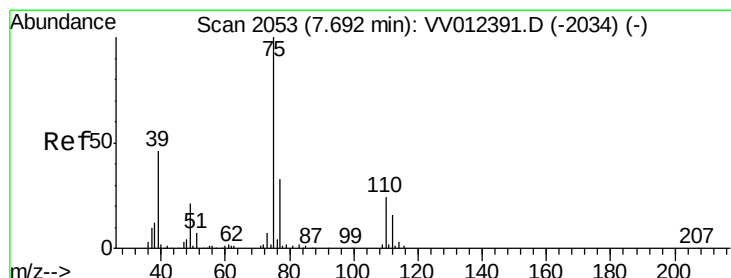
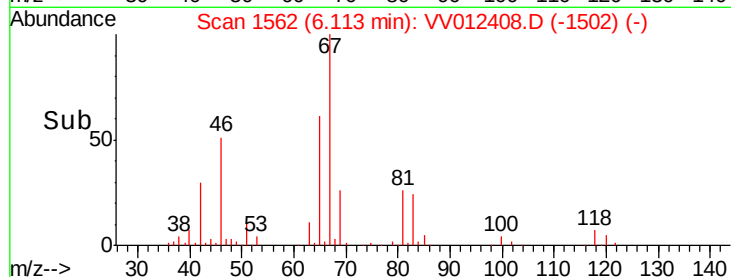
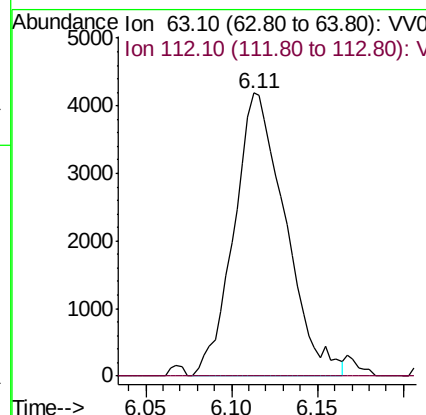
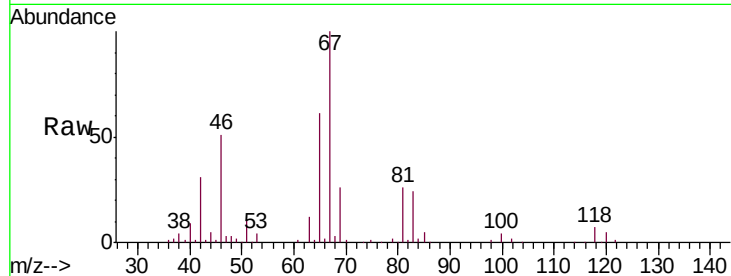




#37
 1,2-Dichloropropane
 Concen: 0.612 ug/L
 RT: 6.11 min Scan# 1562
 Delta R.T. -0.11 min
 Lab File: VV012408.D
 Acq: 26 Aug 2019 18:11

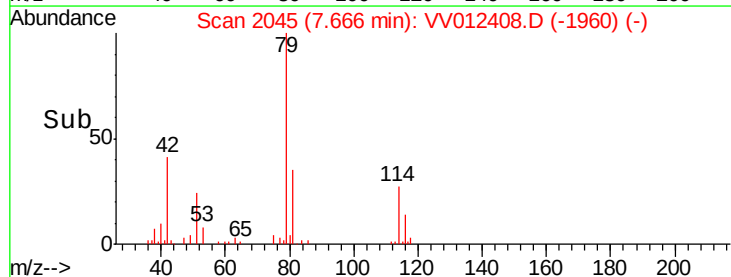
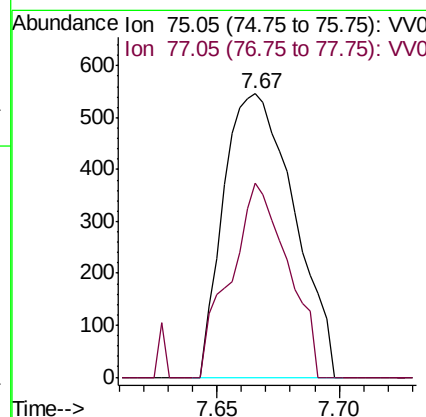
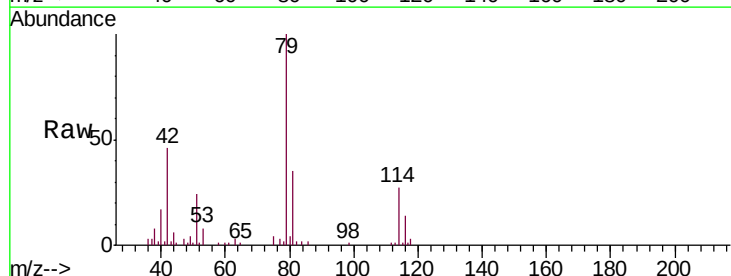
Instrument :
 MSVOA_V
 ClientSampleId :
 GANM3

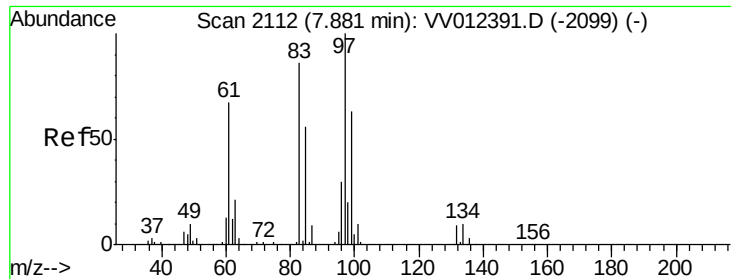
Tgt Ion: 63 Resp: 8694
 Ion Ratio Lower Upper
 63 100
 112 0.8 4.2 6.2#



#44
 trans-1,3-Dichloropropene
 Concen: 0.076 ug/L
 RT: 7.67 min Scan# 2045
 Delta R.T. -0.03 min
 Lab File: VV012408.D
 Acq: 26 Aug 2019 18:11

Tgt Ion: 75 Resp: 1094
 Ion Ratio Lower Upper
 75 100
 77 68.5 22.6 42.0#





#45

1,1,2-Trichloroethane

Concen: 1.671 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.14 min

Lab File: VV012408.D

Acq: 26 Aug 2019 18:11

Instrument :

MSVOA_V

ClientSampleId :

GANM3

Tgt Ion: 97 Resp: 15390

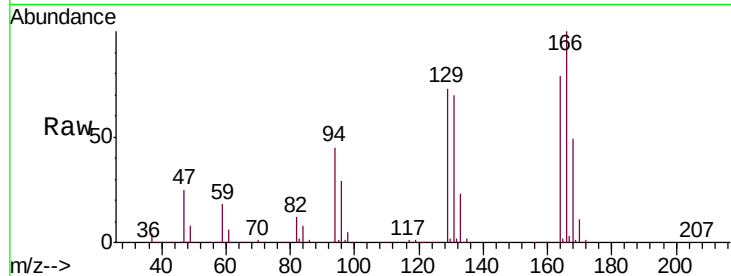
Ion Ratio Lower Upper

97 100

99 15.0 45.0 83.6#

83 288.5 59.3 110.1#

85 39.8 38.8 72.0

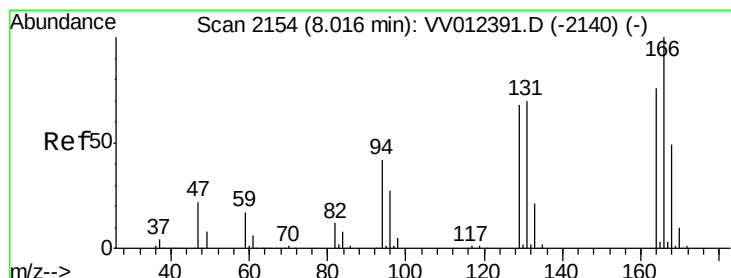
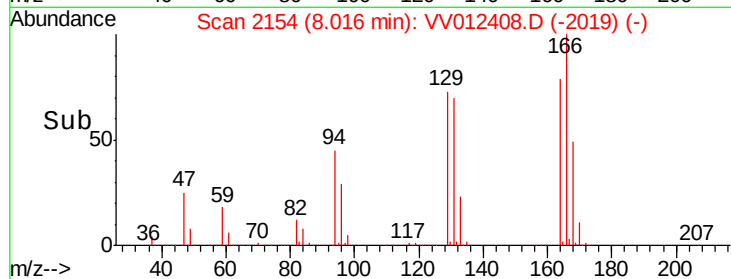
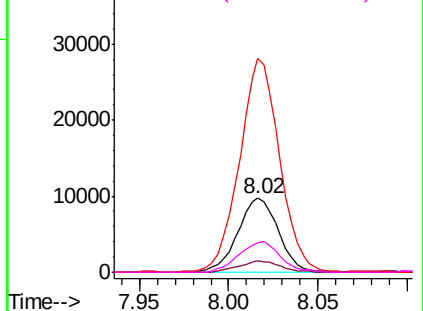


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 158.034 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV012408.D

Acq: 26 Aug 2019 18:11

Tgt Ion: 164 Resp: 1930590

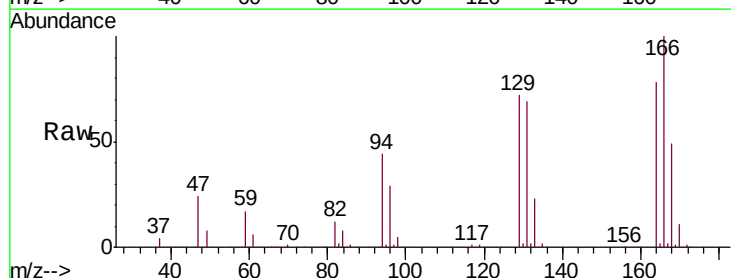
Ion Ratio Lower Upper

164 100

129 91.8 60.6 112.6

131 88.5 58.8 109.2

166 127.9 87.6 162.8

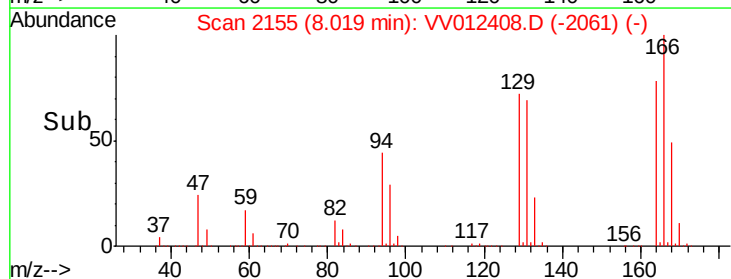
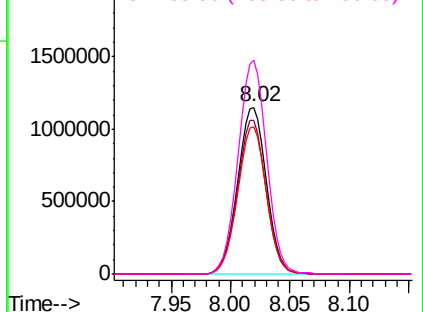


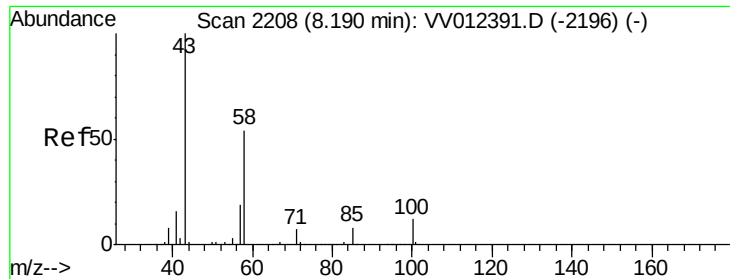
Abundance Ion 163.90 (163.60 to 164.60): V

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

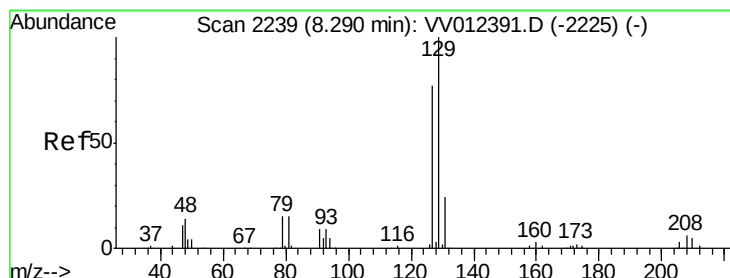
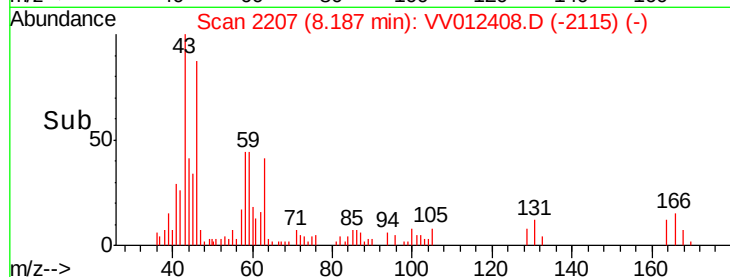
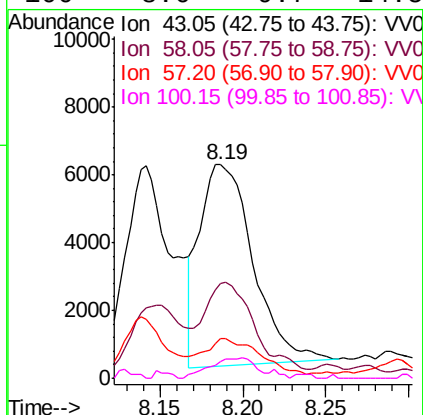
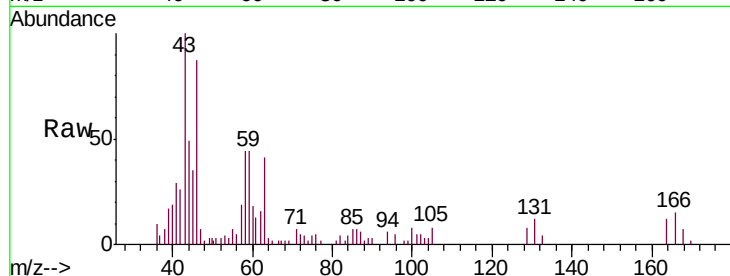




#48
 2-Hexanone
 Concen: 2.409 ug/L
 RT: 8.19 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: VV012408.D
 Acq: 26 Aug 2019 18:11

Instrument :
 MSVOA_V
 ClientSampleId :
 GANM3

Tgt Ion:	43	Resp:	13235
Ion	Ratio	Lower	Upper
43	100		
58	45.5	46.3	69.5#
57	19.1	14.9	22.3
100	8.6	9.7	14.5#



#49
 Dibromochloromethane
 Concen: 152.652 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.27 min
 Lab File: VV012408.D
 Acq: 26 Aug 2019 18:11

Tgt Ion:	129	Resp:	1684670
Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.8	99.8#

