

Data File : VV012609.D
Acq On : 06 Sep 2019 20:27
Operator : SY/MD
Sample : K4703-08
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFD91

Quant Time: Sep 07 01:10:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Sep 07 01:06:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	108458	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	113435	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	36016	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	50268	4.95	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.00%
7) Chloroethane-d5	1.58	69	56534	6.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	123.00%
11) 1,1-Dichloroethene-d2	2.13	63	76484	3.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.40%
20) 2-Butanone-d5	3.95	46	164609	83.21	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	166.42%#
24) Chloroform-d	4.40	84	82416	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.80%
26) 1,2-Dichloroethane-d4	5.08	65	52411	6.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	130.00%
32) Benzene-d6	5.10	84	141429	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
36) 1,2-Dichloropropane-d6	6.12	67	52985	5.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	115.00%
41) Toluene-d8	7.36	98	108838	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.80%
43) trans-1,3-Dichloropropene-	7.67	79	15499	4.79	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.80%
46) 2-Hexanone-d5	8.14	63	87972	71.16	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	142.32%#
57) 1,1,2,2-Tetrachloroethane-	10.26	84	41351	6.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	126.80%#
64) 1,2-Dichlorobenzene-d4	11.67	152	37090	6.17	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	123.40%#

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	1282	0.083 ug/L	98
12) 1,1-Dichloroethene	2.14	96	5295	0.410 ug/L #	1
13) Acetone	2.21	43	7578	3.158 ug/L	82
16) Methylene chloride	2.54	84	1913	0.128 ug/L	72
19) 1,1-Dichloroethane	3.23	63	1447	0.073 ug/L #	58
22) cis-1,2-Dichloroethene	3.96	96	17733	1.747 ug/L	89
25) Chloroform	4.42	83	7533	0.353 ug/L	94
27) 1,2-Dichloroethane	5.18	62	5416	0.425 ug/L #	90
31) Carbon tetrachloride	4.87	117	10277	0.694 ug/L	99
34) Trichloroethene	5.96	95	1118733	97.790 ug/L	99
35) Methylcyclohexane	6.12	83	11998	0.702 ug/L #	16
37) 1,2-Dichloropropane	6.23	63	6042	0.561 ug/L #	91
45) 1,1,2-Trichloroethane	7.89	97	815	0.112 ug/L #	84
47) Tetrachloroethene	8.02	164	407105	48.817 ug/L	98
48) 2-Hexanone	8.19	43	12179	2.690 ug/L #	85
49) Dibromochloromethane	8.02	129	375679	45.425 ug/L #	12

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV090619\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Sep 07 01:06:07 2019
Response via : Initial Calibration

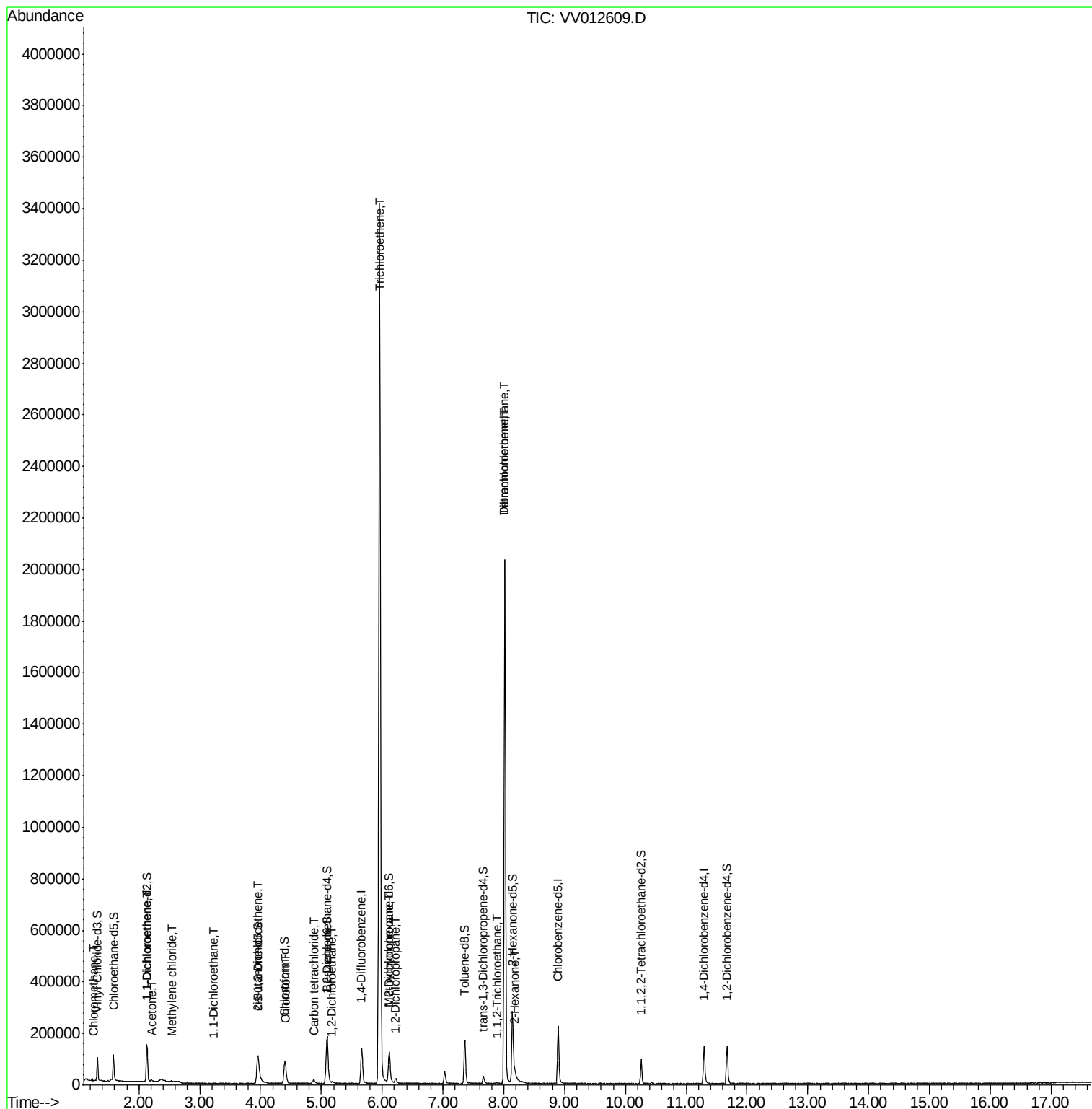
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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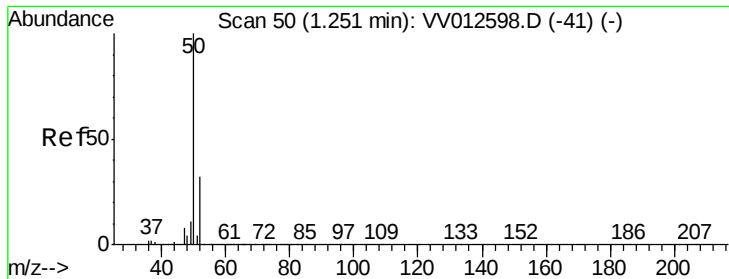
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.083 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012609.D

Acq: 06 Sep 2019 20:27

Instrument :

MSVOA_V

ClientSampleId :

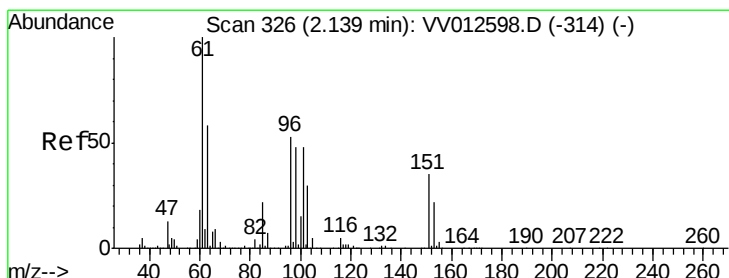
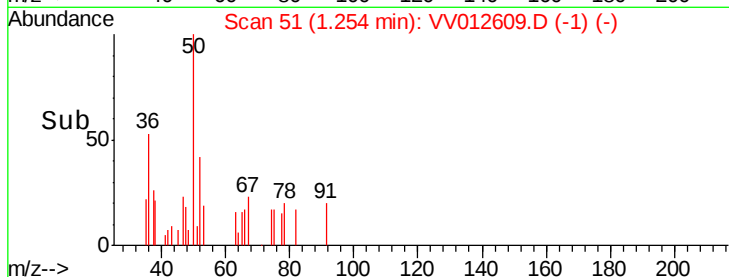
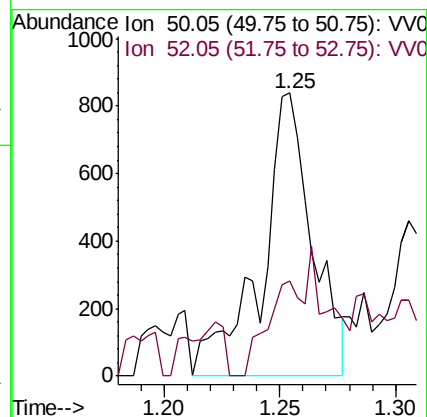
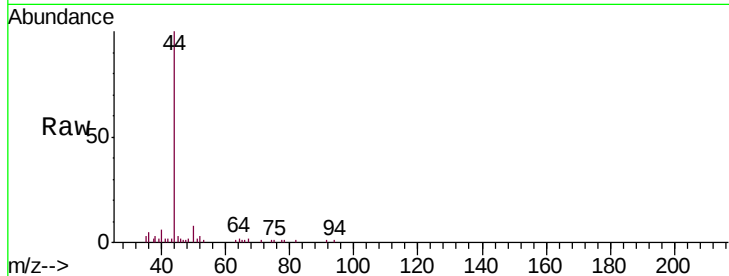
BFD91

Tgt Ion: 50 Resp: 1282

Ion Ratio Lower Upper

50 100

52 33.9 22.8 42.4



#12

1,1-Dichloroethene

Concen: 0.410 ug/L

RT: 2.14 min Scan# 328

Delta R.T. 0.01 min

Lab File: VV012609.D

Acq: 06 Sep 2019 20:27

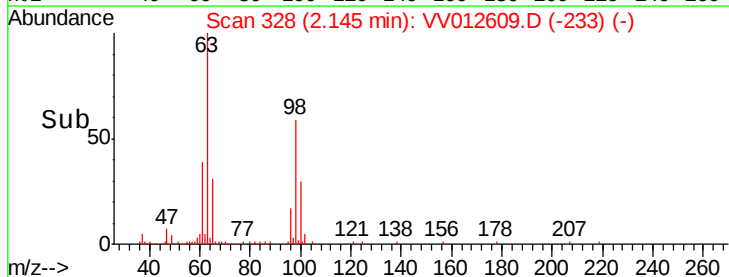
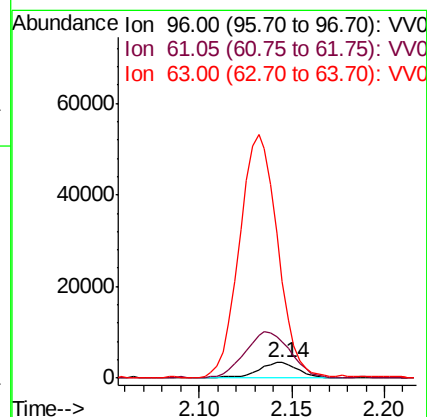
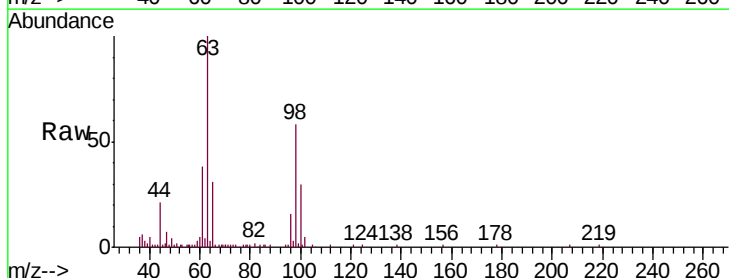
Tgt Ion: 96 Resp: 5295

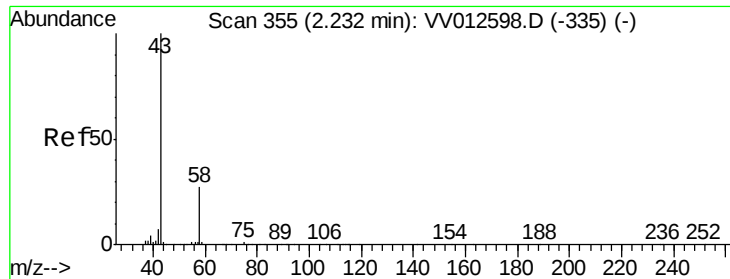
Ion Ratio Lower Upper

96 100

61 233.2 132.7 246.5

63 610.7 84.1 156.1#





#13

Acetone

Concen: 3.158 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.03 min

Lab File: VV012609.D

Acq: 06 Sep 2019 20:27

Instrument :

MSVOA_V

ClientSampleId :

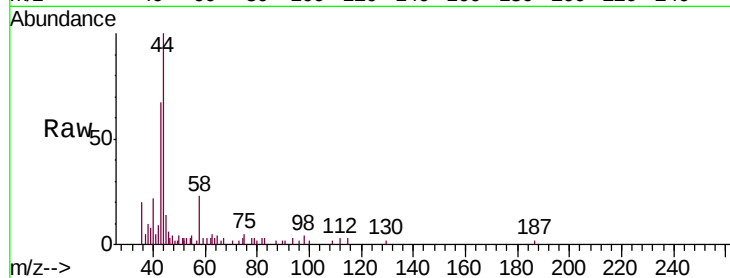
BFD91

Tgt Ion: 43 Resp: 7578

Ion Ratio Lower Upper

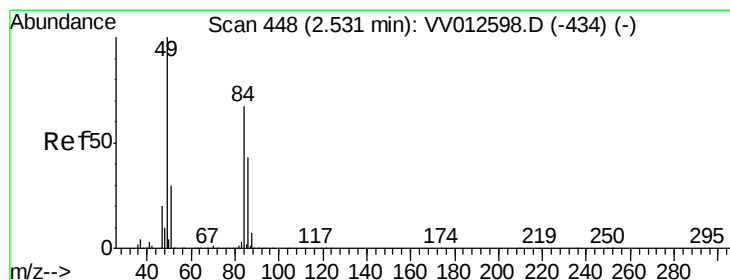
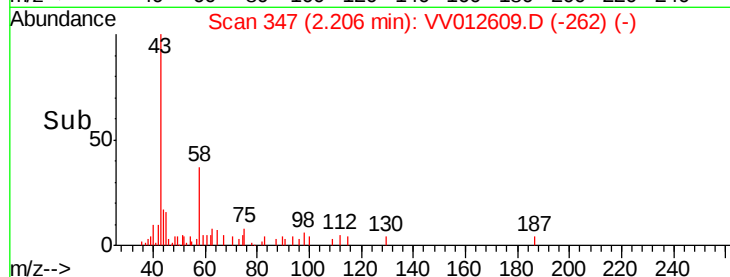
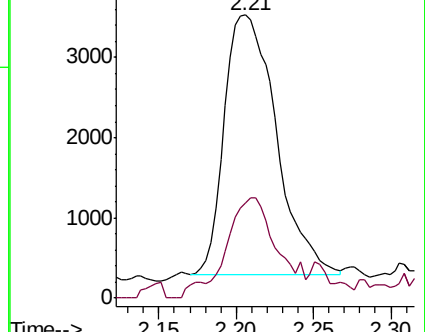
43 100

58 38.0 0.0 57.0



Abundance Ion 43.05 (42.75 to 43.75): VV012598.D (-335) (-)

Ion 58.05 (57.75 to 58.75): VV012598.D (-335) (-)



#16

Methylene chloride

Concen: 0.128 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.01 min

Lab File: VV012609.D

Acq: 06 Sep 2019 20:27

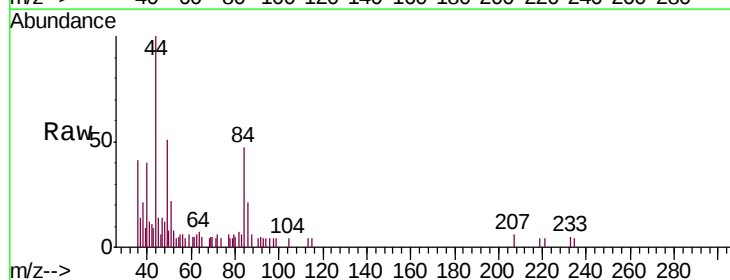
Tgt Ion: 84 Resp: 1913

Ion Ratio Lower Upper

84 100

86 45.2 43.6 81.0

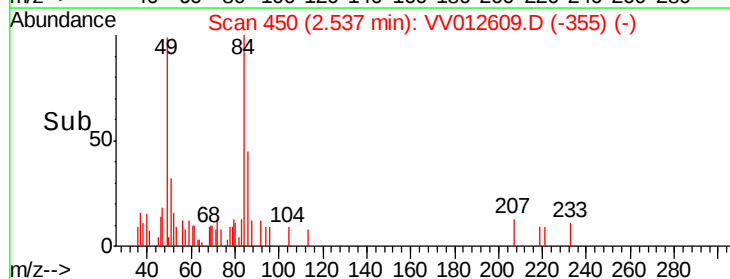
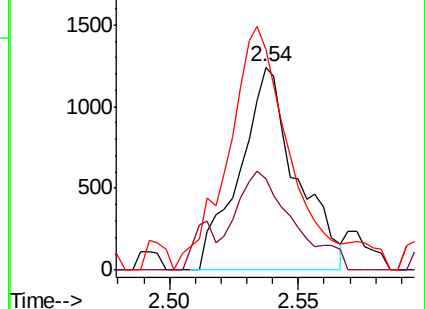
49 108.6 103.0 191.2

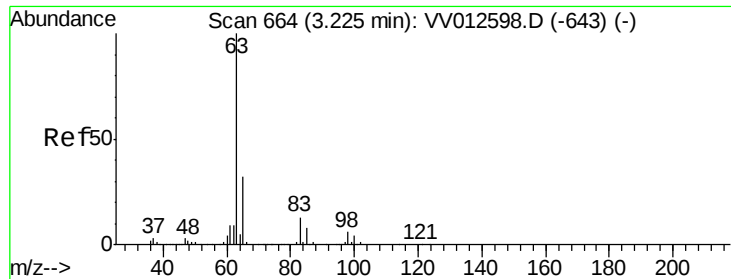


Abundance Ion 84.05 (83.75 to 84.75): VV012598.D (-434) (-)

Ion 86.00 (85.70 to 86.70): VV012598.D (-434) (-)

Ion 49.10 (48.80 to 49.80): VV012598.D (-434) (-)

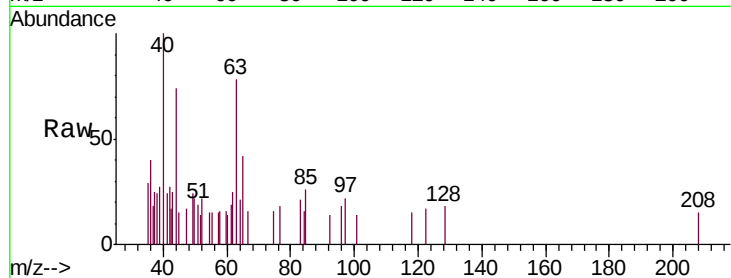




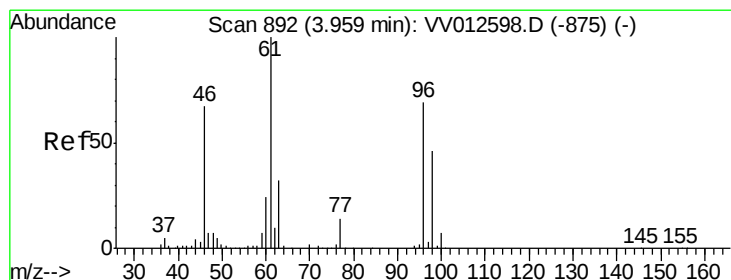
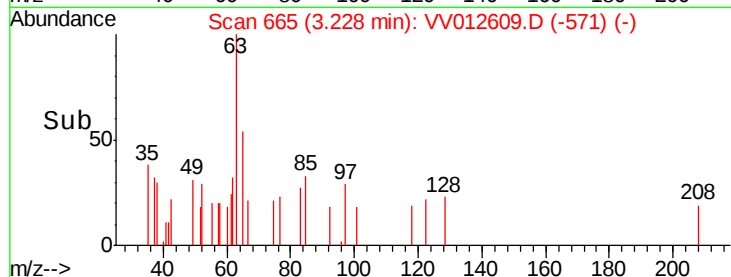
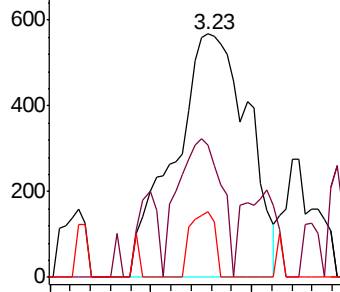
#19
 1,1-Dichloroethane
 Concen: 0.073 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV012609.D
 Acq: 06 Sep 2019 20:27

Instrument :
 MSVOA_V
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 BFD91

Tgt Ion: 63 Resp: 1447
 Ion Ratio Lower Upper
 63 100
 65 54.2 20.9 38.9#
 83 26.8 8.8 16.3#

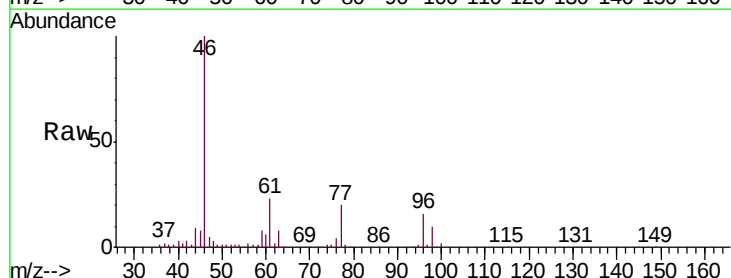


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

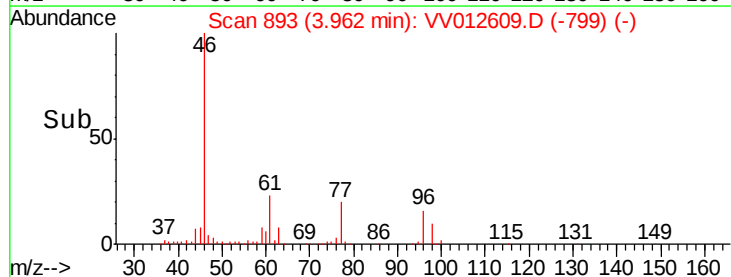
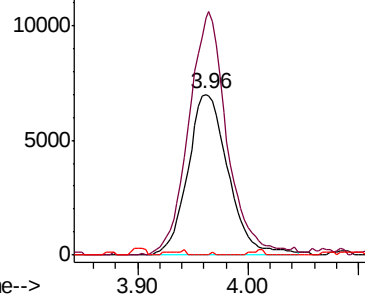


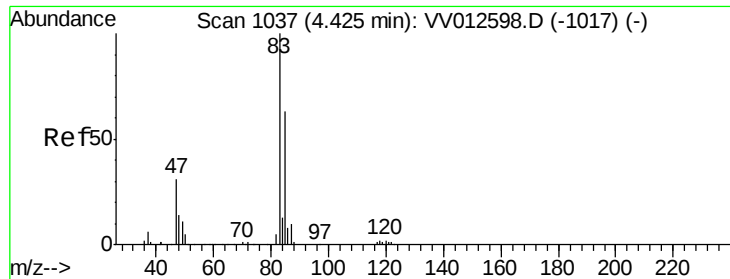
#22
 cis-1,2-Dichloroethene
 Concen: 1.747 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV012609.D
 Acq: 06 Sep 2019 20:27

Tgt Ion: 96 Resp: 17733
 Ion Ratio Lower Upper
 96 100
 61 147.1 93.9 174.5
 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

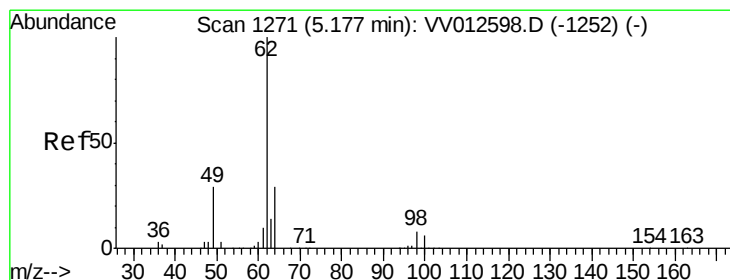
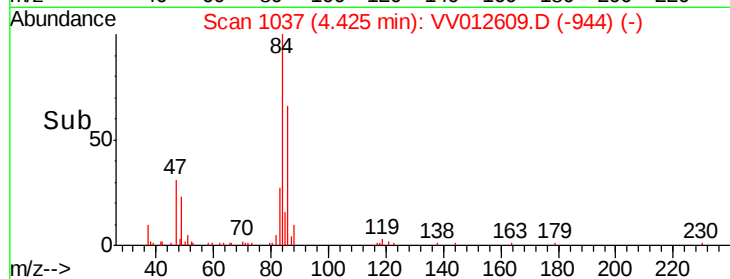
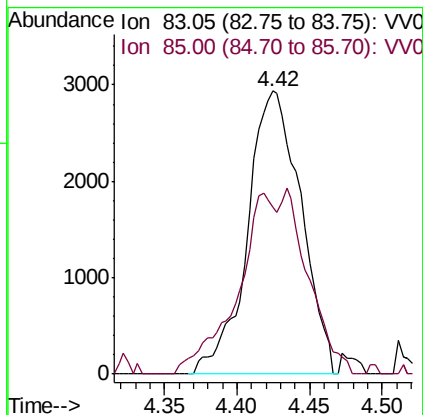
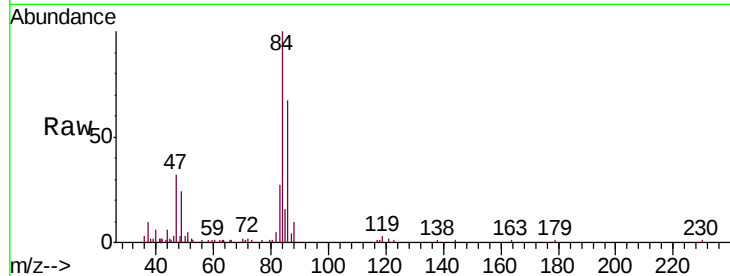




#25
Chloroform
Concen: 0.353 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV012609.D
Acq: 06 Sep 2019 20:27

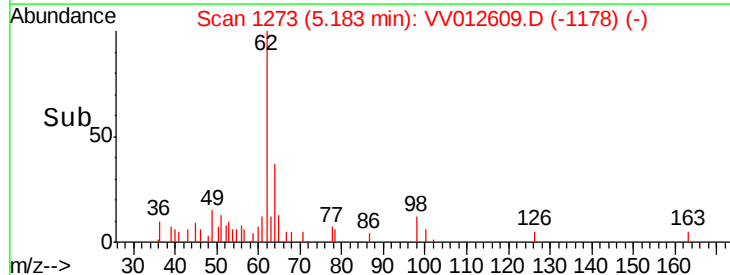
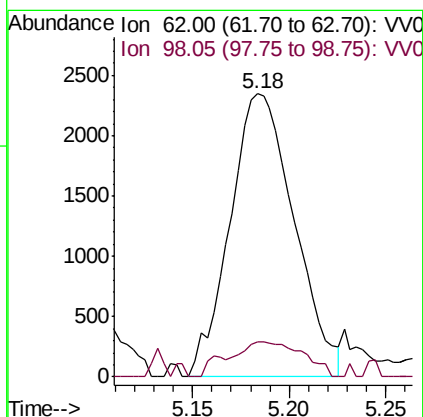
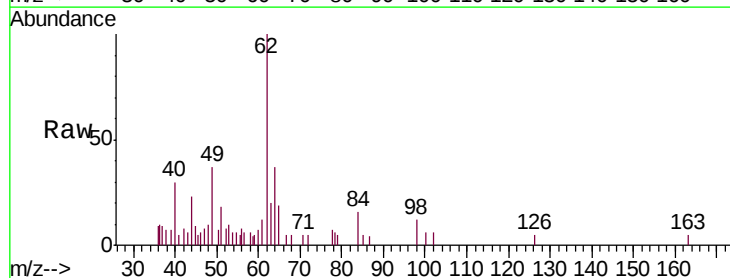
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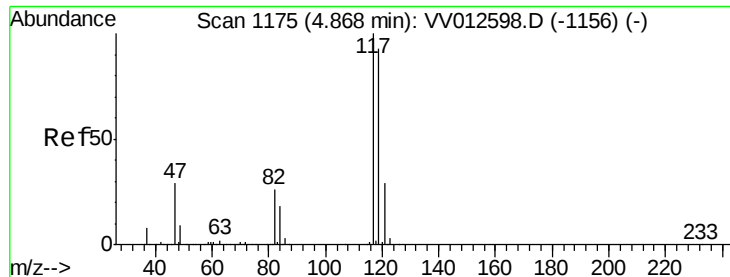
Tgt Ion: 83 Resp: 7533
Ion Ratio Lower Upper
83 100
85 58.9 44.4 82.5



#27
1,2-Dichloroethane
Concen: 0.425 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VV012609.D
Acq: 06 Sep 2019 20:27

Tgt Ion: 62 Resp: 5416
Ion Ratio Lower Upper
62 100
98 12.3 7.0 10.4#

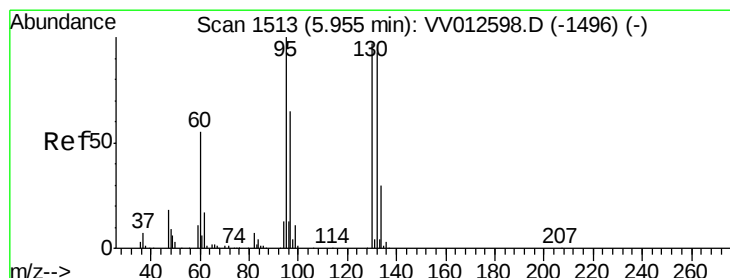
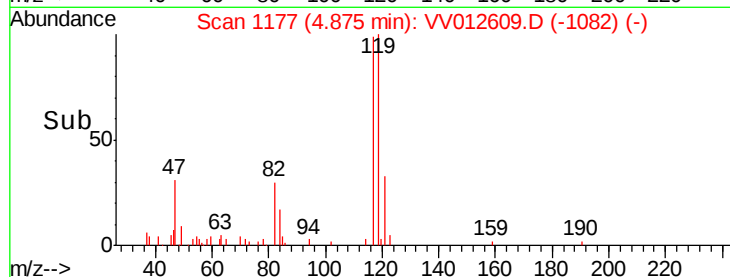
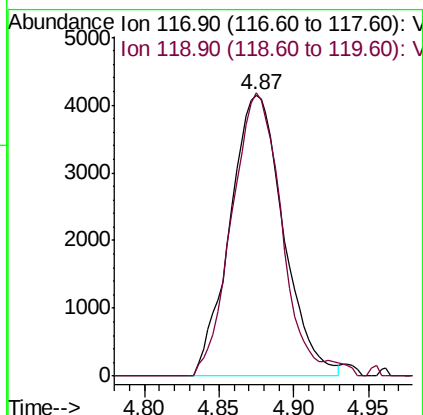
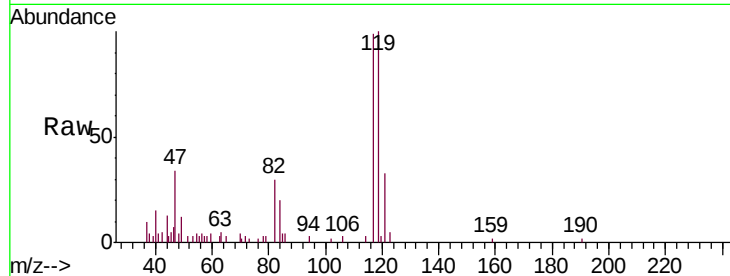




#31
Carbon tetrachloride
Concen: 0.694 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VV012609.D
Acq: 06 Sep 2019 20:27

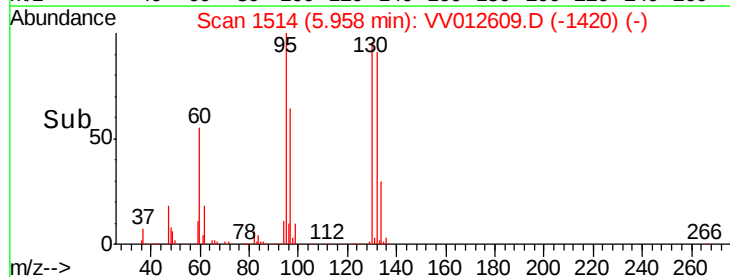
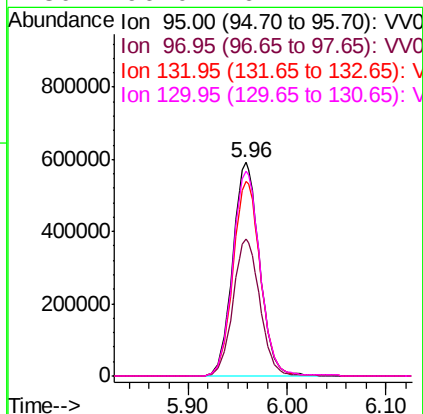
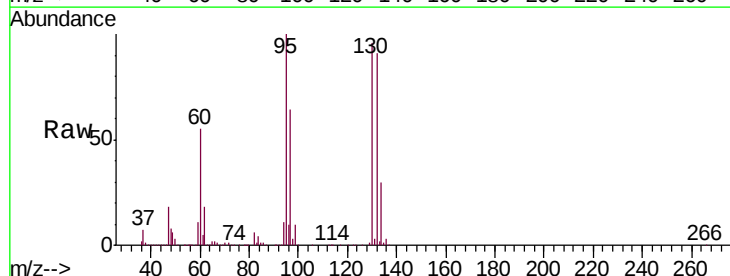
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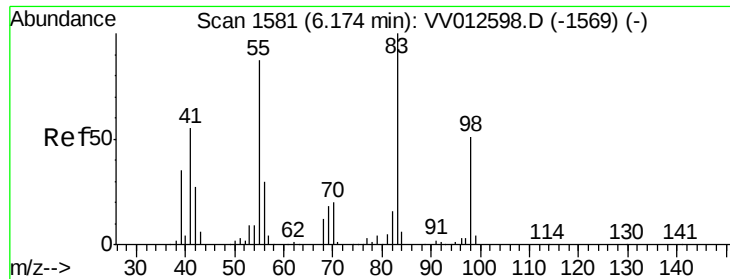
Tgt Ion: 117 Resp: 10277
Ion Ratio Lower Upper
117 100
119 95.1 76.9 115.3



#34
Trichloroethene
Concen: 97.790 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VV012609.D
Acq: 06 Sep 2019 20:27

Tgt Ion: 95 Resp: 1118733
Ion Ratio Lower Upper
95 100
97 64.2 43.9 81.5
132 91.1 64.8 120.4
130 96.0 67.1 124.7

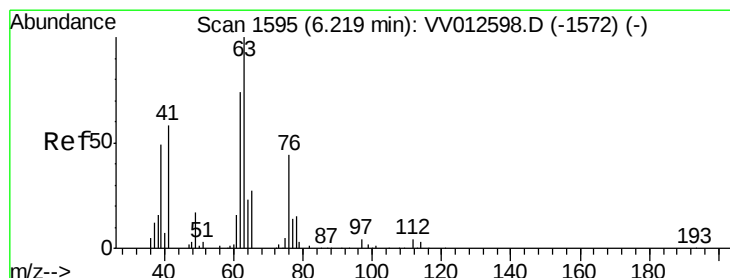
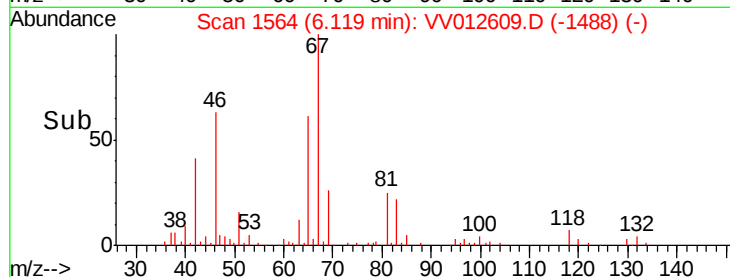
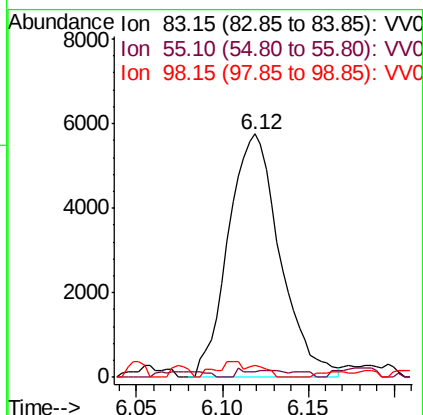
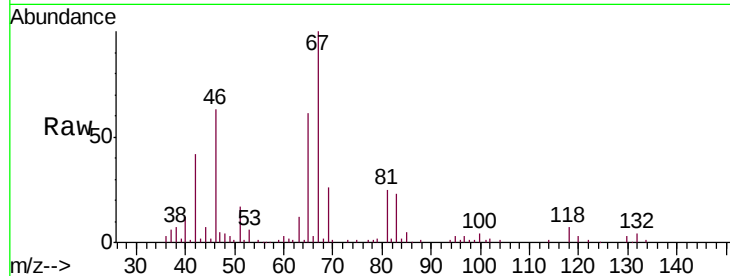




#35
Methylcyclohexane
Concen: 0.702 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.05 min
Lab File: VV012609.D
Acq: 06 Sep 2019 20:27

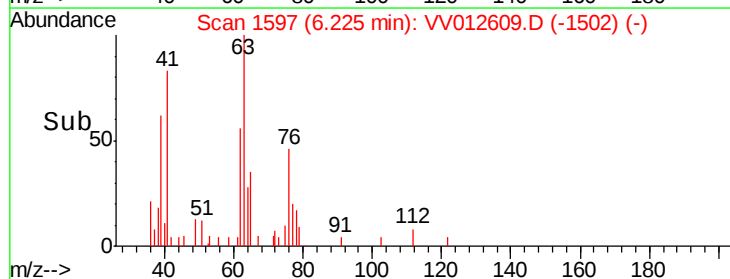
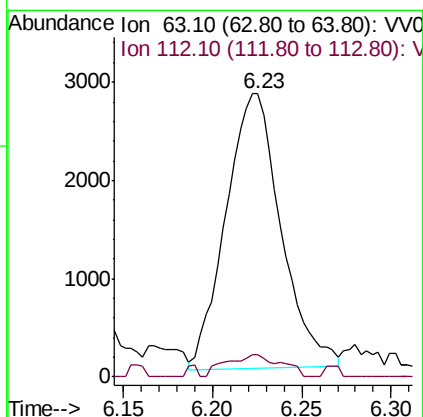
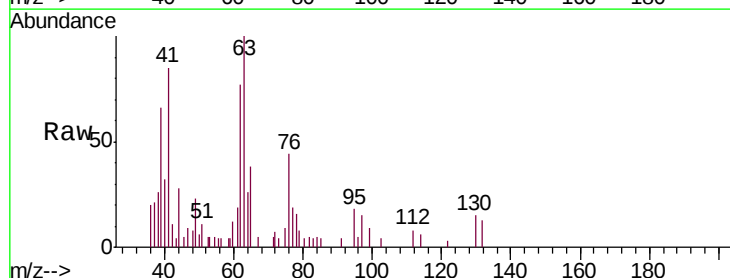
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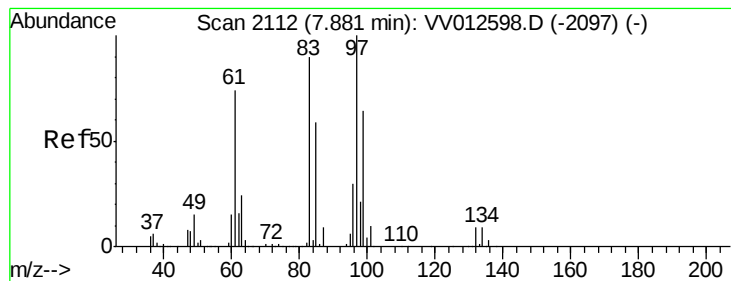
Tgt Ion: 83 Resp: 11998
Ion Ratio Lower Upper
83 100
55 1.7 69.0 103.6#
98 0.0 38.0 57.0#



#37
1,2-Dichloropropane
Concen: 0.561 ug/L
RT: 6.23 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VV012609.D
Acq: 06 Sep 2019 20:27

Tgt Ion: 63 Resp: 6042
Ion Ratio Lower Upper
63 100
112 8.0 3.9 5.9#





#45

1,1,2-Trichloroethane

Concen: 0.112 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. 0.01 min

Lab File: VV012609.D

Acq: 06 Sep 2019 20:27

Instrument :

MSVOA_V

ClientSampleId :

BFD91

Tgt Ion: 97 Resp: 815

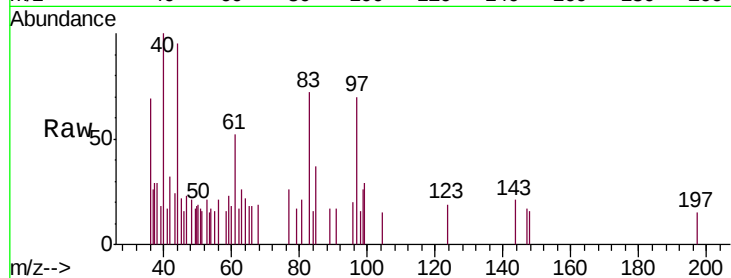
Ion Ratio Lower Upper

97 100

99 40.9 44.3 82.3#

83 101.9 62.6 116.3

85 52.9 40.7 75.5

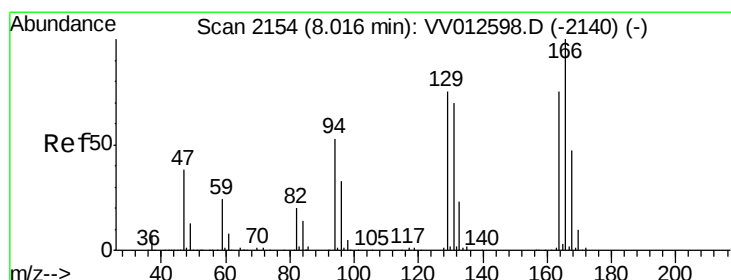
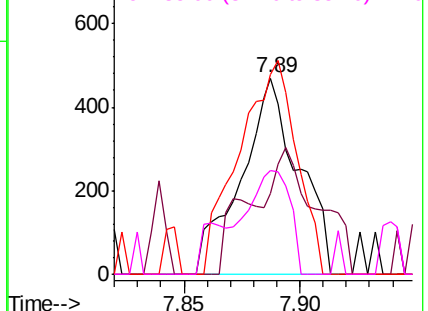
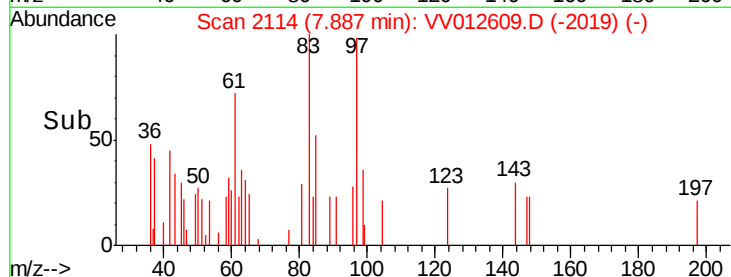


Abundance Ion 96.95 (96.65 to 97.65): VV012598.D (-2097) (-)

Ion 99.05 (98.75 to 99.75): VV012598.D (-2097) (-)

Ion 82.95 (82.65 to 83.65): VV012598.D (-2097) (-)

Ion 85.00 (84.70 to 85.70): VV012598.D (-2097) (-)



#47

Tetrachloroethene

Concen: 48.817 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV012609.D

Acq: 06 Sep 2019 20:27

Tgt Ion: 164 Resp: 407105

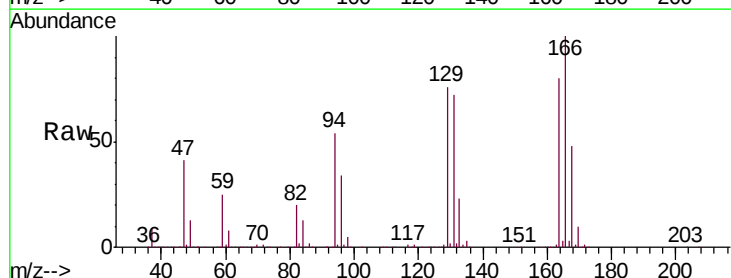
Ion Ratio Lower Upper

164 100

129 95.6 65.0 120.6

131 90.1 62.0 115.2

166 125.2 87.0 161.6

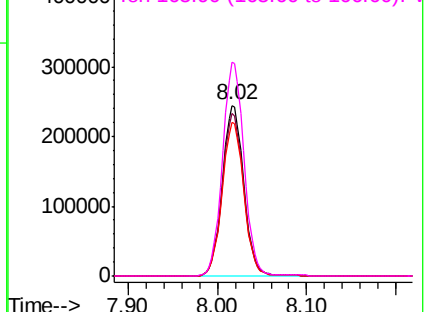
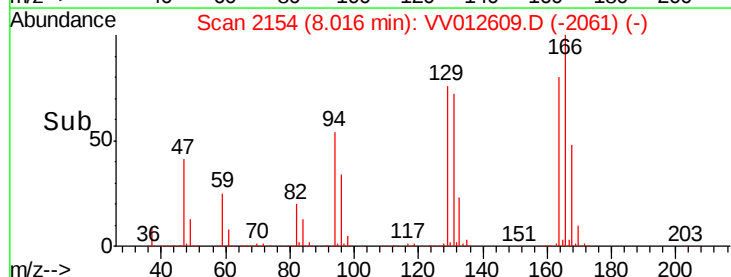


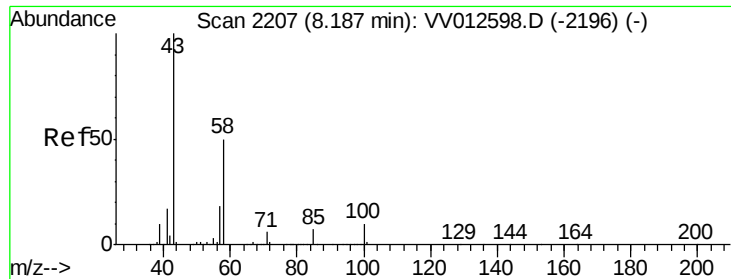
Abundance Ion 163.90 (163.60 to 164.60): VV012598.D (-2140) (-)

Ion 128.95 (128.65 to 129.65): VV012598.D (-2140) (-)

Ion 130.95 (130.65 to 131.65): VV012598.D (-2140) (-)

Ion 165.90 (165.60 to 166.60): VV012598.D (-2140) (-)

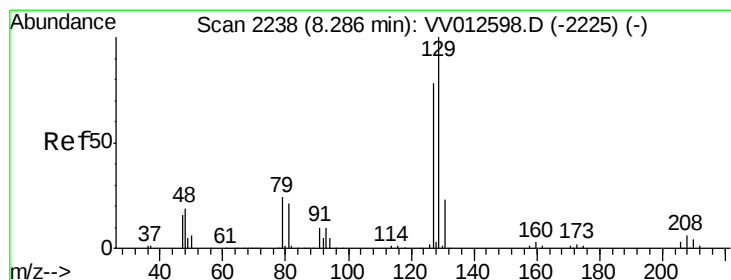
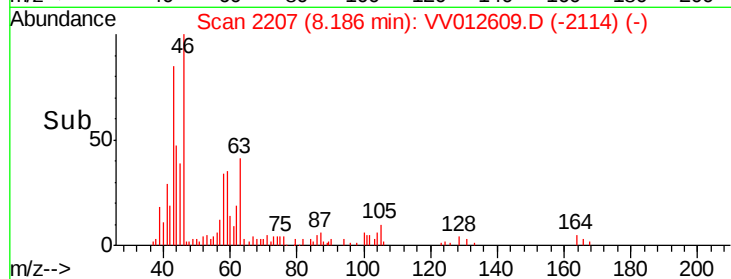
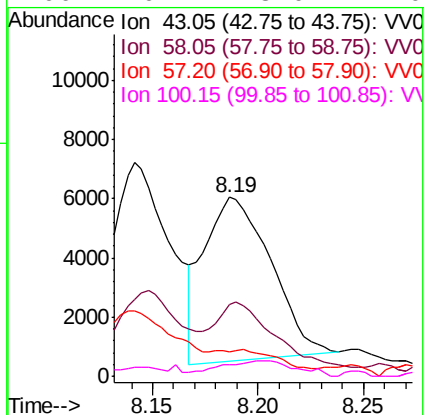
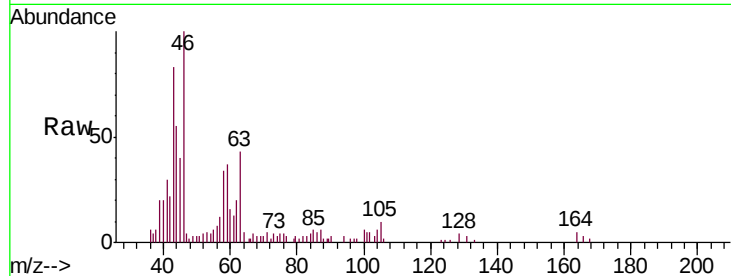




#48
2-Hexanone
Concen: 2.690 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV012609.D
Acq: 06 Sep 2019 20:27

Instrument :
MSVOA_V
ClientSampleId :
BFD91

Tgt Ion: 43 Resp: 12179
Ion Ratio Lower Upper
43 100
58 41.9 39.3 58.9
57 0.0 12.9 19.3#
100 10.7 8.0 12.0



#49
Dibromochloromethane
Concen: 45.425 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV012609.D
Acq: 06 Sep 2019 20:27

Tgt Ion: 129 Resp: 375679
Ion Ratio Lower Upper
129 100
127 0.3 53.0 98.4#

