

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV103020\
 Data File : VV019192.D
 Acq On : 30 Oct 2020 18:14
 Operator : SY/MD
 Sample : L4543-02 100X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG456

Quant Time: Oct 31 03:05:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 31 02:55:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	229595	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	223643	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	112481	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	80526	44.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.26%
7) Chloroethane-d5	1.58	69	66747	47.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.18%
11) 1,1-Dichloroethene-d2	2.12	63	123805	35.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.34%
21) 2-Butanone-d5	3.90	46	106881	95.64	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.64%
24) Chloroform-d	4.38	84	161053	47.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.90%
26) 1,2-Dichloroethane-d4	5.06	65	116169	49.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.24%
32) Benzene-d6	5.07	84	309492	48.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.56%
36) 1,2-Dichloropropane-d6	6.09	67	95629	50.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.10%
41) Toluene-d8	7.34	98	281707	46.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.44%
43) trans-1,3-Dichloropropene-	7.64	79	50629	46.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.50%
47) 2-Hexanone-d5	8.11	63	79938	97.58	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.58%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	121389	47.59	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.18%
64) 1,2-Dichlorobenzene-d4	11.65	152	121742	51.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.04%

Target Compounds

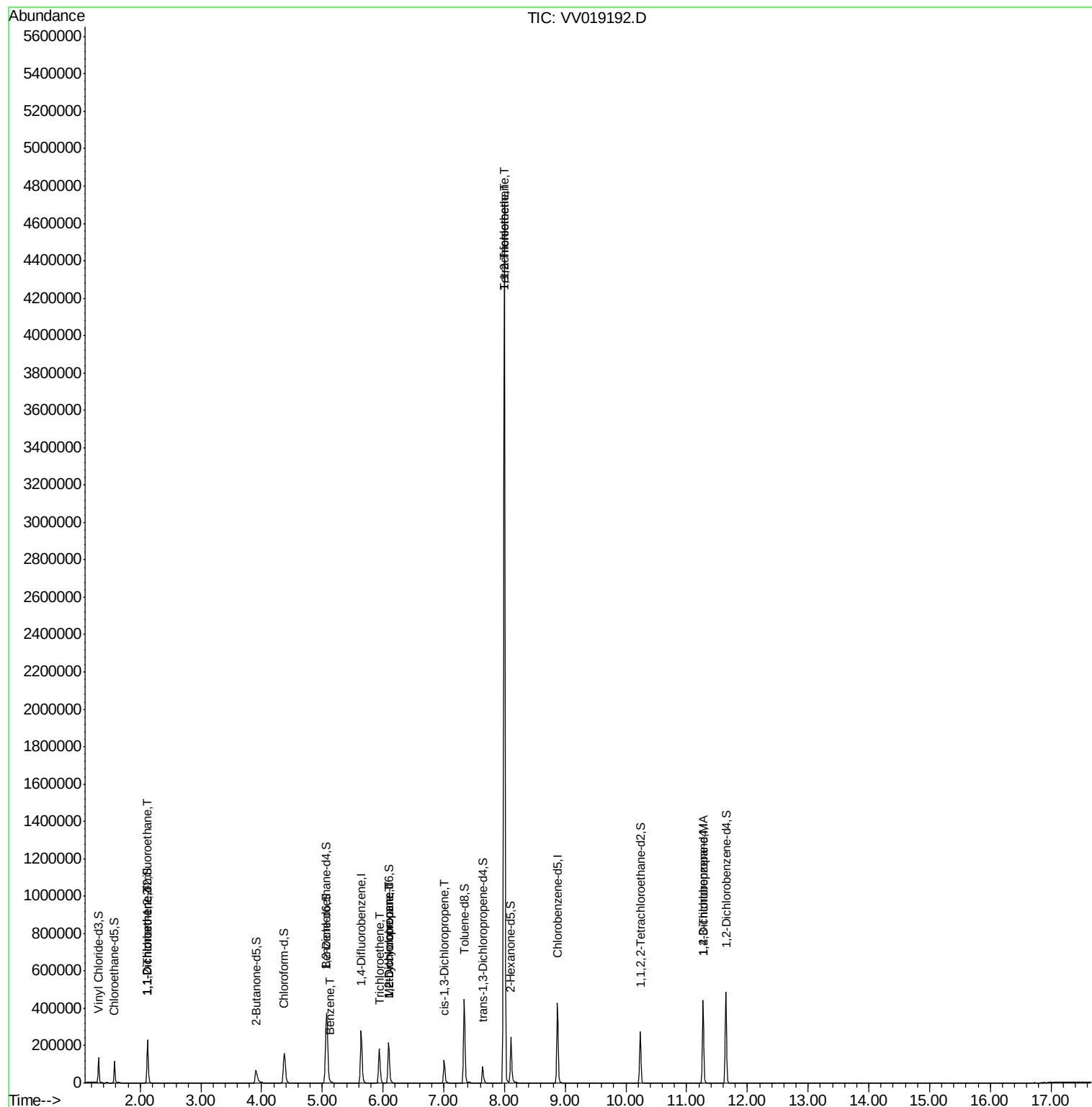
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1095	0.728	ug/L #	17
12) 1,1-Dichloroethene	2.13	96	2236	1.519	ug/L #	1
33) Benzene	5.13	78	5323	0.826	ug/L	100
34) Trichloroethene	5.94	95	61185	34.637	ug/L	97
35) Methylcyclohexane	6.09	83	24562	10.300	ug/L #	18
37) 1,2-Dichloropropane	6.09	63	11791	7.363	ug/L #	85
39) cis-1,3-Dichloropropene	7.01	75	3518	1.330	ug/L #	78
45) 1,1,2-Trichloroethane	7.99	97	9091	5.661	ug/L #	20
46) Tetrachloroethene	8.00	164	1025888	680.124	ug/L	99
59) 1,2,3-Trichloropropane	11.27	75	11672	5.576	ug/L #	87

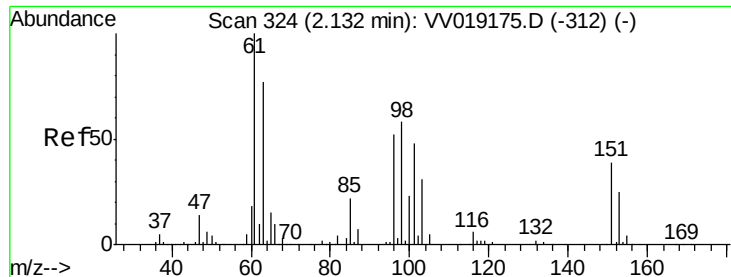
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.728 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV019192.D

Acq: 30 Oct 2020 18:14

Instrument :

MSVOA_V

ClientSampleId :

BG456

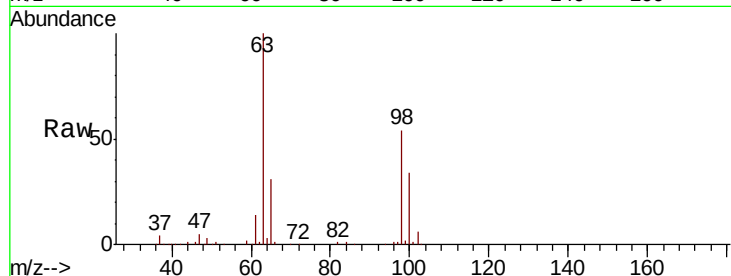
Tot Ion:101 Resp: 1095

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

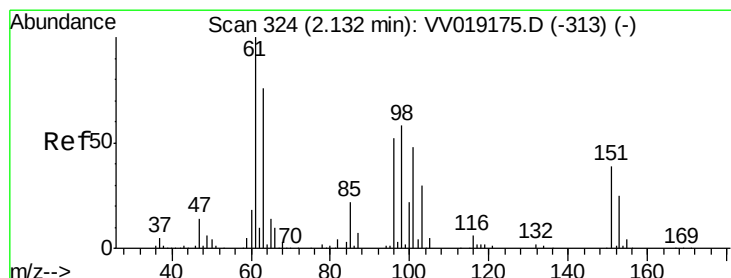
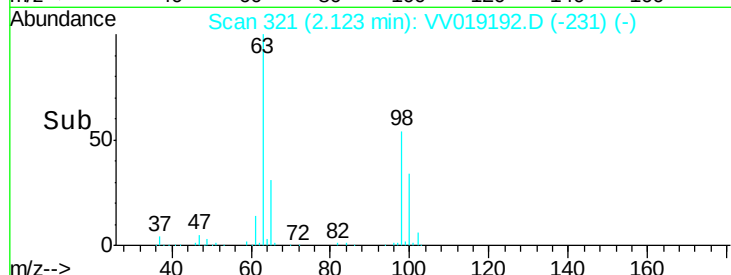
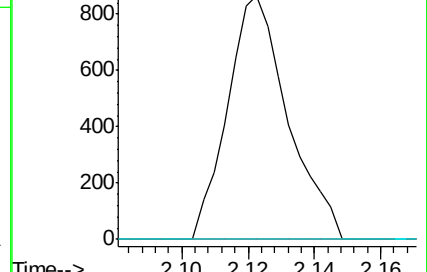
151 0.0 65.0 97.4#



Abundance Ion 101.00 (100.70 to 101.70): VV019192.D (-231) (-)

Ion 85.00 (84.70 to 85.70): VV019192.D (-231) (-)

Ion 151.00 (150.70 to 151.70): VV019192.D (-231) (-)



#12

1,1-Dichloroethene

Concen: 1.519 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV019192.D

Acq: 30 Oct 2020 18:14

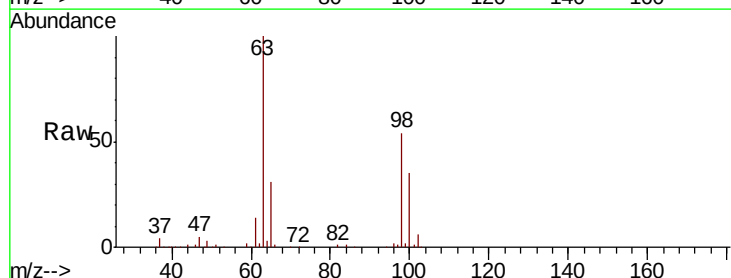
Tgt Ion: 96 Resp: 2236

Ion Ratio Lower Upper

96 100

61 842.5 132.6 246.2#

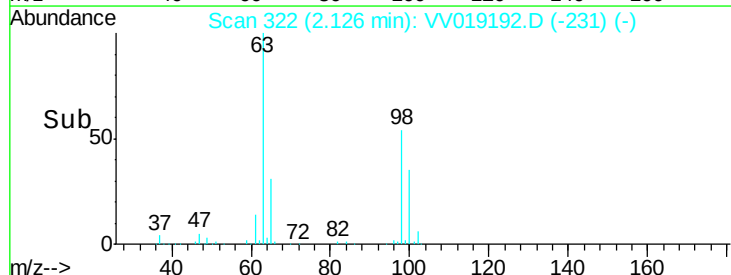
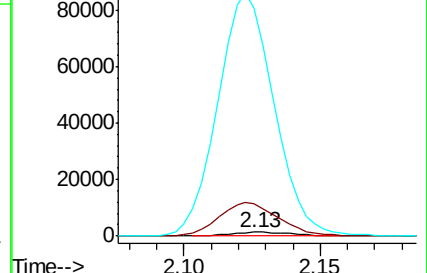
63 6032.9 108.4 201.4#

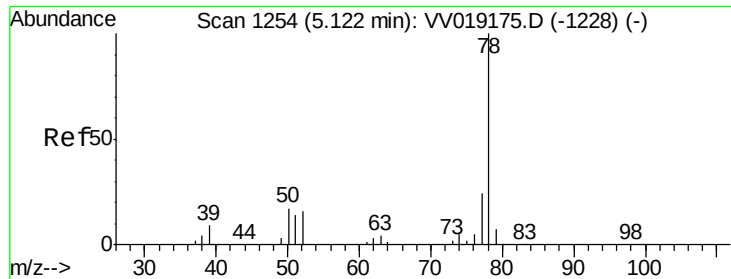


Abundance Ion 96.00 (95.70 to 96.70): VV019192.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV019192.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV019192.D (-231) (-)





#33

Benzene

Concen: 0.826 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VV019192.D

Acq: 30 Oct 2020 18:14

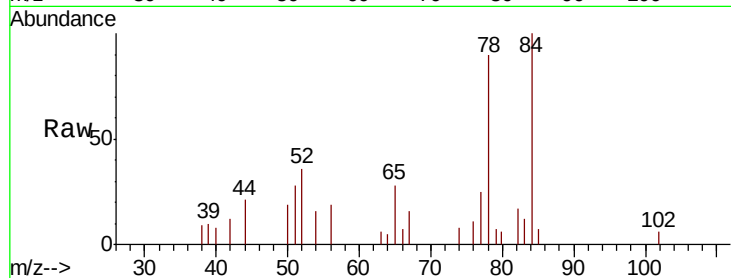
Instrument :

MSVOA_V

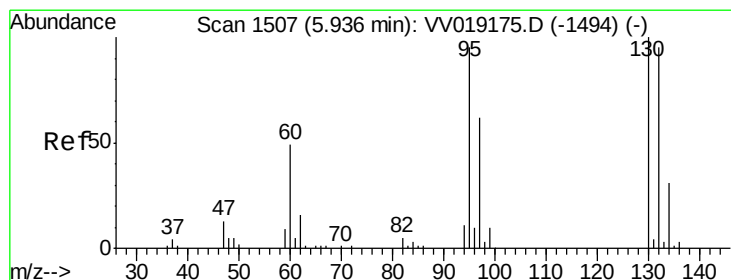
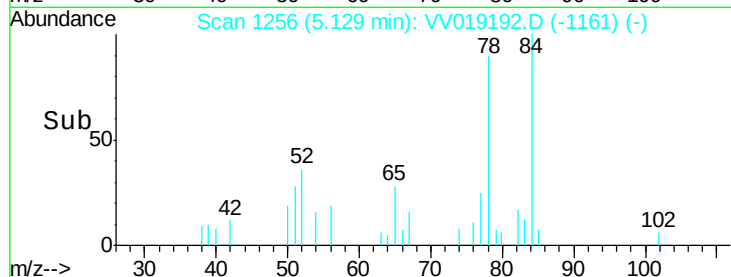
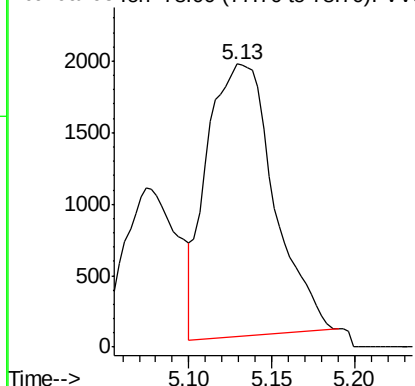
ClientSampleId :

BG456

Tgt Ion: 78 Resp: 5323



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 34.637 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV019192.D

Acq: 30 Oct 2020 18:14

Tgt Ion: 95 Resp: 61185

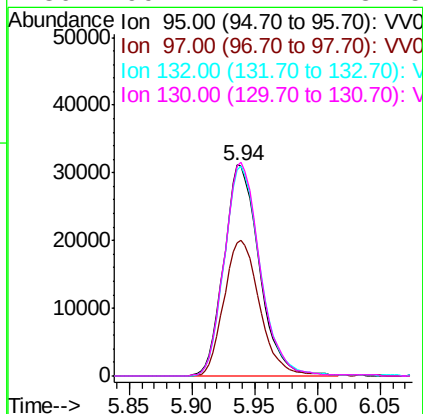
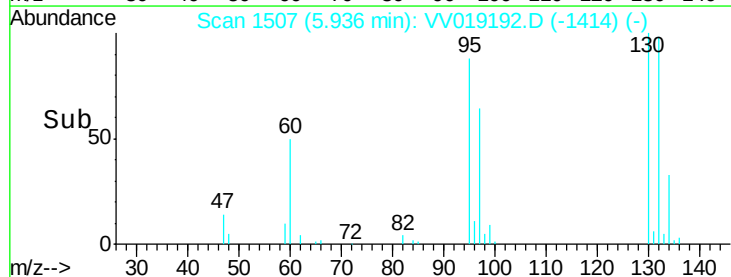
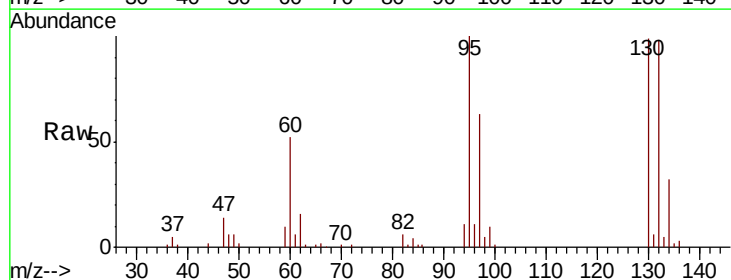
Ion	Ratio	Lower	Upper
95	100		
97	63.2	43.4	80.6
132	97.5	69.7	129.4
130	99.2	72.4	134.5

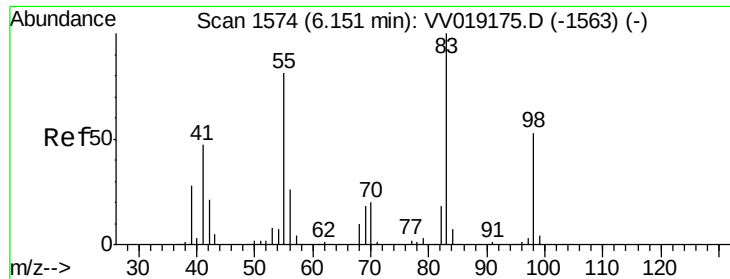
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

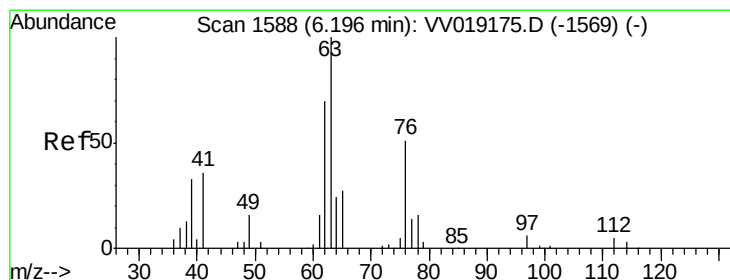
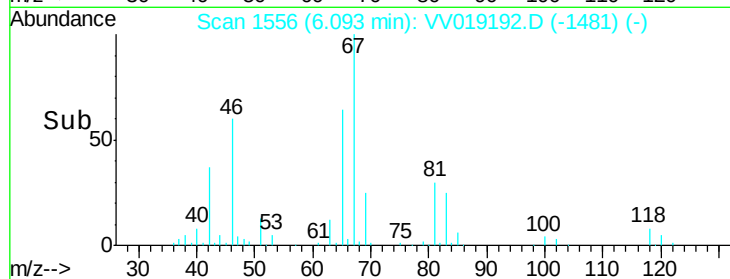
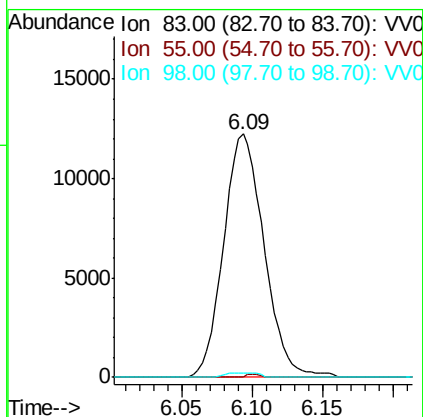
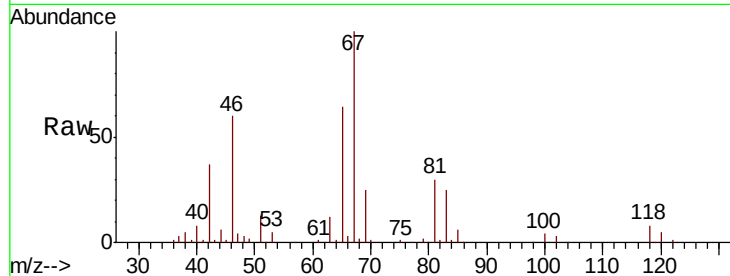




#35
Methylvlcyclohexane
Concen: 10.300 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV019192.D
Acq: 30 Oct 2020 18:14

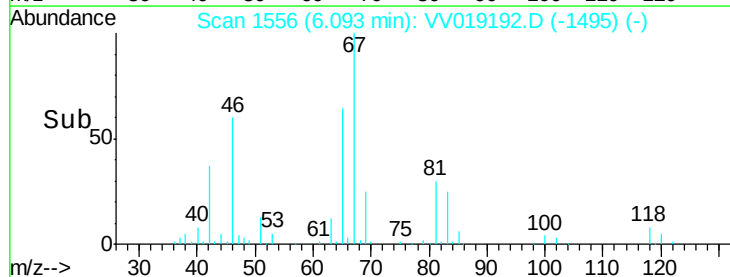
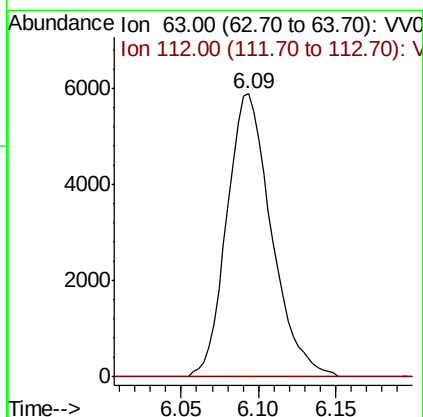
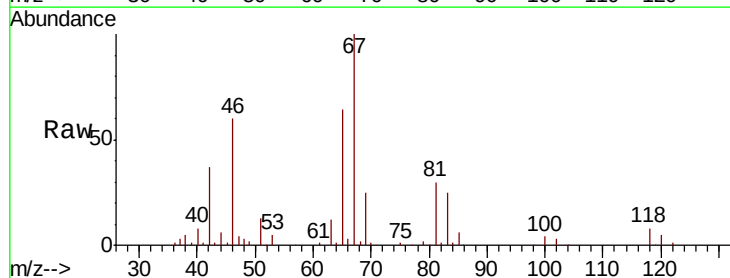
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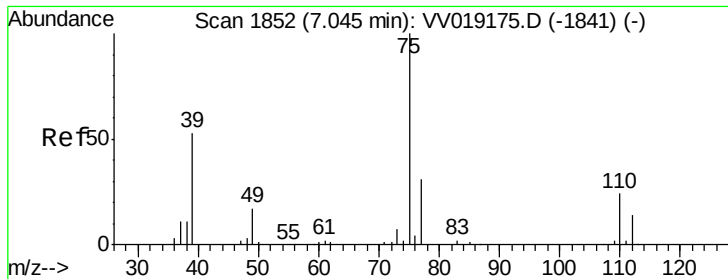
Tot Ion: 83 Resp: 24562
Ion Ratio Lower Upper
83 100
55 0.4 62.2 93.4#
98 1.4 39.4 59.2#



#37
1,2-Dichloropropane
Concen: 7.363 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV019192.D
Acq: 30 Oct 2020 18:14

Tgt Ion: 63 Resp: 11791
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.8#

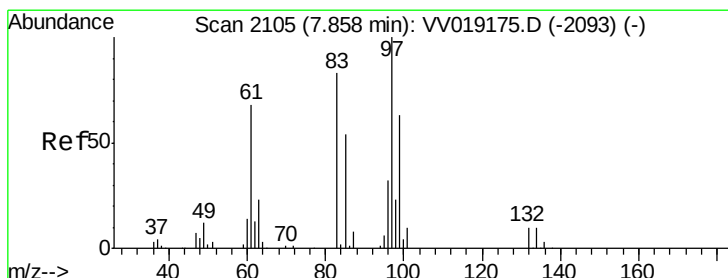
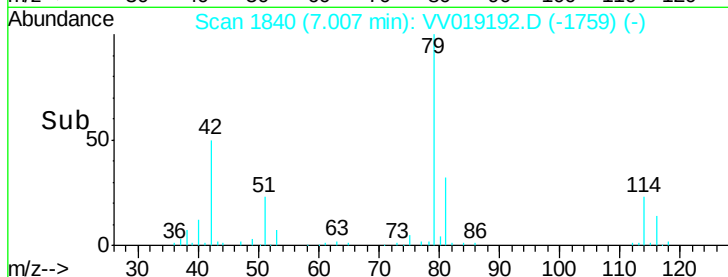
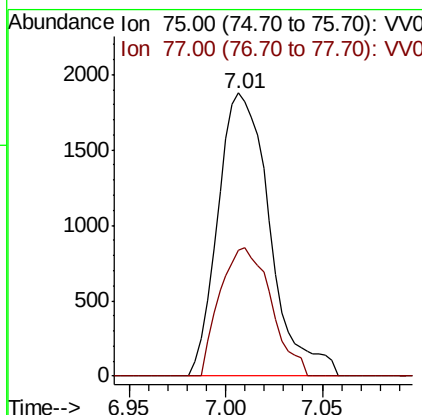
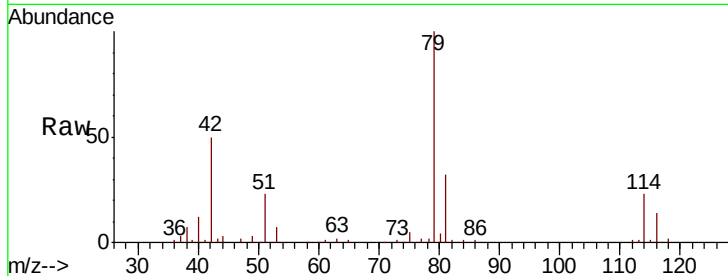




#39
 cis-1,3-Dichloropropene
 Concen: 1.330 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV019192.D
 Acq: 30 Oct 2020 18:14

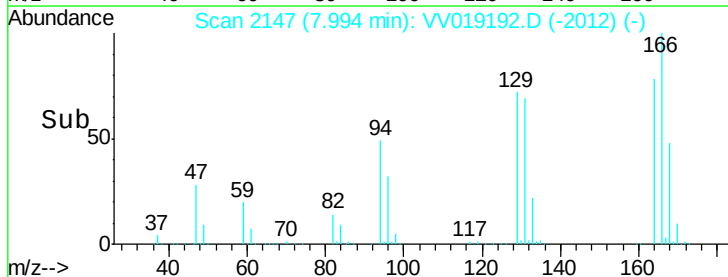
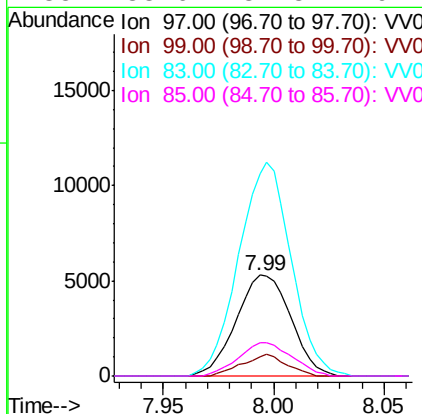
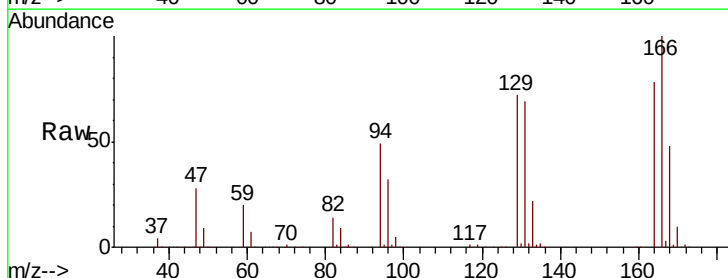
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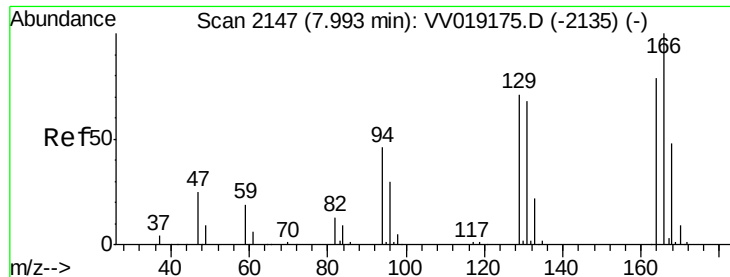
Tot Ion: 75 Resp: 3518
 Ion Ratio Lower Upper
 75 100
 77 44.6 22.7 42.1#



#45
 1,1,2-Trichloroethane
 Concen: 5.661 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. 0.14 min
 Lab File: VV019192.D
 Acq: 30 Oct 2020 18:14

Tgt Ion: 97 Resp: 9091
 Ion Ratio Lower Upper
 97 100
 99 18.6 43.1 80.1#
 83 201.1 58.3 108.3#
 85 33.6 37.8 70.2#





#46

Tetrachloroethene

Concen: 680.124 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV019192.D

Acq: 30 Oct 2020 18:14

Instrument :

MSVOA_V

ClientSampleId :

BG456

Tot Ion:164 Resp: 1025888

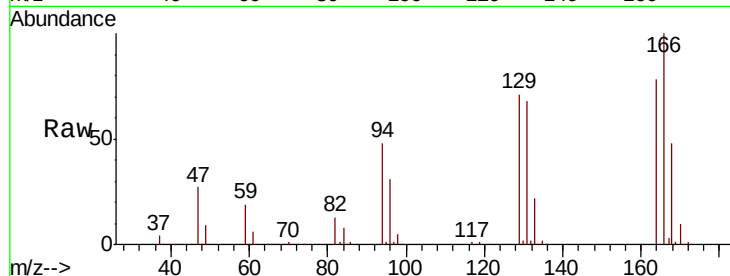
Ion Ratio Lower Upper

164 100

129 90.5 63.2 117.4

131 87.0 60.3 112.1

166 127.9 88.3 163.9

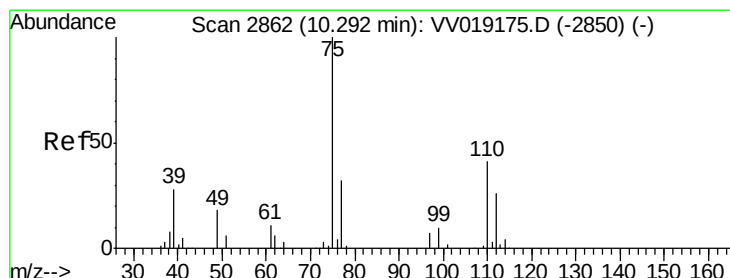
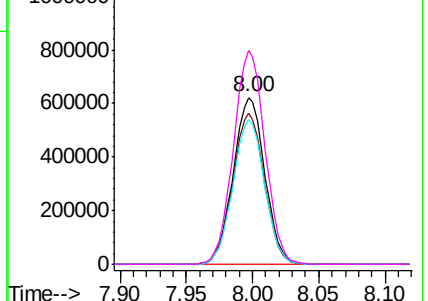
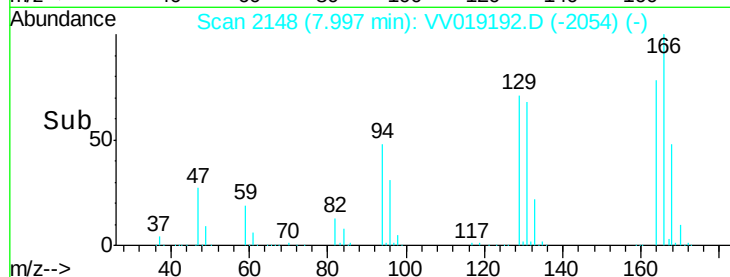


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#59

1,2,3-Trichloropropane

Concen: 5.576 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV019192.D

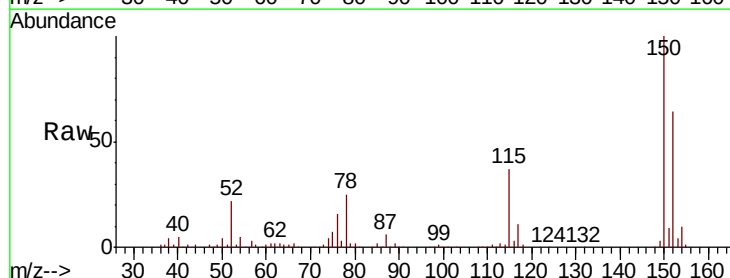
Acq: 30 Oct 2020 18:14

Tgt Ion: 75 Resp: 11672

Ion Ratio Lower Upper

75 100

77 40.3 26.2 39.4#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

