

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121220\
 Data File : VV019568.D
 Acq On : 12 Dec 2020 20:05
 Operator : SY/MD
 Sample : L4928-15
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG4J5

Quant Time: Dec 13 04:40:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sun Dec 13 04:37:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	636326	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	592122	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	273969	50.00	ug/L	0.00

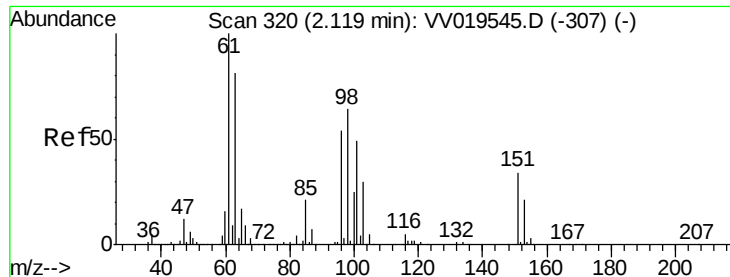
System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	258172	56.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	113.16%
7) Chloroethane-d5	1.57	69	207535	57.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	115.34%
11) 1,1-Dichloroethene-d2	2.11	63	372401	43.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.94%
21) 2-Butanone-d5	3.89	46	267707	107.94	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.94%
24) Chloroform-d	4.35	84	442019	53.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.50%
26) 1,2-Dichloroethane-d4	5.04	65	304904	56.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.46%
32) Benzene-d6	5.05	84	900034	56.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.98%
36) 1,2-Dichloropropane-d6	6.07	67	280018	56.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	113.20%
41) Toluene-d8	7.32	98	795918	55.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	111.96%
43) trans-1,3-Dichloropropene-	7.62	79	140690	50.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.00%
47) 2-Hexanone-d5	8.09	63	199571	102.79	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.79%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	345386	51.62	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.24%
64) 1,2-Dichlorobenzene-d4	11.63	152	288146	56.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	112.52%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.11	101	3453	0.935	ug/L #	22
13) Acetone	2.18	43	12976	6.141	ug/L	95
29) Cyclohexane	4.68	56	5873	0.809	ug/L #	90
39) cis-1,3-Dichloropropene	6.99	75	9264	1.234	ug/L #	73
46) Tetrachloroethene	7.98	164	2477	0.783	ug/L	92
49) Dibromochloromethane	7.98	129	2953	0.628	ug/L #	11
59) 1,2,3-Trichloropropane	11.25	75	38136	6.784	ug/L	94

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



#10

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

Concen: 0.935 ug/L

RT: 2.11 min Scan# 317

Delta R.T. -0.01 min

Lab File: VV019568.D

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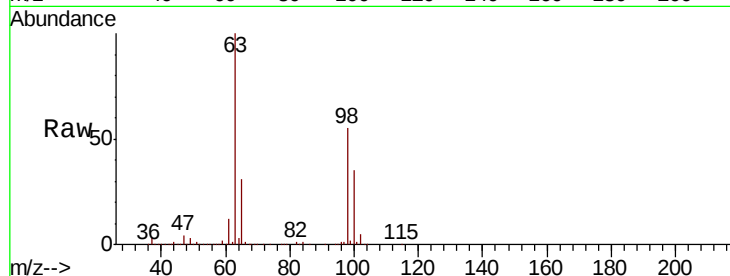
Tot Ion:101 Resp: 3453

Ion Ratio Lower Upper

101 100

85 1.3 35.0 52.4#

151 0.0 55.8 83.8#

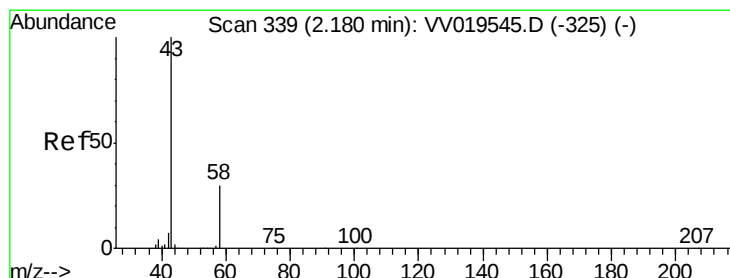
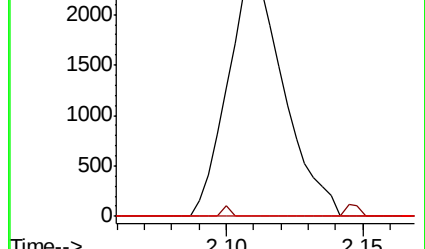
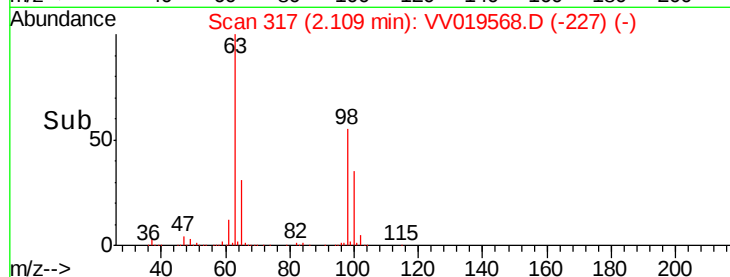


Abundance Ion 101.00 (100.70 to 101.70): VV019568.D (-227) (-)

Ion 85.00 (84.70 to 85.70): VV019568.D (-227) (-)

Ion 151.00 (150.70 to 151.70): VV019568.D (-227) (-)

Time-->



#13

Acetone

Concen: 6.141 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV019568.D

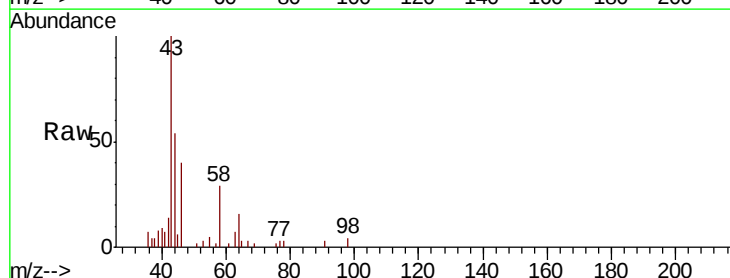
Acq: 12 Dec 2020 20:05

Tgt Ion: 43 Resp: 12976

Ion Ratio Lower Upper

43 100

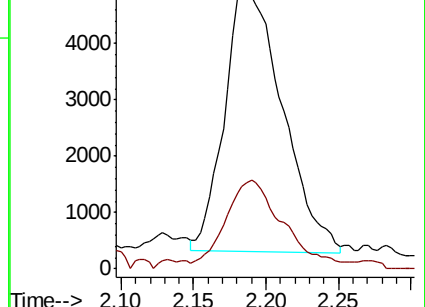
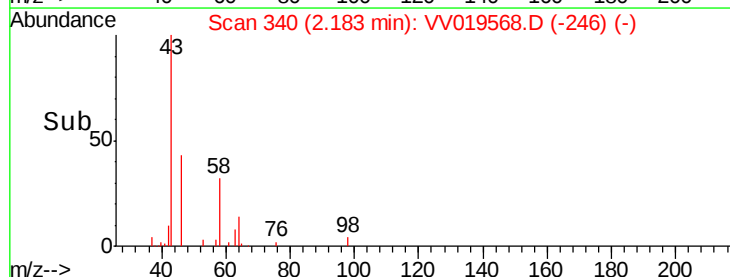
58 33.8 0.0 61.6

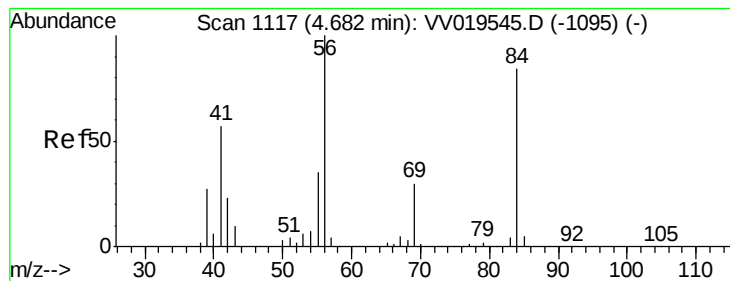


Abundance Ion 43.00 (42.70 to 43.70): VV019568.D (-246) (-)

Ion 58.00 (57.70 to 58.70): VV019568.D (-246) (-)

Time-->





#29

Cyclohexane

Concen: 0.809 ug/L

RT: 4.68 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VV019568.D

Acq: 12 Dec 2020 20:05

Instrument :

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BG4J5

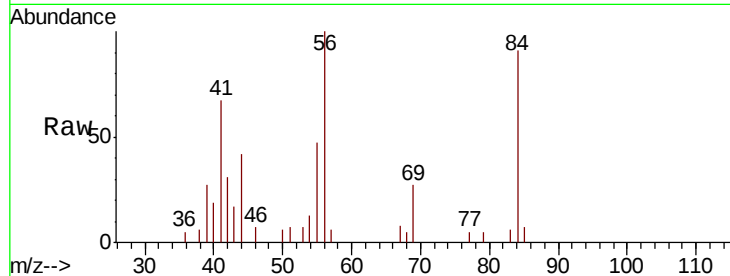
Tot Ion: 56 Resp: 5873

Ion Ratio Lower Upper

56 100

69 19.9 24.6 37.0#

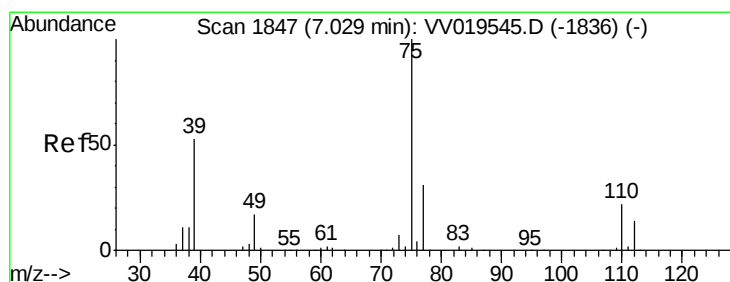
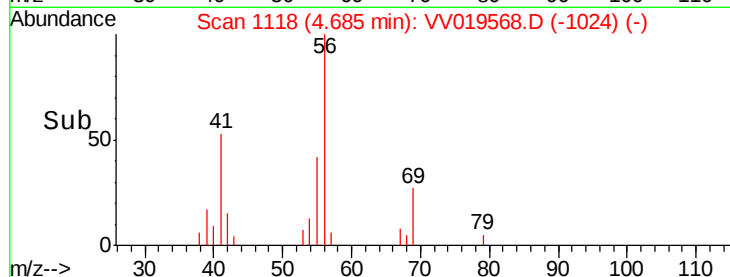
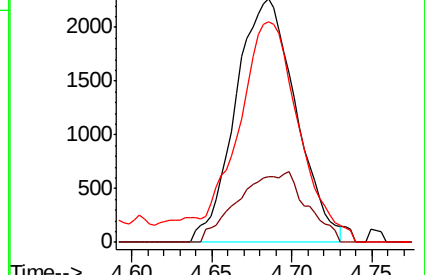
84 90.9 68.2 102.4



Abundance Ion 56.00 (55.70 to 56.70): VV019545.D (-1095) (-)

Ion 69.00 (68.70 to 69.70): VV019545.D (-1095) (-)

Ion 84.00 (83.70 to 84.70): VV019545.D (-1095) (-)



#39

cis-1,3-Dichloropropene

Concen: 1.234 ug/L

RT: 6.99 min Scan# 1835

Delta R.T. -0.04 min

Lab File: VV019568.D

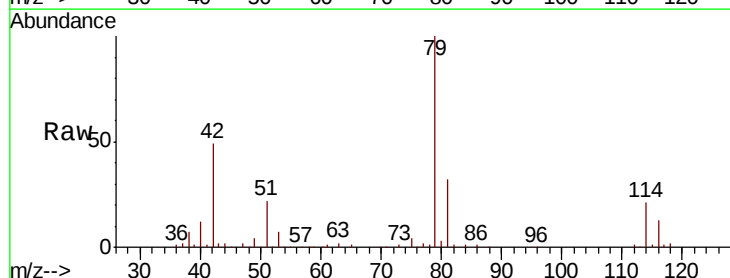
Acq: 12 Dec 2020 20:05

Tgt Ion: 75 Resp: 9264

Ion Ratio Lower Upper

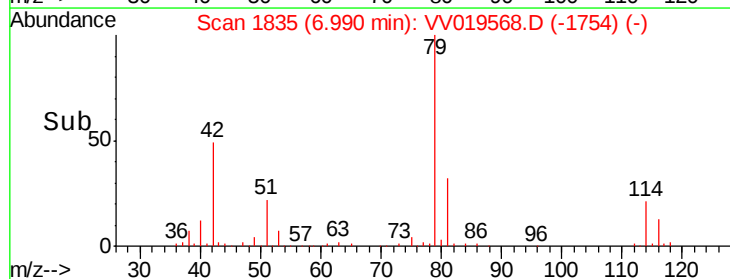
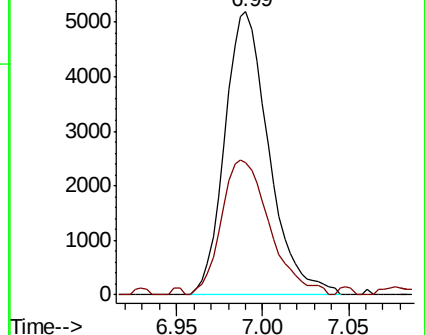
75 100

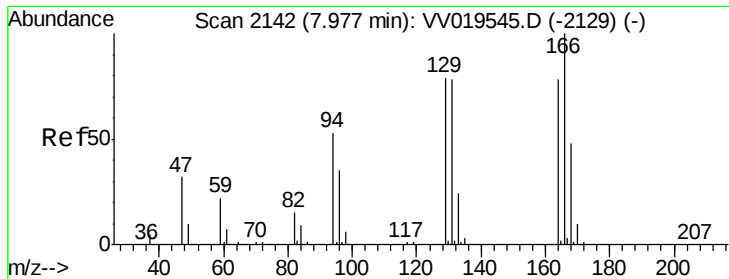
77 46.8 22.4 41.6#



Abundance Ion 75.00 (74.70 to 75.70): VV019545.D (-1836) (-)

Ion 77.00 (76.70 to 77.70): VV019545.D (-1836) (-)





#46

Tetrachloroethene

Concen: 0.783 ug/L

RT: 7.98 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VV019568.D

Acq: 12 Dec 2020 20:05

Instrument :

MSVOA_V

ClientSampleId :

BG4J5

Tot Ion:164 Resp: 2477

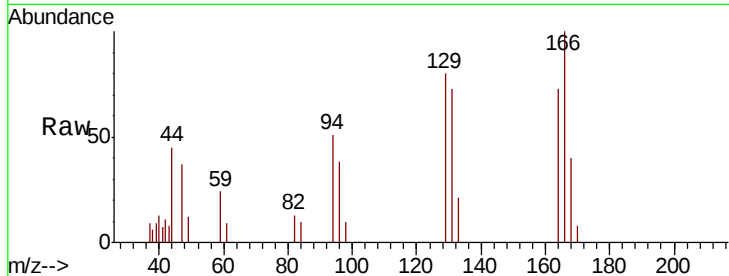
Ion Ratio Lower Upper

164 100

129 109.6 70.6 131.0

131 100.5 68.0 126.4

166 137.2 86.9 161.5

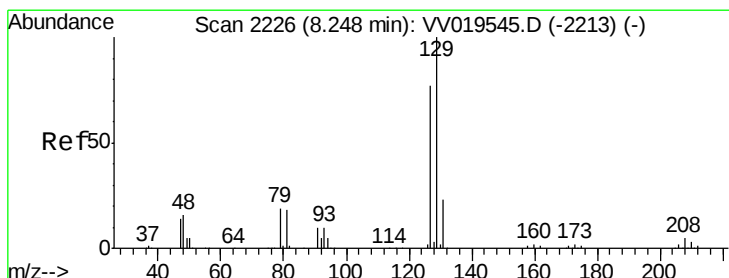
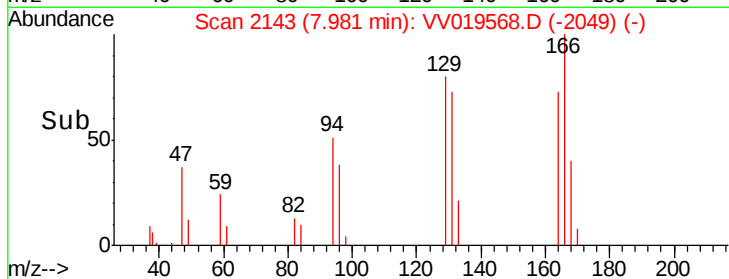
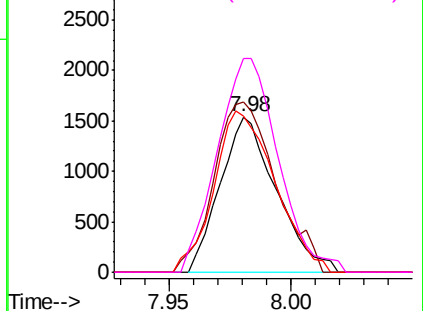


Abundance Ion 164.00 (163.70 to 164.70): V

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



#49

Dibromochloromethane

Concen: 0.628 ug/L

RT: 7.98 min Scan# 2143

Delta R.T. -0.27 min

Lab File: VV019568.D

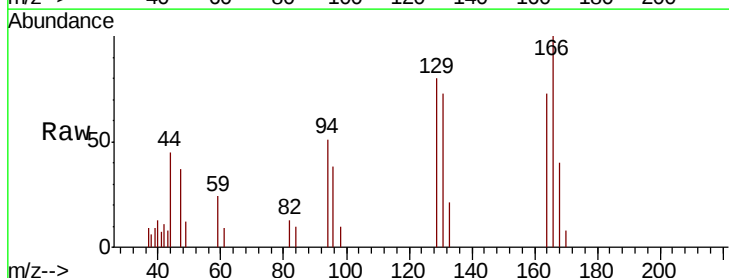
Acq: 12 Dec 2020 20:05

Tgt Ion:129 Resp: 2953

Ion Ratio Lower Upper

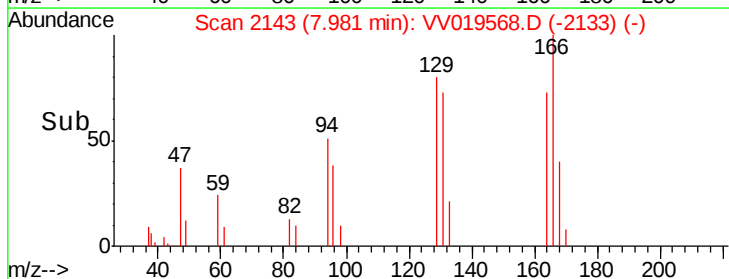
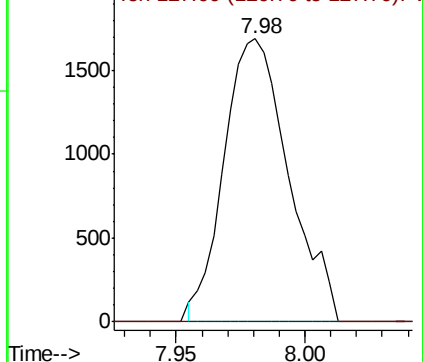
129 100

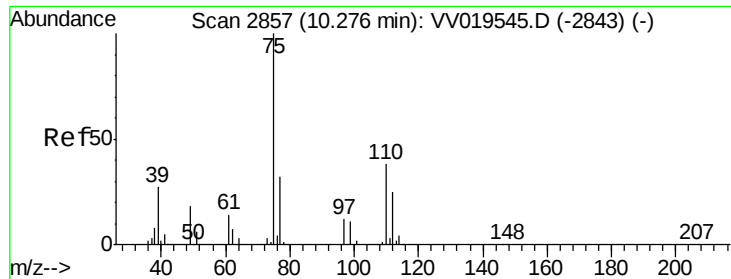
127 0.0 54.2 100.6#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#59

1,2,3-Trichloropropane

Concen: 6.784 ug/L

RT: 11.25 min Scan# 3160

Delta R.T. 0.97 min

Lab File: VV019568.D

Acq: 12 Dec 2020 20:05

Instrument :

MSVOA_V

ClientSampleId :

BG4J5

Tot Ion: 75 Resp: 38136

Ion Ratio Lower Upper

75 100

77 35.5 25.8 38.8

