

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092920\
 Data File : VV018532.D
 Acq On : 29 Sep 2020 21:50
 Operator : SY/MD
 Sample : L4149-13
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3N7

Quant Time: Sep 30 04:52:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 30 04:50:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	416722	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	390241	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	194864	50.00	ug/L	0.00

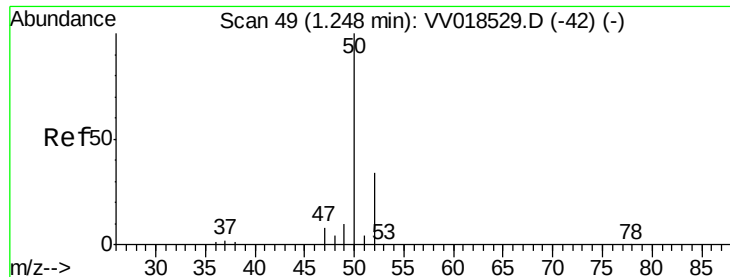
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	107997	44.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.38%
7) Chloroethane-d5	1.58	69	98750	48.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.74%
11) 1,1-Dichloroethene-d2	2.12	63	168741	33.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.78%
21) 2-Butanone-d5	3.92	46	177810	97.54	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.54%
24) Chloroform-d	4.38	84	231347	43.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.56%
26) 1,2-Dichloroethane-d4	5.06	65	157780	47.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.06%
32) Benzene-d6	5.07	84	478788	48.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.88%
36) 1,2-Dichloropropane-d6	6.09	67	148339	49.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.34%
41) Toluene-d8	7.34	98	431145	46.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.72%
43) trans-1,3-Dichloropropene-	7.64	79	71303	44.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.38%
47) 2-Hexanone-d5	8.11	63	103957	91.64	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.64%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	179428	45.31	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.62%
64) 1,2-Dichlorobenzene-d4	11.65	152	182261	48.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.28%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.31	50	2484	0.819	ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1799	0.663	ug/L #	19
13) Acetone	2.20	43	27099	17.206	ug/L	95
14) Carbon disulfide	2.31	76	14134	1.677	ug/L	99
33) Benzene	5.13	78	45027	3.927	ug/L	100
34) Trichloroethene	5.94	95	33161	9.963	ug/L	98
35) Methylcyclohexane	6.09	83	37416	8.333	ug/L #	19
39) cis-1,3-Dichloropropene	7.01	75	4336	0.940	ug/L #	62
42) Toluene	7.41	91	39654	3.197	ug/L	93
46) Tetrachloroethene	8.00	164	6615	2.450	ug/L	96
48) 2-Hexanone	8.17	43	11741	3.965	ug/L #	46
53) m,p-Xylene	9.16	106	4554	0.851	ug/L	88
59) 1,2,3-Trichloropropane	11.27	75	21439	5.992	ug/L	90
69) Naphthalene	13.53	128	7955	0.684	ug/L	99

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



#3

Chloromethane

Concen: 0.819 ug/L

RT: 1.31 min Scan# 67

Delta R.T. 0.06 min

Lab File: VV018532.D

Acq: 29 Sep 2020 21:50

Instrument :

MSVOA_V

ClientSampleId :

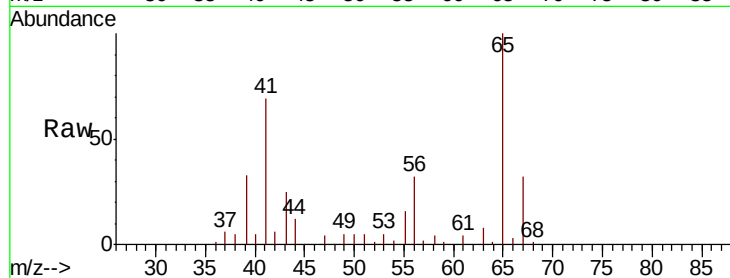
BG3N7

Tot Ion: 50 Resp: 2484

Ion Ratio Lower Upper

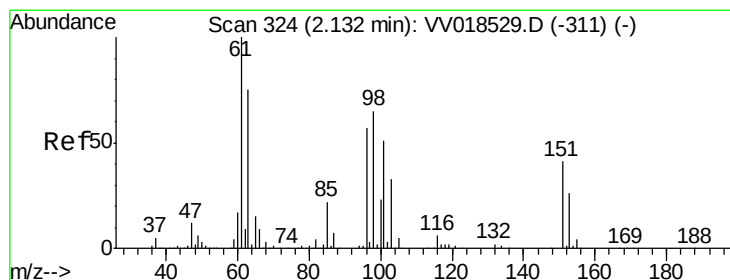
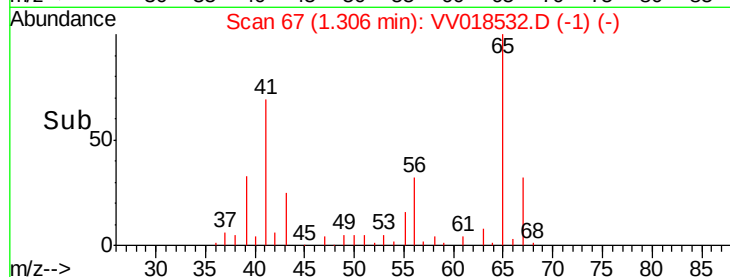
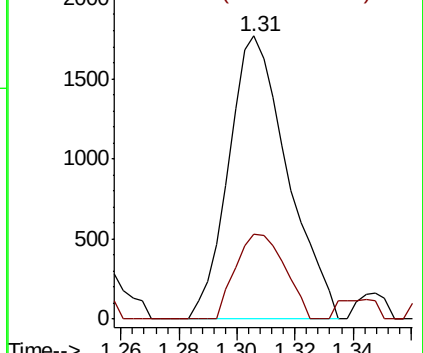
50 100

52 30.0 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0



#10

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

Concen: 0.663 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018532.D

Acq: 29 Sep 2020 21:50

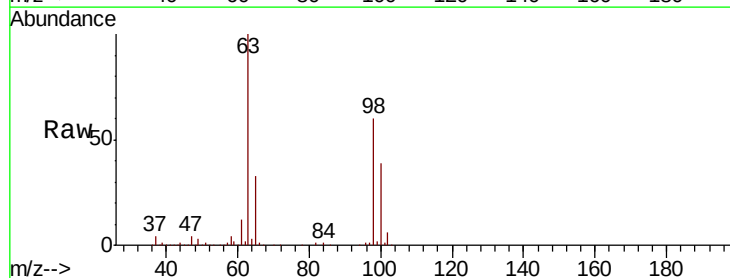
Tgt Ion:101 Resp: 1799

Ion Ratio Lower Upper

101 100

85 0.0 34.6 52.0#

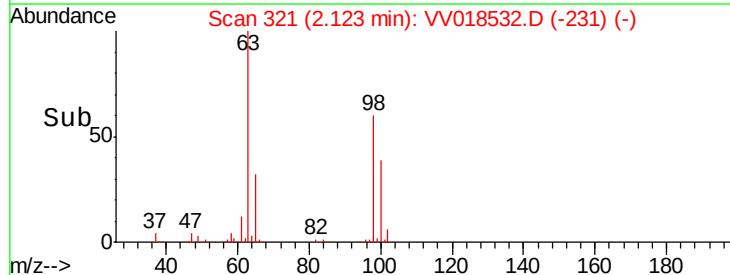
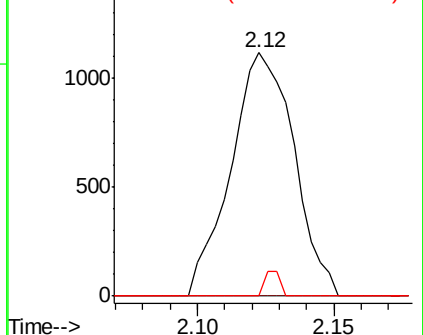
151 2.4 64.3 96.5#

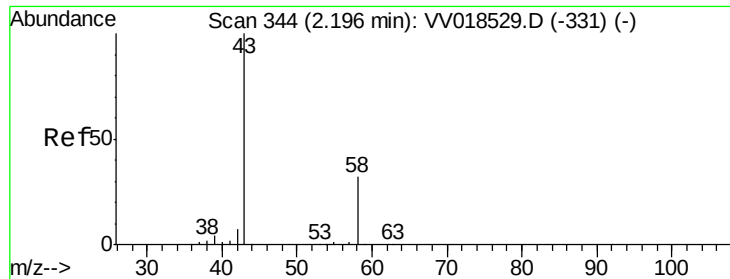


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V





#13

Acetone

Concen: 17.206 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.00 min

Lab File: VV018532.D

Acq: 29 Sep 2020 21:50

Instrument :

MSVOA_V

ClientSampled :

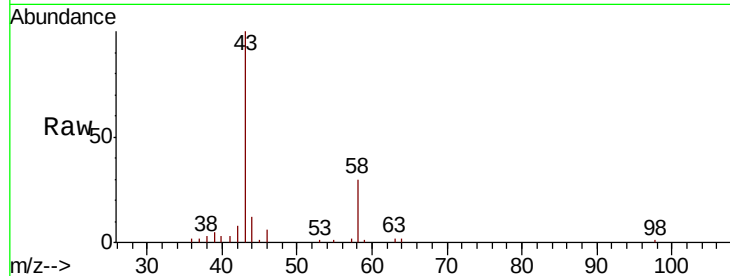
BG3N7

Tot Ion: 43 Resp: 27099

Ion Ratio Lower Upper

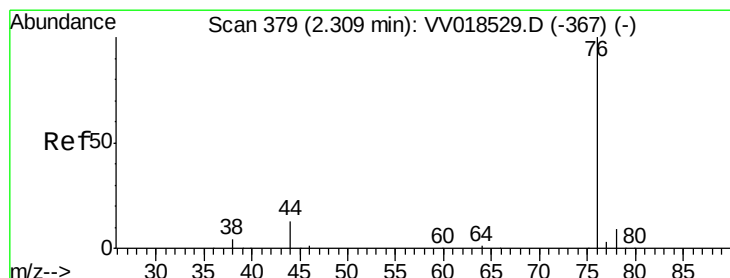
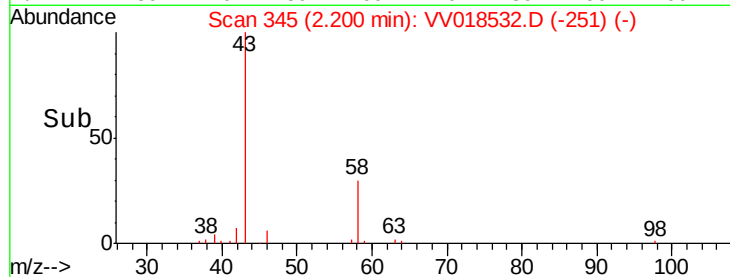
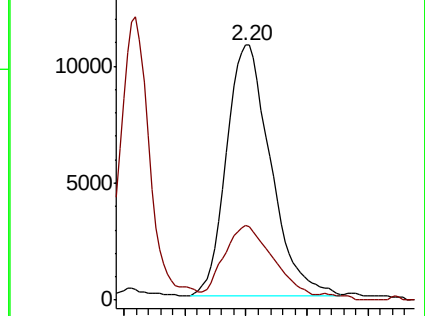
43 100

58 29.0 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 1.677 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV018532.D

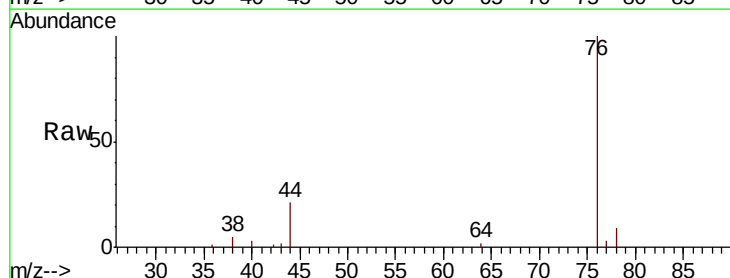
Acq: 29 Sep 2020 21:50

Tgt Ion: 76 Resp: 14134

Ion Ratio Lower Upper

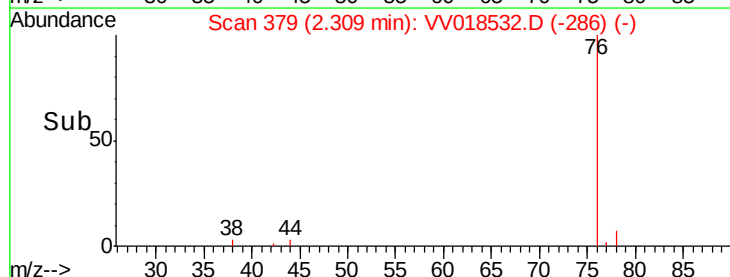
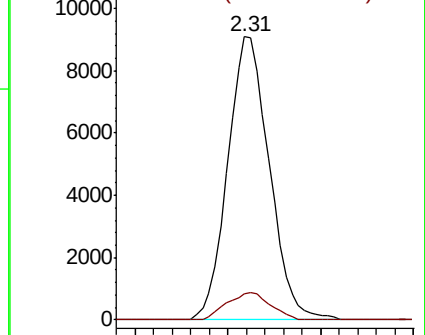
76 100

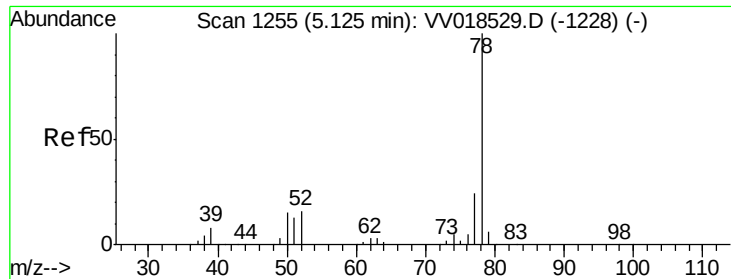
78 9.1 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0





#33

Benzene

Concen: 3.927 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VV018532.D

Acq: 29 Sep 2020 21:50

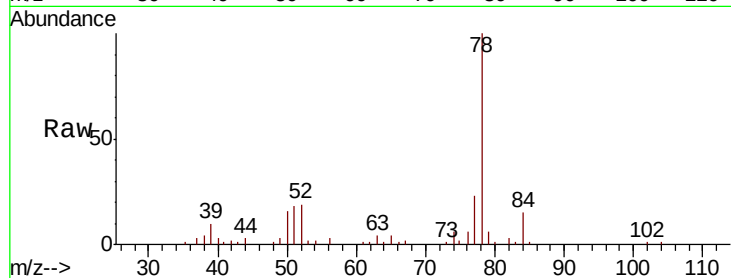
Instrument :

MSVOA_V

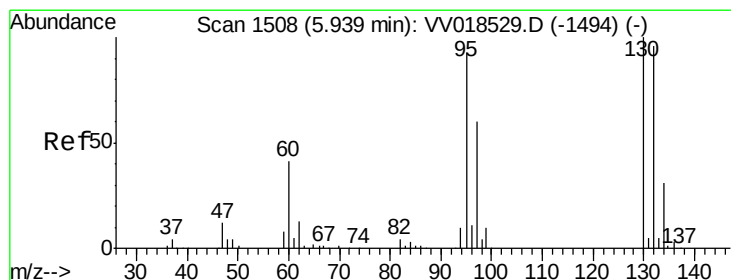
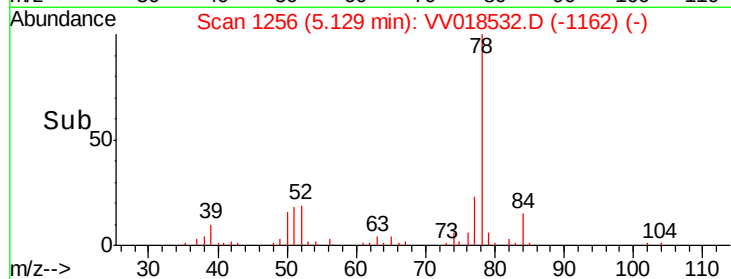
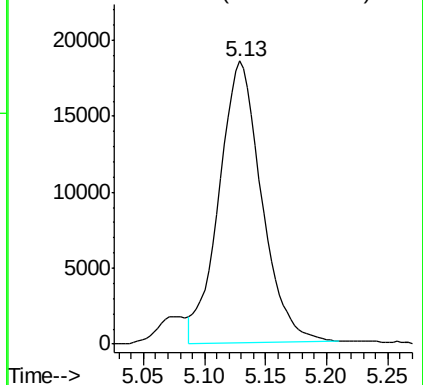
ClientSampleId :

BG3N7

Tgt Ion: 78 Resp: 45027



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 9.963 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV018532.D

Acq: 29 Sep 2020 21:50

Tgt Ion: 95 Resp: 33161

Ion	Ratio	Lower	Upper
95	100		
97	66.9	45.9	85.3
132	104.2	70.8	131.4
130	106.0	75.3	139.8

95 100

97 66.9 45.9 85.3

132 104.2 70.8 131.4

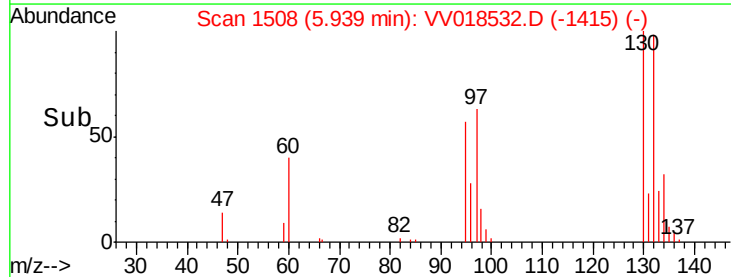
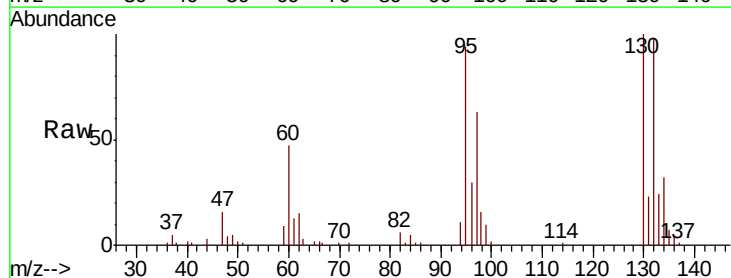
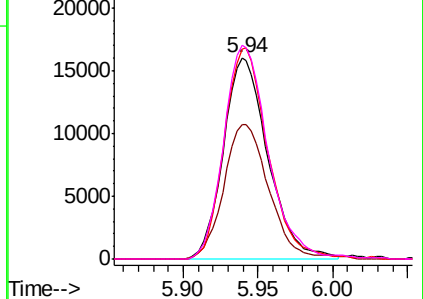
130 106.0 75.3 139.8

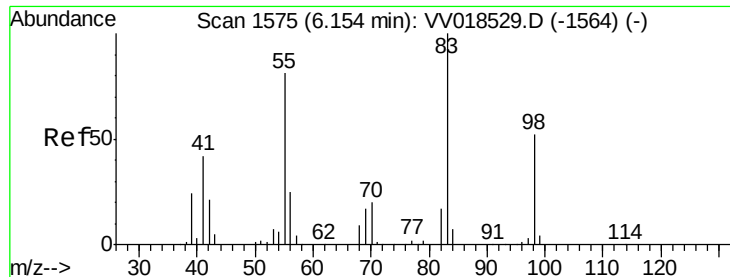
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

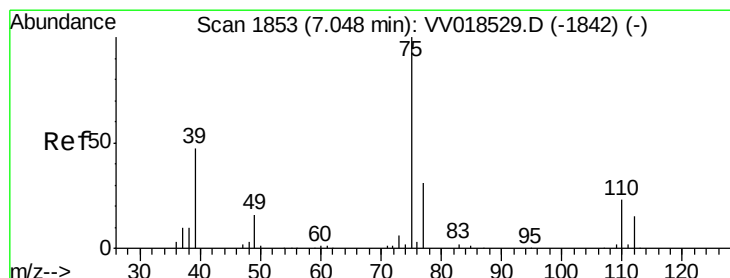
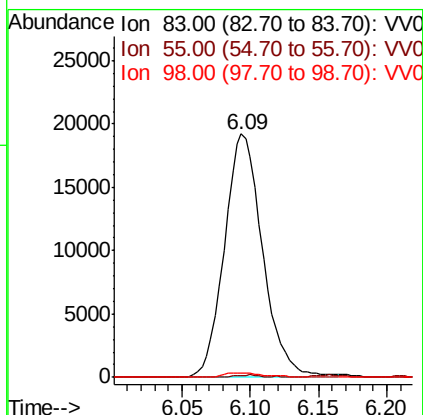
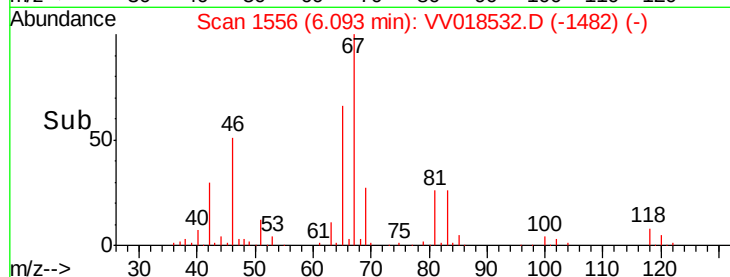
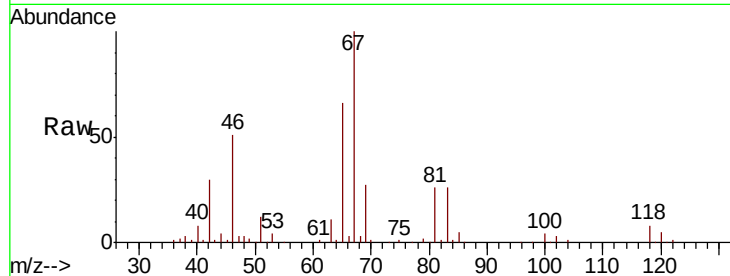




#35
Methylvlcyclohexane
Concen: 8.333 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV018532.D
Acq: 29 Sep 2020 21:50

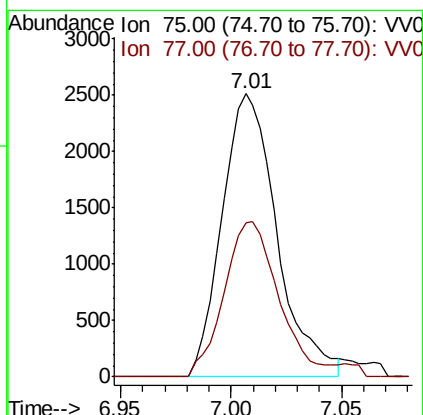
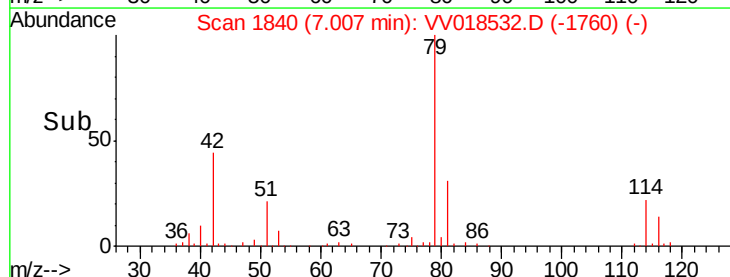
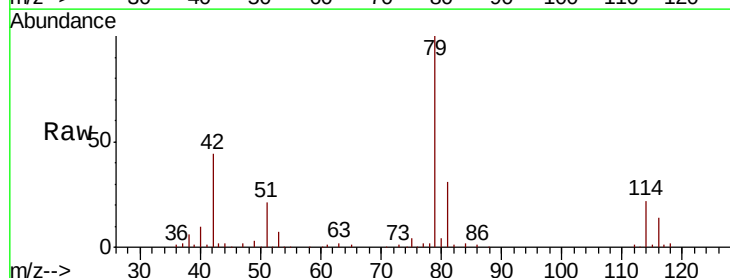
Instrument :
MSVOA_V
ClientSampleId :
BG3N7

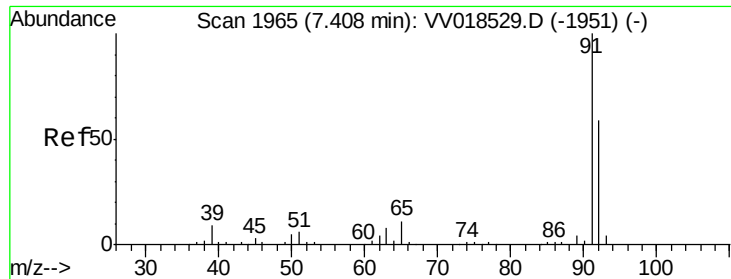
Tot Ion: 83 Resp: 37416
Ion Ratio Lower Upper
83 100
55 0.6 60.1 90.1#
98 1.5 40.2 60.4#



#39
cis-1,3-Dichloropropene
Concen: 0.940 ug/L
RT: 7.01 min Scan# 1840
Delta R.T. -0.04 min
Lab File: VV018532.D
Acq: 29 Sep 2020 21:50

Tgt Ion: 75 Resp: 4336
Ion Ratio Lower Upper
75 100
77 54.3 23.0 42.6#





#42

Toluene

Concen: 3.197 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV018532.D

Acq: 29 Sep 2020 21:50

Instrument :

MSVOA_V

ClientSampleId :

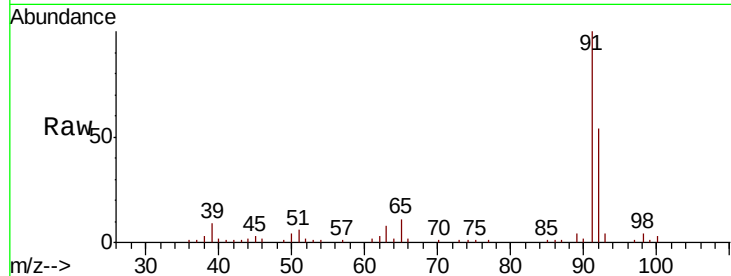
BG3N7

Tot Ion: 91 Resp: 39654

Ion Ratio Lower Upper

91 100

92 54.2 41.6 77.3



Abundance Ion 91.00 (90.70 to 91.70): VV018532.D (-1967) (-)

Ion 92.00 (91.70 to 92.70): VV018532.D (-1967) (-)

7.41

25000

20000

15000

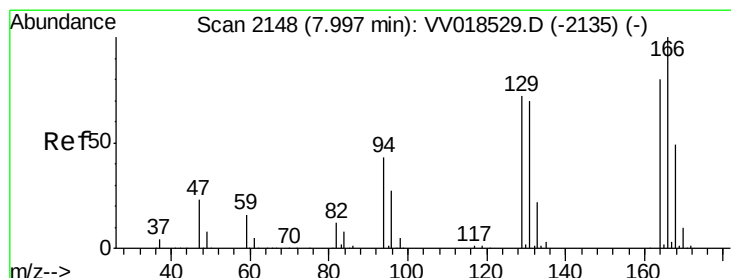
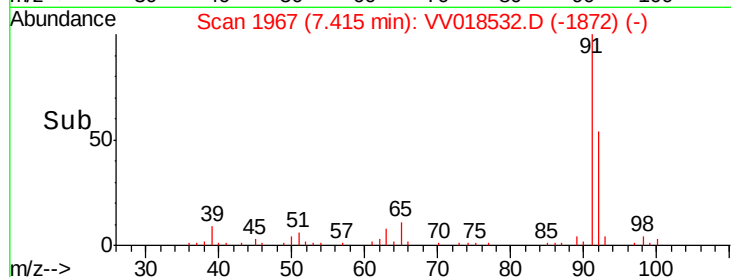
10000

5000

0

Time-->

7.35 7.40 7.45 7.50



#46

Tetrachloroethene

Concen: 2.450 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV018532.D

Acq: 29 Sep 2020 21:50

Tgt Ion: 164 Resp: 6615

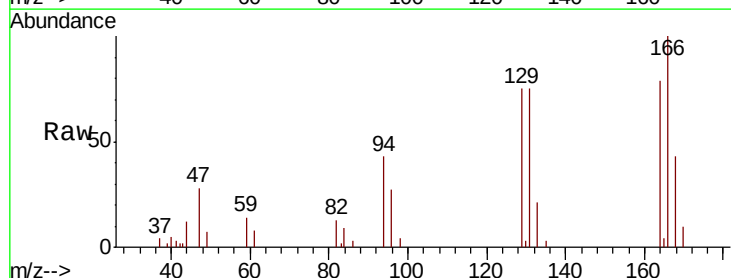
Ion Ratio Lower Upper

164 100

129 94.4 62.8 116.6

131 94.5 60.8 112.8

166 126.5 88.9 165.1



Abundance Ion 164.00 (163.70 to 164.70): VV018532.D (-2148) (-)

Ion 129.00 (128.70 to 129.70): VV018532.D (-2148) (-)

Ion 131.00 (130.70 to 131.70): VV018532.D (-2148) (-)

Ion 166.00 (165.70 to 166.70): VV018532.D (-2148) (-)

6000

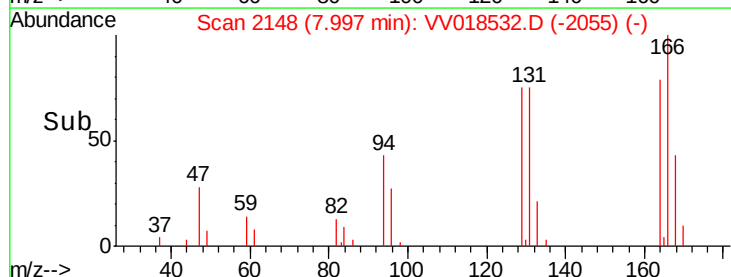
4000

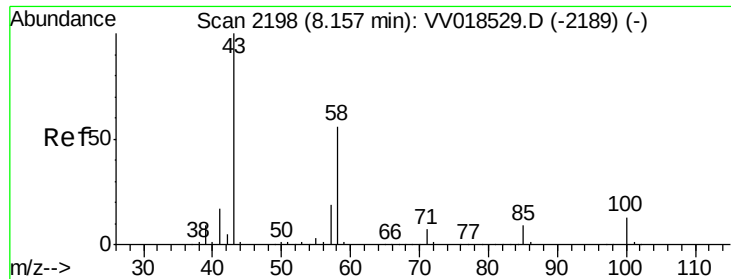
2000

0

Time-->

7.95 8.00 8.05

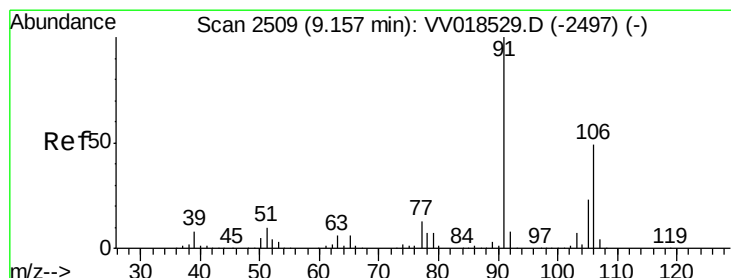
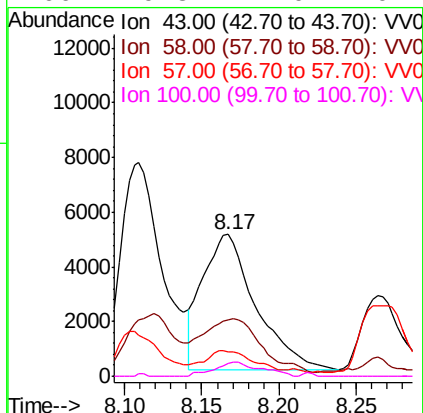
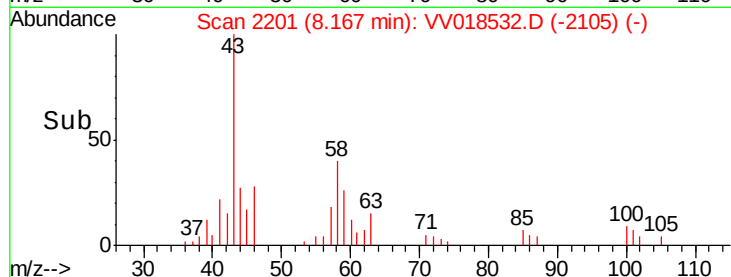
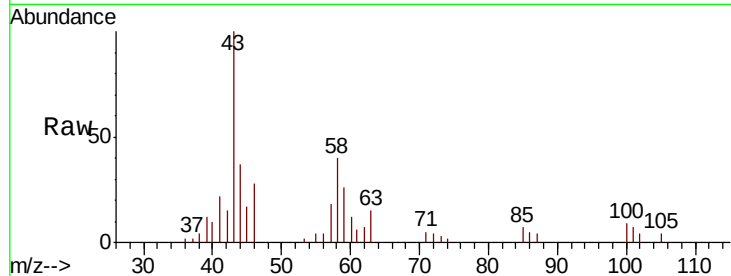




#48
2-Hexanone
Concen: 3.965 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.01 min
Lab File: VV018532.D
Acq: 29 Sep 2020 21:50

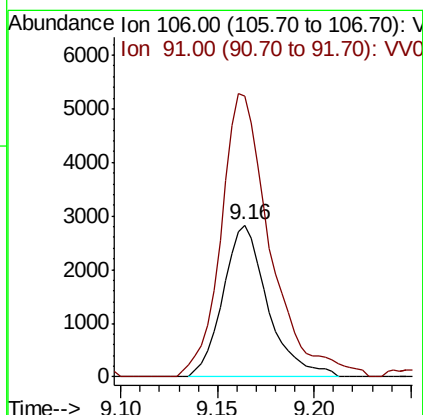
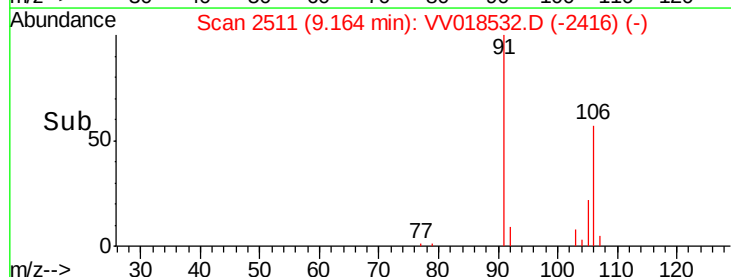
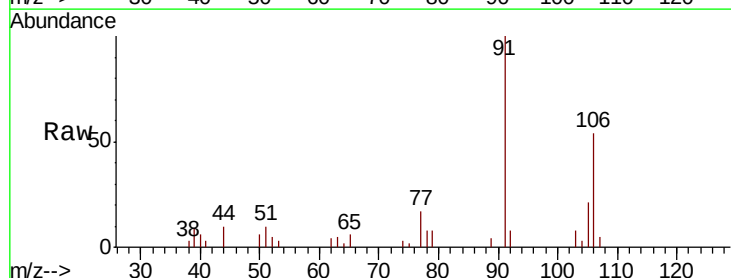
Instrument :
MSVOA_V
ClientSampleId :
BG3N7

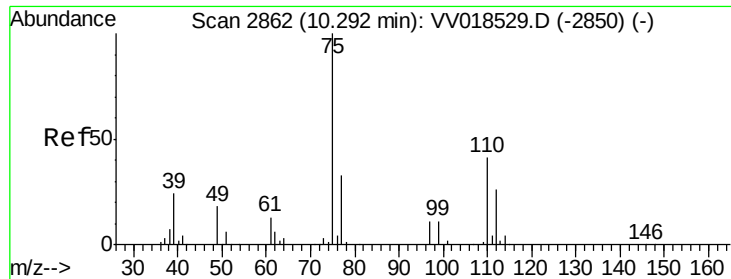
Tot Ion: 43 Resp: 11741
Ion Ratio Lower Upper
43 100
58 0.0 45.1 67.7#
57 11.8 15.7 23.5#
100 9.3 11.0 16.4#



#53
m,p-Xylene
Concen: 0.851 ug/L
RT: 9.16 min Scan# 2511
Delta R.T. 0.01 min
Lab File: VV018532.D
Acq: 29 Sep 2020 21:50

Tgt Ion: 106 Resp: 4554
Ion Ratio Lower Upper
106 100
91 184.9 142.3 264.3





#59

1,2,3-Trichloropropane

Concen: 5.992 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018532.D

Acq: 29 Sep 2020 21:50

Instrument :

MSVOA_V

ClientSampleId :

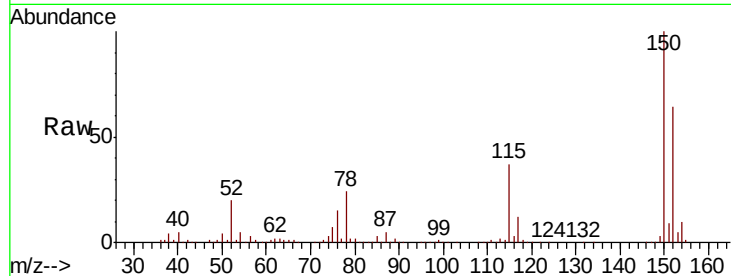
BG3N7

Tot Ion: 75 Resp: 21439

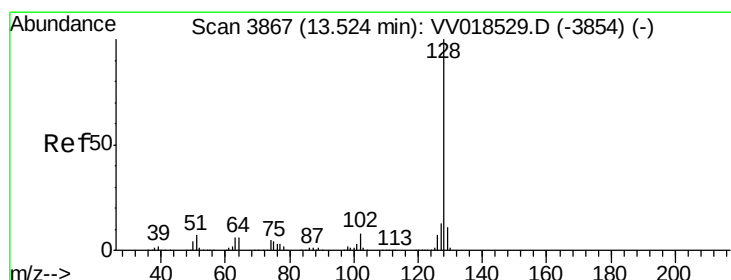
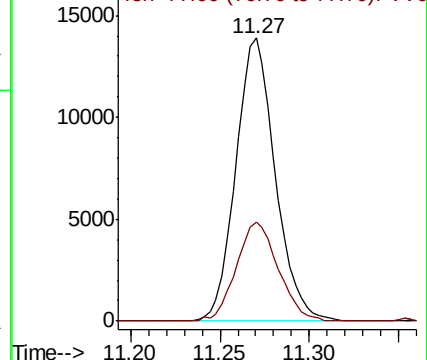
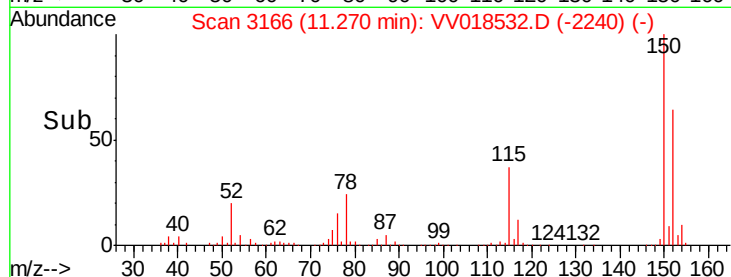
Ion Ratio Lower Upper

75 100

77 37.1 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VV018532.D (-2240) (-)



#69

Naphthalene

Concen: 0.684 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.01 min

Lab File: VV018532.D

Acq: 29 Sep 2020 21:50

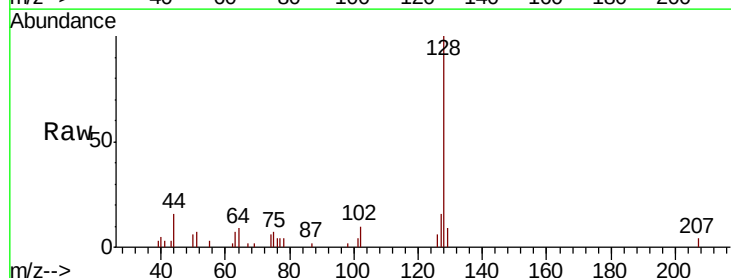
Tgt Ion: 128 Resp: 7955

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

129 10.5 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): VV018532.D (-3245) (-)

