

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092920\
 Data File : VV018531.D
 Acq On : 29 Sep 2020 21:26
 Operator : SY/MD
 Sample : L4149-12
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3N6

Quant Time: Sep 30 04:52:31 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	427367	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	403909	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	202624	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	111062	44.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.62%
7) Chloroethane-d5	1.58	69	99397	47.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.92%
11) 1,1-Dichloroethene-d2	2.12	63	172751	33.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.66%
21) 2-Butanone-d5	3.92	46	174806	93.50	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.50%
24) Chloroform-d	4.38	84	230048	42.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.90%
26) 1,2-Dichloroethane-d4	5.06	65	156456	45.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.94%
32) Benzene-d6	5.08	84	481947	47.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.22%
36) 1,2-Dichloropropane-d6	6.09	67	151386	48.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.94%
41) Toluene-d8	7.34	98	443486	46.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.16%
43) trans-1,3-Dichloropropene-	7.64	79	73213	43.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.68%
47) 2-Hexanone-d5	8.11	63	104741	89.21	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.21%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	184081	44.92	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.84%
64) 1,2-Dichlorobenzene-d4	11.65	152	188317	48.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.66%

Target Compounds

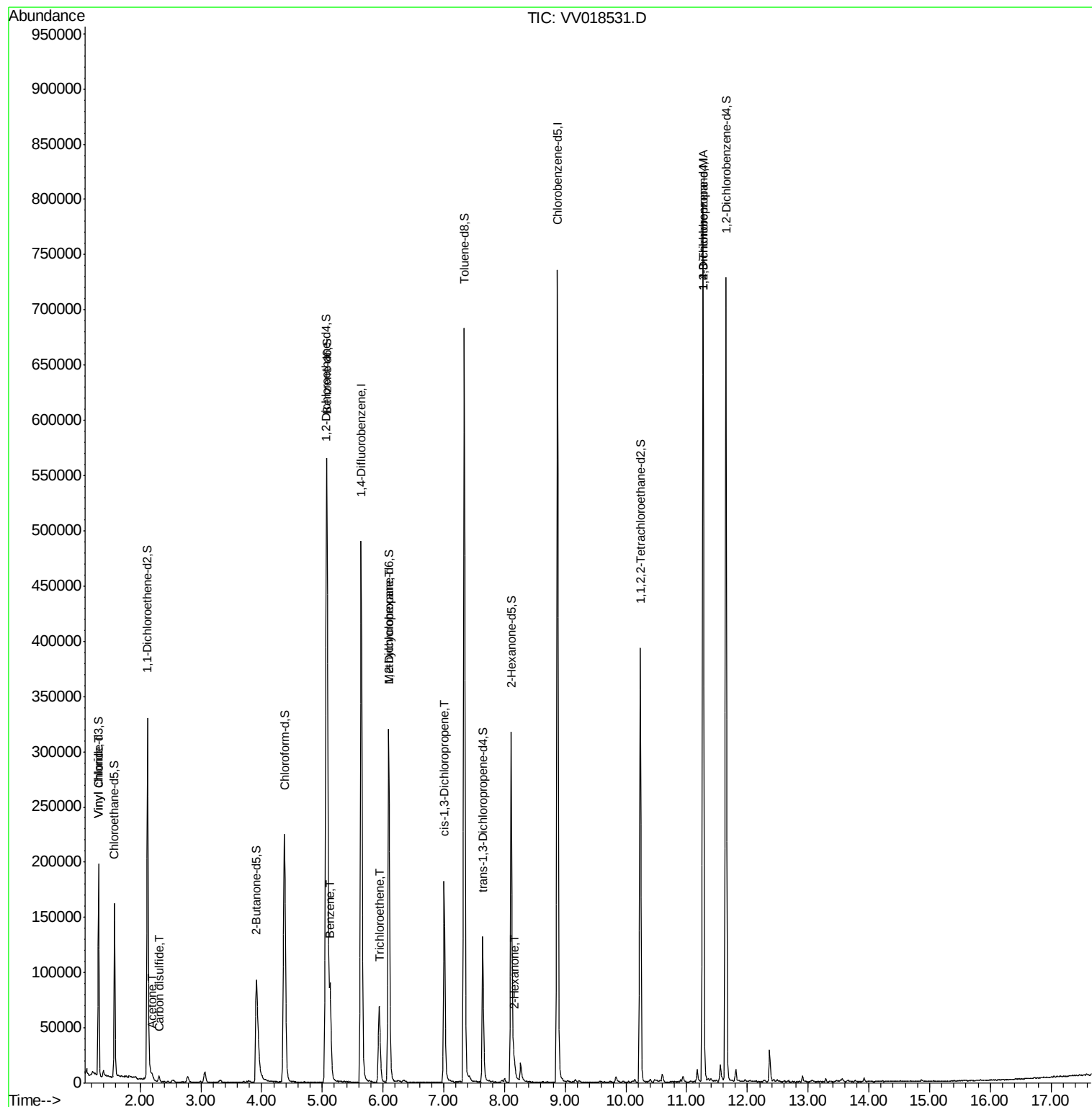
					Ovalue
5) Vinyl chloride	1.32	62	3745	1.146 ug/L #	45
13) Acetone	2.20	43	7285	4.510 ug/L	87
14) Carbon disulfide	2.31	76	6174	0.714 ug/L #	94
33) Benzene	5.13	78	89165	7.514 ug/L	100
34) Trichloroethene	5.94	95	18885	5.482 ug/L	96
35) Methylcyclohexane	6.09	83	36909	7.942 ug/L #	18
39) cis-1,3-Dichloropropene	7.01	75	4435	0.928 ug/L #	59
48) 2-Hexanone	8.16	43	9170	2.992 ug/L #	46
59) 1,2,3-Trichloropropane	11.27	75	23175	6.258 ug/L	92

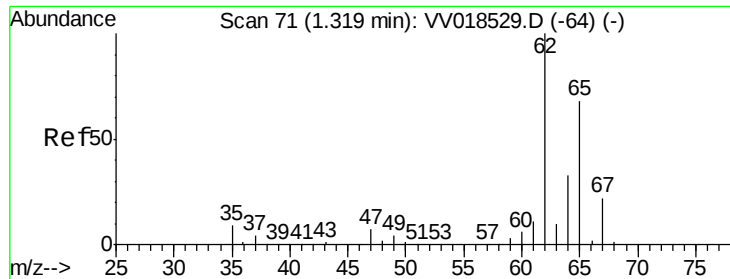
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.146 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

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Acq: 29 Sep 2020 21:26

Instrument :

MSVOA_V

ClientSampleId :

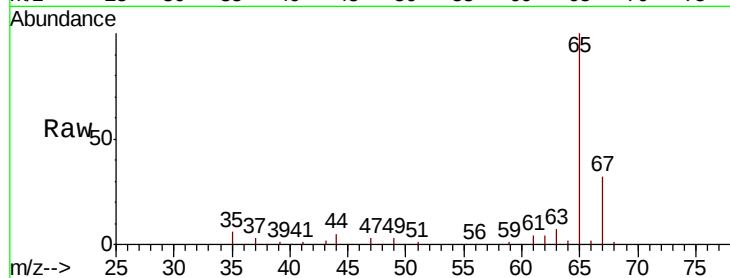
BG3N6

Tot Ion: 62 Resp: 3745

Ion Ratio Lower Upper

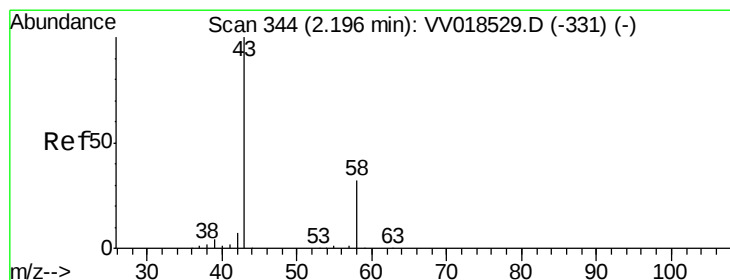
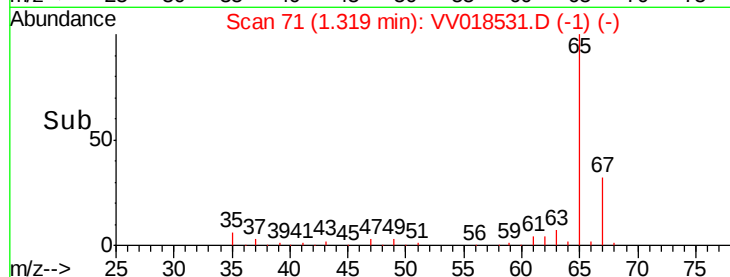
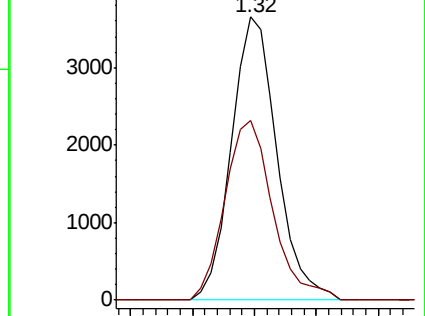
62 100

64 63.5 22.9 42.5#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#13

Acetone

Concen: 4.510 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.00 min

Lab File: VV018531.D

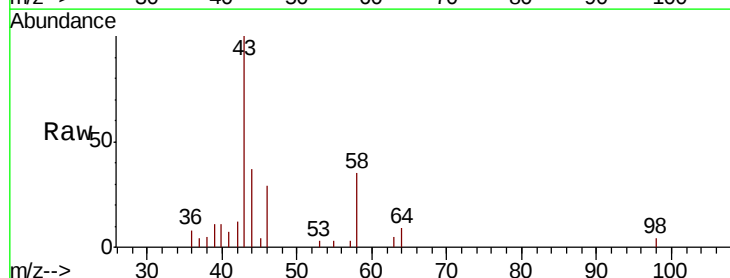
Acq: 29 Sep 2020 21:26

Tgt Ion: 43 Resp: 7285

Ion Ratio Lower Upper

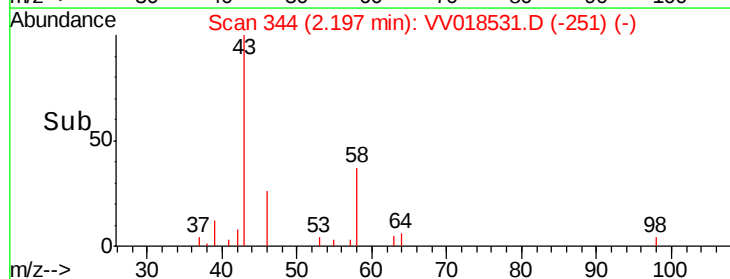
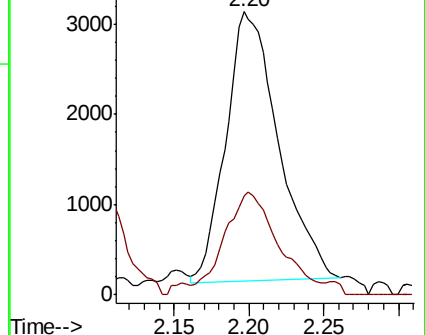
43 100

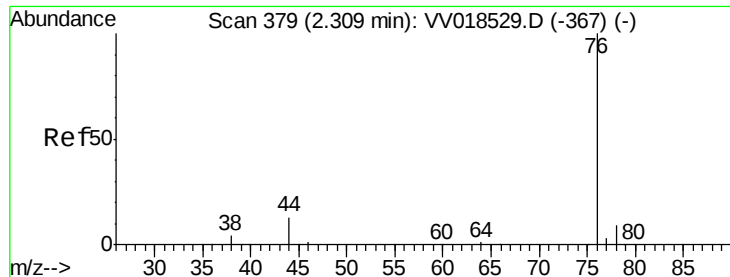
58 39.4 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0





#14

Carbon disulfide

Concen: 0.714 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV018531.D

Acq: 29 Sep 2020 21:26

Instrument :

MSVOA_V

ClientSampleId :

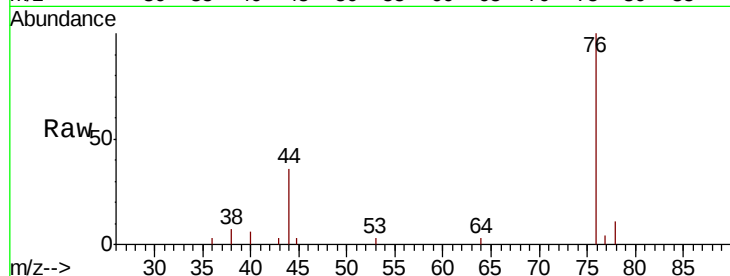
BG3N6

Tot Ion: 76 Resp: 6174

Ion Ratio Lower Upper

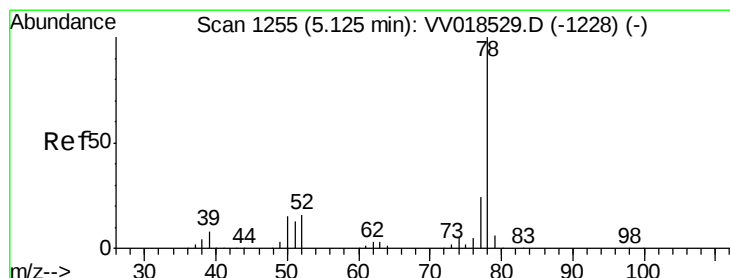
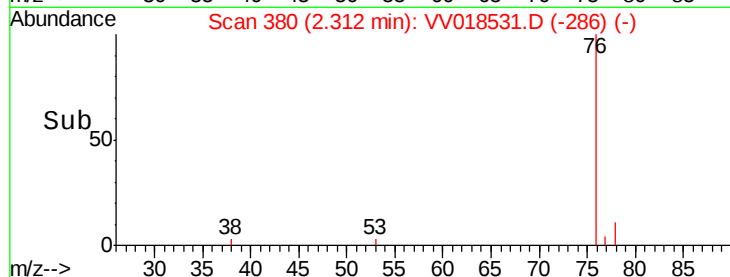
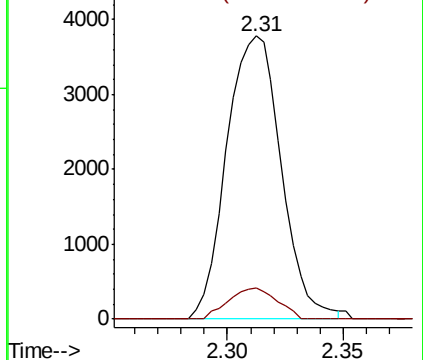
76 100

78 10.9 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: 7.514 ug/L

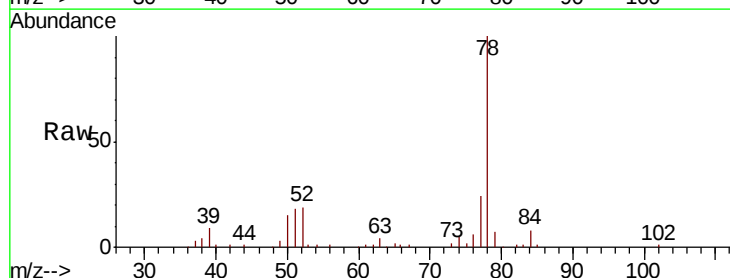
RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

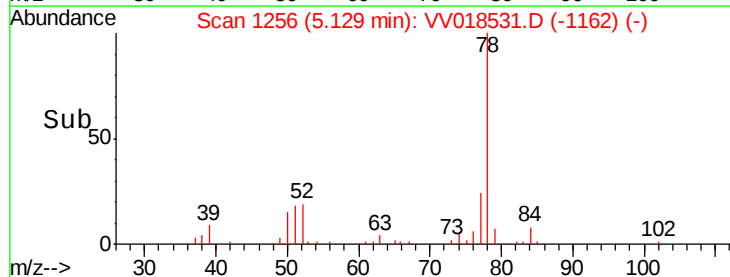
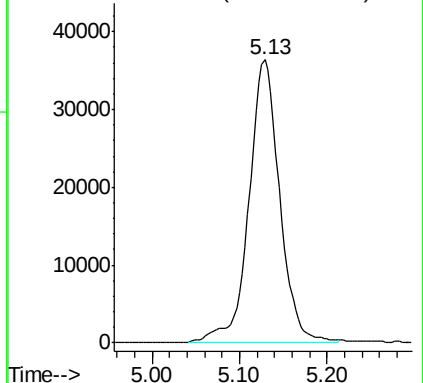
Lab File: VV018531.D

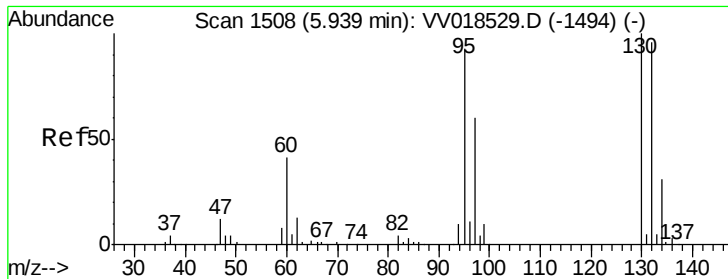
Acq: 29 Sep 2020 21:26

Tgt Ion: 78 Resp: 89165



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 5.482 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VV018531.D

Acq: 29 Sep 2020 21:26

Instrument :

MSVOA_V

ClientSampleId :

BG3N6

Tot Ion: 95 Resp: 18885

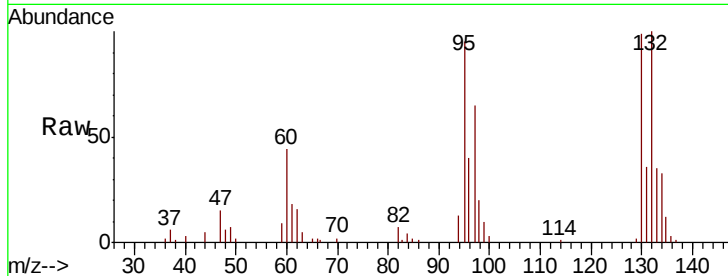
Ion Ratio Lower Upper

95 100

97 68.5 45.9 85.3

132 104.9 70.8 131.4

130 103.8 75.3 139.8

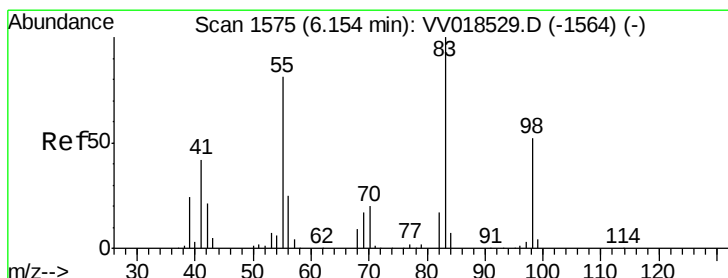
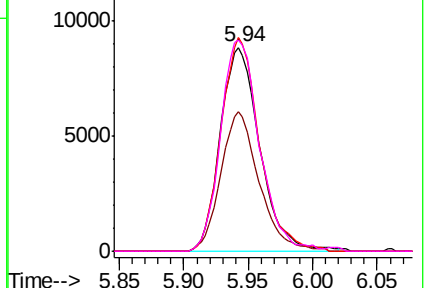
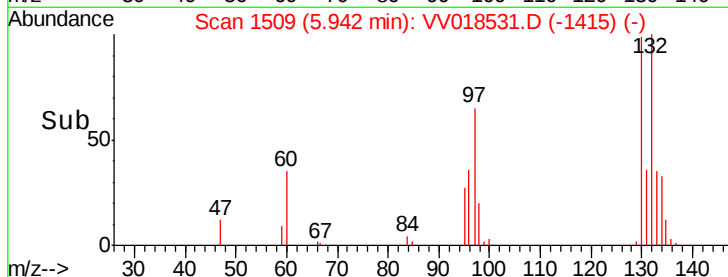


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 7.942 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV018531.D

Acq: 29 Sep 2020 21:26

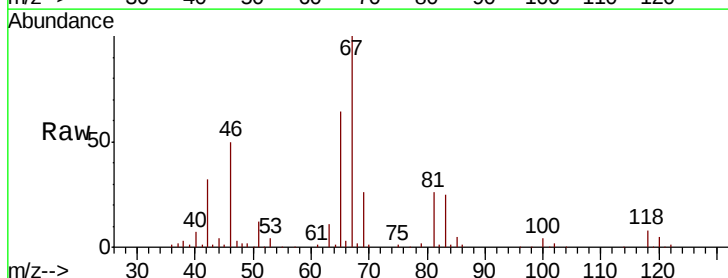
Tgt Ion: 83 Resp: 36909

Ion Ratio Lower Upper

83 100

55 0.0 60.1 90.1#

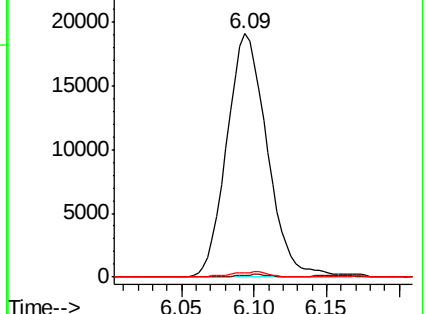
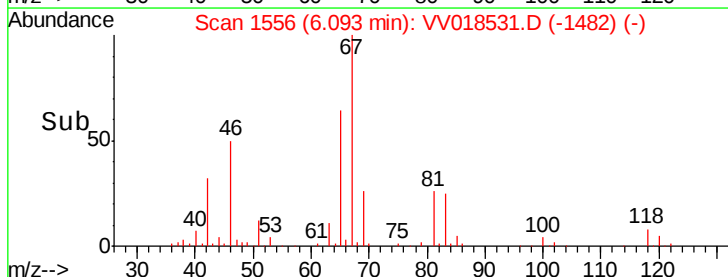
98 0.4 40.2 60.4#

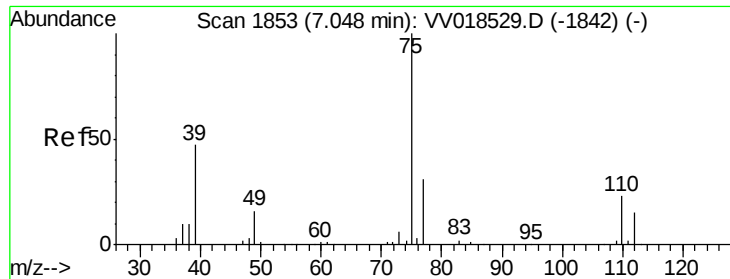


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

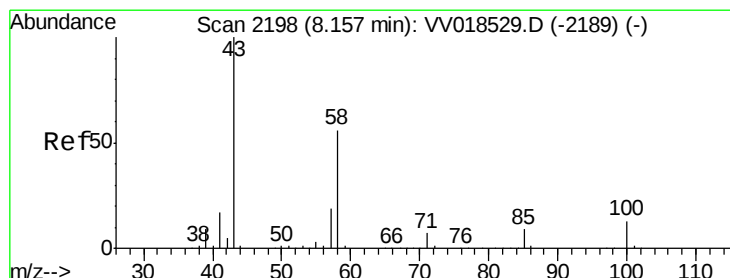
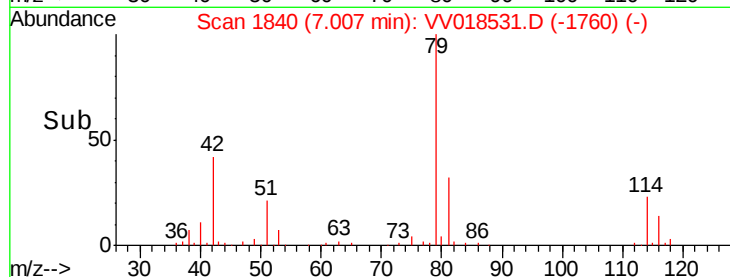
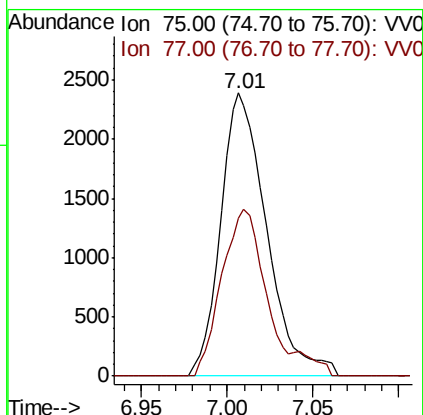
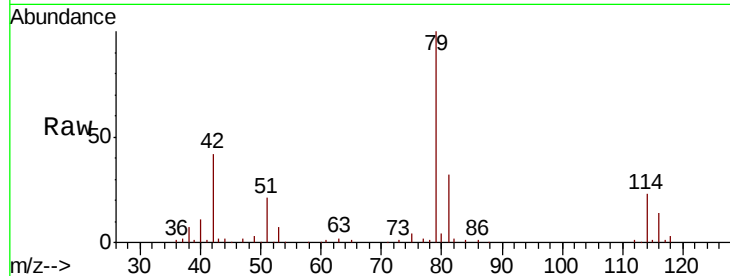




#39
 cis-1,3-Dichloropropene
 Concen: 0.928 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV018531.D
 Acq: 29 Sep 2020 21:26

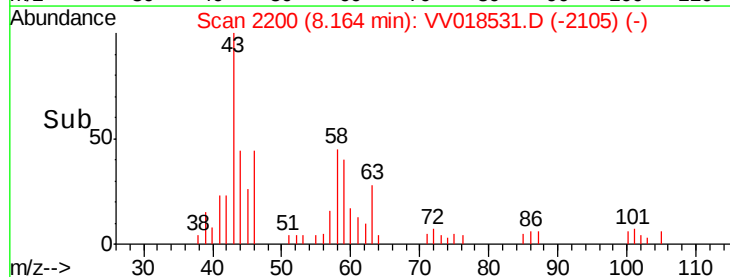
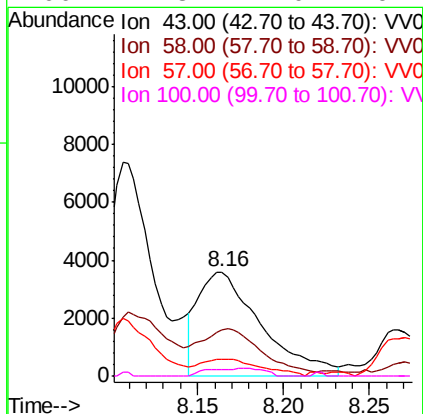
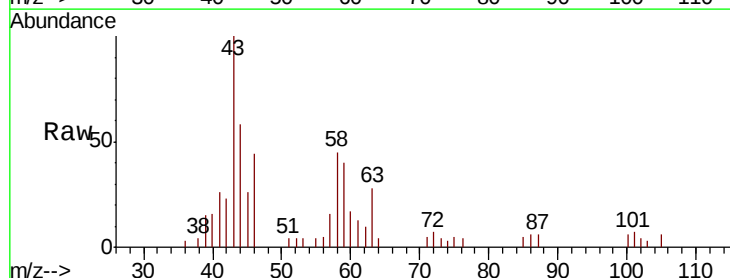
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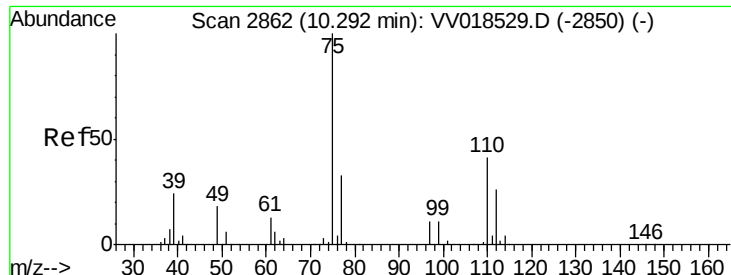
Tot Ion: 75 Resp: 4435
 Ion Ratio Lower Upper
 75 100
 77 55.9 23.0 42.6#



#48
 2-Hexanone
 Concen: 2.992 ug/L
 RT: 8.16 min Scan# 2200
 Delta R.T. 0.01 min
 Lab File: VV018531.D
 Acq: 29 Sep 2020 21:26

Tgt Ion: 43 Resp: 9170
 Ion Ratio Lower Upper
 43 100
 58 0.0 45.1 67.7#
 57 15.9 15.7 23.5
 100 2.8 11.0 16.4#





#59

1,2,3-Trichloropropane

Concen: 6.258 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018531.D

Acq: 29 Sep 2020 21:26

Instrument :

MSVOA_V

ClientSampleId :

BG3N6

Tot Ion: 75 Resp: 23175

Ion Ratio Lower Upper

75 100

77 36.3 25.4 38.0

