

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082820\
 Data File : VV018131.D
 Acq On : 28 Aug 2020 12:03
 Operator : SY/MD
 Sample : L3800-21DL 5X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3J3DL

Quant Time: Aug 29 00:40:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 29 00:38:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	273397	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	270146	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	131231	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	85335	40.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.82%
7) Chloroethane-d5	1.58	69	77692	45.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.04%
11) 1,1-Dichloroethene-d2	2.12	63	135454	33.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.90%
21) 2-Butanone-d5	3.91	46	125708	92.01	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.01%
24) Chloroform-d	4.38	84	169454	44.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.26%
26) 1,2-Dichloroethane-d4	5.06	65	118217	47.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.86%
32) Benzene-d6	5.08	84	343393	46.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.24%
36) 1,2-Dichloropropane-d6	6.09	67	114474	47.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.06%
41) Toluene-d8	7.34	98	300496	44.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.76%
43) trans-1,3-Dichloropropene-	7.64	79	51225	46.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.80%
47) 2-Hexanone-d5	8.11	63	64241	82.25	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.25%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	139099	43.89	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.78%
64) 1,2-Dichlorobenzene-d4	11.65	152	130783	50.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.28%

Target Compounds

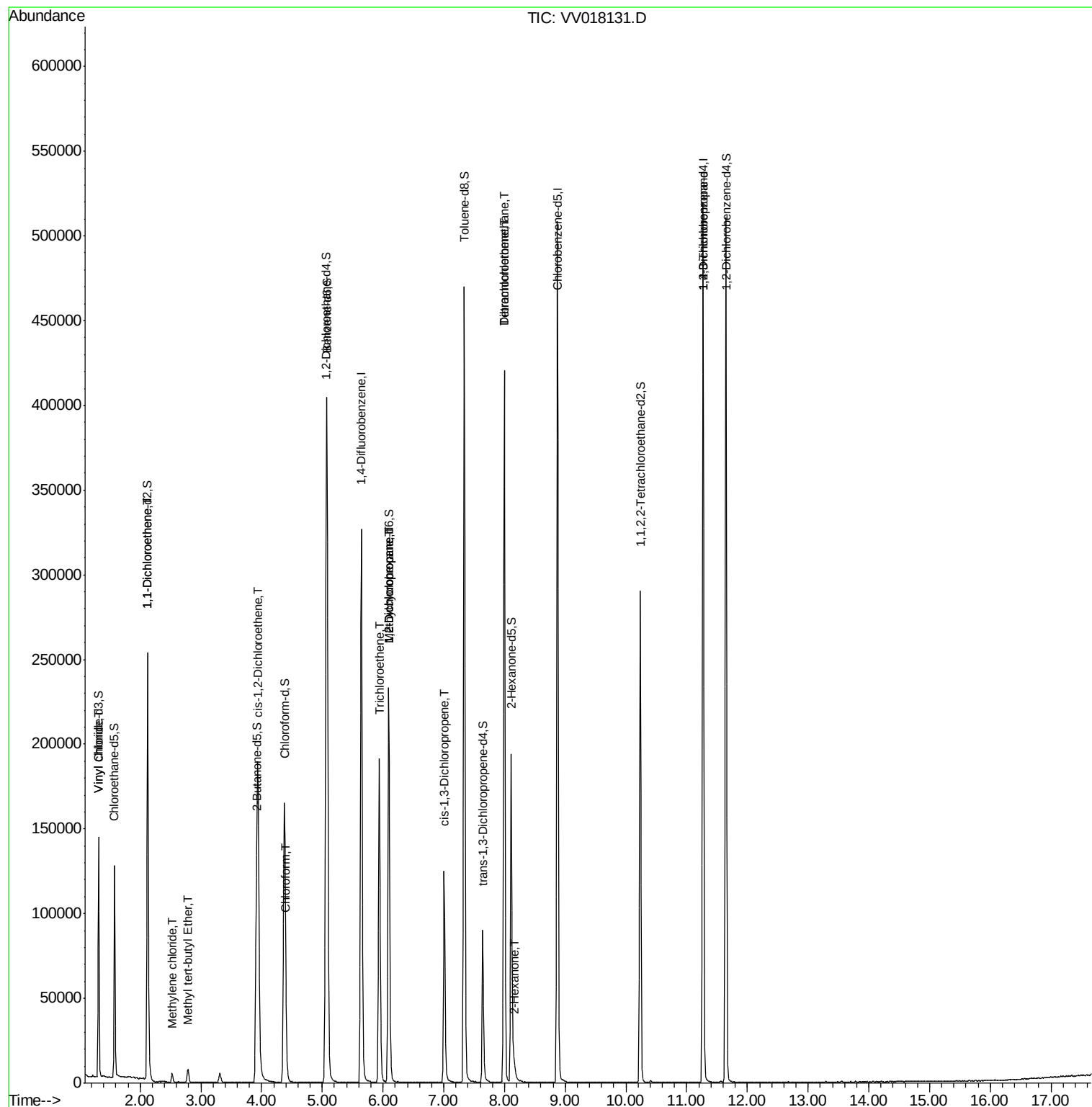
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	1883	0.775	ug/L #	1
12) 1,1-Dichloroethene	2.13	96	2309	1.259	ug/L #	1
16) Methylene chloride	2.53	84	2336	1.000	ug/L	98
18) Methyl tert-butyl Ether	2.79	73	6239	1.001	ug/L	97
20) cis-1,2-Dichloroethene	3.94	96	88638	42.786	ug/L	98
25) Chloroform	4.41	83	7628	1.973	ug/L	94
34) Trichloroethene	5.94	95	64021	28.979	ug/L	98
35) Methylcyclohexane	6.09	83	26917	8.194	ug/L #	17
37) 1,2-Dichloropropane	6.09	63	12565	5.513	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	3246	1.005	ug/L #	65
46) Tetrachloroethene	8.00	164	95128	58.713	ug/L	99
48) 2-Hexanone	8.17	43	5543	2.307	ug/L #	89
49) Dibromochloromethane	8.00	129	86458	41.963	ug/L #	10
59) 1,2,3-Trichloropropane	11.27	75	15318	5.442	ug/L	92

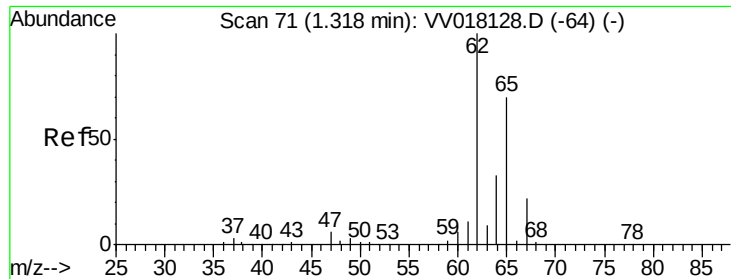
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Aug 29 00:38:30 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.775 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018131.D

Acq: 28 Aug 2020 12:03

Instrument :

MSVOA_V

ClientSampleId :

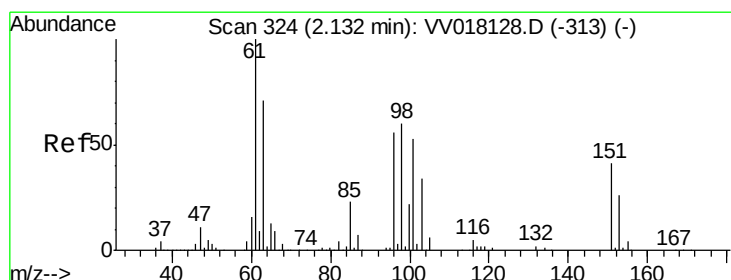
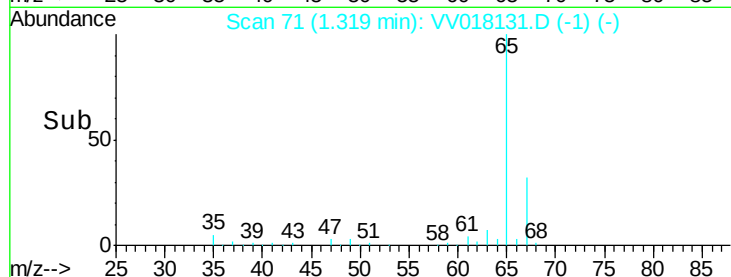
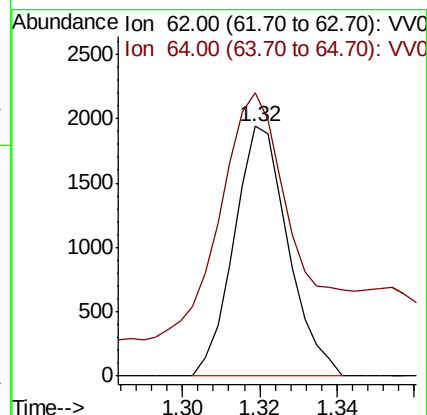
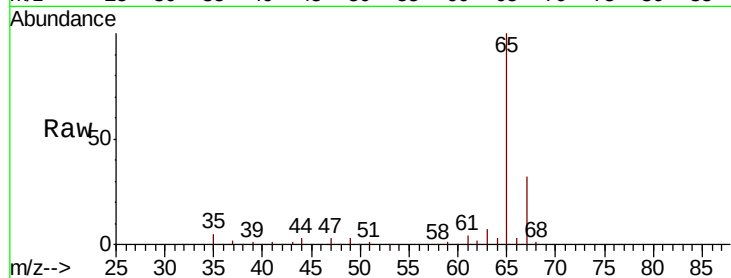
BG3J3DL

Tot Ion: 62 Resp: 1883

Ion Ratio Lower Upper

62 100

64 113.3 22.4 41.6#



#12

1,1-Dichloroethene

Concen: 1.259 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018131.D

Acq: 28 Aug 2020 12:03

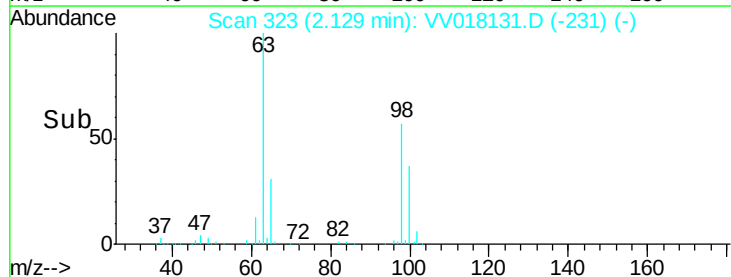
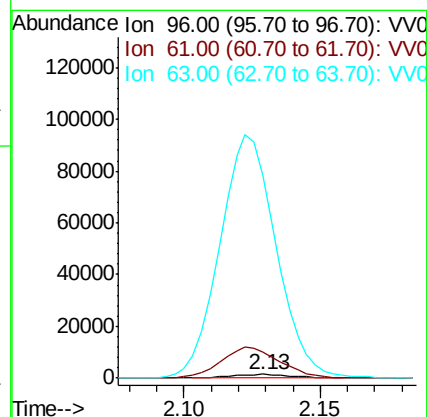
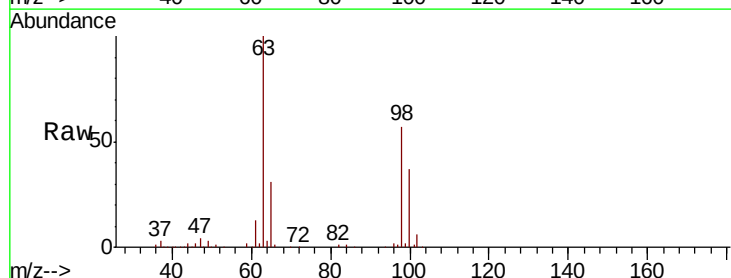
Tgt Ion: 96 Resp: 2309

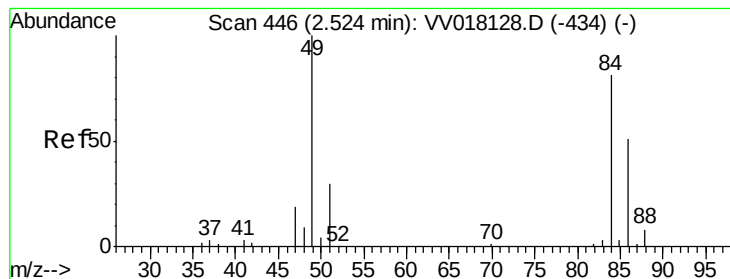
Ion Ratio Lower Upper

96 100

61 706.8 127.1 236.0#

63 5422.5 95.2 176.8#





#16

Methylene chloride

Concen: 1.000 ug/L

RT: 2.53 min Scan# 447

Delta R.T. 0.00 min

Lab File: VV018131.D

Acq: 28 Aug 2020 12:03

Instrument :

MSVOA_V

ClientSampleId :

BG3J3DL

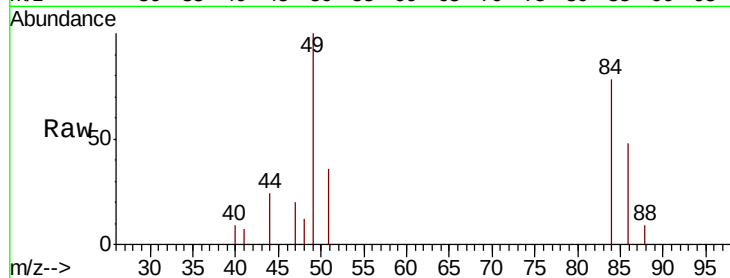
Tot Ion: 84 Resp: 2336

Ion Ratio Lower Upper

84 100

86 62.5 46.3 85.9

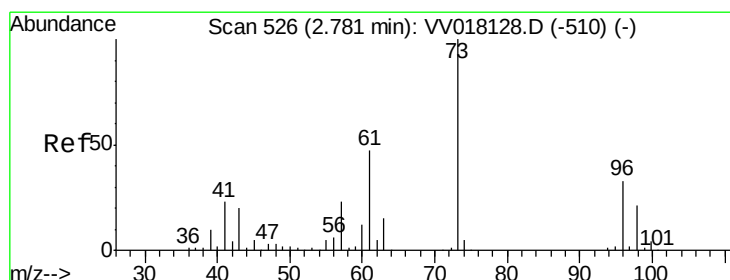
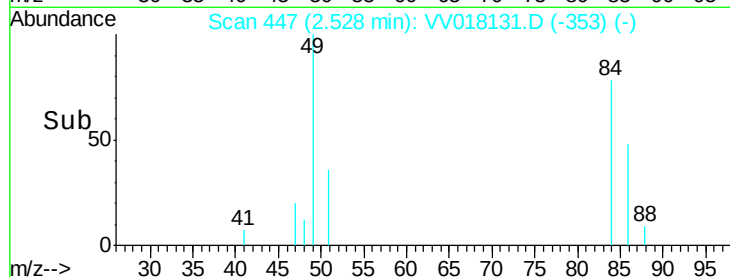
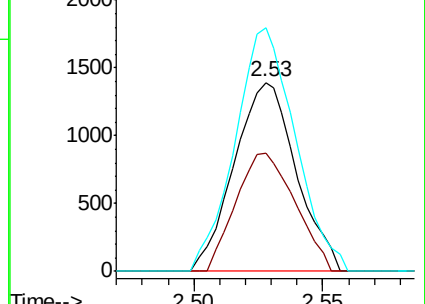
49 128.8 89.7 166.5



Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0



#18

Methyl tert-butyl Ether

Concen: 1.001 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.01 min

Lab File: VV018131.D

Acq: 28 Aug 2020 12:03

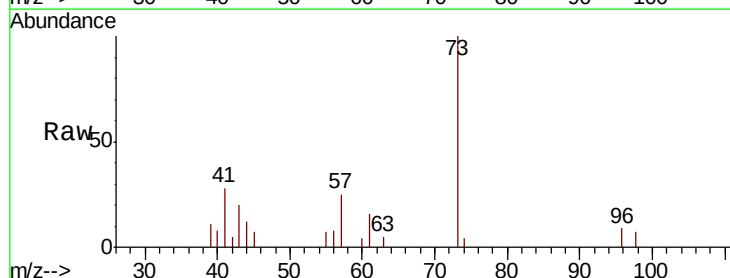
Tgt Ion: 73 Resp: 6239

Ion Ratio Lower Upper

73 100

43 21.0 15.9 23.9

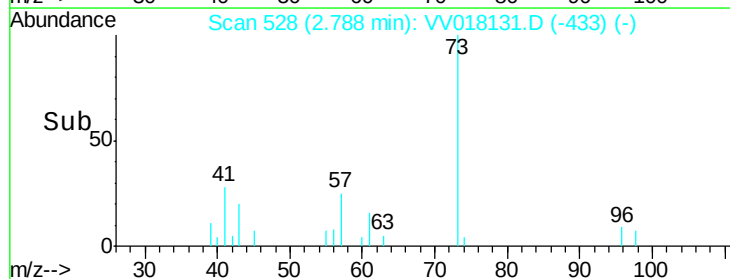
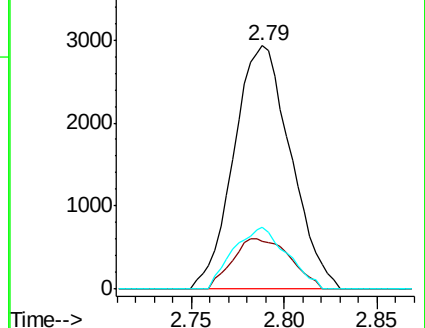
57 24.0 18.1 27.1

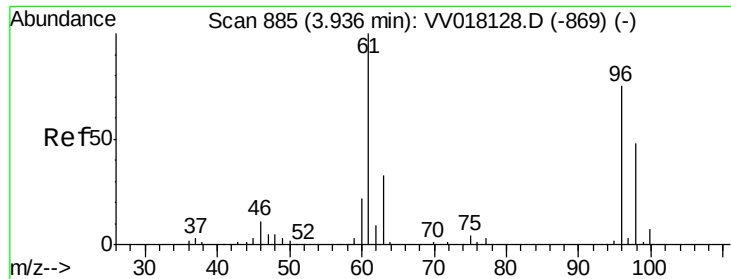


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

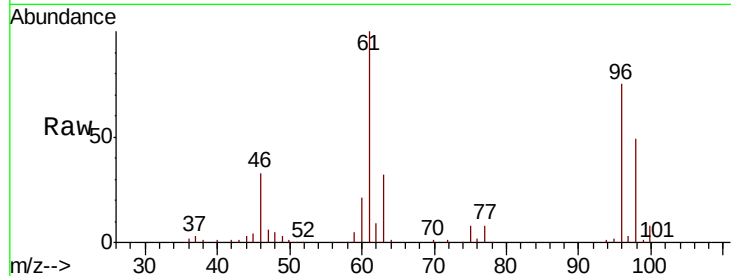




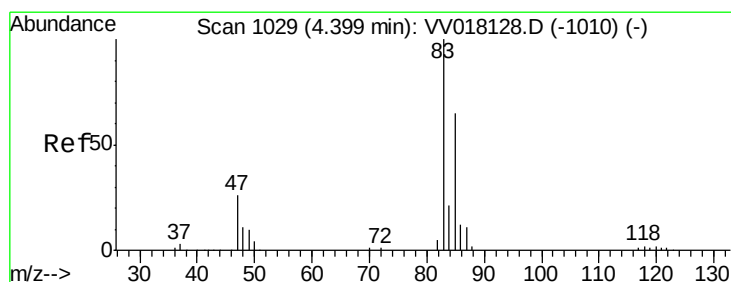
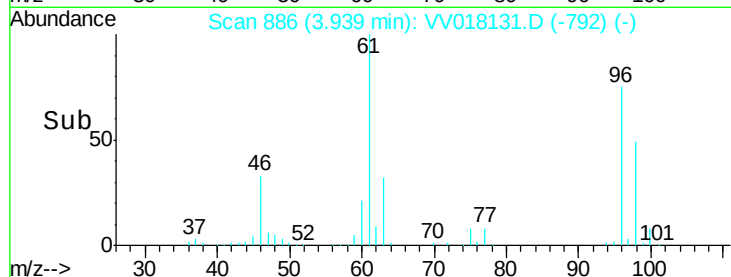
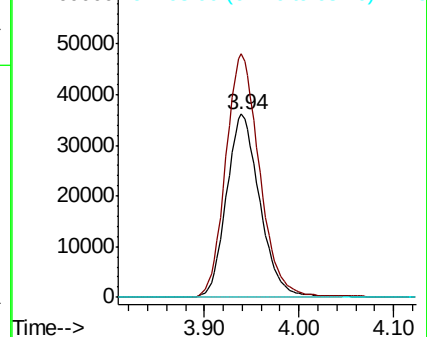
#20
 cis-1,2-Dichloroethene
 Concen: 42.786 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV018131.D
 Acq: 28 Aug 2020 12:03

Instrument :
 MSVOA_V
 ClientSampled :
 BG3J3DL

Tot Ion: 96 Resp: 88638
 Ion Ratio Lower Upper
 96 100
 61 133.1 95.0 176.4
 68 0.0 0.0 0.0

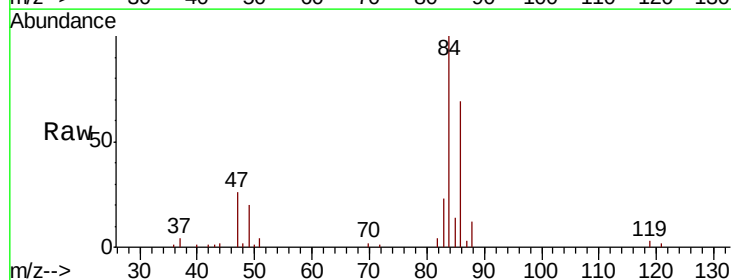


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0

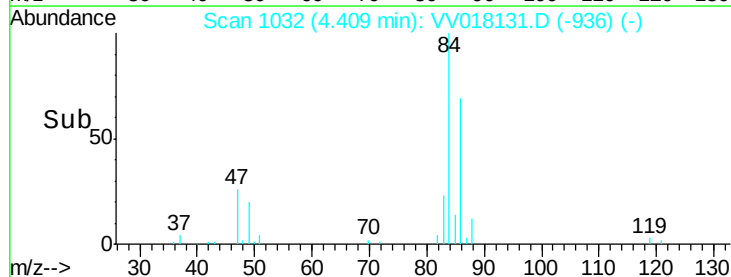
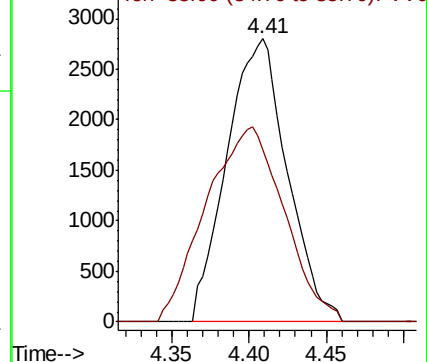


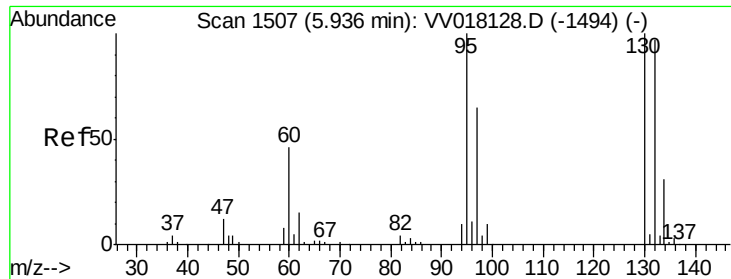
#25
 Chloroform
 Concen: 1.973 ug/L
 RT: 4.41 min Scan# 1032
 Delta R.T. 0.01 min
 Lab File: VV018131.D
 Acq: 28 Aug 2020 12:03

Tgt Ion: 83 Resp: 7628
 Ion Ratio Lower Upper
 83 100
 85 60.6 45.5 84.5



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 85.00 (84.70 to 85.70): VV0





#34

Trichloroethene

Concen: 28.979 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV018131.D

Acq: 28 Aug 2020 12:03

Instrument :

MSVOA_V

ClientSampleId :

BG3J3DL

Tot Ion: 95 Resp: 64021

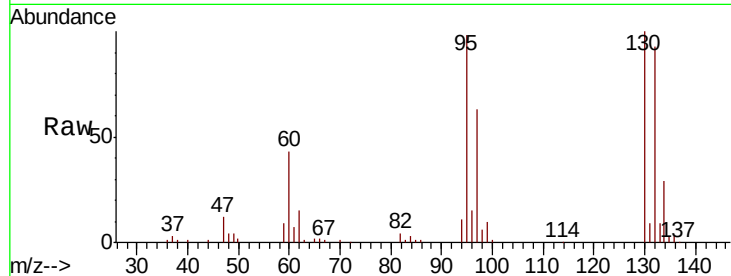
Ion Ratio Lower Upper

95 100

97 65.0 46.0 85.4

132 95.8 65.8 122.2

130 102.5 69.2 128.6



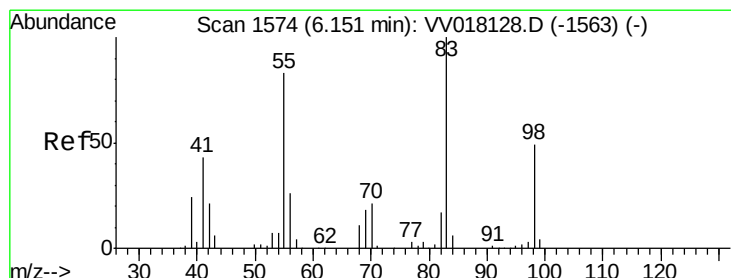
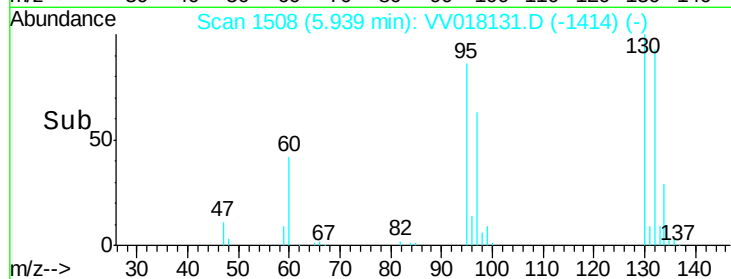
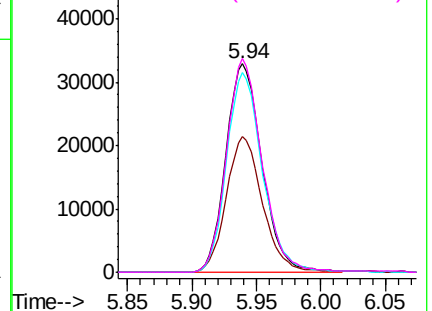
Abundance

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: 8.194 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV018131.D

Acq: 28 Aug 2020 12:03

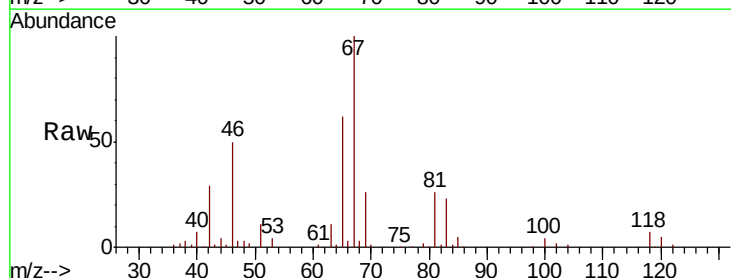
Tgt Ion: 83 Resp: 26917

Ion Ratio Lower Upper

83 100

55 0.2 64.9 97.3#

98 1.6 38.7 58.1#

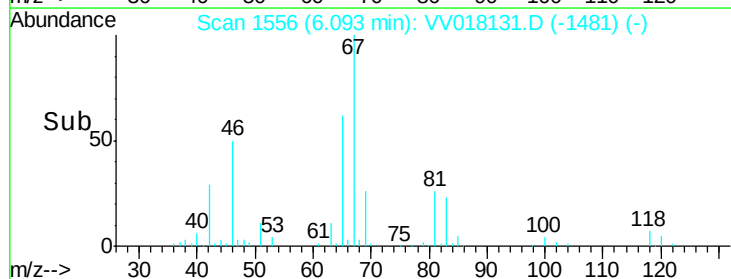
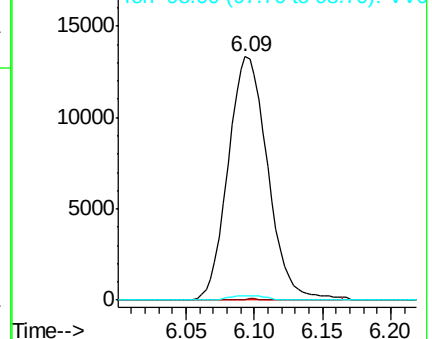


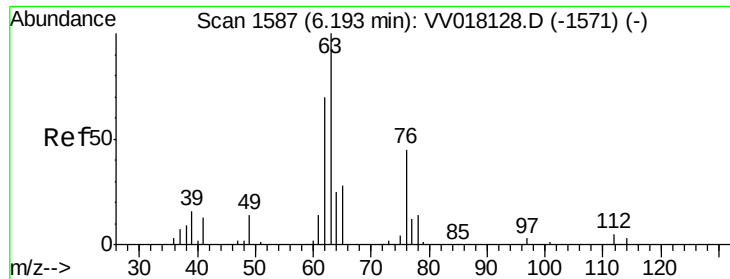
Abundance

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

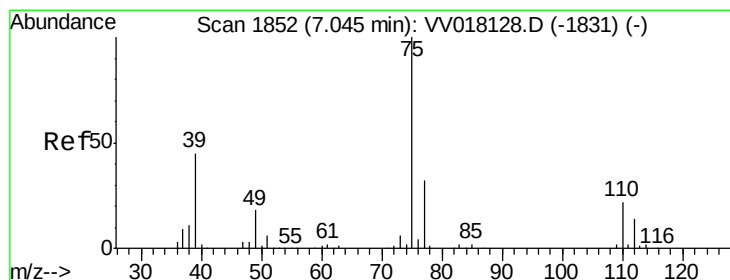
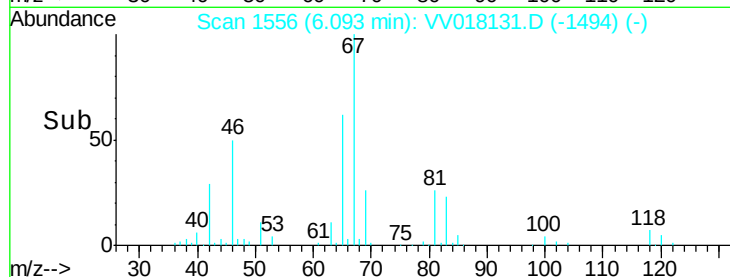
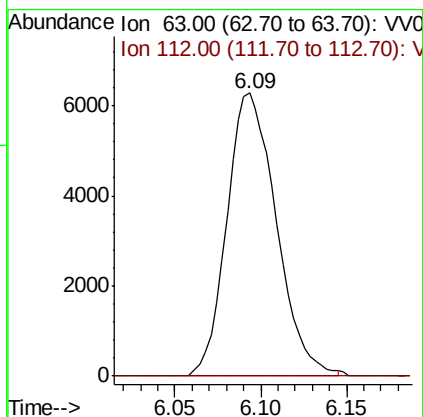
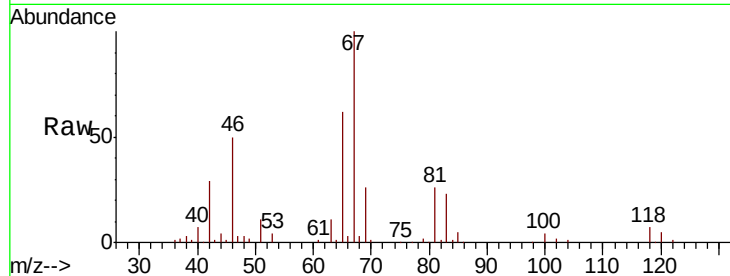




#37
 1,2-Dichloropropane
 Concen: 5.513 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.10 min
 Lab File: VV018131.D
 Acq: 28 Aug 2020 12:03

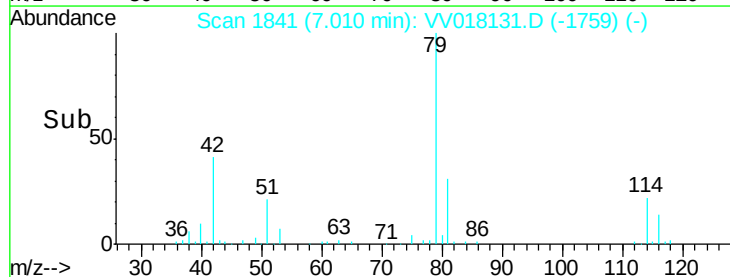
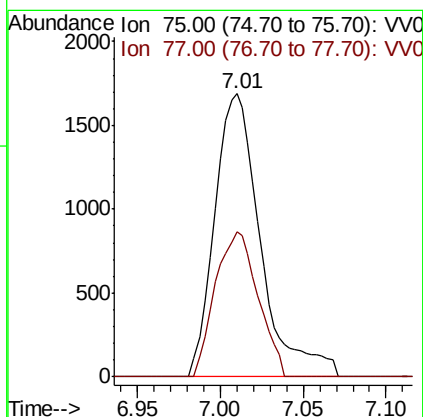
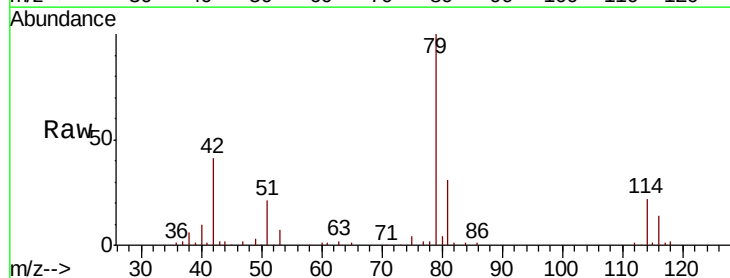
Instrument :
 MSVOA_V
 ClientSampleId :
 BG3J3DL

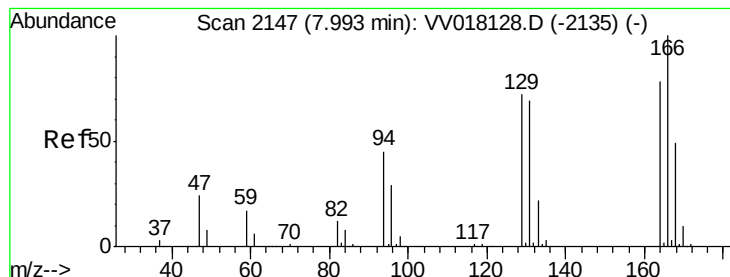
Tot Ion: 63 Resp: 12565
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 1.005 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV018131.D
 Acq: 28 Aug 2020 12:03

Tgt Ion: 75 Resp: 3246
 Ion Ratio Lower Upper
 75 100
 77 51.1 22.3 41.5#





#46

Tetrachloroethene

Concen: 58.713 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV018131.D

Acq: 28 Aug 2020 12:03

Instrument :

MSVOA_V

ClientSampleId :

BG3J3DL

Tot Ion:164 Resp: 95128

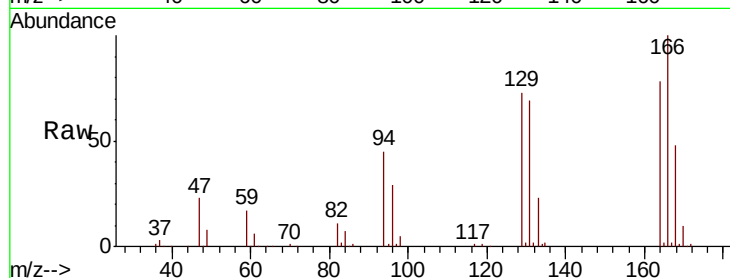
Ion Ratio Lower Upper

164 100

129 92.8 64.8 120.3

131 88.4 64.5 119.9

166 127.6 88.9 165.1

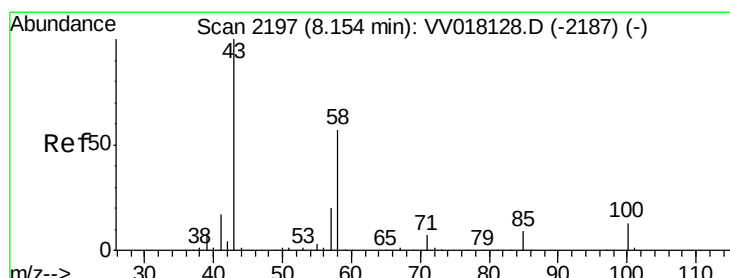
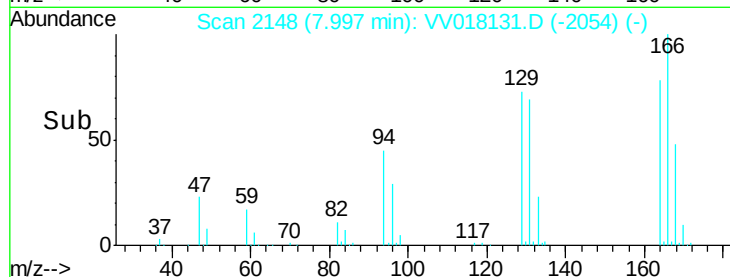
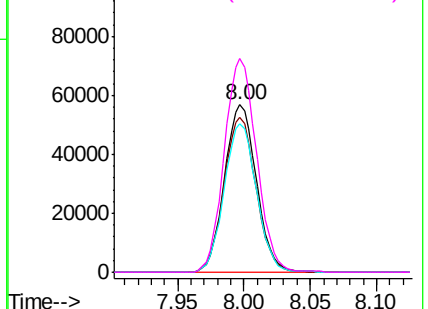


Abundance Ion 164.00 (163.70 to 164.70): V

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



#48

2-Hexanone

Concen: 2.307 ug/L

RT: 8.17 min Scan# 2201

Delta R.T. 0.01 min

Lab File: VV018131.D

Acq: 28 Aug 2020 12:03

Tgt Ion: 43 Resp: 5543

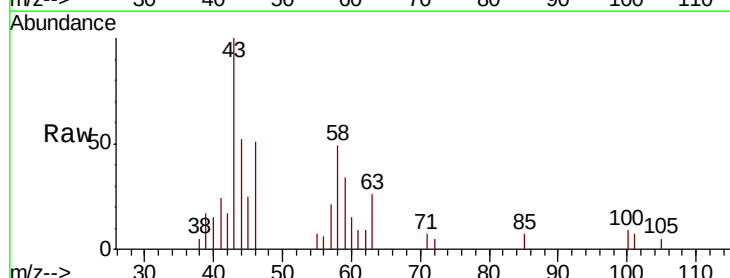
Ion Ratio Lower Upper

43 100

58 46.3 44.4 66.6

57 20.0 15.2 22.8

100 6.8 9.8 14.6#

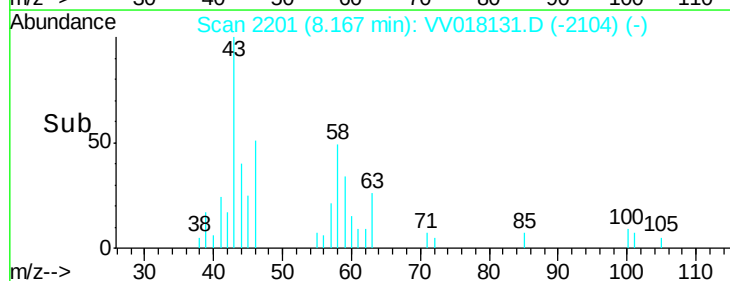
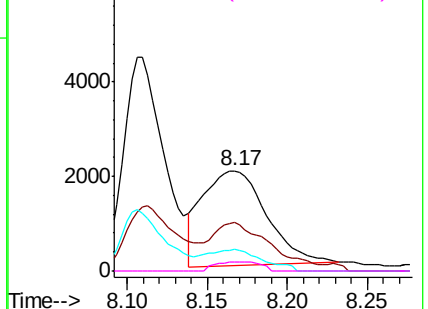


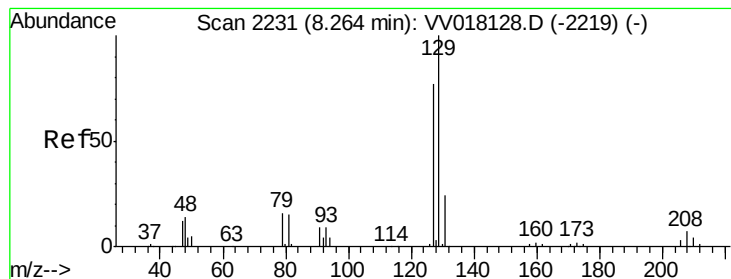
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#49

Dibromochloromethane

Concen: 41.963 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV018131.D

Acq: 28 Aug 2020 12:03

Instrument :

MSVOA_V

ClientSampleId :

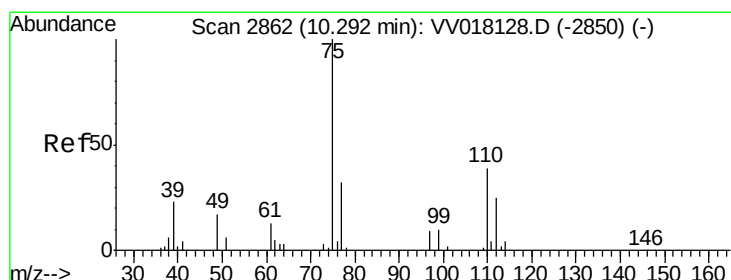
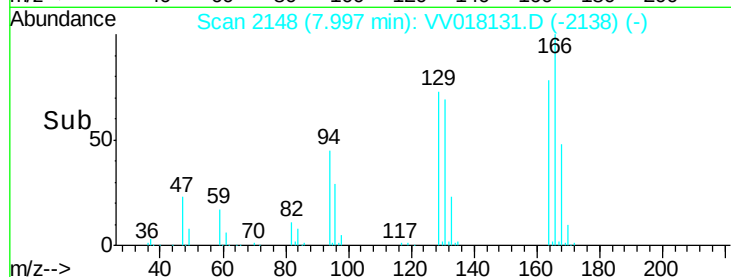
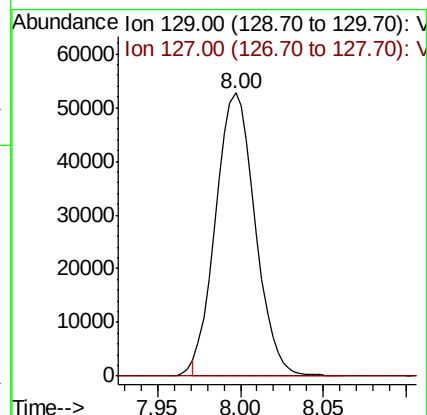
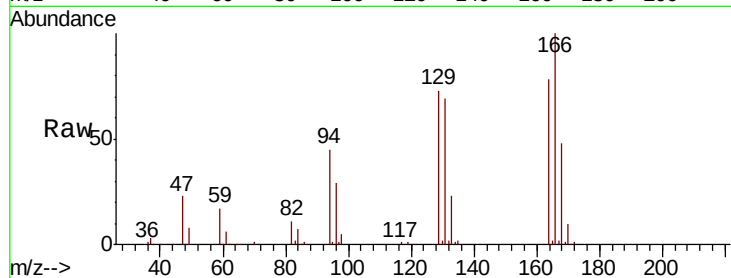
BG3J3DL

Tot Ion:129 Resp: 86458

Ion Ratio Lower Upper

129 100

127 0.0 54.9 101.9#



#59

1,2,3-Trichloropropane

Concen: 5.442 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018131.D

Acq: 28 Aug 2020 12:03

Tgt Ion: 75 Resp: 15318

Ion Ratio Lower Upper

75 100

77 36.7 25.7 38.5

