

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082820\
 Data File : VV018134.D
 Acq On : 28 Aug 2020 13:33
 Operator : SY/MD
 Sample : L3800-19
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3G6

Quant Time: Aug 29 00:40:58 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	277899	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	274120	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	134758	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	80569	38.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.00%
7) Chloroethane-d5	1.58	69	74159	42.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.50%
11) 1,1-Dichloroethene-d2	2.12	63	127491	31.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.86%
21) 2-Butanone-d5	3.91	46	120826	87.00	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.00%
24) Chloroform-d	4.38	84	163522	42.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.74%
26) 1,2-Dichloroethane-d4	5.06	65	113985	45.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.94%
32) Benzene-d6	5.08	84	332084	43.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.92%
36) 1,2-Dichloropropane-d6	6.09	67	111022	44.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.90%
41) Toluene-d8	7.34	98	292042	42.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.98%
43) trans-1,3-Dichloropropene-	7.64	79	51590	46.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.10%
47) 2-Hexanone-d5	8.11	63	67443	85.09	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.09%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	137844	42.86	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.72%
64) 1,2-Dichlorobenzene-d4	11.65	152	127512	48.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.16%

Target Compounds

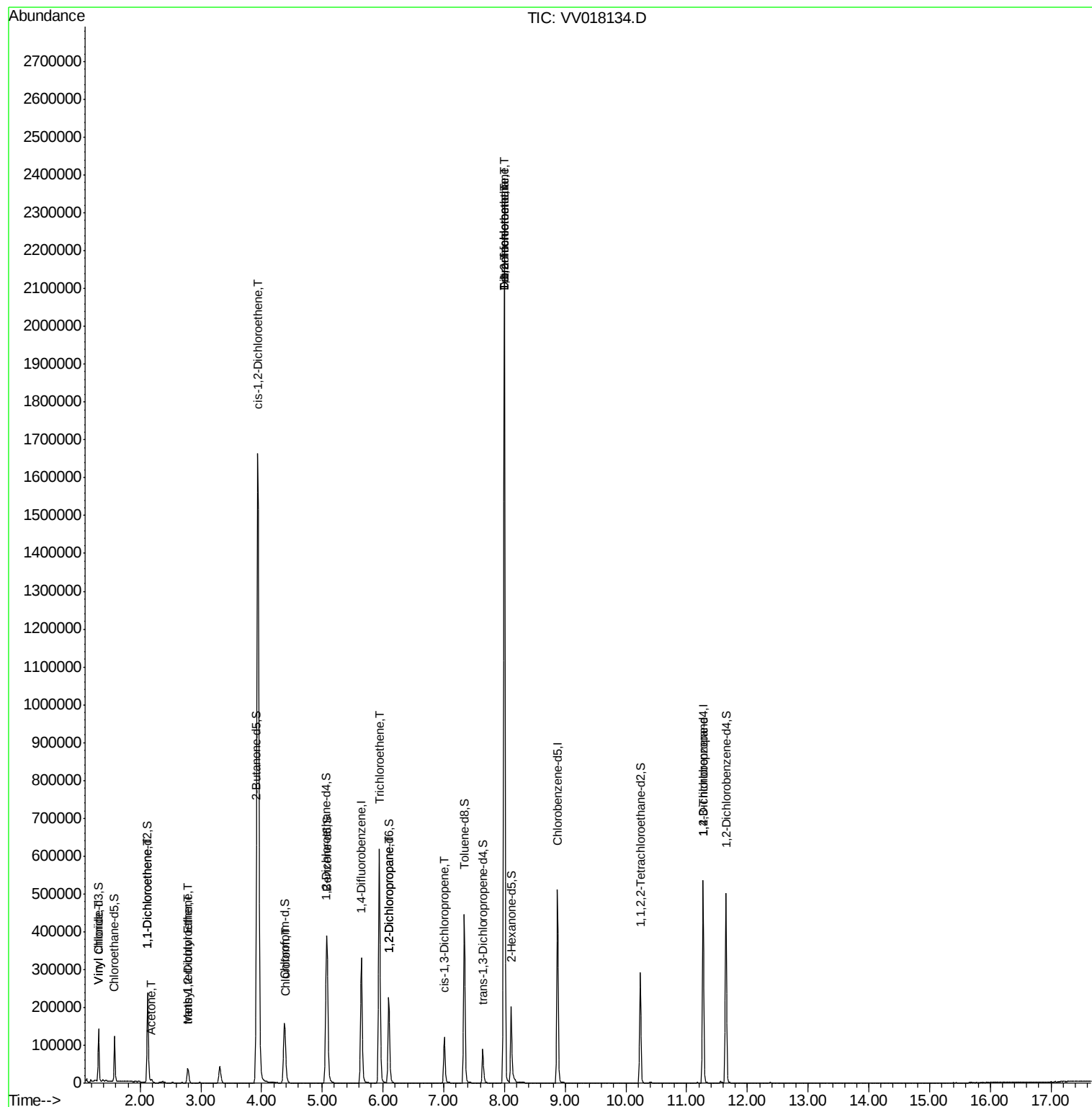
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	5834	2.363	ug/L #	28
12) 1,1-Dichloroethene	2.13	96	2933	1.573	ug/L #	1
13) Acetone	2.19	43	9261	6.456	ug/L	96
17) trans-1,2-Dichloroethene	2.78	96	2979	1.555	ug/L	95
18) Methyl tert-butyl Ether	2.79	73	29575	4.667	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	918762	436.310	ug/L	98
25) Chloroform	4.40	83	8270	2.104	ug/L	97
34) Trichloroethene	5.94	95	215428	96.099	ug/L	98
37) 1,2-Dichloropropane	6.10	63	11960	5.171	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	3067	0.935	ug/L #	65
45) 1,1,2-Trichloroethane	8.00	97	4196	1.959	ug/L #	1
46) Tetrachloroethene	8.00	164	520206	316.414	ug/L	98
49) Dibromochloromethane	8.00	129	470318	224.965	ug/L #	10
59) 1,2,3-Trichloropropane	11.27	75	15482	5.420	ug/L	91

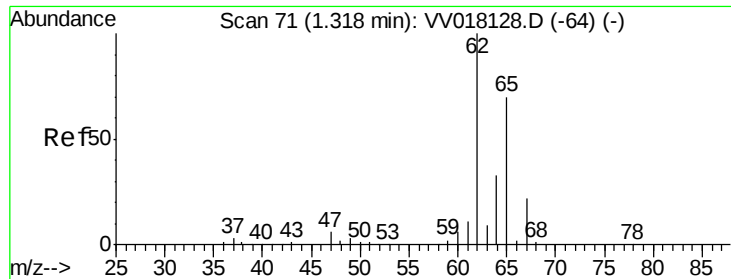
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Aug 29 00:38:30 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 2.363 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV018134.D

Acq: 28 Aug 2020 13:33

Instrument :

MSVOA_V

ClientSampleId :

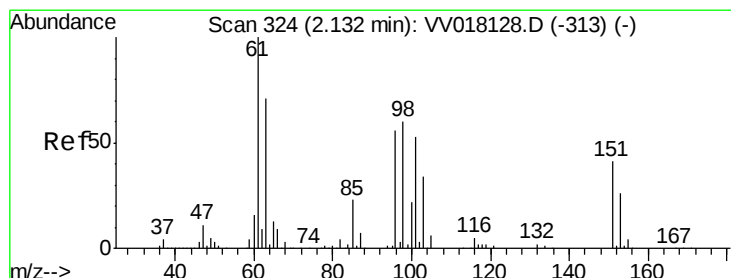
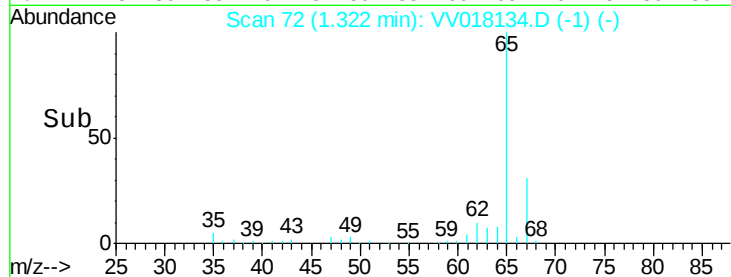
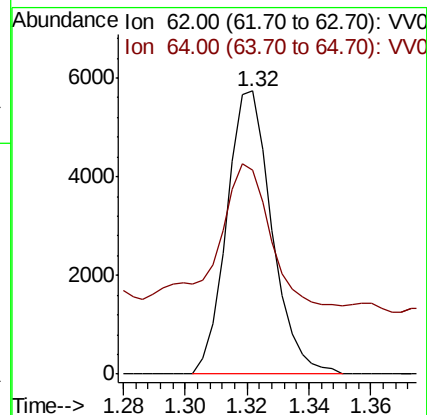
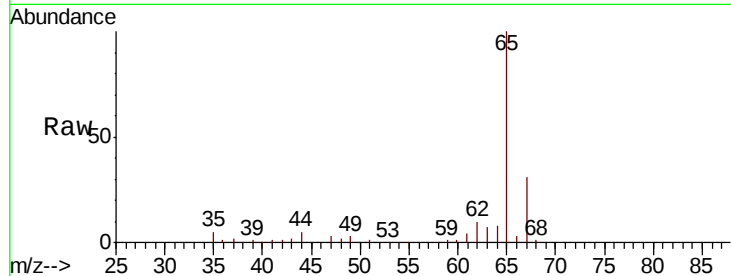
BG3G6

Tot Ion: 62 Resp: 5834

Ion Ratio Lower Upper

62 100

64 72.3 22.4 41.6#



#12

1,1-Dichloroethene

Concen: 1.573 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018134.D

Acq: 28 Aug 2020 13:33

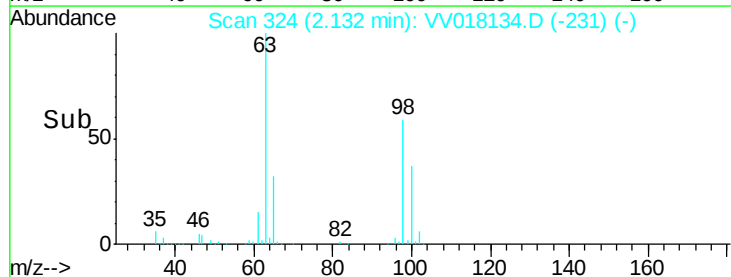
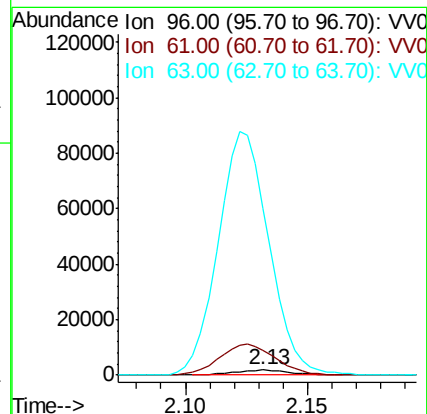
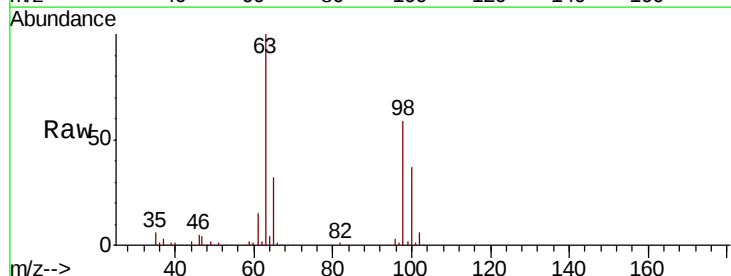
Tgt Ion: 96 Resp: 2933

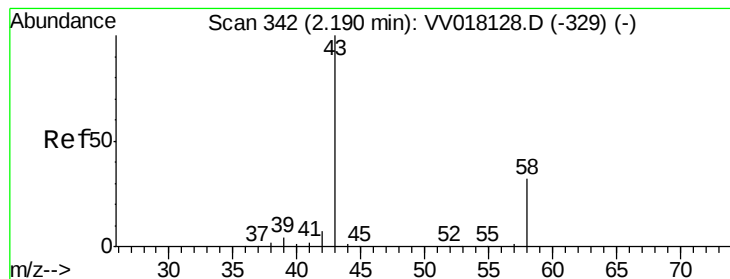
Ion Ratio Lower Upper

96 100

61 496.4 127.1 236.0#

63 3328.3 95.2 176.8#





#13

Acetone

Concen: 6.456 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV018134.D

Acq: 28 Aug 2020 13:33

Instrument :

MSVOA_V

ClientSampled :

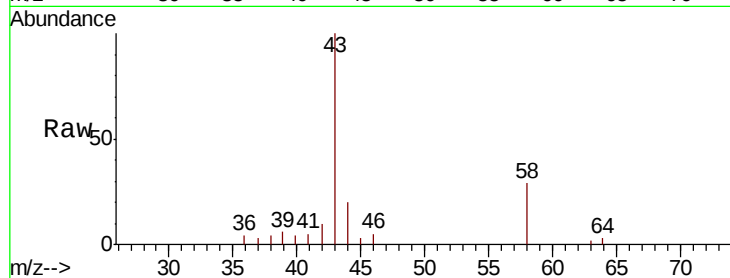
BG3G6

Tot Ion: 43 Resp: 9261

Ion Ratio Lower Upper

43 100

58 34.0 0.0 63.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

2.19

5000

4000

3000

2000

1000

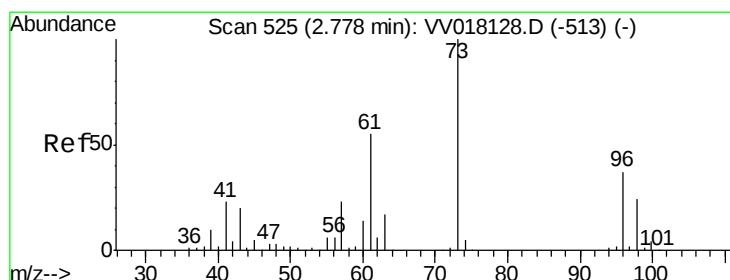
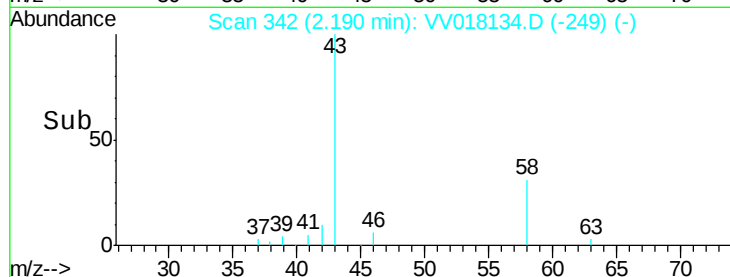
0

Time-->

2.15

2.20

2.25



#17

trans-1,2-Dichloroethene

Concen: 1.555 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.01 min

Lab File: VV018134.D

Acq: 28 Aug 2020 13:33

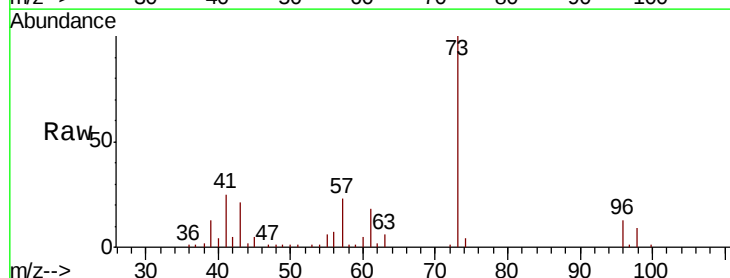
Tgt Ion: 96 Resp: 2979

Ion Ratio Lower Upper

96 100

61 142.7 102.4 190.2

98 72.0 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

3000

2500

2000

1500

1000

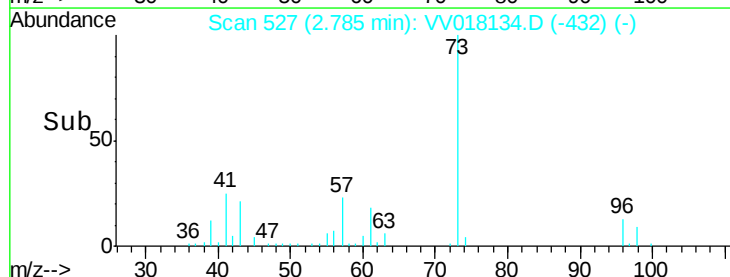
500

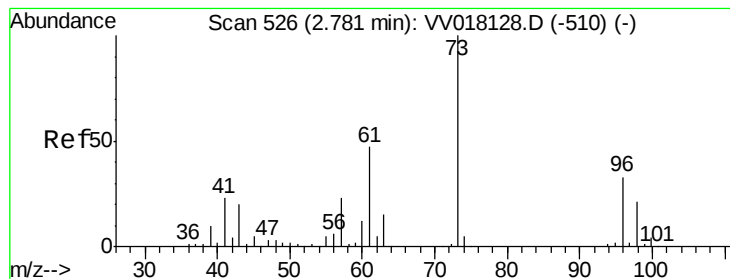
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Time-->

2.75

2.80



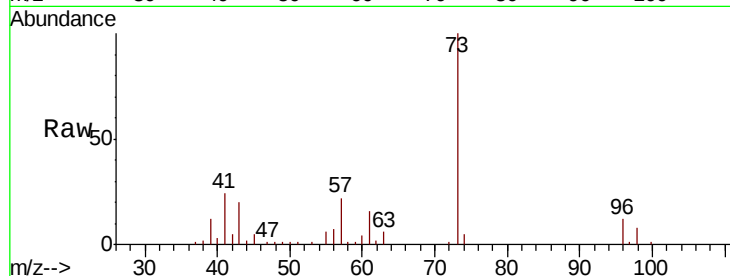


#18

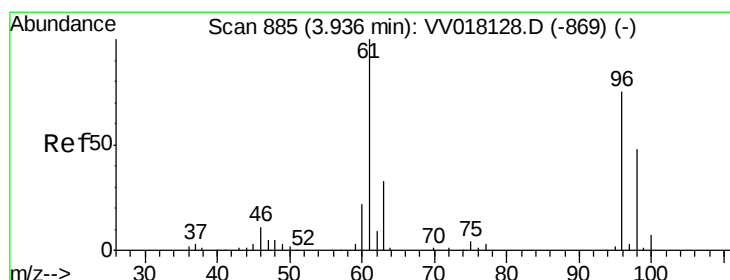
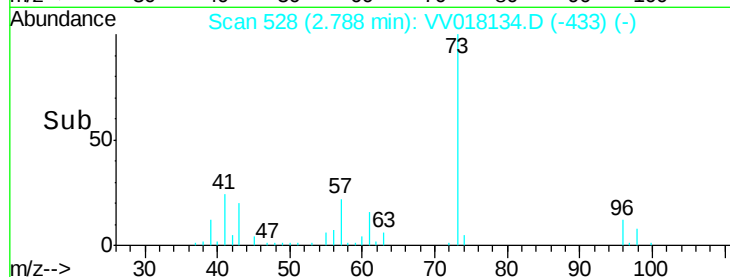
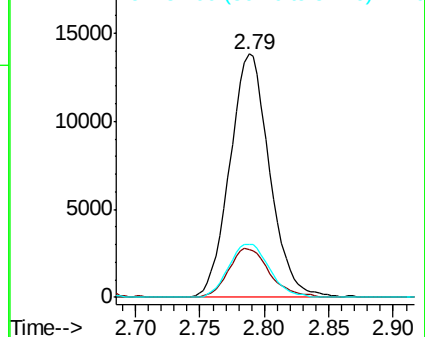
Methvl tert-butvl Ether
 Concen: 4.667 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. 0.01 min
 Lab File: VV018134.D
 Acq: 28 Aug 2020 13:33

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3G6

Tot Ion	Ratio	Lower	Upper
73	100		
43	20.6	15.9	23.9
57	22.5	18.1	27.1



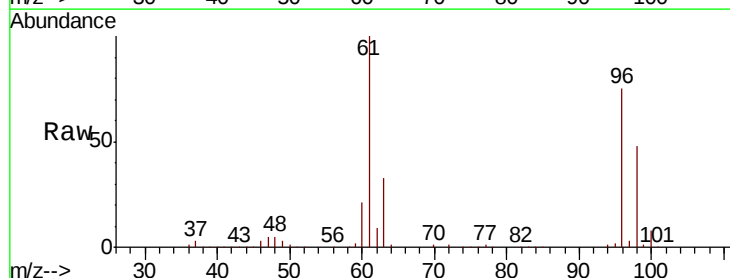
Abundance Ion 73.00 (72.70 to 73.70): VV0
 Ion 43.00 (42.70 to 43.70): VV0
 Ion 57.00 (56.70 to 57.70): VV0



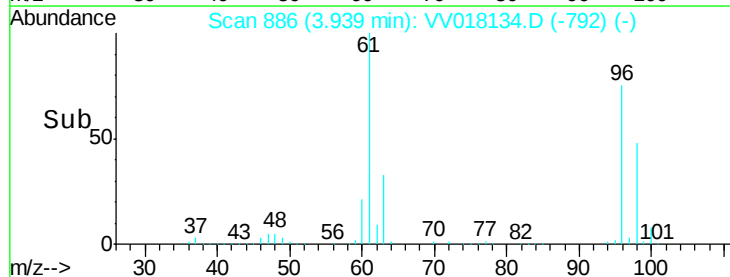
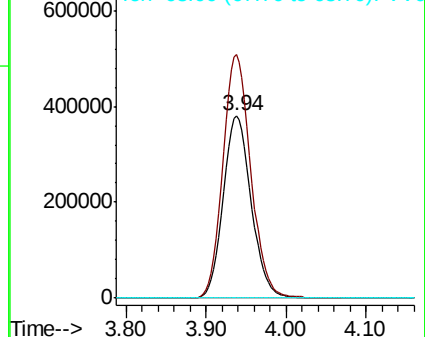
#20

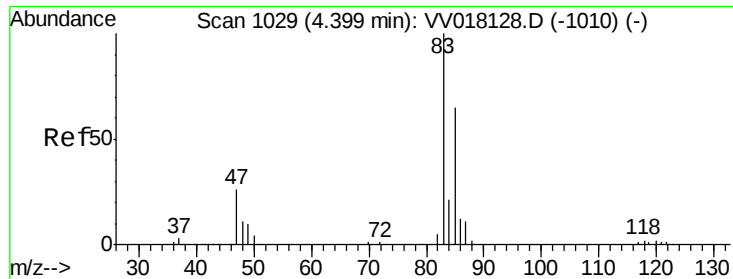
cis-1,2-Dichloroethene
 Concen: 436.310 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV018134.D
 Acq: 28 Aug 2020 13:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	133.3	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

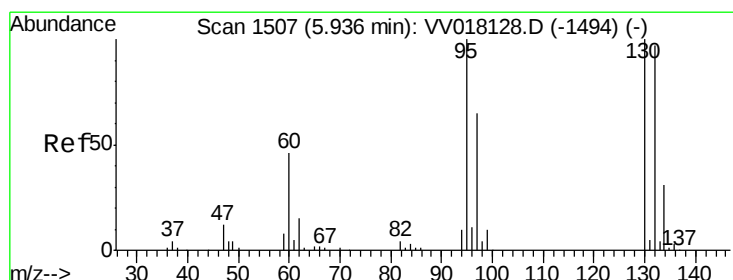
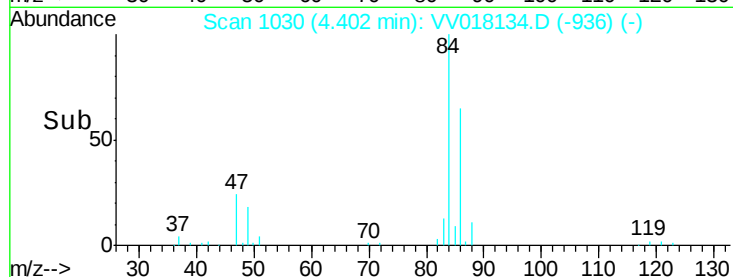
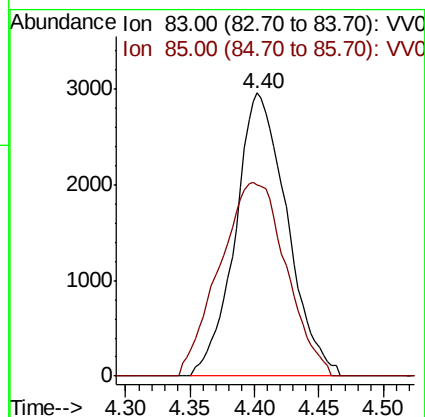
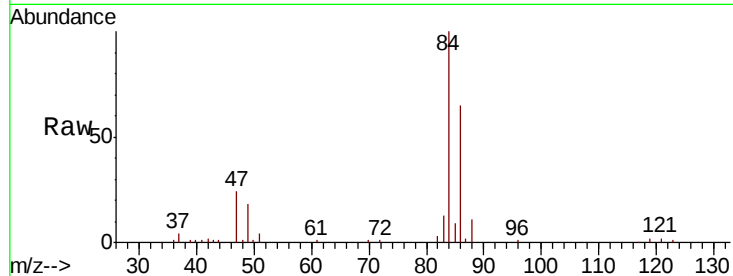




#25
Chloroform
Concen: 2.104 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV018134.D
Acq: 28 Aug 2020 13:33

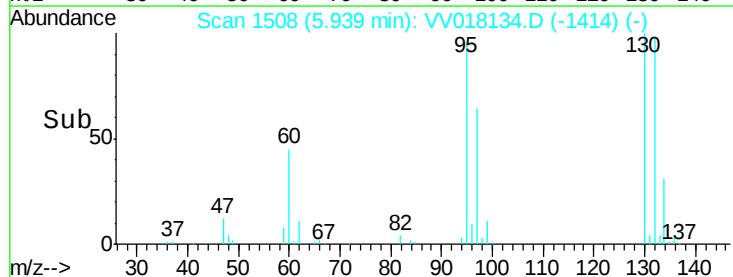
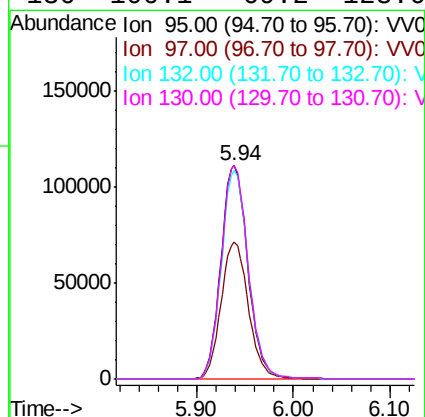
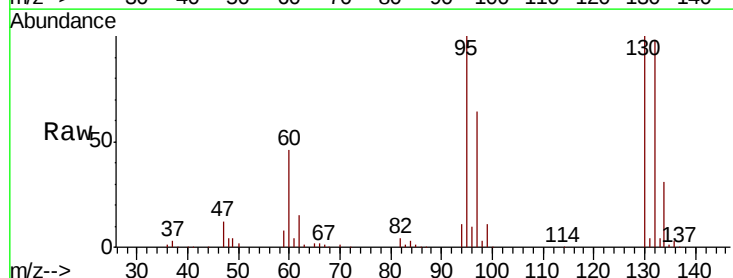
Instrument :
MSVOA_V
ClientSampleId :
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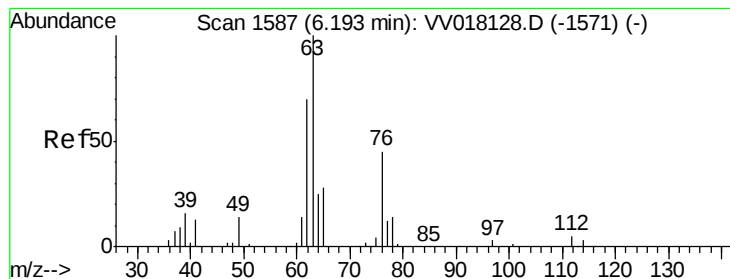
Tot Ion: 83 Resp: 8270
Ion Ratio Lower Upper
83 100
85 67.3 45.5 84.5



#34
Trichloroethene
Concen: 96.099 ug/L
RT: 5.94 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VV018134.D
Acq: 28 Aug 2020 13:33

Tgt Ion: 95 Resp: 215428
Ion Ratio Lower Upper
95 100
97 64.2 46.0 85.4
132 97.8 65.8 122.2
130 100.1 69.2 128.6





#37

1,2-Dichloropropane

Concen: 5.171 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.10 min

Lab File: VV018134.D

Acq: 28 Aug 2020 13:33

Instrument :

MSVOA_V

ClientSampleId :

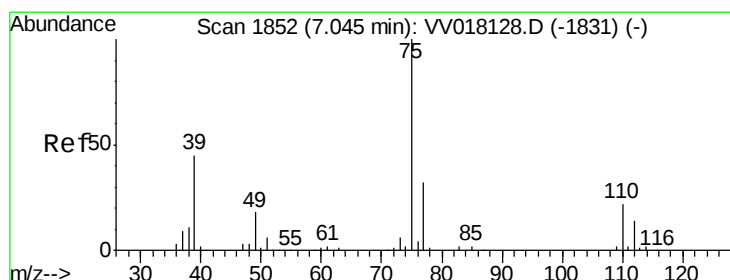
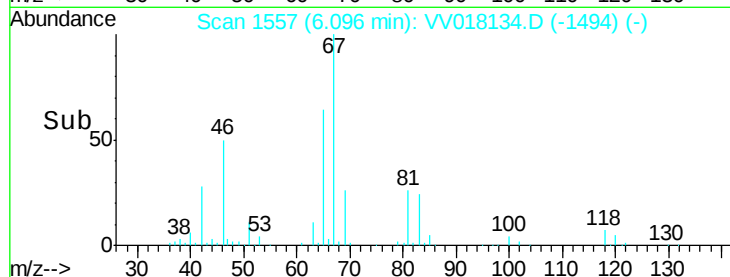
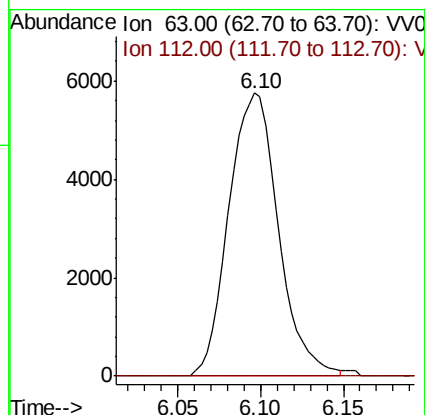
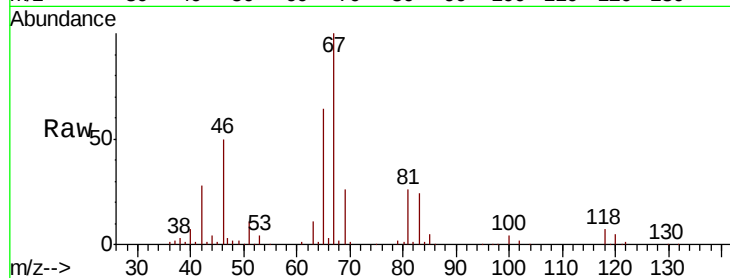
BG3G6

Tot Ion: 63 Resp: 11960

Ion Ratio Lower Upper

63 100

112 0.0 3.5 5.3#



#39

cis-1,3-Dichloropropene

Concen: 0.935 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV018134.D

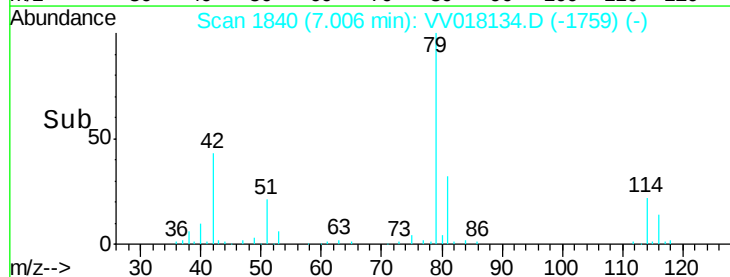
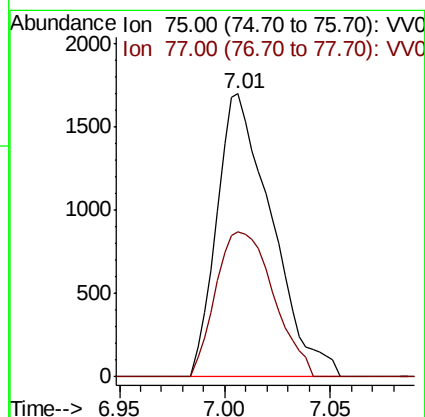
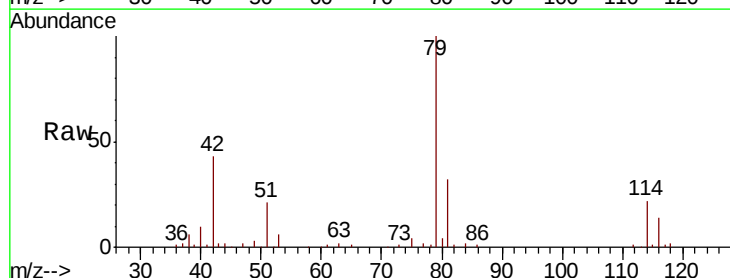
Acq: 28 Aug 2020 13:33

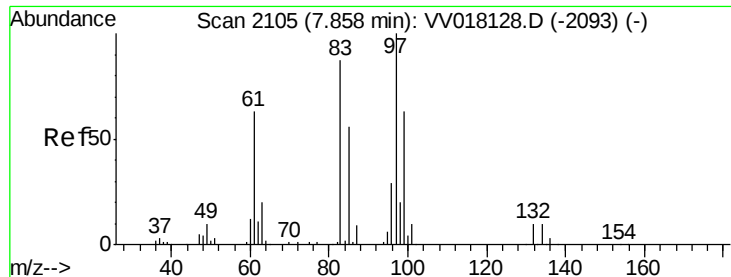
Tgt Ion: 75 Resp: 3067

Ion Ratio Lower Upper

75 100

77 51.4 22.3 41.5#

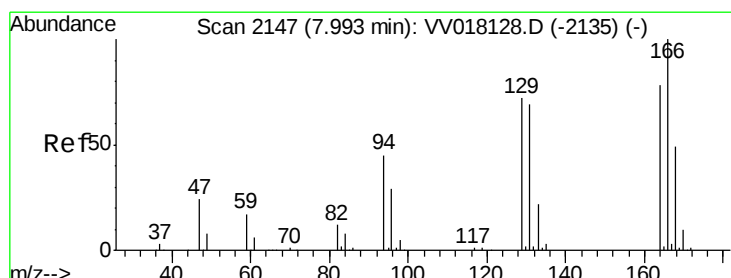
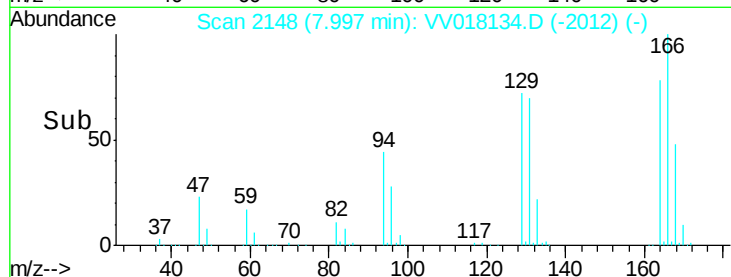
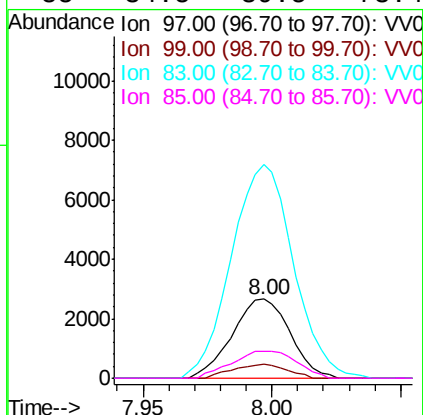
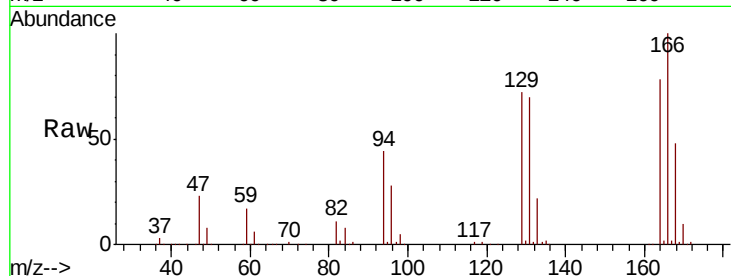




#45
1,1,2-Trichloroethane
Concen: 1.959 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.14 min
Lab File: VV018134.D
Acq: 28 Aug 2020 13:33

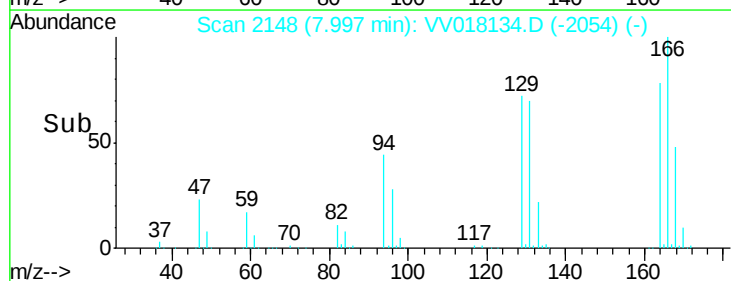
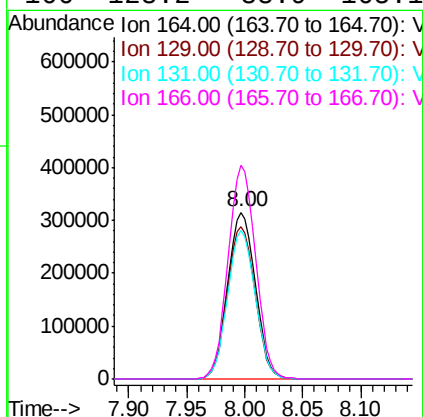
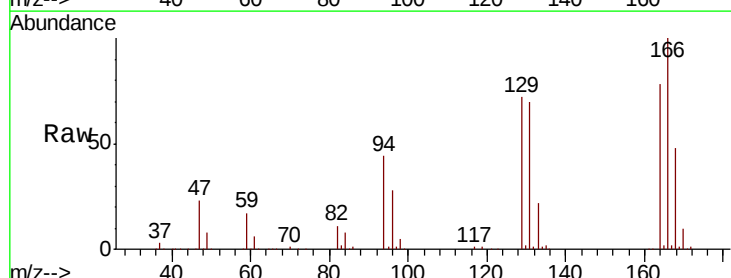
Instrument :
MSVOA_V
ClientSampleId :
BG3G6

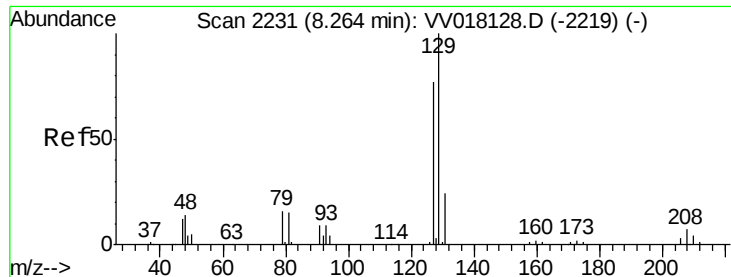
Tot Ion: 97 Resp: 4196
Ion Ratio Lower Upper
97 100
99 17.2 44.2 82.2#
83 269.6 61.0 113.4#
85 34.5 39.5 73.4#



#46
Tetrachloroethene
Concen: 316.414 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV018134.D
Acq: 28 Aug 2020 13:33

Tgt Ion: 164 Resp: 520206
Ion Ratio Lower Upper
164 100
129 91.8 64.8 120.3
131 89.1 64.5 119.9
166 128.2 88.9 165.1





#49

Dibromochloromethane

Concen: 224.965 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV018134.D

Acq: 28 Aug 2020 13:33

Instrument :

MSVOA_V

ClientSampleId :

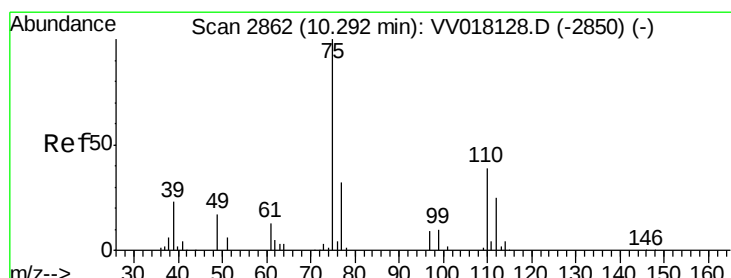
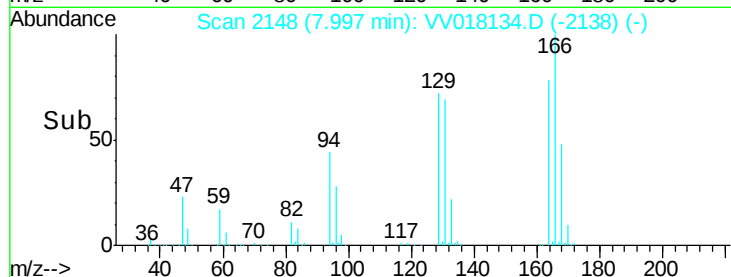
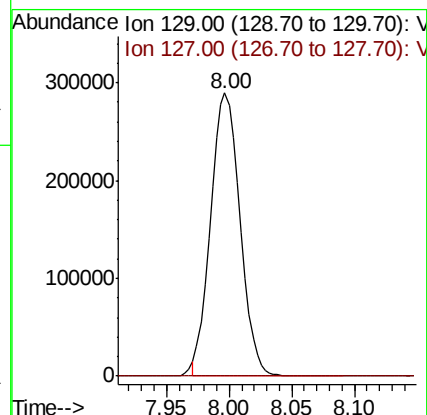
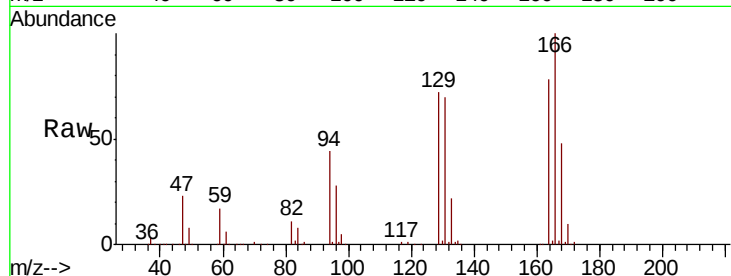
BG3G6

Tot Ion:129 Resp: 470318

Ion Ratio Lower Upper

129 100

127 0.0 54.9 101.9#



#59

1,2,3-Trichloropropane

Concen: 5.420 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018134.D

Acq: 28 Aug 2020 13:33

Tgt Ion: 75 Resp: 15482

Ion Ratio Lower Upper

75 100

77 37.1 25.7 38.5

