

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV120720\
 Data File : VV019501.D
 Acq On : 07 Dec 2020 19:44
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK77

Quant Time: Dec 08 03:06:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120720WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 08 03:05:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	301527	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	295636	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	127626	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	67847	36.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.28%
7) Chloroethane-d5	1.58	69	90961	47.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.52%
11) 1,1-Dichloroethene-d2	2.12	63	186250	42.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.76%
21) 2-Butanone-d5	3.89	46	151184	105.35	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.35%
24) Chloroform-d	4.37	84	229573	52.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.58%
26) 1,2-Dichloroethane-d4	5.05	65	162581	55.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.28%
32) Benzene-d6	5.07	84	450503	54.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.06%
36) 1,2-Dichloropropane-d6	6.09	67	153436	54.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	109.08%
41) Toluene-d8	7.33	98	374585	52.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.08%
43) trans-1,3-Dichloropropene-	7.64	79	67572	50.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.66%
47) 2-Hexanone-d5	8.10	63	77796	94.29	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.29%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	161713	48.44	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.88%
64) 1,2-Dichlorobenzene-d4	11.65	152	131143	56.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.28%

Target Compounds

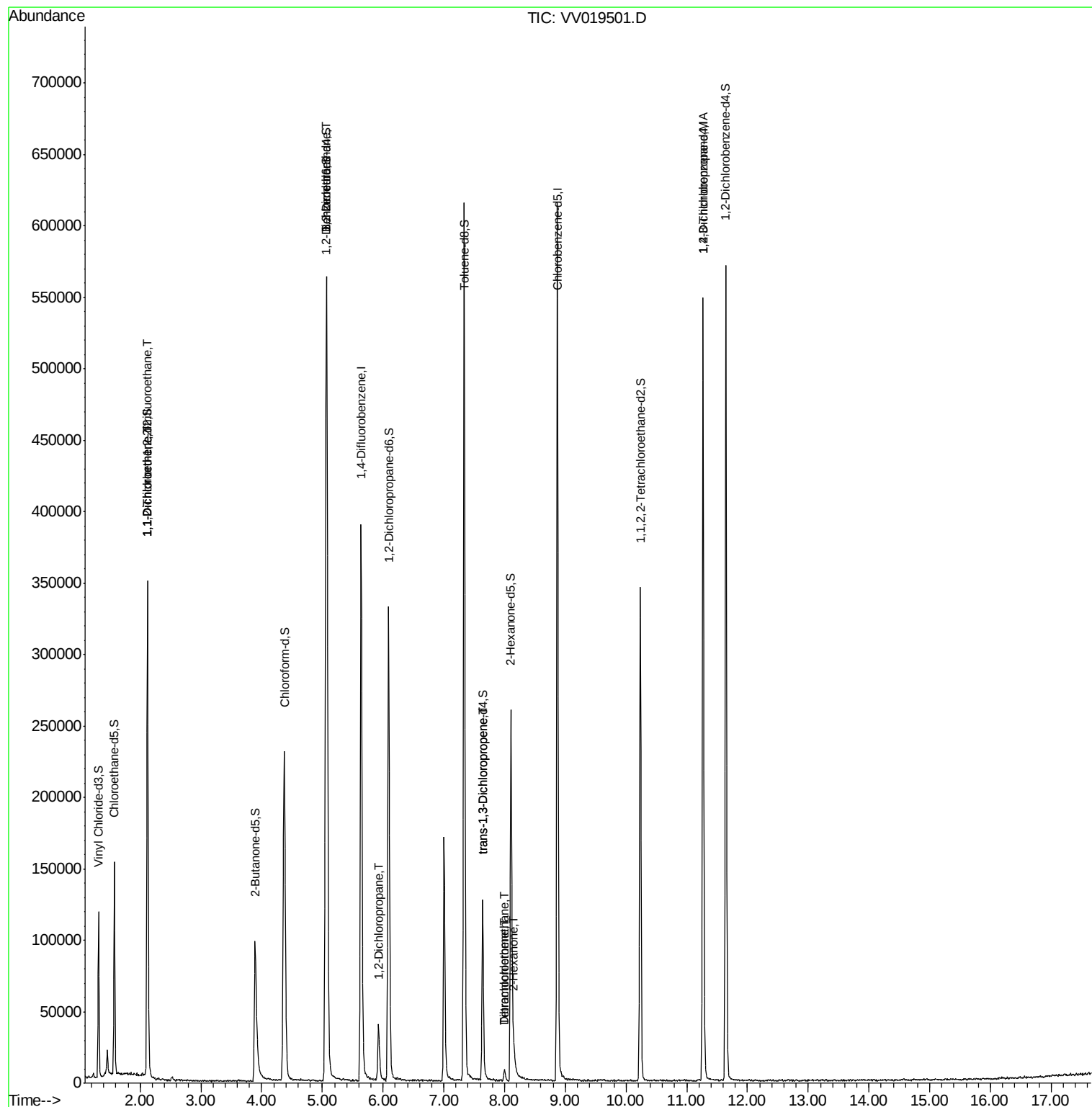
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1784	1.041	ug/L #	24
12) 1,1-Dichloroethene	2.12	96	1366	0.849	ug/L #	1
27) 1,2-Dichloroethane	5.07	62	3252	0.938	ug/L	98
37) 1,2-Dichloropropane	5.92	63	2102	0.841	ug/L	98
44) trans-1,3-Dichloropropene	7.64	75	3745	1.052	ug/L	98
46) Tetrachloroethene	8.00	164	1420	1.003	ug/L	89
48) 2-Hexanone	8.15	43	8833	2.964	ug/L #	48
49) Dibromochloromethane	8.00	129	1455	0.627	ug/L #	11
59) 1,2,3-Trichloropropane	11.27	75	19146	6.182	ug/L	89

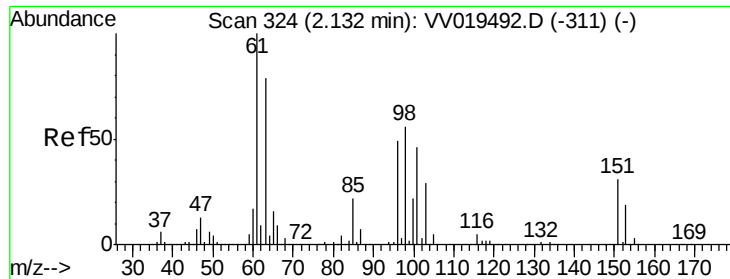
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Dec 08 03:05:02 2020
Response via : Initial Calibration





#10

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

Concen: 1.041 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV019501.D

Acq: 07 Dec 2020 19:44

Instrument :

MSVOA_V

ClientSampleId :

VIBLK77

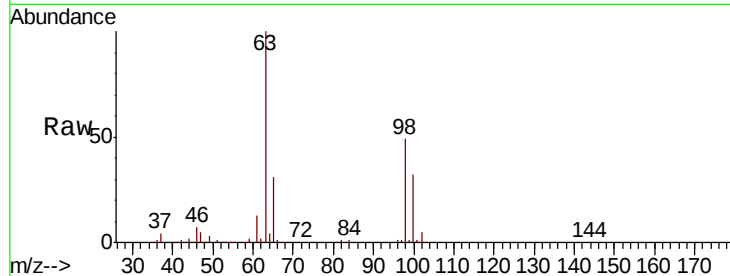
Tot Ion:101 Resp: 1784

Ion Ratio Lower Upper

101 100

85 3.8 37.3 55.9#

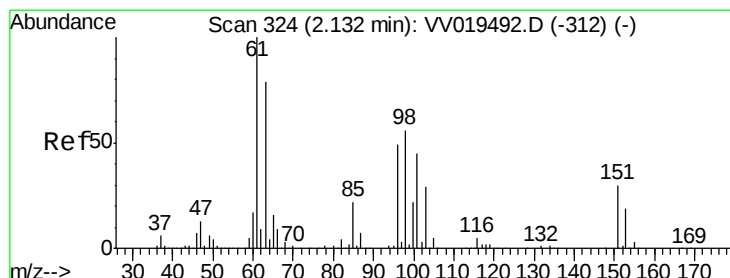
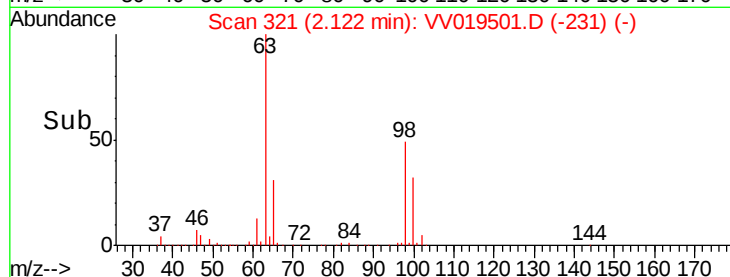
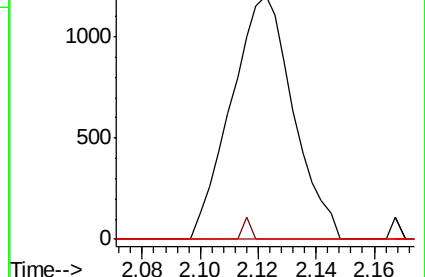
151 0.0 53.3 79.9#



Abundance Ion 101.00 (100.70 to 101.70): VV019492.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV019492.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV019492.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 0.849 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV019501.D

Acq: 07 Dec 2020 19:44

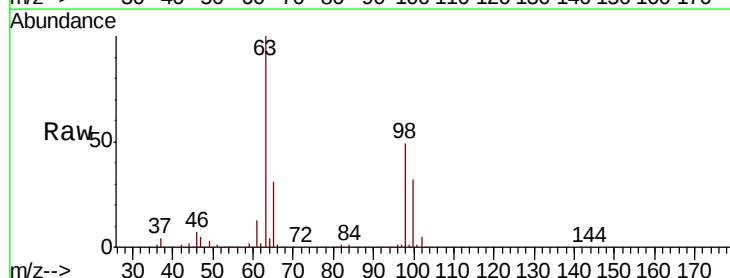
Tgt Ion: 96 Resp: 1366

Ion Ratio Lower Upper

96 100

61 1757.4 144.8 268.8#

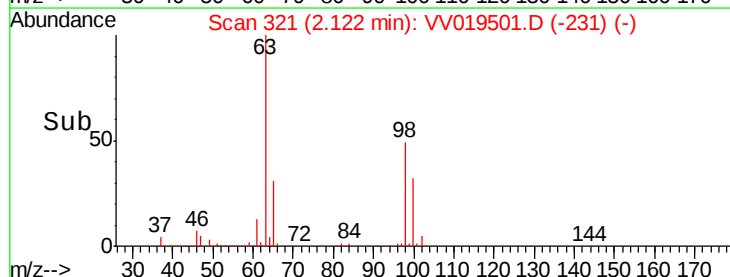
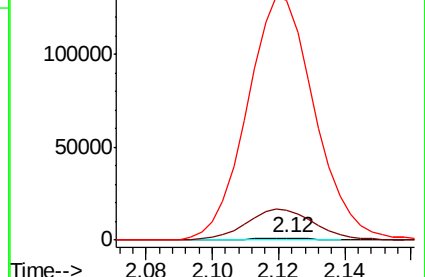
63 14012.2 110.0 204.2#

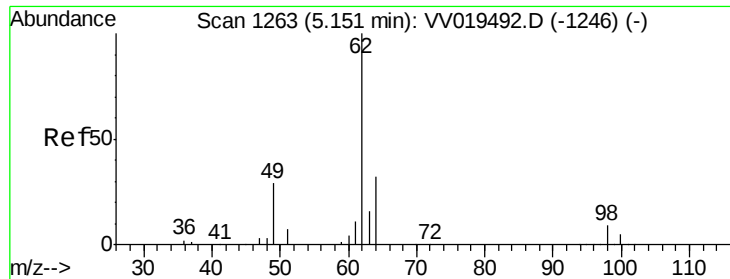


Abundance Ion 96.00 (95.70 to 96.70): VV019492.D (-312) (-)

Ion 61.00 (60.70 to 61.70): VV019492.D (-312) (-)

Ion 63.00 (62.70 to 63.70): VV019492.D (-312) (-)

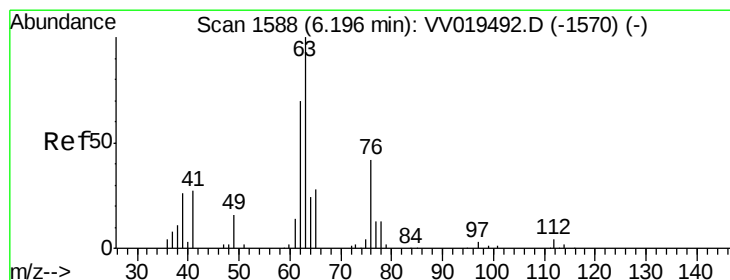
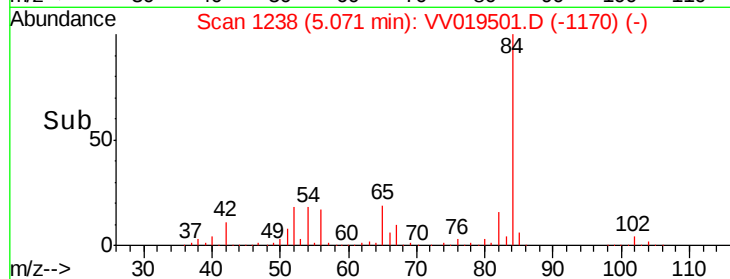
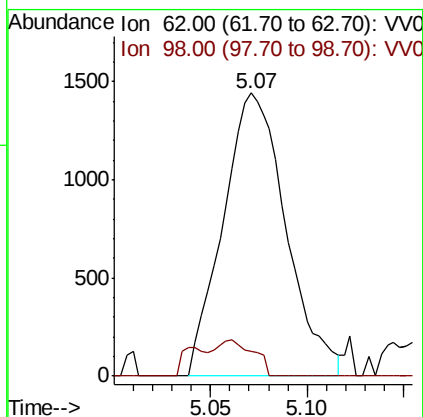
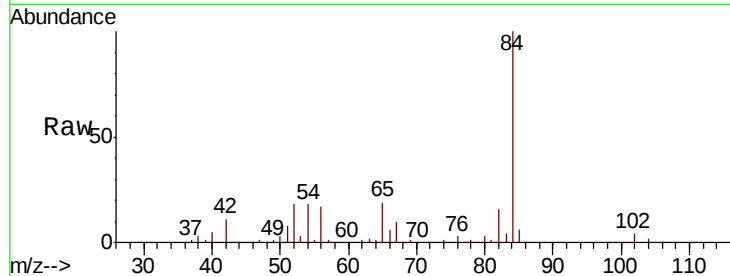




#27
 1,2-Dichloroethane
 Concen: 0.938 ug/L
 RT: 5.07 min Scan# 1238
 Delta R.T. -0.08 min
 Lab File: VV019501.D
 Acq: 07 Dec 2020 19:44

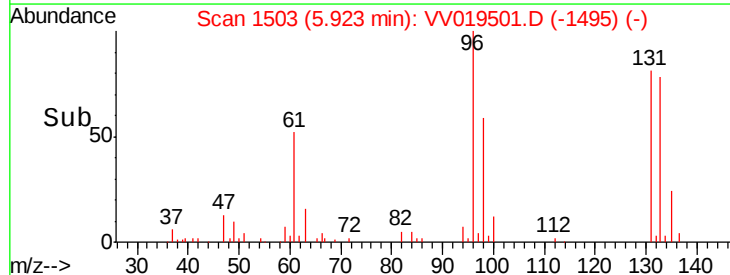
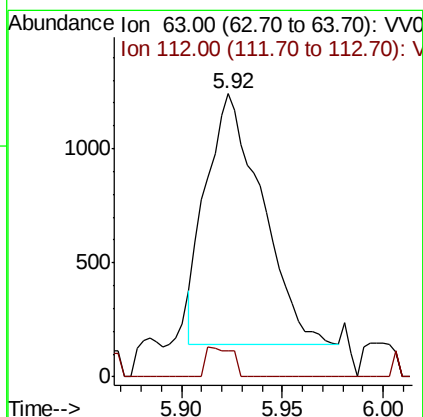
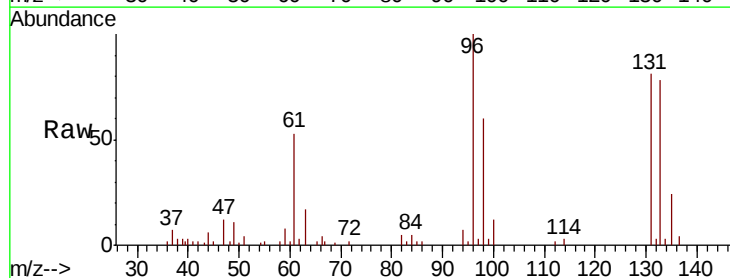
Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK77

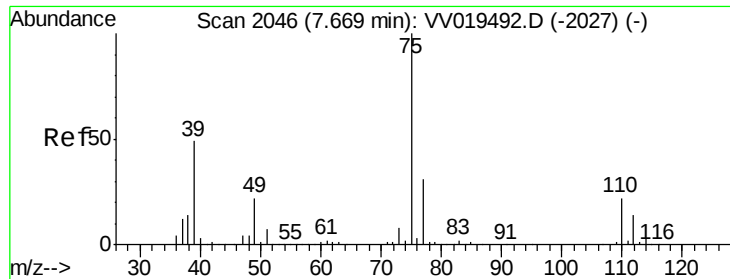
Tot Ion: 62 Resp: 3252
 Ion Ratio Lower Upper
 62 100
 98 8.6 6.4 9.6



#37
 1,2-Dichloropropane
 Concen: 0.841 ug/L
 RT: 5.92 min Scan# 1503
 Delta R.T. -0.27 min
 Lab File: VV019501.D
 Acq: 07 Dec 2020 19:44

Tgt Ion: 63 Resp: 2102
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.1 4.7





#44

trans-1,3-Dichloropropene

Concen: 1.052 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. -0.03 min

Lab File: VV019501.D

Acq: 07 Dec 2020 19:44

Instrument :

MSVOA_V

ClientSampleId :

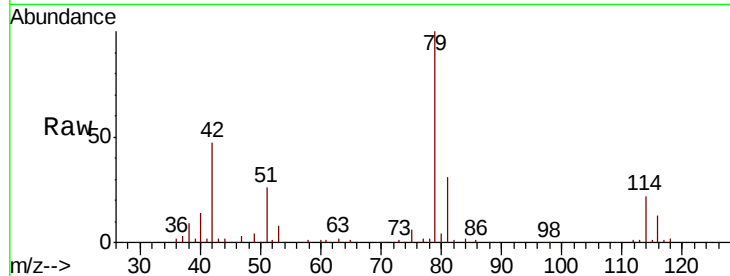
VIBLK77

Tot Ion: 75 Resp: 3745

Ion Ratio Lower Upper

75 100

77 33.5 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VV019492.D (-2027) (-)

Ion 77.00 (76.70 to 77.70): VV019492.D (-2027) (-)

7.64

2500

2000

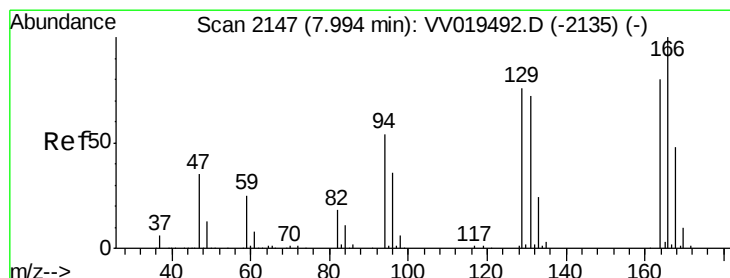
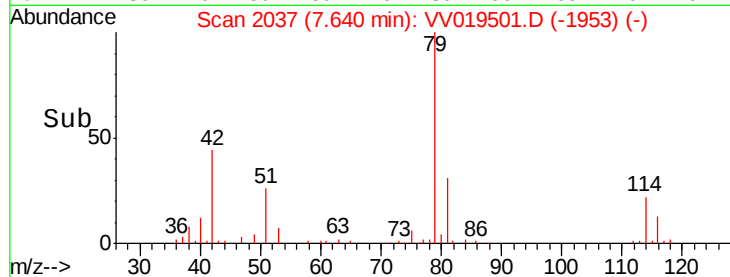
1500

1000

500

0

Time-->



#46

Tetrachloroethene

Concen: 1.003 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV019501.D

Acq: 07 Dec 2020 19:44

Tgt Ion: 164 Resp: 1420

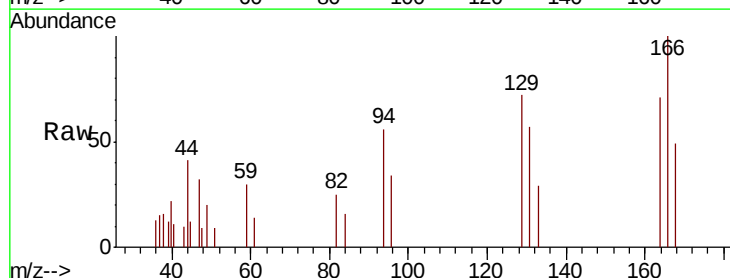
Ion Ratio Lower Upper

164 100

129 100.6 68.4 127.0

131 80.5 65.6 121.8

166 140.5 86.4 160.4



Abundance Ion 164.00 (163.70 to 164.70): VV019492.D (-2135) (-)

Ion 129.00 (128.70 to 129.70): VV019492.D (-2135) (-)

Ion 131.00 (130.70 to 131.70): VV019492.D (-2135) (-)

Ion 166.00 (165.70 to 166.70): VV019492.D (-2135) (-)

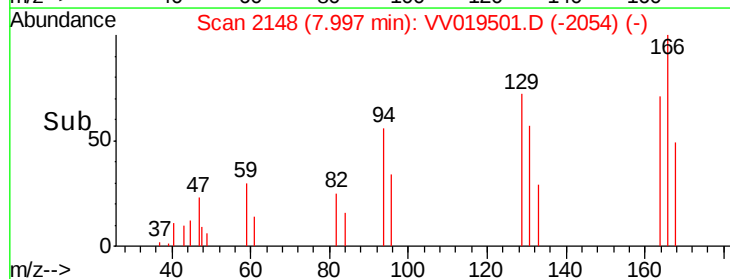
1500

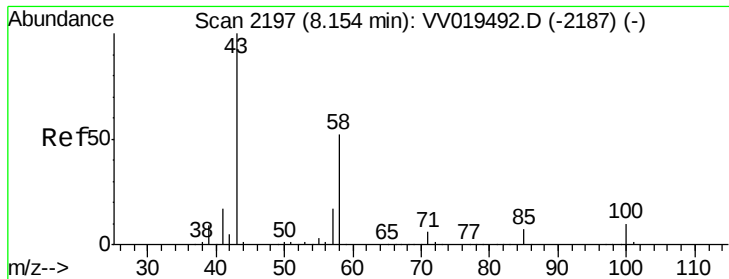
1000

500

0

Time-->

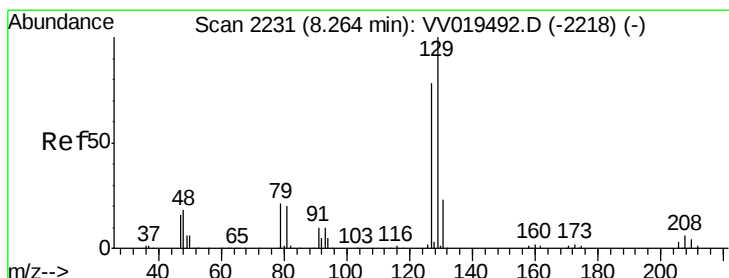
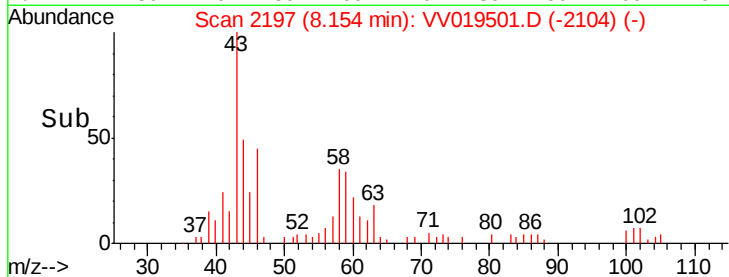
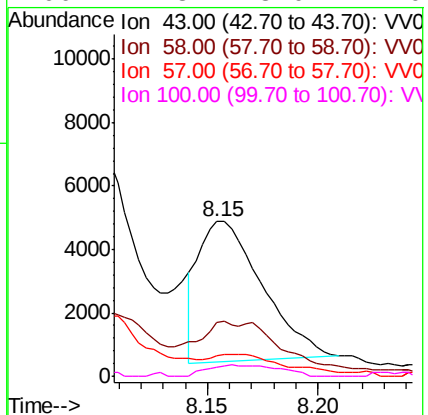
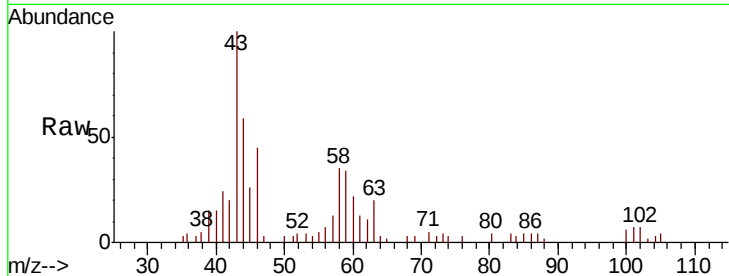




#48
2-Hexanone
Concen: 2.964 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VV019501.D
Acq: 07 Dec 2020 19:44

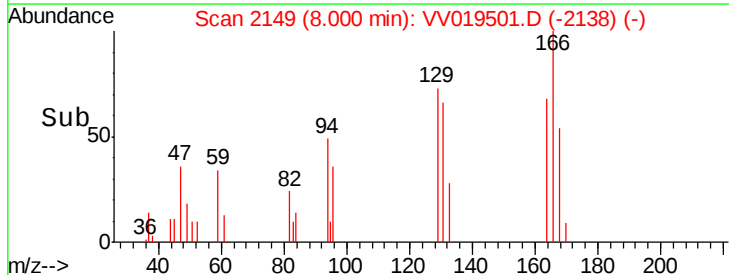
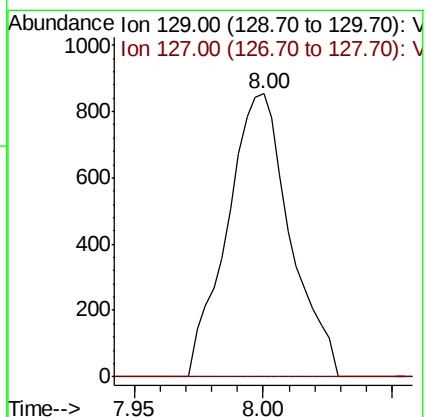
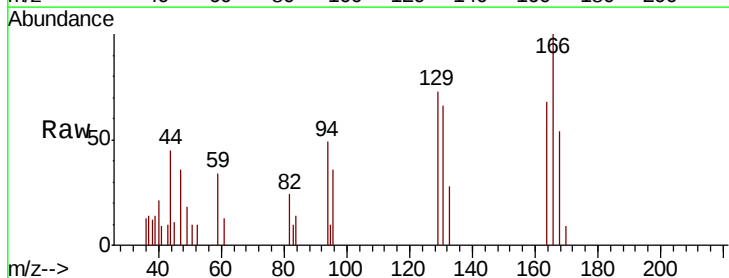
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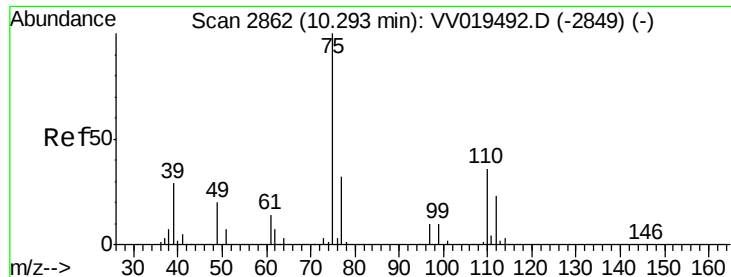
Tot Ion:	43	Resp:	8833
Ion	Ratio	Lower	Upper
43	100		
58	5.9	41.0	61.6#
57	1.6	14.2	21.2#
100	4.8	8.0	12.0#



#49
Dibromochloromethane
Concen: 0.627 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. -0.26 min
Lab File: VV019501.D
Acq: 07 Dec 2020 19:44

Tgt Ion:	129	Resp:	1455
Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.3	100.9#





#59

1,2,3-Trichloropropane

Concen: 6.182 ug/L

RT: 11.27 min Scan# 3165

Delta R.T. 0.97 min

Lab File: VV019501.D

Acq: 07 Dec 2020 19:44

Instrument :

MSVOA_V

ClientSampleId :

VIBLK77

Tot Ion: 75 Resp: 19146

Ion Ratio Lower Upper

75 100

77 37.8 25.5 38.3

