

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW042823\
 Data File : VW030931.D
 Acq On : 28 Apr 2023 19:22
 Operator : SY/MD
 Sample : 02488-20DL 10X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHE75DL

Quant Time: Apr 29 01:12:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR042823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Apr 29 01:06:38 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	121749	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	119604	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	60260	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	45943	4.580	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.600%
7) Chloroethane-d5	1.539	69	39438	4.820	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.400%
11) 1,1-Dichloroethene-d2	2.063	65	23083	4.348	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.000%
20) 2-Butanone-d5	3.818	46	77250	43.429	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.860%
24) Chloroform-d	4.262	84	95680	4.800	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.000%
26) 1,2-Dichloroethane-d4	4.956	65	50342	4.967	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.400%
32) Benzene-d6	4.969	84	166269	4.743	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.800%
36) 1,2-Dichloropropane-d6	5.998	67	48179	4.726	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.600%
41) Toluene-d8	7.252	98	139533	4.179	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.600%
43) trans-1,3-Dichloroprop...	7.564	79	17522	4.585	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.800%
46) 2-Hexanone-d5	8.037	63	61653	46.049	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.100%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	34605	4.683	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.600%
66) 1,2-Dichlorobenzene-d4	11.570	152	55911	4.977	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.600%
Target Compounds						Qvalue
3) Chloromethane	1.217	50	942	0.083	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	4802	0.540	ug/L	90
12) 1,1-Dichloroethene	2.076	96	96624	11.793	ug/L #	70
16) Methylene chloride	2.458	84	4883	0.527	ug/L	93
19) 1,1-Dichloroethane	3.120	63	18685	1.293	ug/L	94
22) cis-1,2-Dichloroethene	3.828	96	3513	0.445	ug/L	96
29) 1,1,1-Trichloroethane	4.522	97	40584	2.700	ug/L	97
31) Carbon tetrachloride	4.741	117	3368	0.249	ug/L	98
34) Trichloroethene	5.844	95	2965	0.370	ug/L	95
35) Methylcyclohexane	5.995	83	12986	1.045	ug/L #	19
37) 1,2-Dichloropropane	5.998	63	7319	1.026	ug/L #	86
39) cis-1,3-Dichloropropene	6.921	75	1881	0.176	ug/L	86
44) trans-1,3-Dichloropropene	7.567	75	1150	0.126	ug/L	85
47) Tetrachloroethene	7.911	164	64320	8.407	ug/L	97
49) Dibromochloromethane	7.911	129	50725	7.615	ug/L #	10
61) 1,2,3-Trichloropropane	11.197	75	6120	1.617	ug/L #	54

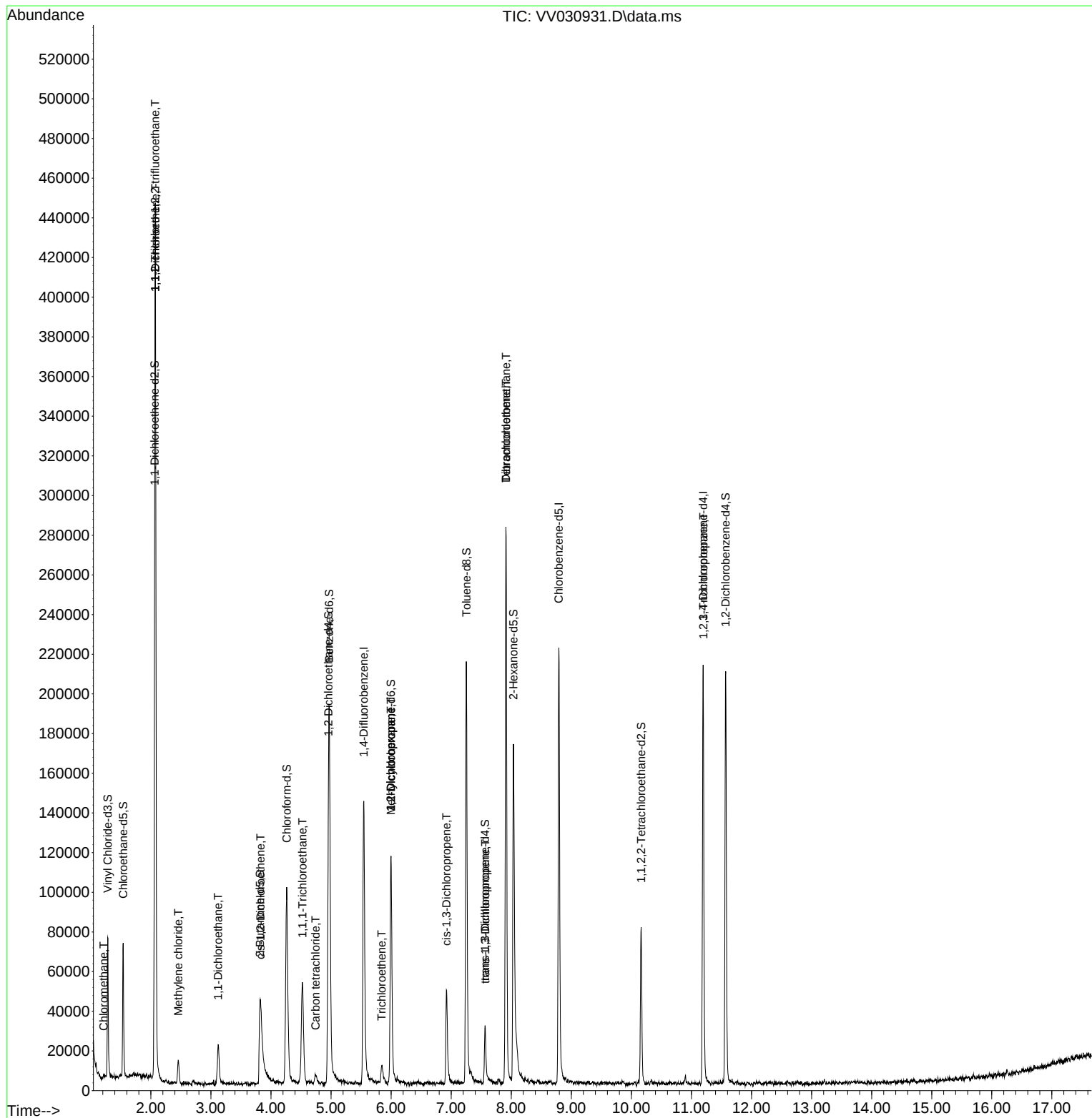
(#) = qualifier out of range (m) = manual integration (+) = signals summed

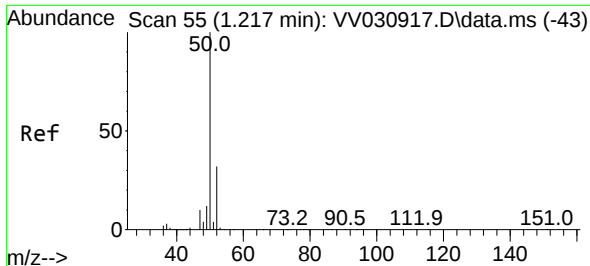
Instrument :
MSVOA_V
ClientSampleId :
BHE75DL

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV042823\
Data File : VV030931.D
Acq On : 28 Apr 2023 19:22
Operator : SY/MD
Sample : 02488-20DL 10X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHE75DL

Quant Time: Apr 29 01:12:44 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR042823WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Apr 29 01:06:38 2023
Response via : Initial Calibration

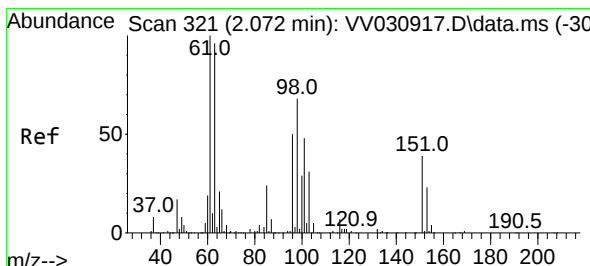
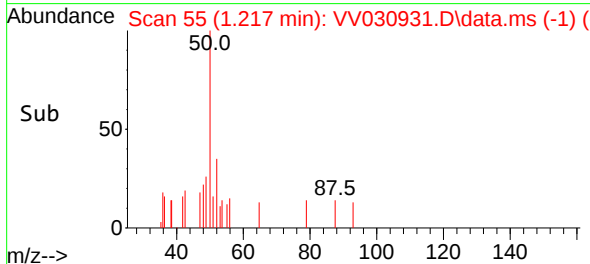
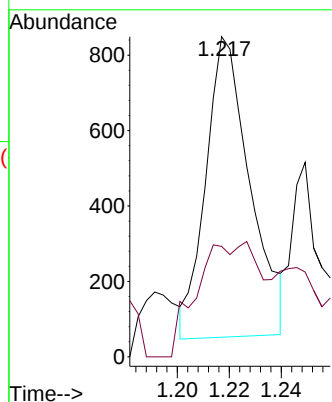
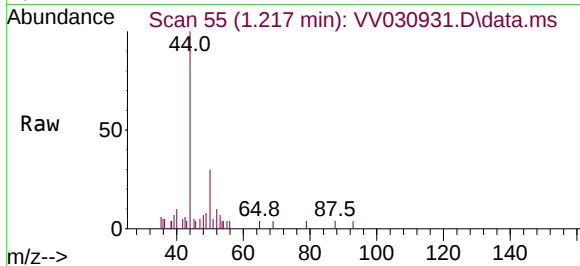




#3
Chloromethane
Concen: 0.083 ug/L
RT: 1.217 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV030931.D
Acq: 28 Apr 2023 19:22

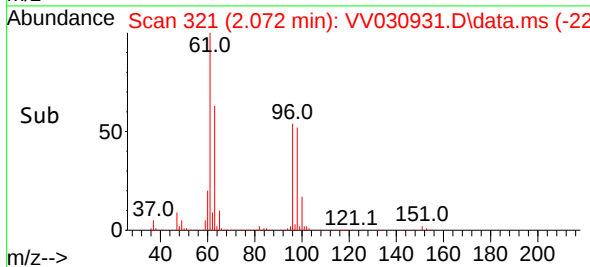
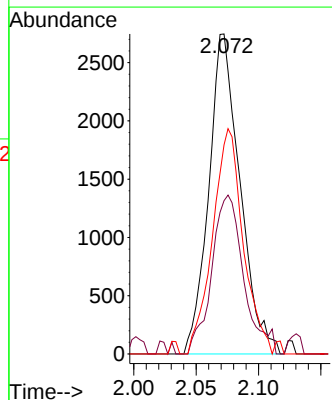
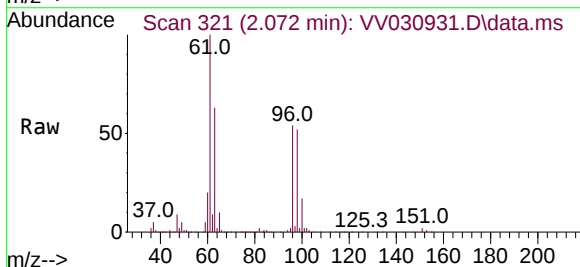
Instrument :
MSVOA_V
ClientSampleId :
BHE75DL

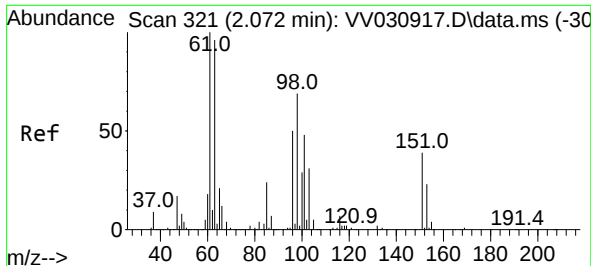
Tgt Ion: 50 Resp: 942
Ion Ratio Lower Upper
50 100
52 34.5 22.8 42.4



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.540 ug/L
RT: 2.072 min Scan# 321
Delta R.T. -0.000 min
Lab File: VV030931.D
Acq: 28 Apr 2023 19:22

Tgt Ion: 101 Resp: 4802
Ion Ratio Lower Upper
101 100
85 50.7 38.7 58.1
151 68.6 65.1 97.7

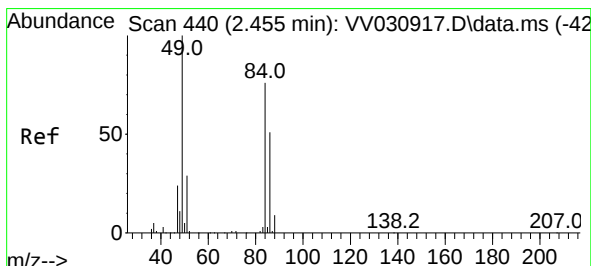
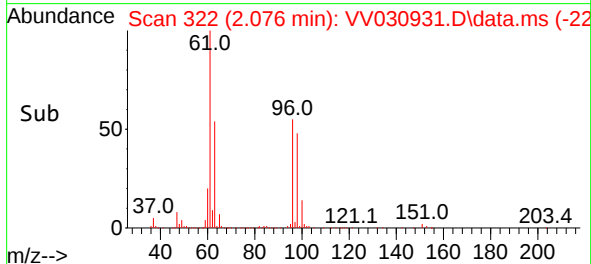
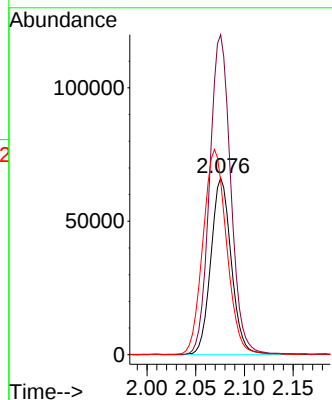
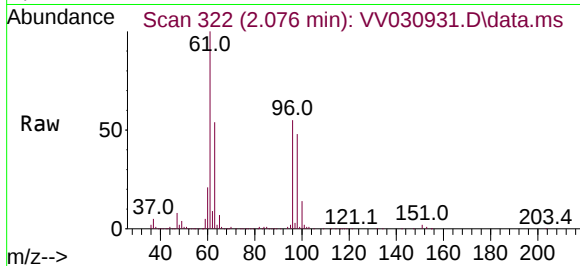




#12
1,1-Dichloroethene
Concen: 11.793 ug/L
RT: 2.076 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV030931.D
Acq: 28 Apr 2023 19:22

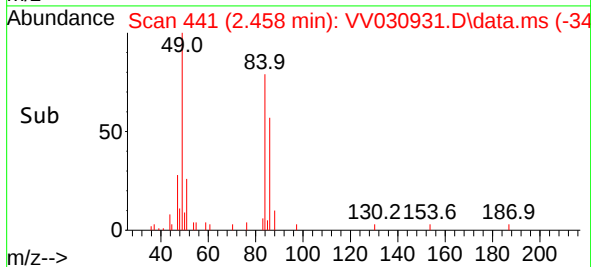
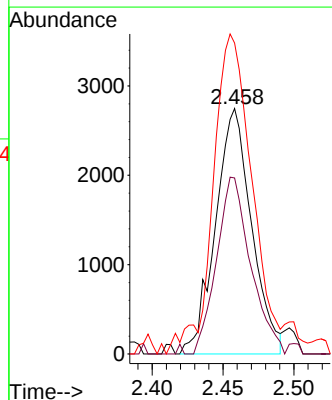
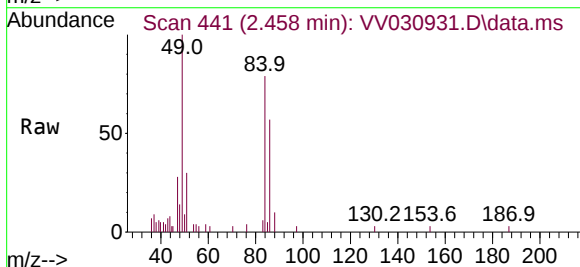
Instrument :
MSVOA_V
ClientSampleId :
BHE75DL

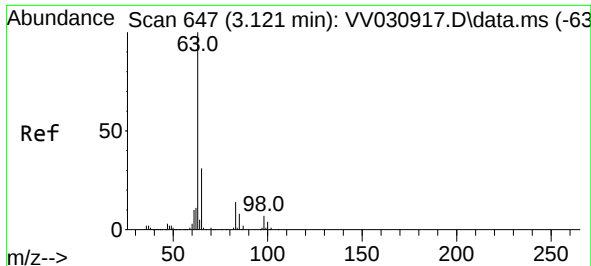
Tgt Ion: 96 Resp: 96624
Ion Ratio Lower Upper
96 100
61 180.9 135.6 251.8
63 98.1 121.1 224.9#



#16
Methylene chloride
Concen: 0.527 ug/L
RT: 2.458 min Scan# 441
Delta R.T. 0.003 min
Lab File: VV030931.D
Acq: 28 Apr 2023 19:22

Tgt Ion: 84 Resp: 4883
Ion Ratio Lower Upper
84 100
86 71.7 46.1 85.5
49 126.7 94.3 175.1





#19

1,1-Dichloroethane

Concen: 1.293 ug/L

RT: 3.120 min Scan# 647

Delta R.T. -0.000 min

Lab File: VV030931.D

Acq: 28 Apr 2023 19:22

Instrument :

MSVOA_V

ClientSampleId :

BHE75DL

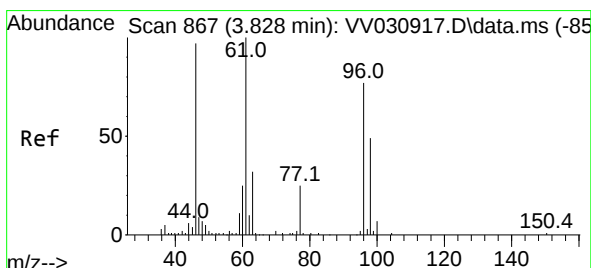
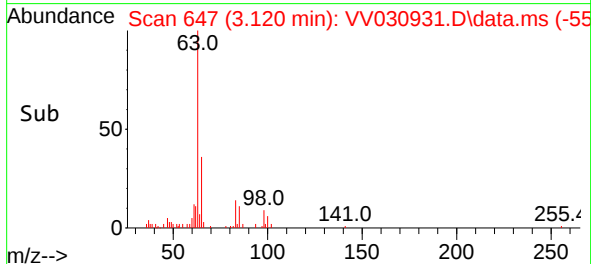
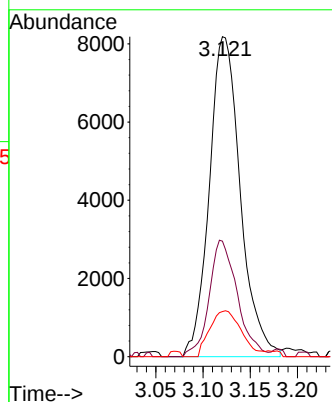
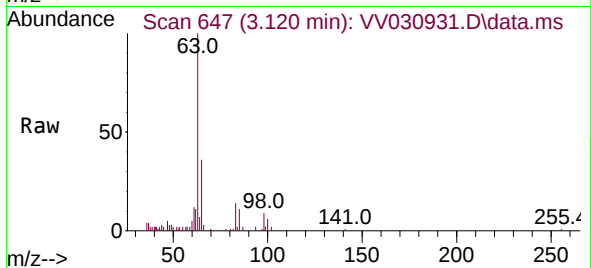
Tgt Ion: 63 Resp: 18685

Ion Ratio Lower Upper

63 100

65 36.1 21.8 40.6

83 14.1 10.2 19.0



#22

cis-1,2-Dichloroethene

Concen: 0.445 ug/L

RT: 3.828 min Scan# 867

Delta R.T. -0.000 min

Lab File: VV030931.D

Acq: 28 Apr 2023 19:22

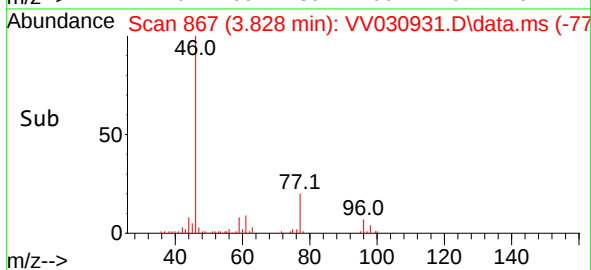
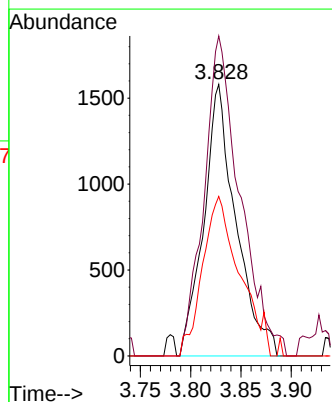
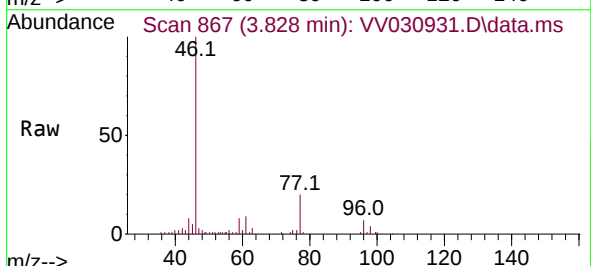
Tgt Ion: 96 Resp: 3513

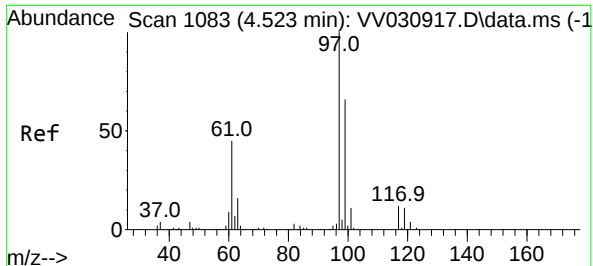
Ion Ratio Lower Upper

96 100

61 117.8 86.0 159.6

98 58.7 43.2 80.2





#29

1,1,1-Trichloroethane

Concen: 2.700 ug/L

RT: 4.522 min Scan# 1108

Delta R.T. -0.000 min

Lab File: VV030931.D

Acq: 28 Apr 2023 19:22

Instrument :

MSVOA_V

ClientSampleId :

BHE75DL

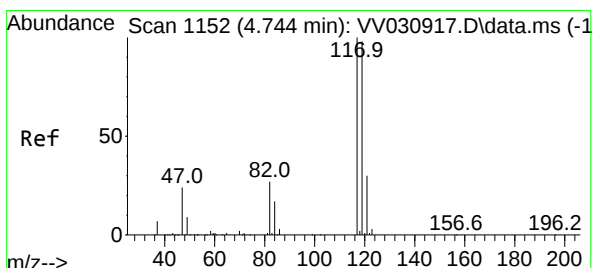
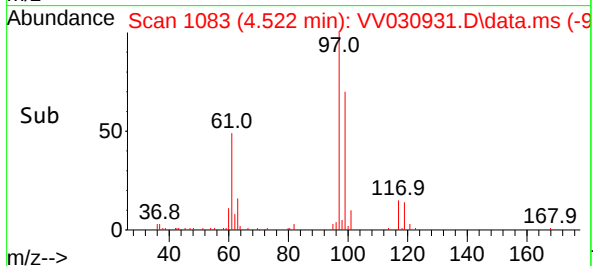
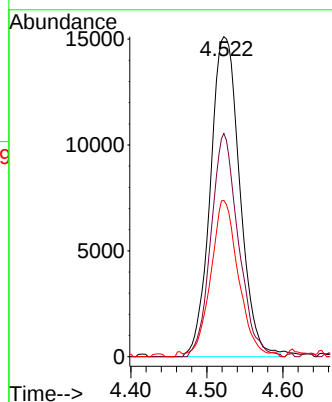
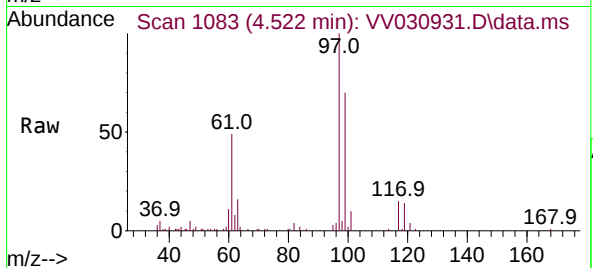
Tgt Ion: 97 Resp: 40584

Ion Ratio Lower Upper

97 100

99 65.1 51.4 77.2

61 43.2 37.4 56.0



#31

Carbon tetrachloride

Concen: 0.249 ug/L

RT: 4.741 min Scan# 1151

Delta R.T. -0.003 min

Lab File: VV030931.D

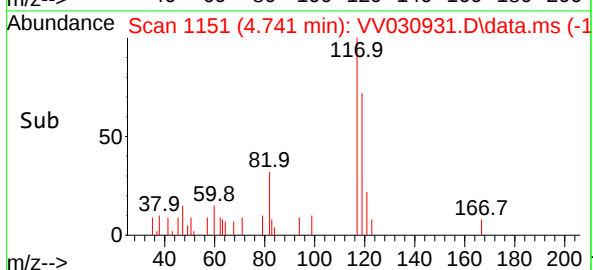
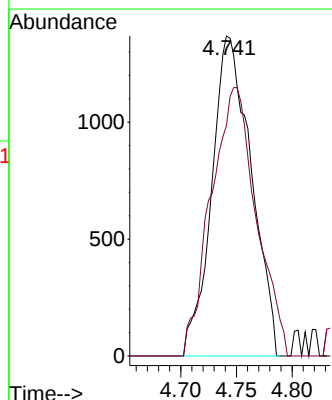
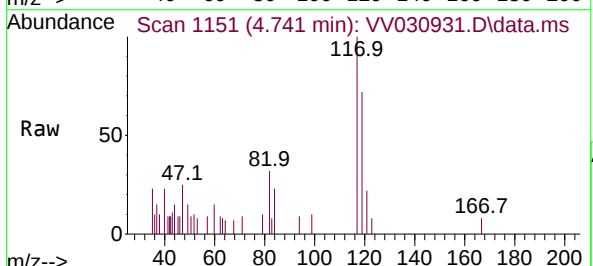
Acq: 28 Apr 2023 19:22

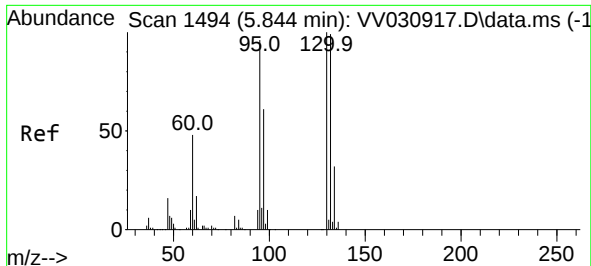
Tgt Ion: 117 Resp: 3368

Ion Ratio Lower Upper

117 100

119 96.1 78.4 117.6

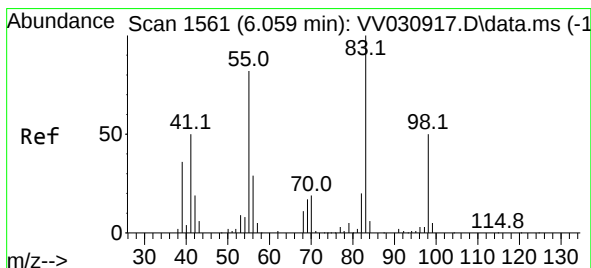
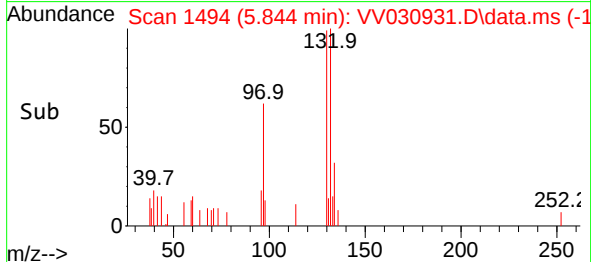
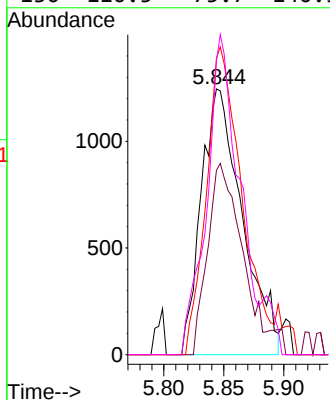
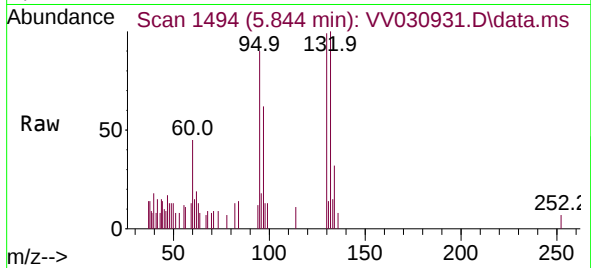




#34
Trichloroethene
Concen: 0.370 ug/L
RT: 5.844 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VV030931.D
Acq: 28 Apr 2023 19:22

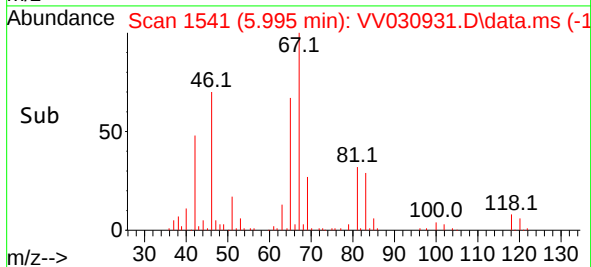
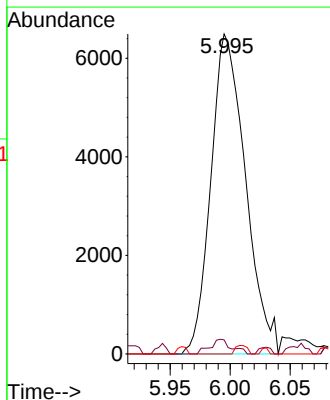
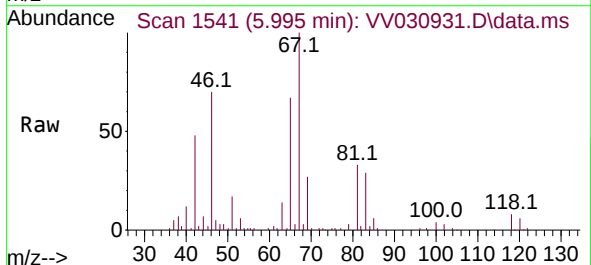
Instrument :
MSVOA_V
ClientSampleId :
BHE75DL

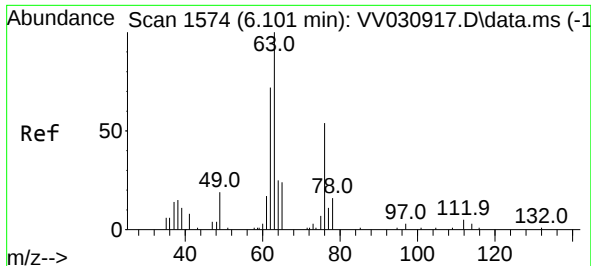
Tgt Ion:	95	Resp:	2965
Ion	Ratio	Lower	Upper
95	100		
97	69.3	46.2	85.8
132	111.6	72.7	135.1
130	110.5	75.7	140.5



#35
Methylcyclohexane
Concen: 1.045 ug/L
RT: 5.995 min Scan# 1541
Delta R.T. -0.064 min
Lab File: VV030931.D
Acq: 28 Apr 2023 19:22

Tgt Ion:	83	Resp:	12986
Ion	Ratio	Lower	Upper
83	100		
55	2.8	62.9	94.3#
98	0.9	40.5	60.7#

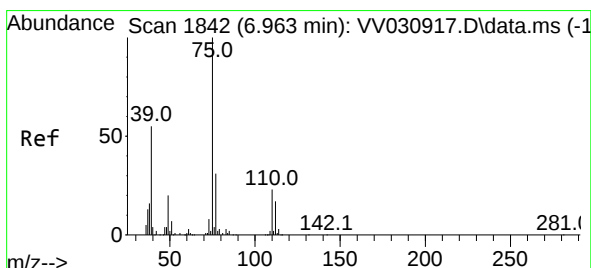
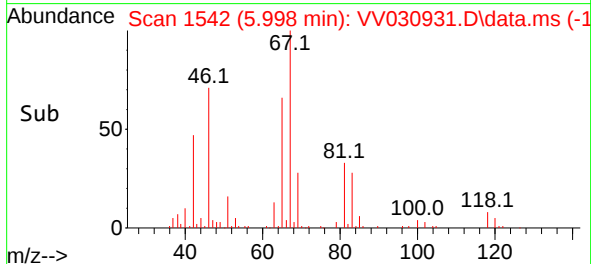
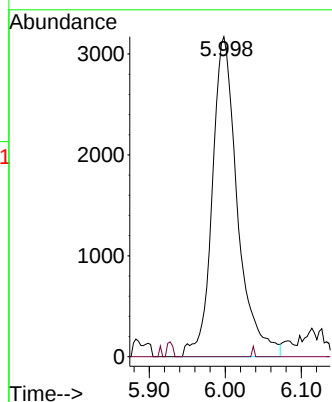
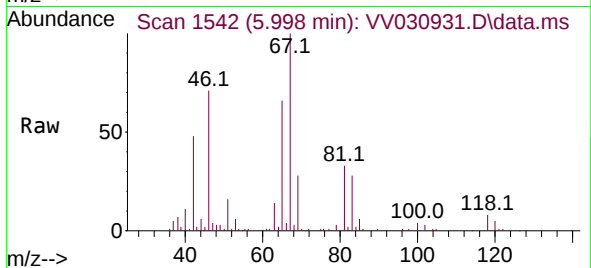




#37
1,2-Dichloropropane
Concen: 1.026 ug/L
RT: 5.998 min Scan# 11
Delta R.T. -0.103 min
Lab File: VV030931.D
Acq: 28 Apr 2023 19:22

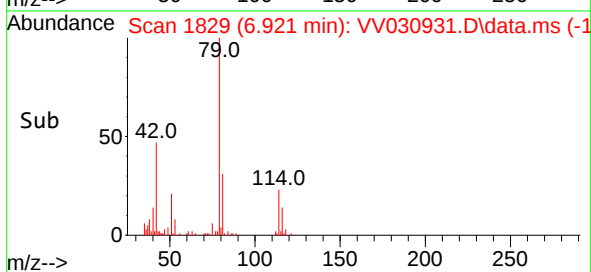
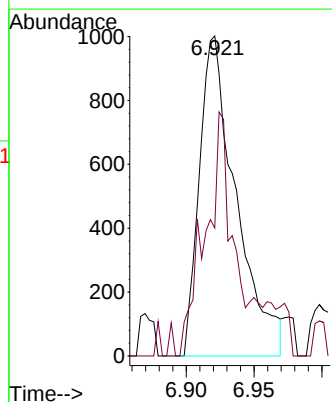
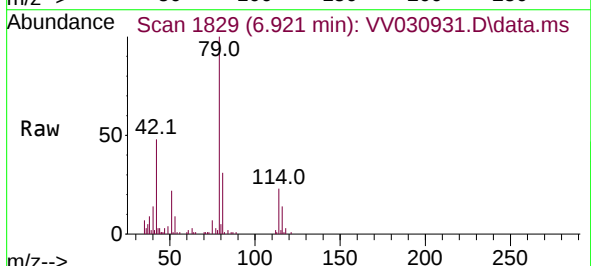
Instrument :
MSVOA_V
ClientSampleId :
BHE75DL

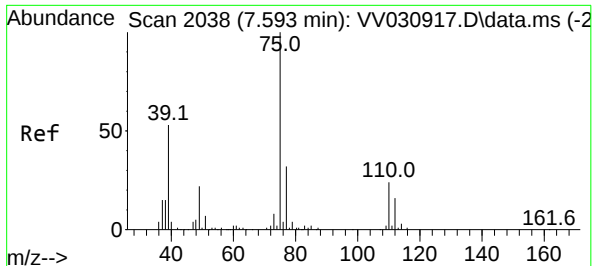
Tgt Ion: 63 Resp: 7319
Ion Ratio Lower Upper
63 100
112 0.3 3.8 5.8#



#39
cis-1,3-Dichloropropene
Concen: 0.176 ug/L
RT: 6.921 min Scan# 1829
Delta R.T. -0.042 min
Lab File: VV030931.D
Acq: 28 Apr 2023 19:22

Tgt Ion: 75 Resp: 1881
Ion Ratio Lower Upper
75 100
77 40.0 22.6 42.0

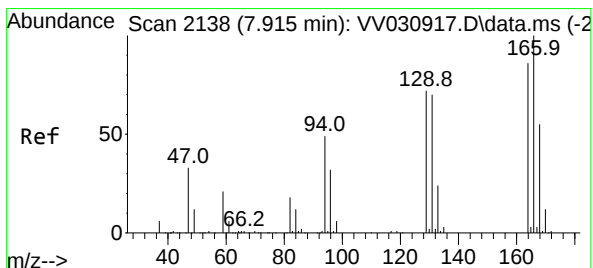
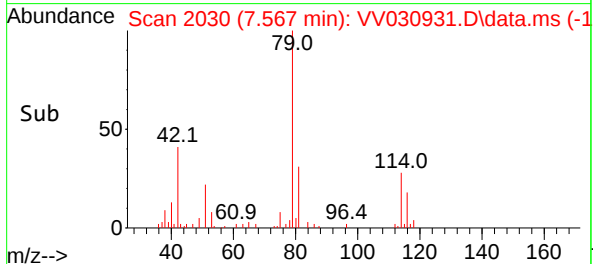
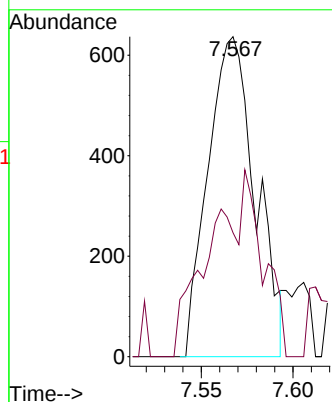
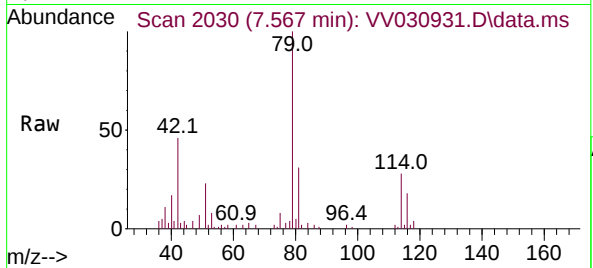




#44
trans-1,3-Dichloropropene
Concen: 0.126 ug/L
RT: 7.567 min Scan# 2030
Delta R.T. -0.026 min
Lab File: VV030931.D
Acq: 28 Apr 2023 19:22

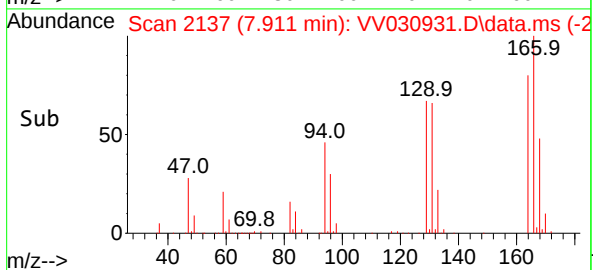
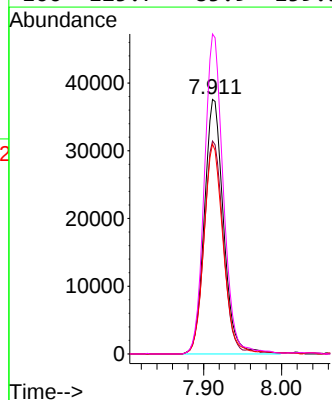
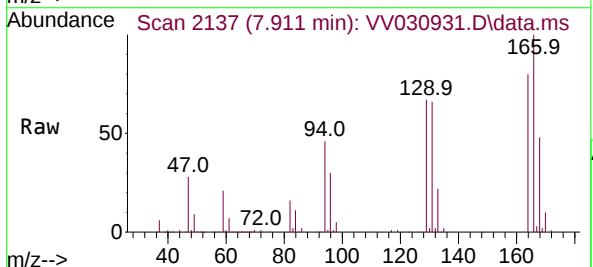
Instrument :
MSVOA_V
ClientSampleId :
BHE75DL

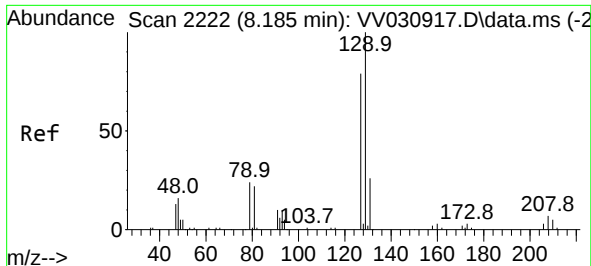
Tgt Ion: 75 Resp: 1150
Ion Ratio Lower Upper
75 100
77 38.8 21.6 40.0



#47
Tetrachloroethene
Concen: 8.407 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. -0.003 min
Lab File: VV030931.D
Acq: 28 Apr 2023 19:22

Tgt Ion: 164 Resp: 64320
Ion Ratio Lower Upper
164 100
129 83.6 60.5 112.3
131 82.4 60.8 112.8
166 125.7 85.9 159.5





#49

Dibromochloromethane

Concen: 7.615 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. -0.273 min

Lab File: VV030931.D

Acq: 28 Apr 2023 19:22

Instrument :

MSVOA_V

ClientSampleId :

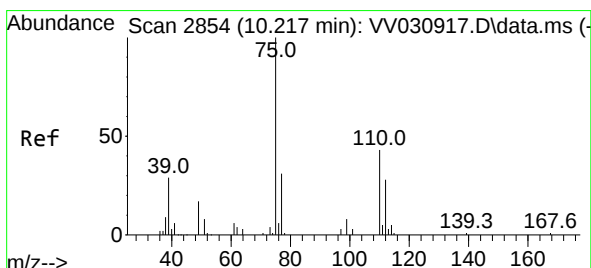
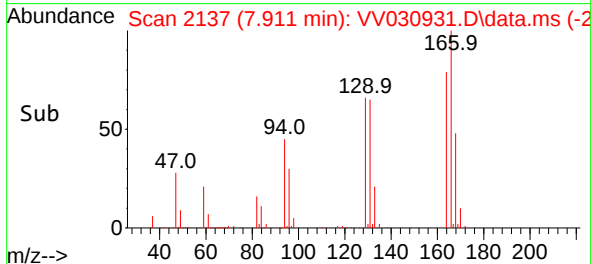
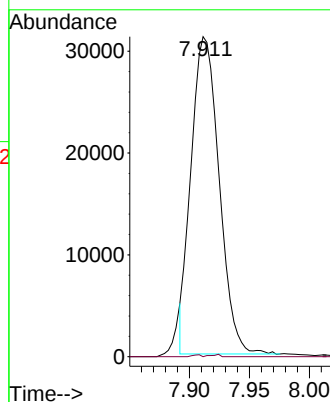
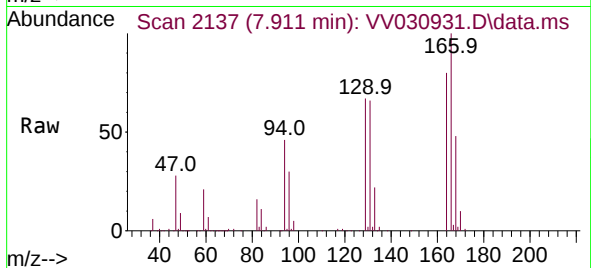
BHE75DL

Tgt Ion:129 Resp: 50725

Ion Ratio Lower Upper

129 100

127 0.0 55.3 102.7#



#61

1,2,3-Trichloropropane

Concen: 1.617 ug/L

RT: 11.197 min Scan# 3159

Delta R.T. 0.980 min

Lab File: VV030931.D

Acq: 28 Apr 2023 19:22

Tgt Ion: 75 Resp: 6120

Ion Ratio Lower Upper

75 100

77 45.3 25.3 37.9#

110 3.4 34.0 51.0#

