

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111822\
 Data File : VW029122.D
 Acq On : 18 Nov 2022 16:47
 Operator : SY/MD
 Sample : N5687-19
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BGCE4

Quant Time: Nov 18 23:34:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 18 04:35:43 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	266849	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	233390	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.243	152	106049	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	66113	4.064	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.200%
7) Chloroethane-d5	1.561	69	60334	4.219	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.400%
11) 1,1-Dichloroethene-d2	2.101	63	99176	3.345	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.000%
20) 2-Butanone-d5	3.905	46	61134	22.449	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	44.900%
24) Chloroform-d	4.342	84	160044	4.792	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.800%
26) 1,2-Dichloroethane-d4	5.031	65	77627	5.166	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.400%
32) Benzene-d6	5.047	84	330482	4.744	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.800%
36) 1,2-Dichloropropane-d6	6.066	67	104650	5.380	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.600%
41) Toluene-d8	7.313	98	283600	4.522	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.400%
43) trans-1,3-Dichloroprop...	7.622	79	30691	4.837	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.800%
46) 2-Hexanone-d5	8.088	63	149810	55.319	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.640%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	75553	5.602	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.000%
66) 1,2-Dichlorobenzene-d4	11.615	152	103831	5.473	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.400%
Target Compounds						Qvalue
3) Chloromethane	1.240	50	11944	0.647	ug/L	97
6) Bromomethane	1.516	94	610	0.048	ug/L #	69
8) Chloroethane	1.478	64	67746	5.475	ug/L #	51
12) 1,1-Dichloroethene	2.111	96	5267	0.326	ug/L #	1
18) trans-1,2-Dichloroethene	2.761	96	11490	0.613	ug/L	99
19) 1,1-Dichloroethane	3.188	63	31945	1.043	ug/L	96
22) cis-1,2-Dichloroethene	3.905	96	559746	29.387	ug/L	99
25) Chloroform	4.371	83	4725	0.147	ug/L	92
29) 1,1,1-Trichloroethane	4.603	97	167802	6.127	ug/L	98
31) Carbon tetrachloride	4.603	117	22423	0.951	ug/L	98
34) Trichloroethene	5.908	95	1851448	101.401	ug/L	98
35) Methylcyclohexane	6.069	83	24992	0.779	ug/L #	21
37) 1,2-Dichloropropane	6.066	63	10752	0.654	ug/L #	87
47) Tetrachloroethene	7.979	164	1405	0.096	ug/L	89
49) Dibromochloromethane	7.973	129	1220	0.094	ug/L #	10
61) 1,2,3-Trichloropropane	11.239	75	11906	1.643	ug/L #	65

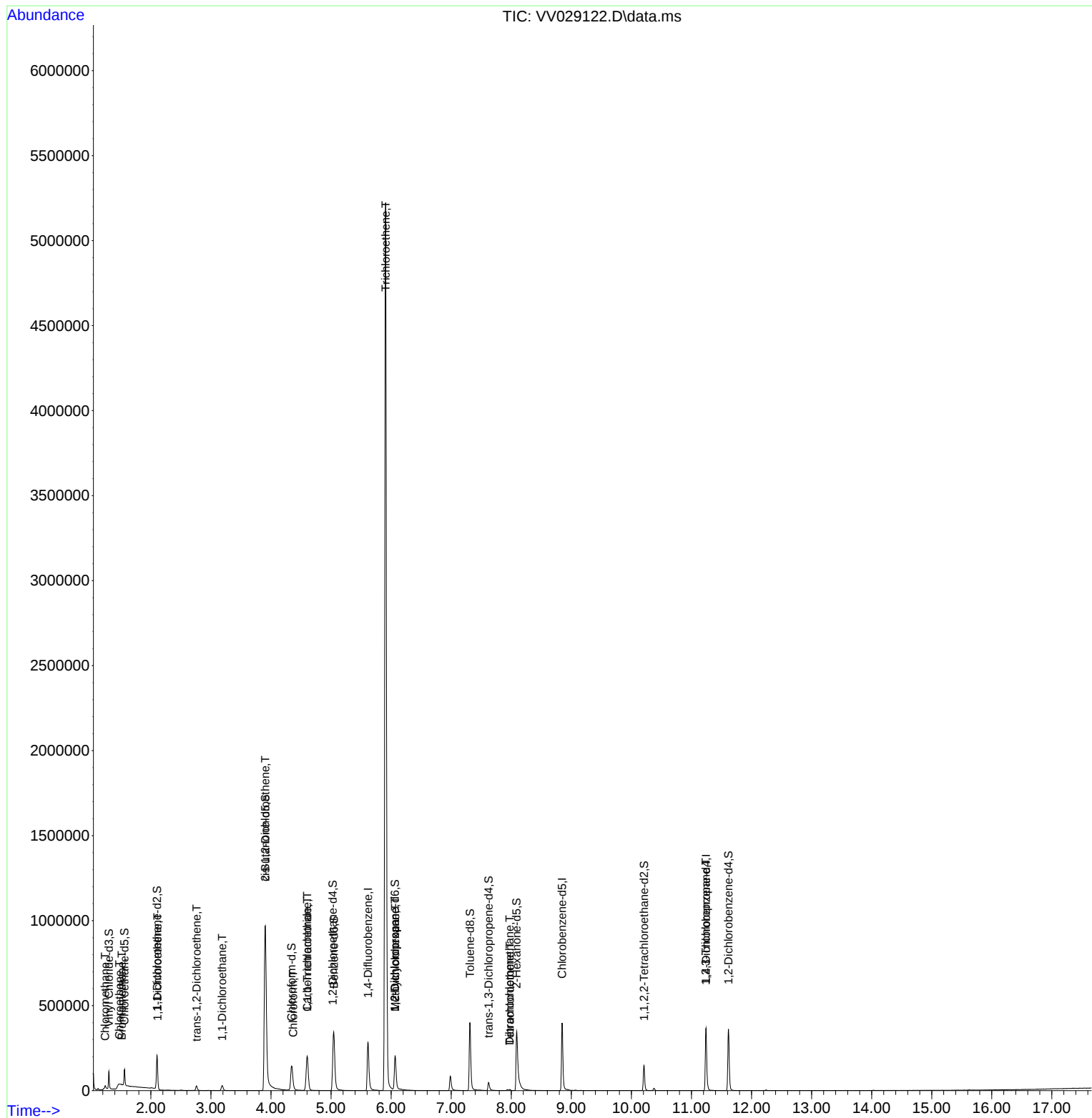
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_V
ClientSampleId :
BGCE4

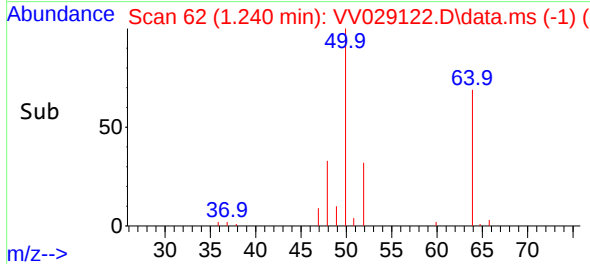
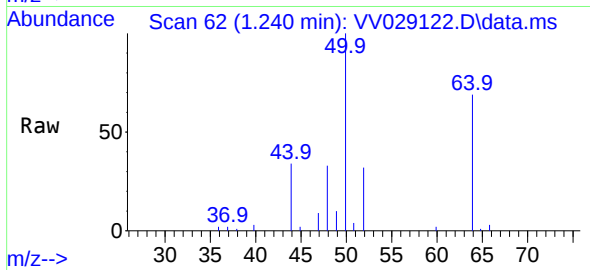
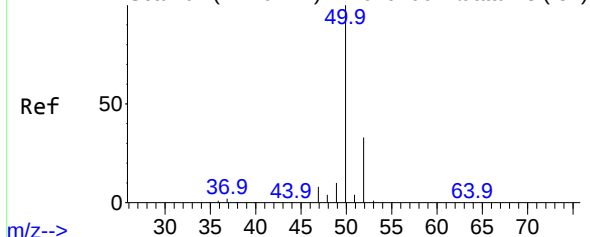
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111822\
Data File : VV029122.D
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QLast Update : Fri Nov 18 04:35:43 2022
Response via : Initial Calibration



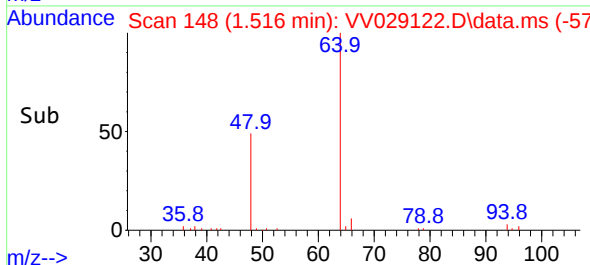
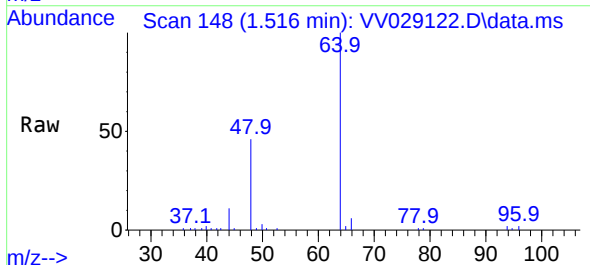
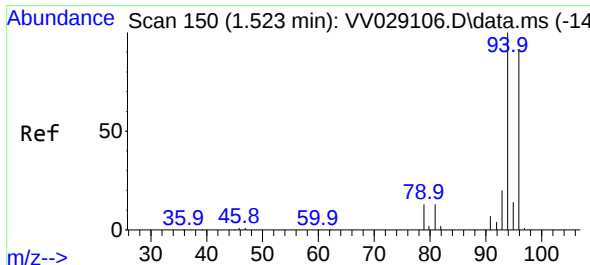
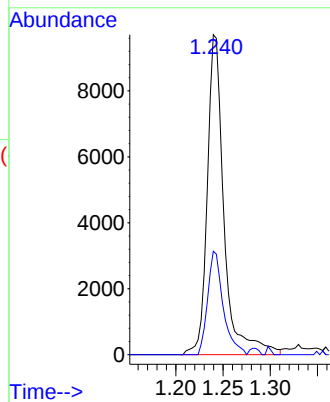
Abundance Scan 62 (1.240 min): VV029106.D\data.ms (-54)



#3
Chloromethane
Concen: 0.647 ug/L
RT: 1.240 min Scan# 61
Delta R.T. -0.000 min
Lab File: VV029122.D
Acq: 18 Nov 2022 16:47

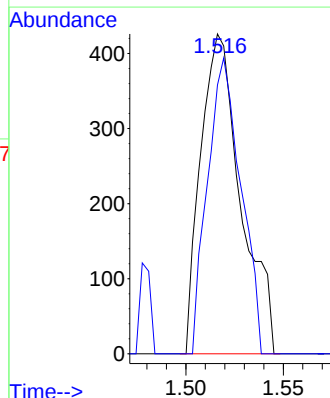
Instrument :
MSVOA_V
ClientSampleId :
BGCE4

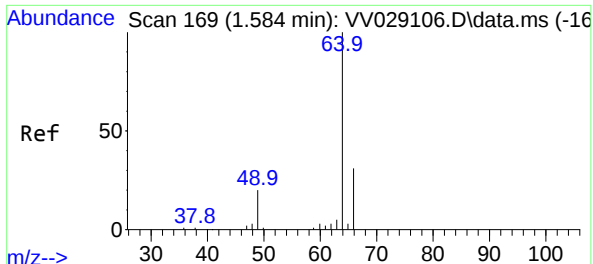
Tgt Ion: 50 Resp: 11944
Ion Ratio Lower Upper
50 100
52 32.4 23.7 43.9



#6
Bromomethane
Concen: 0.048 ug/L
RT: 1.516 min Scan# 148
Delta R.T. -0.007 min
Lab File: VV029122.D
Acq: 18 Nov 2022 16:47

Tgt Ion: 94 Resp: 610
Ion Ratio Lower Upper
94 100
96 67.5 68.5 127.3#

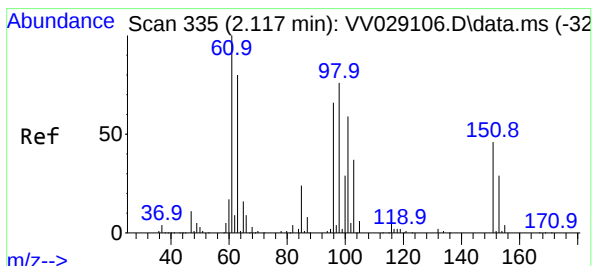
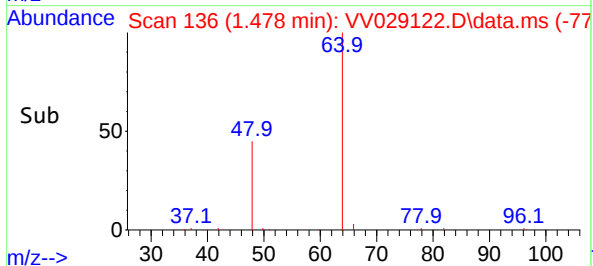
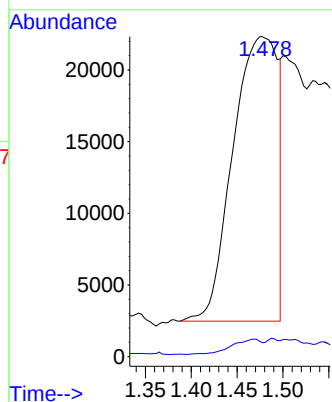
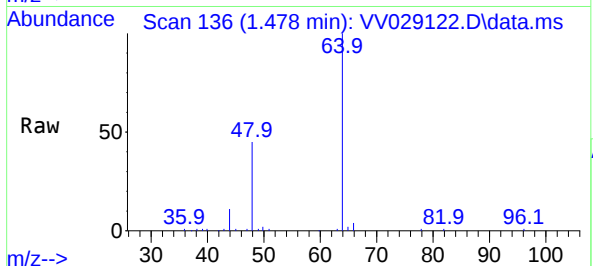




#8
Chloroethane
Concen: 5.475 ug/L
RT: 1.478 min Scan# 11
Delta R.T. -0.109 min
Lab File: VV029122.D
Acq: 18 Nov 2022 16:47

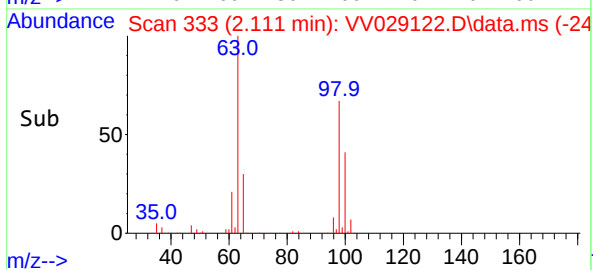
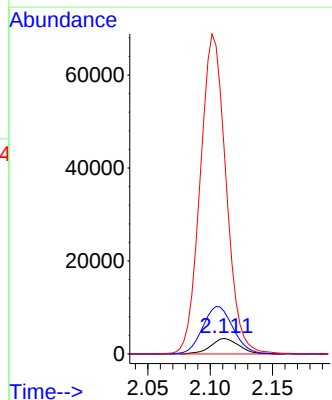
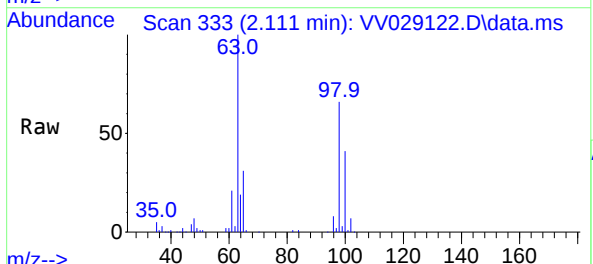
Instrument :
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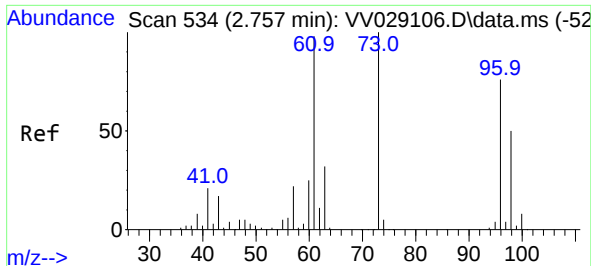
Tgt Ion: 64 Resp: 67746
Ion Ratio Lower Upper
64 100
66 4.3 22.0 40.8#



#12
1,1-Dichloroethene
Concen: 0.326 ug/L
RT: 2.111 min Scan# 333
Delta R.T. -0.010 min
Lab File: VV029122.D
Acq: 18 Nov 2022 16:47

Tgt Ion: 96 Resp: 5267
Ion Ratio Lower Upper
96 100
61 273.7 104.2 193.4#
63 1324.3 75.9 140.9#

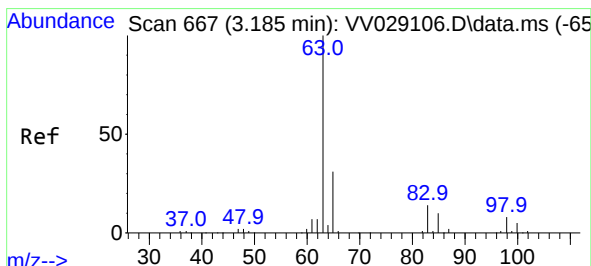
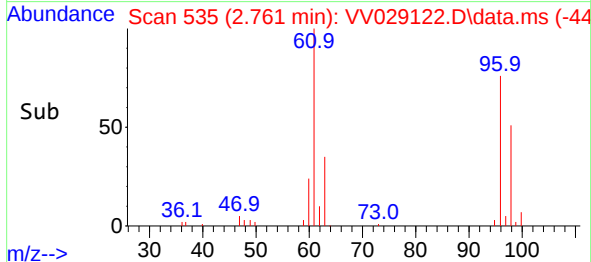
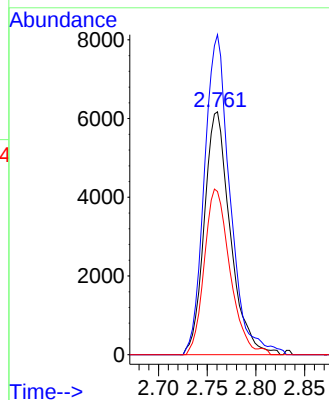
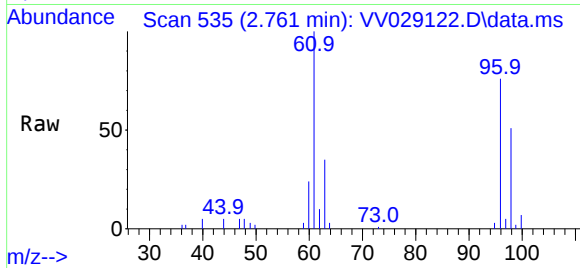




#18
trans-1,2-Dichloroethene
Concen: 0.613 ug/L
RT: 2.761 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV029122.D
Acq: 18 Nov 2022 16:47

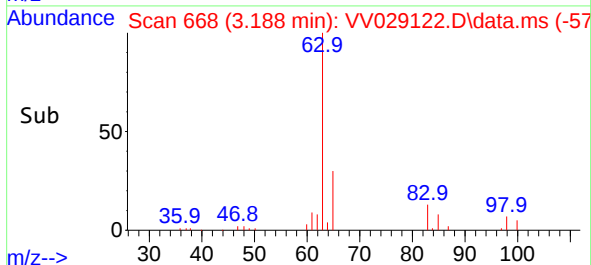
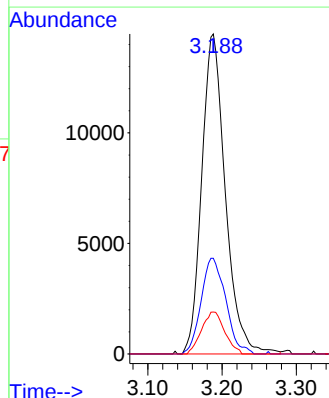
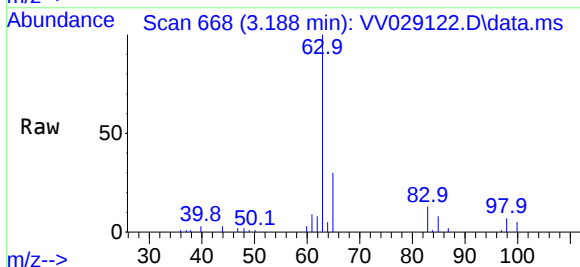
Instrument :
MSVOA_V
ClientSampleId :
BGCE4

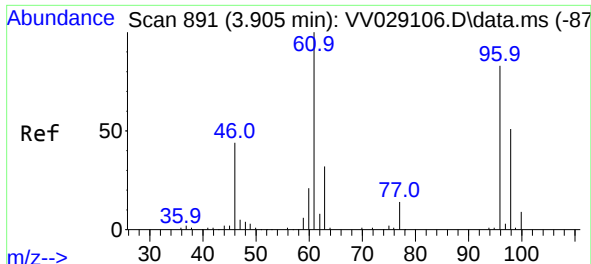
Tgt Ion: 96 Resp: 11490
Ion Ratio Lower Upper
96 100
61 131.7 91.8 170.6
98 67.2 46.4 86.2



#19
1,1-Dichloroethane
Concen: 1.043 ug/L
RT: 3.188 min Scan# 668
Delta R.T. -0.000 min
Lab File: VV029122.D
Acq: 18 Nov 2022 16:47

Tgt Ion: 63 Resp: 31945
Ion Ratio Lower Upper
63 100
65 29.9 23.0 42.6
83 13.1 9.4 17.6

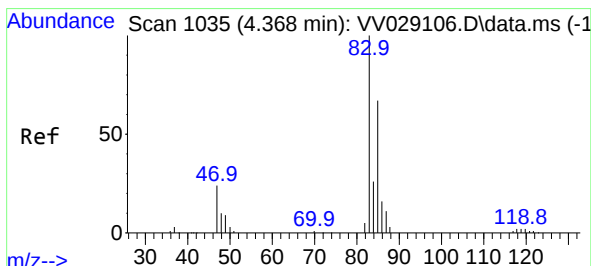
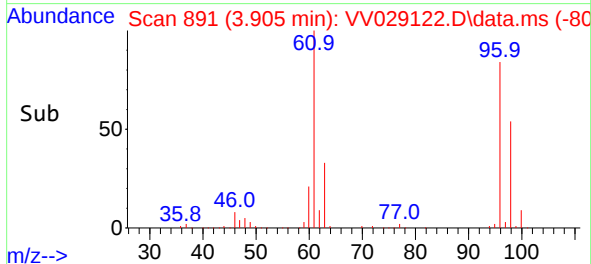
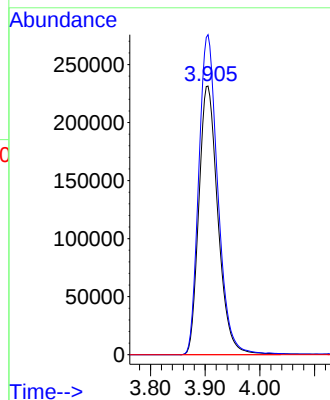
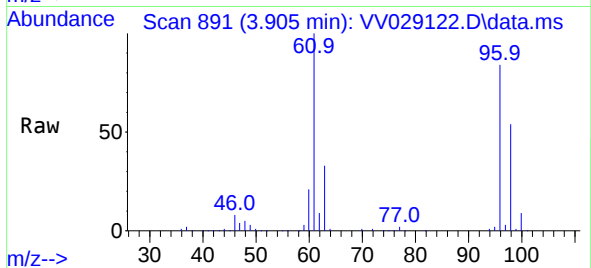




#22
cis-1,2-Dichloroethene
Concen: 29.387 ug/L
RT: 3.905 min Scan# 891
Delta R.T. -0.007 min
Lab File: VV029122.D
Acq: 18 Nov 2022 16:47

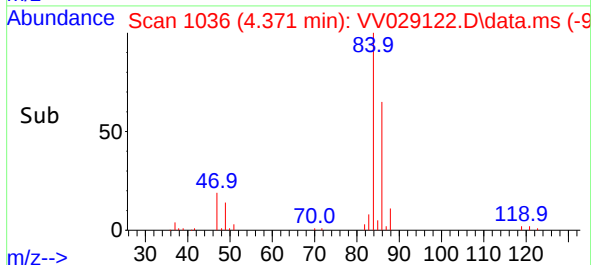
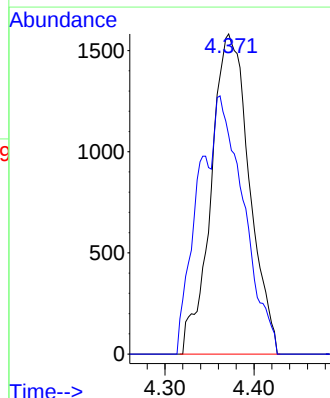
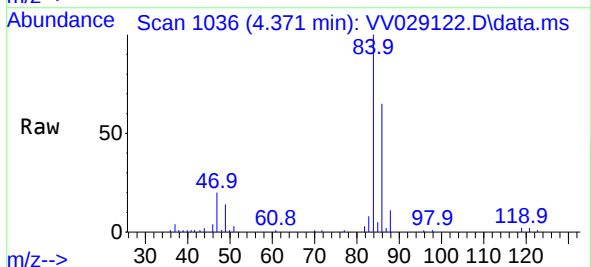
Instrument :
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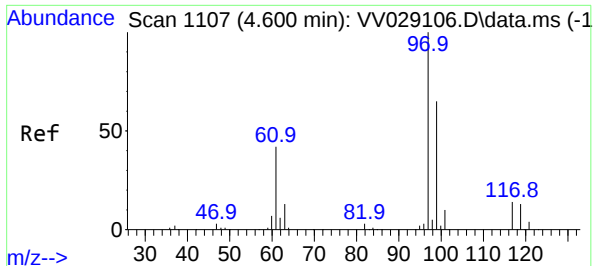
Tgt Ion: 96 Resp: 559746
Ion Ratio Lower Upper
96 100
61 119.1 82.3 152.9
68 0.0 0.0 0.0



#25
Chloroform
Concen: 0.147 ug/L
RT: 4.371 min Scan# 1036
Delta R.T. -0.003 min
Lab File: VV029122.D
Acq: 18 Nov 2022 16:47

Tgt Ion: 83 Resp: 4725
Ion Ratio Lower Upper
83 100
85 68.3 43.7 81.1





#29

1,1,1-Trichloroethane

Concen: 6.127 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. -0.003 min

Lab File: VV029122.D

Acq: 18 Nov 2022 16:47

Instrument :

MSVOA_V

ClientSampleId :

BGCE4

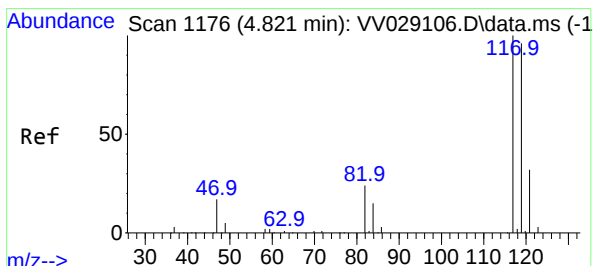
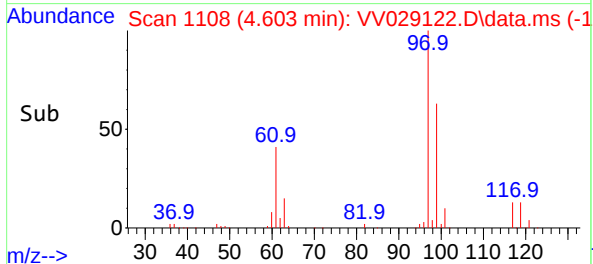
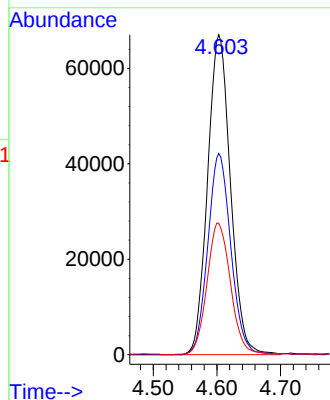
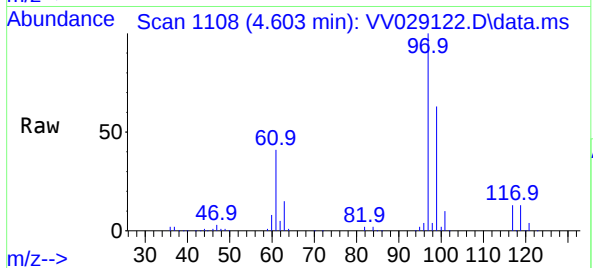
Tgt Ion: 97 Resp: 167802

Ion Ratio Lower Upper

97 100

99 63.4 52.7 79.1

61 42.5 33.8 50.6



#31

Carbon tetrachloride

Concen: 0.951 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. -0.225 min

Lab File: VV029122.D

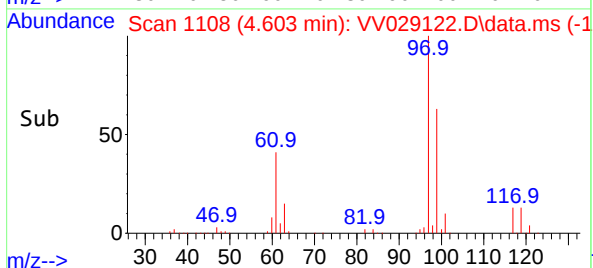
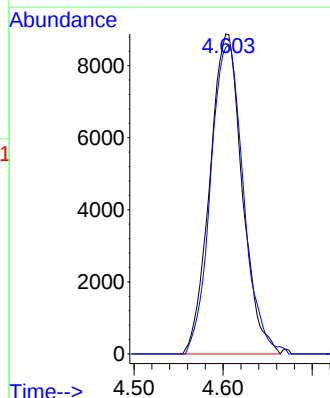
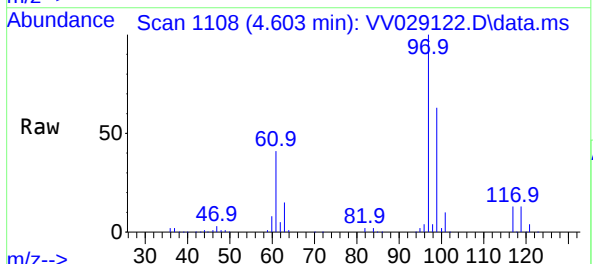
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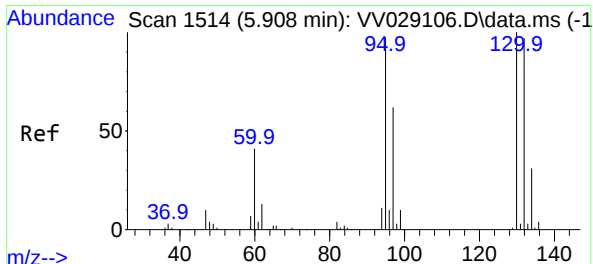
Tgt Ion: 117 Resp: 22423

Ion Ratio Lower Upper

117 100

119 98.0 77.0 115.6



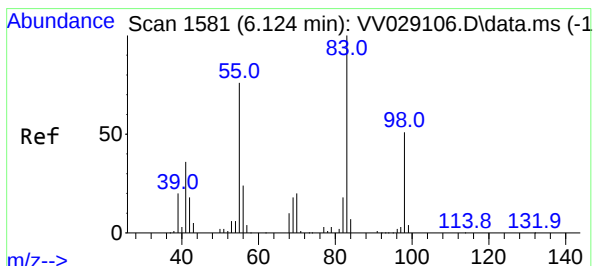
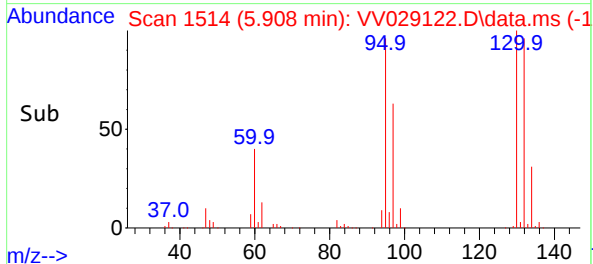
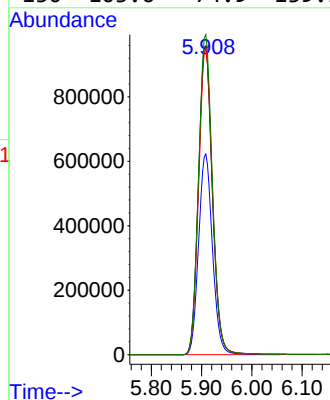
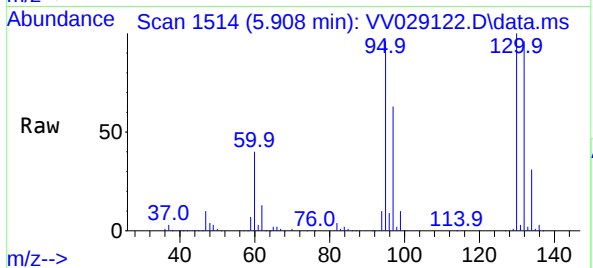


#34
Trichloroethene
Concen: 101.401 ug/L
RT: 5.908 min Scan# 11
Delta R.T. -0.007 min
Lab File: VV029122.D
Acq: 18 Nov 2022 16:47

Instrument :
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Tgt Ion: 95 Resp: 1851448

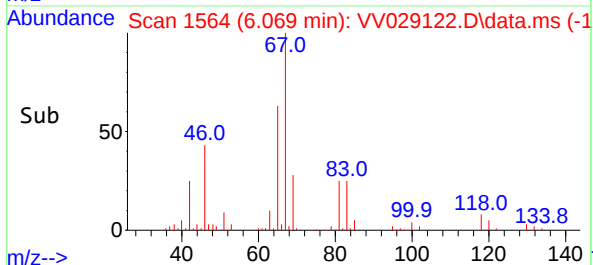
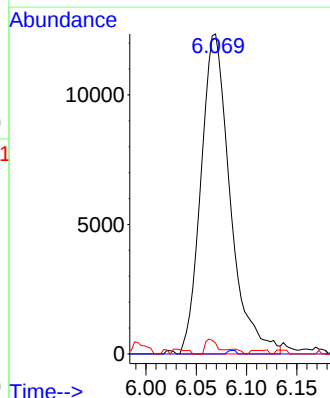
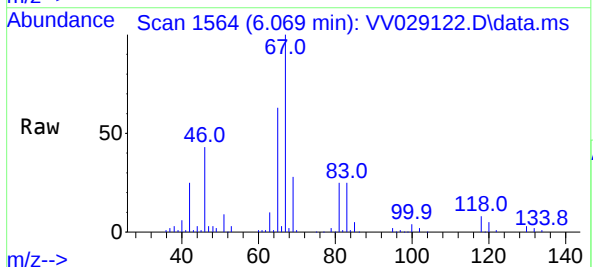
Ion	Ratio	Lower	Upper
95	100		
97	65.0	45.6	84.8
132	99.3	69.1	128.3
130	103.6	74.9	139.1

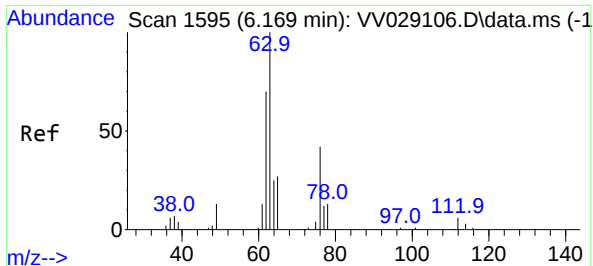


#35
Methylcyclohexane
Concen: 0.779 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.061 min
Lab File: VV029122.D
Acq: 18 Nov 2022 16:47

Tgt Ion: 83 Resp: 24992

Ion	Ratio	Lower	Upper
83	100		
55	0.3	55.8	83.6#
98	0.0	38.2	57.2#

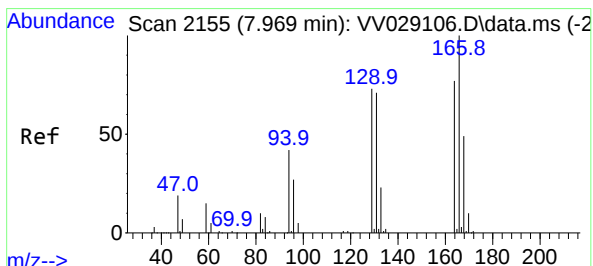
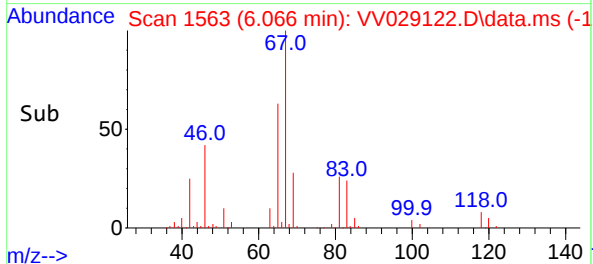
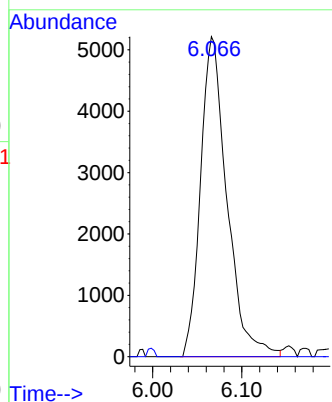
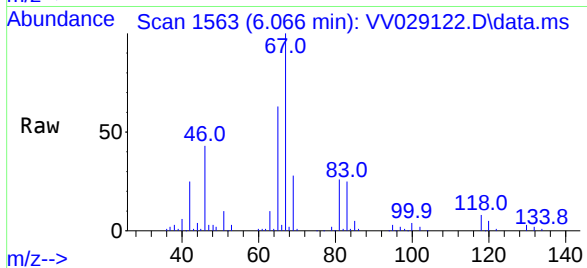




#37
1,2-Dichloropropane
Concen: 0.654 ug/L
RT: 6.066 min Scan# 11
Delta R.T. -0.106 min
Lab File: VV029122.D
Acq: 18 Nov 2022 16:47

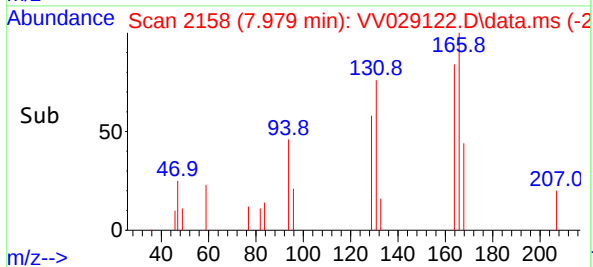
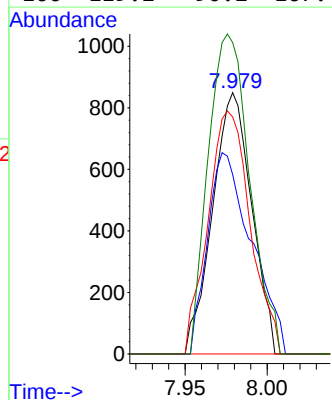
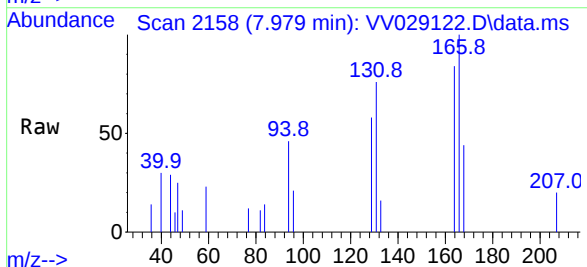
Instrument :
MSVOA_V
ClientSampleId :
BGCE4

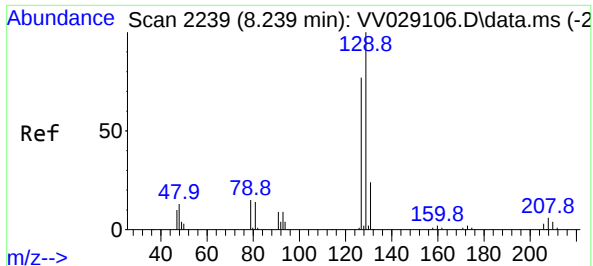
Tgt Ion: 63 Resp: 10752
Ion Ratio Lower Upper
63 100
112 0.7 4.0 6.0#



#47
Tetrachloroethene
Concen: 0.096 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. 0.006 min
Lab File: VV029122.D
Acq: 18 Nov 2022 16:47

Tgt Ion:164 Resp: 1405
Ion Ratio Lower Upper
164 100
129 68.7 63.9 118.7
131 90.7 61.8 114.8
166 119.2 90.2 167.4





#49

Dibromochloromethane

Concen: 0.094 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. -0.267 min

Lab File: VV029122.D

Acq: 18 Nov 2022 16:47

Instrument :

MSVOA_V

ClientSampleId :

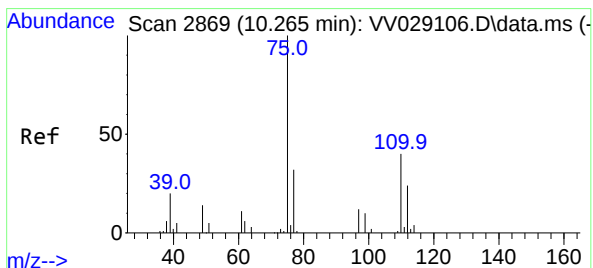
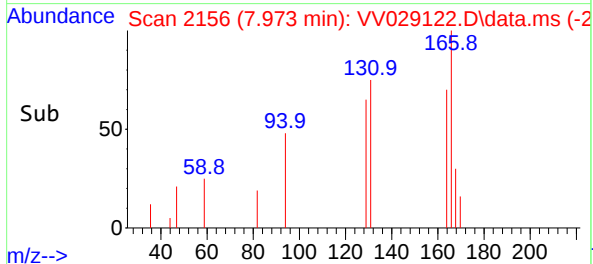
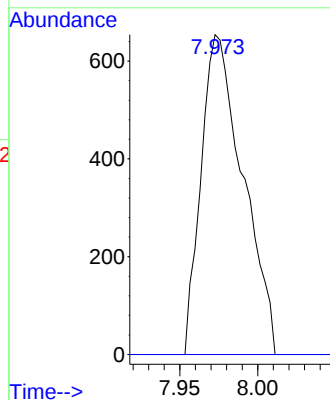
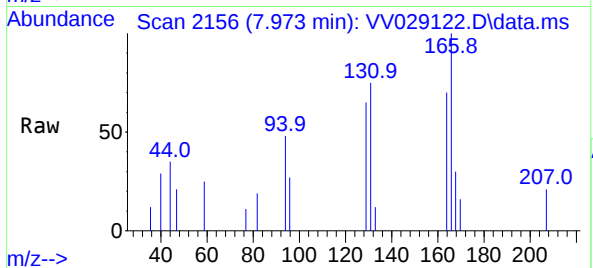
BGCE4

Tgt Ion:129 Resp: 1220

Ion Ratio Lower Upper

129 100

127 0.0 54.5 101.1#



#61

1,2,3-Trichloropropane

Concen: 1.643 ug/L

RT: 11.239 min Scan# 3172

Delta R.T. 0.971 min

Lab File: VV029122.D

Acq: 18 Nov 2022 16:47

Tgt Ion: 75 Resp: 11906

Ion Ratio Lower Upper

75 100

77 31.1 26.2 39.2

110 2.3 32.6 48.8#

