

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111922\
 Data File : VW029201.D
 Acq On : 20 Nov 2022 03:47
 Operator : SY/MD
 Sample : N5651-02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BH1G5

Quant Time: Nov 20 04:32:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sun Nov 20 03:53:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	301592	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	276390	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.242	152	127687	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	94285	5.128	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.600%
7) Chloroethane-d5	1.568	69	78546	4.859	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.200%
11) 1,1-Dichloroethene-d2	2.108	63	125072	3.733	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.600%
20) 2-Butanone-d5	3.892	46	136734	44.426	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.860%
24) Chloroform-d	4.342	84	169058	4.478	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.600%
26) 1,2-Dichloroethane-d4	5.031	65	78228	4.606	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.200%
32) Benzene-d6	5.047	84	358433	4.345	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.800%
36) 1,2-Dichloropropane-d6	6.066	67	104643	4.542	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.800%
41) Toluene-d8	7.310	98	310144	4.176	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.600%
43) trans-1,3-Dichloroprop...	7.622	79	30391	4.045	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.800%
46) 2-Hexanone-d5	8.088	63	139089	43.369	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.740%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	74539	4.667	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.400%
66) 1,2-Dichlorobenzene-d4	11.615	152	111676	4.889	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	2339	0.112	ug/L	96
8) Chloroethane	1.455	64	39768	2.843	ug/L #	52
9) Trichlorofluoromethane	1.751	101	2409222	75.074	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	28404	1.563	ug/L	99
12) 1,1-Dichloroethene	2.117	96	11653	0.638	ug/L #	1
17) Methyl tert-butyl Ether	2.767	73	1595	0.041	ug/L #	75
19) 1,1-Dichloroethane	3.188	63	107268	3.099	ug/L	99
22) cis-1,2-Dichloroethene	3.908	96	16424	0.763	ug/L	94
25) Chloroform	4.368	83	6172	0.170	ug/L	88
27) 1,2-Dichloroethane	5.050	62	1713	0.092	ug/L	96
29) 1,1,1-Trichloroethane	4.609	97	5813	0.179	ug/L	95
31) Carbon tetrachloride	4.825	117	1013	0.036	ug/L #	79
34) Trichloroethene	5.911	95	119777	5.539	ug/L	98
35) Methylcyclohexane	6.066	83	25809	0.679	ug/L #	22
37) 1,2-Dichloropropane	6.066	63	11298	0.580	ug/L #	85
47) Tetrachloroethene	7.976	164	1529	0.088	ug/L	92
49) Dibromochloromethane	7.973	129	1442	0.094	ug/L #	10
61) 1,2,3-Trichloropropane	11.242	75	13103	1.502	ug/L #	66
68) 1,2-Dibromo-3-chloropr...	12.236	75	214	0.125	ug/L #	2

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QLast Update : Sun Nov 20 03:53:06 2022
Response via : Initial Calibration

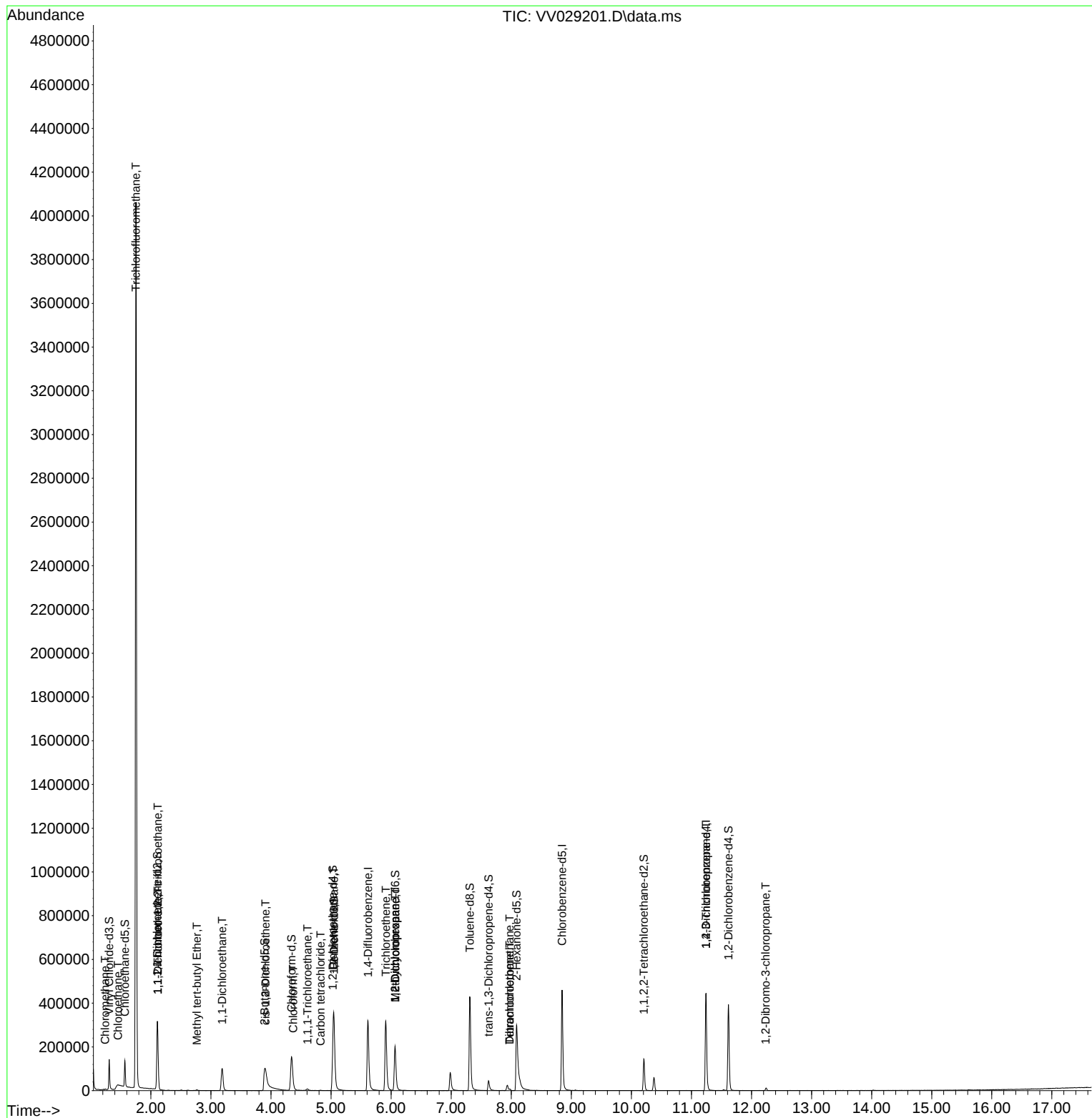
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

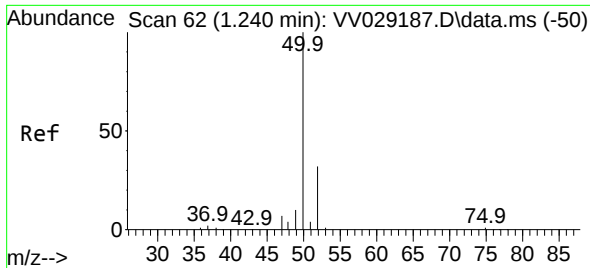
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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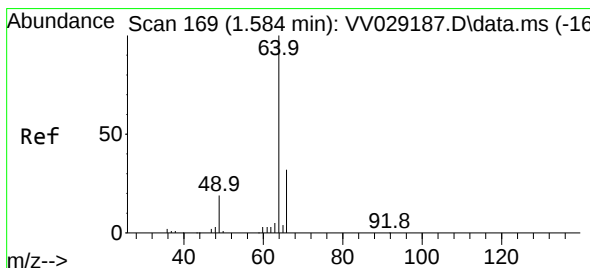
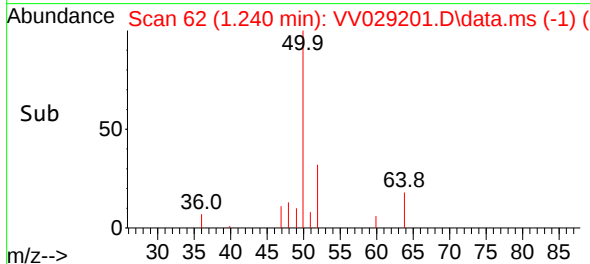
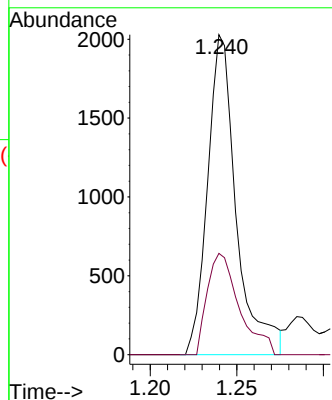
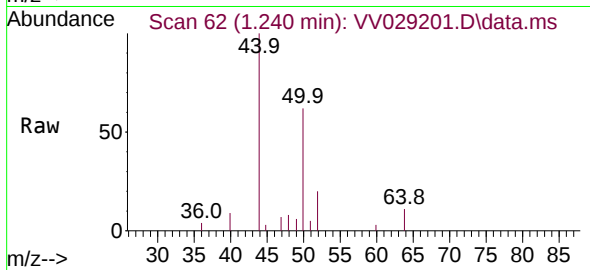




#3
Chloromethane
Concen: 0.112 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.000 min
Lab File: VV029201.D
Acq: 20 Nov 2022 03:47

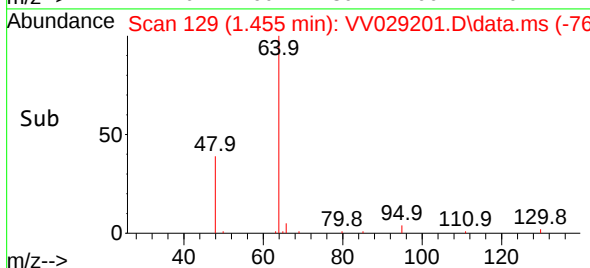
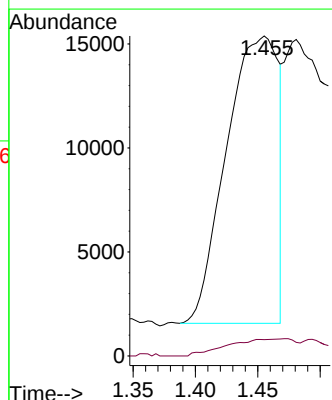
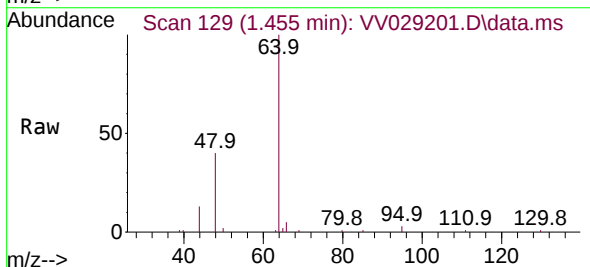
Instrument :
MSVOA_V
ClientSampleId :
BH1G5

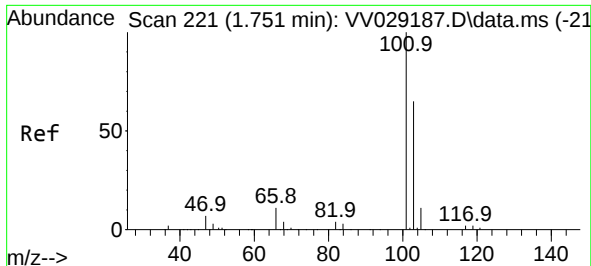
Tgt Ion: 50 Resp: 2339
Ion Ratio Lower Upper
50 100
52 31.6 23.7 43.9



#8
Chloroethane
Concen: 2.843 ug/L
RT: 1.455 min Scan# 129
Delta R.T. -0.129 min
Lab File: VV029201.D
Acq: 20 Nov 2022 03:47

Tgt Ion: 64 Resp: 39768
Ion Ratio Lower Upper
64 100
66 5.1 22.0 40.8#

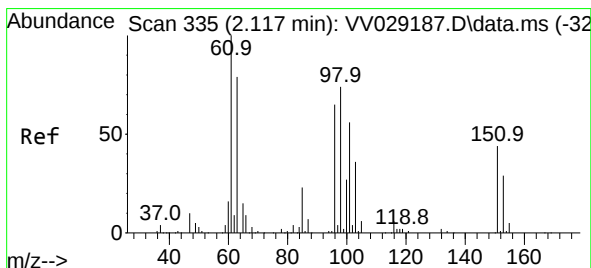
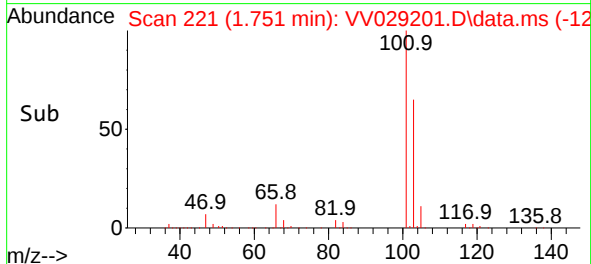
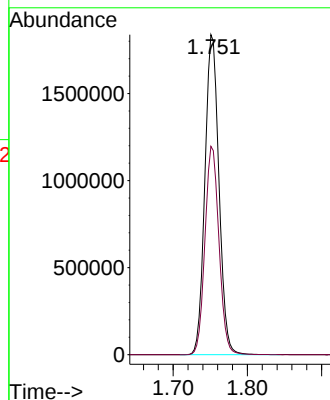
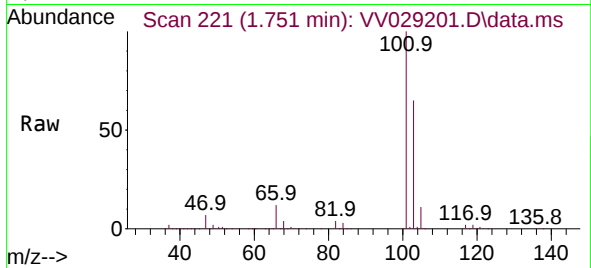




#9
 Trichlorofluoromethane
 Concen: 75.074 ug/L
 RT: 1.751 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV029201.D
 Acq: 20 Nov 2022 03:47

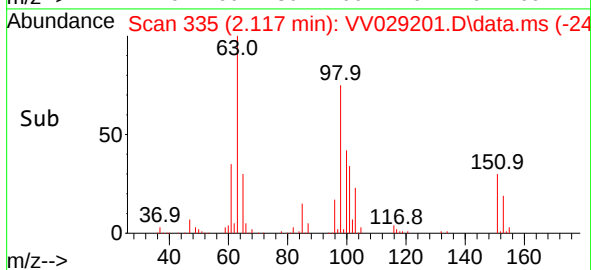
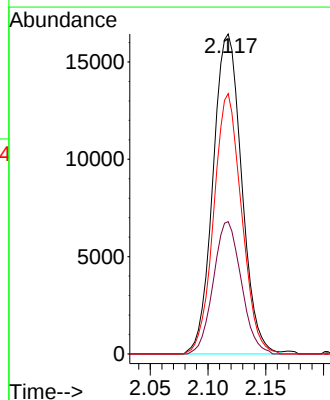
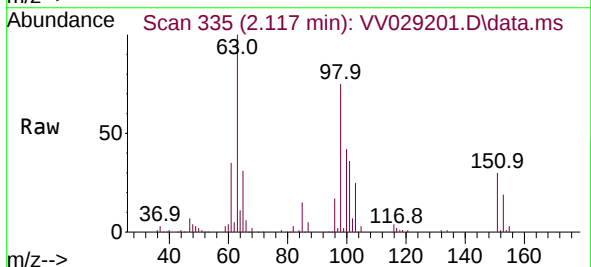
Instrument :
 MSVOA_V
 ClientSampleId :
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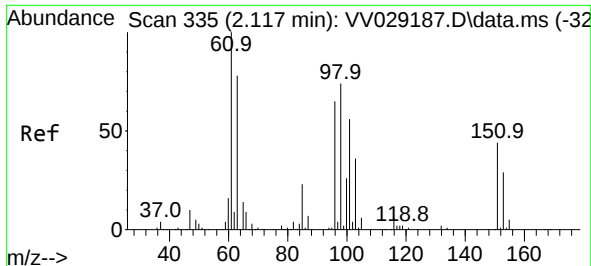
Tgt Ion:101 Resp: 2409222
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.3 76.9



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.563 ug/L
 RT: 2.117 min Scan# 335
 Delta R.T. 0.000 min
 Lab File: VV029201.D
 Acq: 20 Nov 2022 03:47

Tgt Ion:101 Resp: 28404
 Ion Ratio Lower Upper
 101 100
 85 40.2 32.9 49.3
 151 78.9 62.5 93.7





#12

1,1-Dichloroethene

Concen: 0.638 ug/L

RT: 2.117 min Scan# 311

Delta R.T. 0.000 min

Lab File: VV029201.D

Acq: 20 Nov 2022 03:47

Instrument :

MSVOA_V

ClientSampleId :

BH1G5

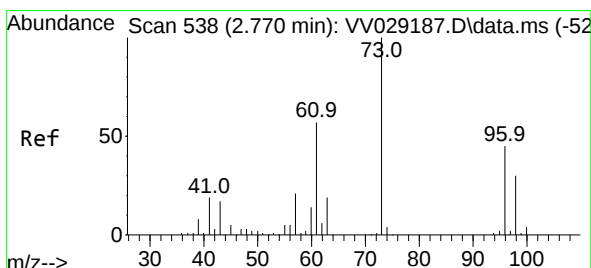
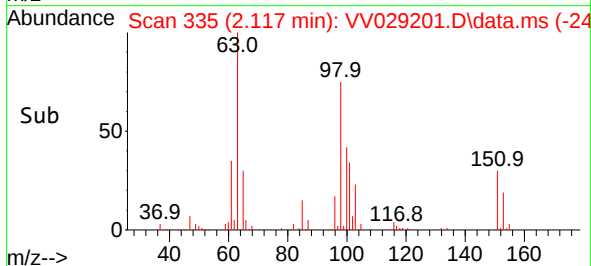
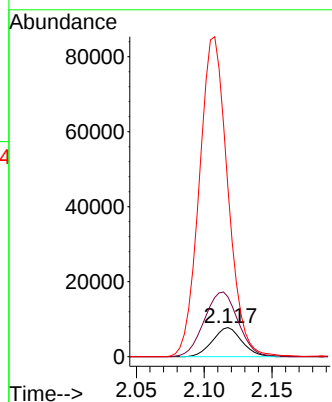
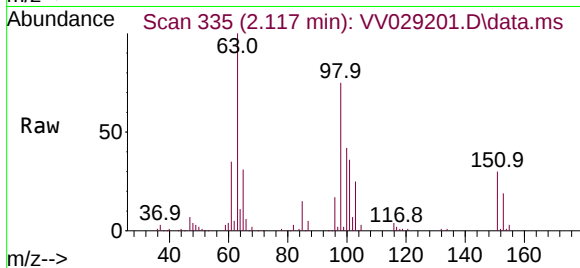
Tgt Ion: 96 Resp: 11653

Ion Ratio Lower Upper

96 100

61 205.4 104.2 193.4#

63 582.2 75.9 140.9#



#17

Methyl tert-butyl Ether

Concen: 0.041 ug/L

RT: 2.767 min Scan# 537

Delta R.T. -0.003 min

Lab File: VV029201.D

Acq: 20 Nov 2022 03:47

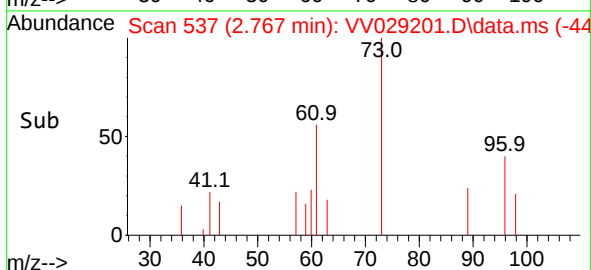
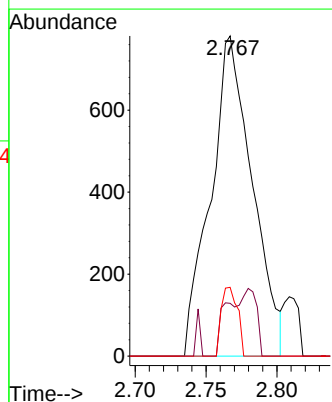
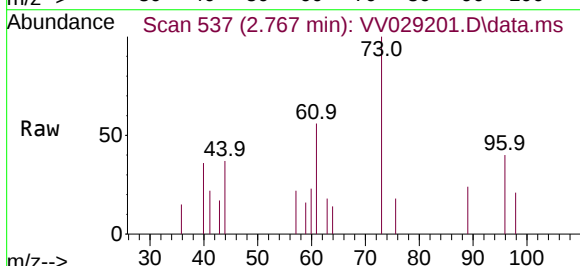
Tgt Ion: 73 Resp: 1595

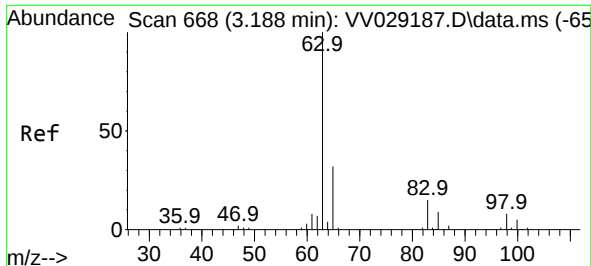
Ion Ratio Lower Upper

73 100

43 6.0 13.0 19.4#

57 8.3 16.6 24.8#





#19

1,1-Dichloroethane

Concen: 3.099 ug/L

RT: 3.188 min Scan# 668

Delta R.T. 0.000 min

Lab File: VV029201.D

Acq: 20 Nov 2022 03:47

Instrument :

MSVOA_V

ClientSampleId :

BH1G5

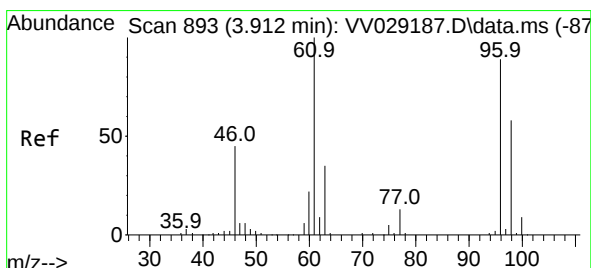
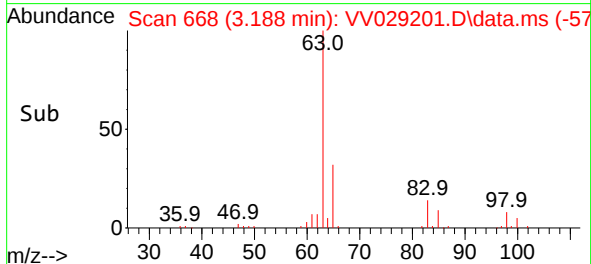
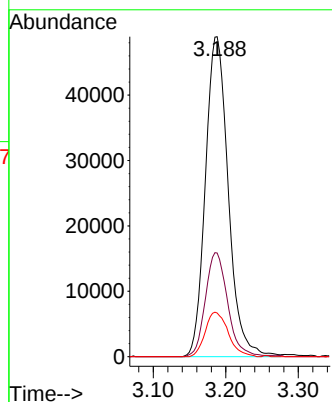
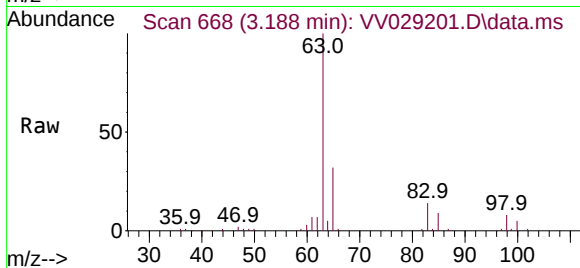
Tgt Ion: 63 Resp: 107268

Ion Ratio Lower Upper

63 100

65 32.4 23.0 42.6

83 13.7 9.4 17.6



#22

cis-1,2-Dichloroethene

Concen: 0.763 ug/L

RT: 3.908 min Scan# 892

Delta R.T. -0.003 min

Lab File: VV029201.D

Acq: 20 Nov 2022 03:47

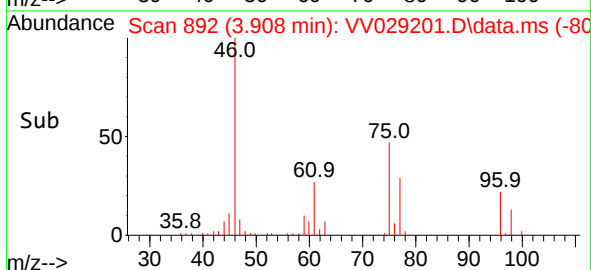
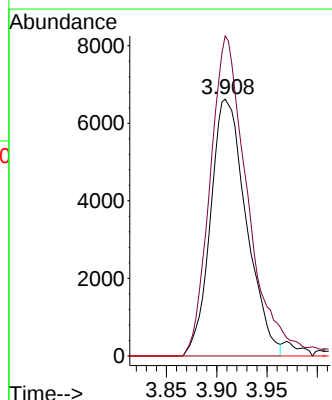
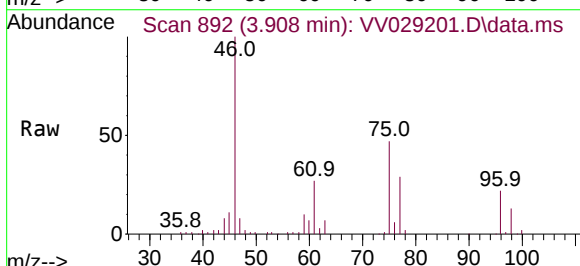
Tgt Ion: 96 Resp: 16424

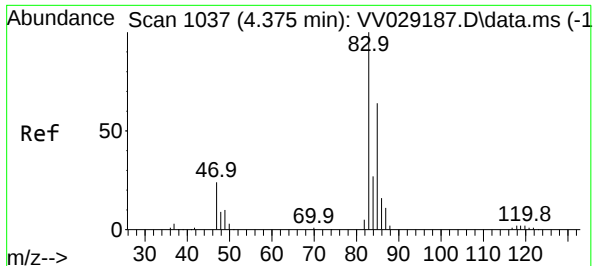
Ion Ratio Lower Upper

96 100

61 124.6 82.3 152.9

68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.170 ug/L

RT: 4.368 min Scan# 1

Delta R.T. -0.006 min

Lab File: VV029201.D

Acq: 20 Nov 2022 03:47

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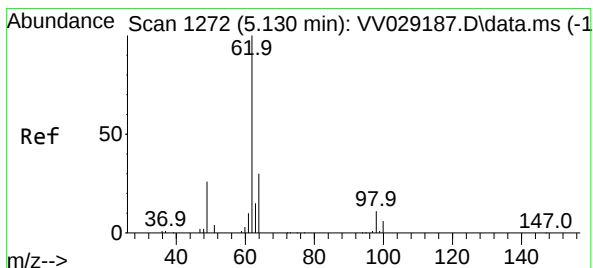
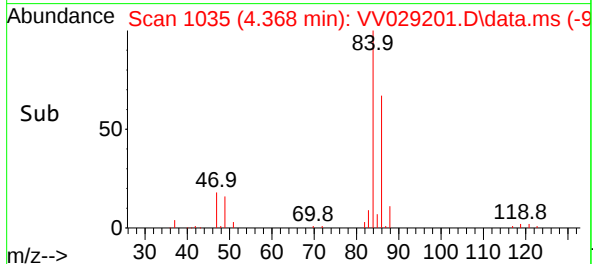
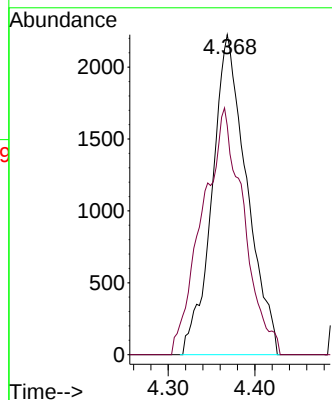
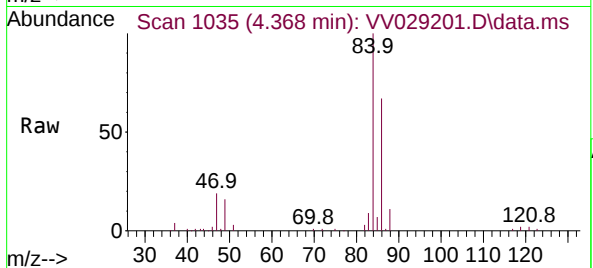
BH1G5

Tgt Ion: 83 Resp: 6172

Ion Ratio Lower Upper

83 100

85 71.6 43.7 81.1



#27

1,2-Dichloroethane

Concen: 0.092 ug/L

RT: 5.050 min Scan# 1247

Delta R.T. -0.080 min

Lab File: VV029201.D

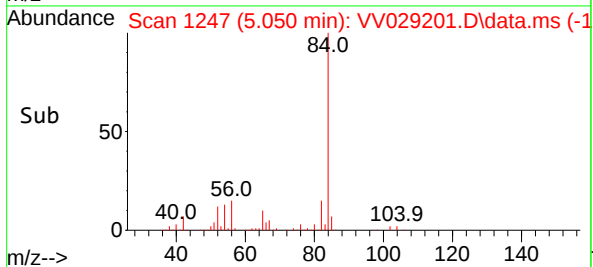
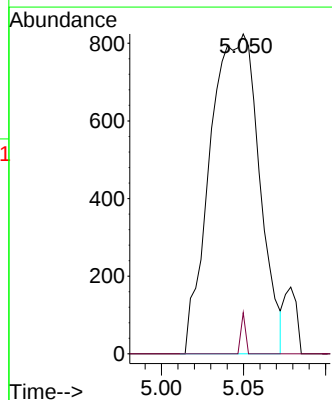
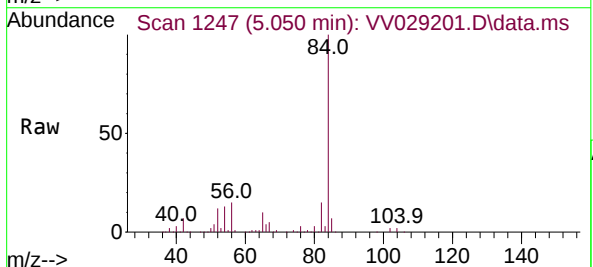
Acq: 20 Nov 2022 03:47

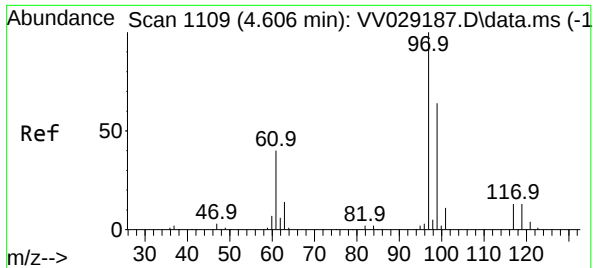
Tgt Ion: 62 Resp: 1713

Ion Ratio Lower Upper

62 100

98 12.9 9.0 13.6

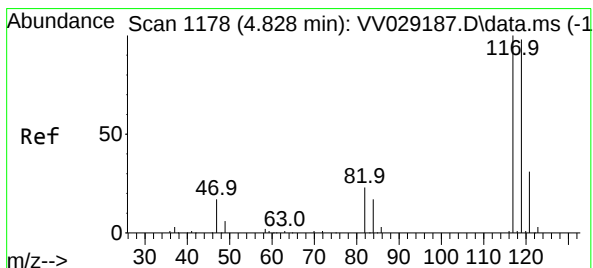
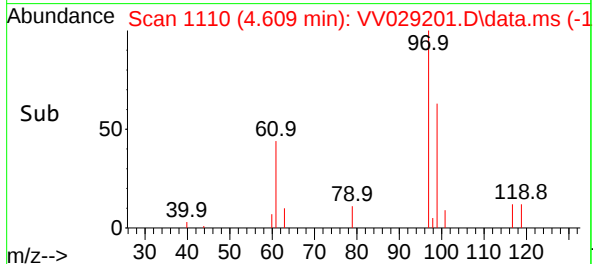
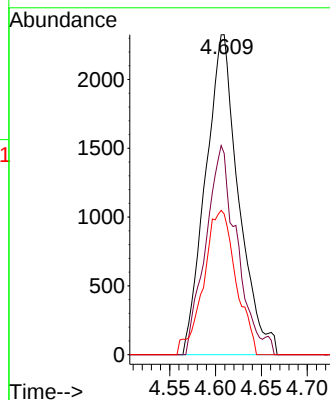
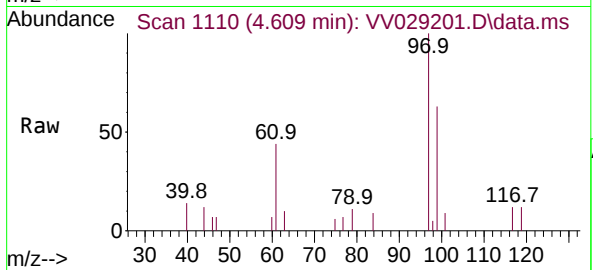




#29
1,1,1-Trichloroethane
Concen: 0.179 ug/L
RT: 4.609 min Scan# 1109
Delta R.T. 0.003 min
Lab File: VV029201.D
Acq: 20 Nov 2022 03:47

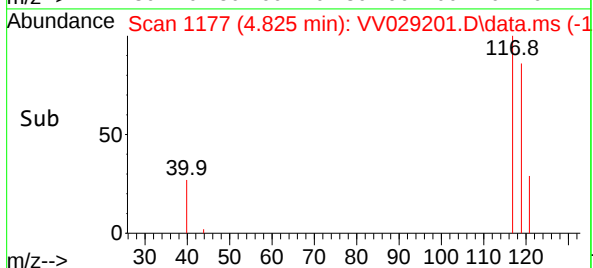
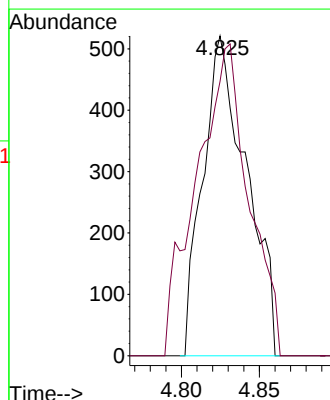
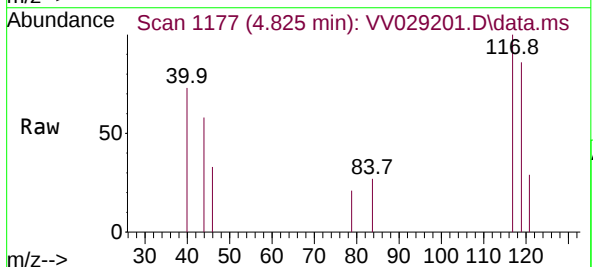
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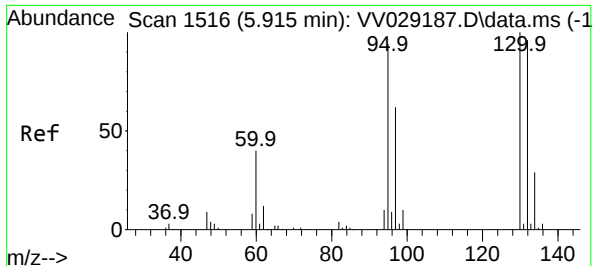
Tgt Ion: 97 Resp: 5813
Ion Ratio Lower Upper
97 100
99 60.7 52.7 79.1
61 44.2 33.8 50.6



#31
Carbon tetrachloride
Concen: 0.036 ug/L
RT: 4.825 min Scan# 1177
Delta R.T. -0.003 min
Lab File: VV029201.D
Acq: 20 Nov 2022 03:47

Tgt Ion: 117 Resp: 1013
Ion Ratio Lower Upper
117 100
119 116.6 77.0 115.6#

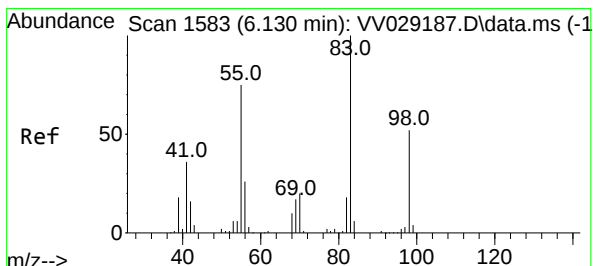
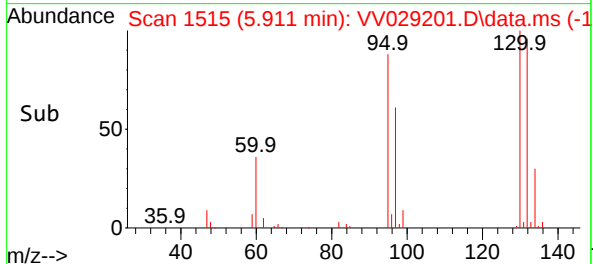
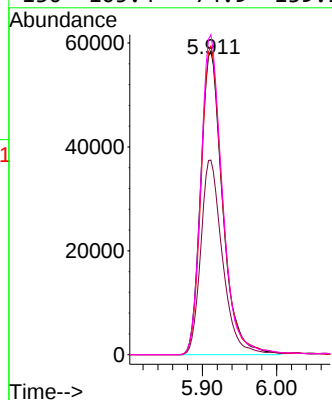
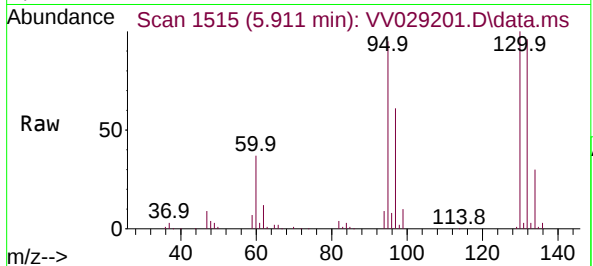




#34
Trichloroethene
Concen: 5.539 ug/L
RT: 5.911 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV029201.D
Acq: 20 Nov 2022 03:47

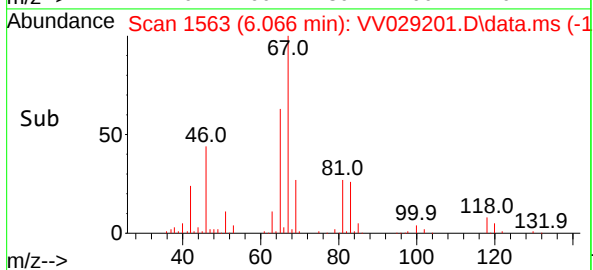
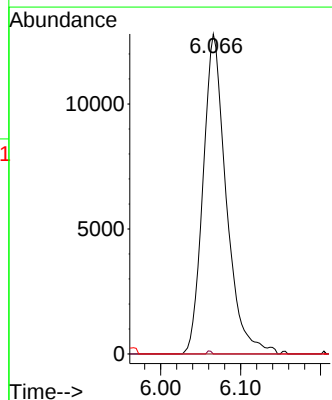
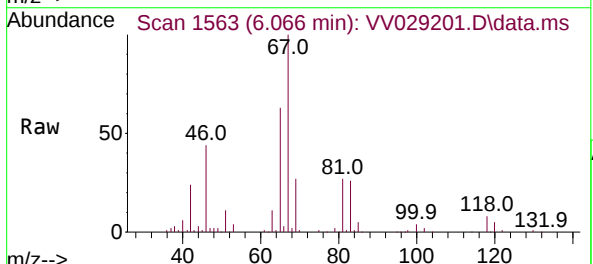
Instrument :
MSVOA_V
ClientSampleId :
BH1G5

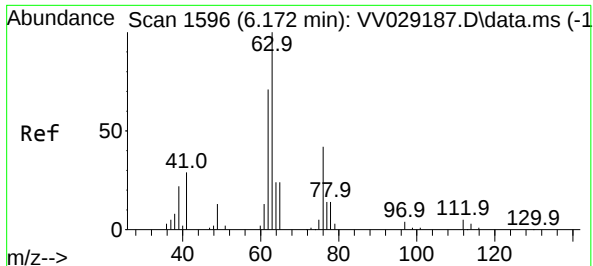
Tgt Ion: 95 Resp: 119777
Ion Ratio Lower Upper
95 100
97 64.1 45.6 84.8
132 101.6 69.1 128.3
130 105.4 74.9 139.1



#35
Methylcyclohexane
Concen: 0.679 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.064 min
Lab File: VV029201.D
Acq: 20 Nov 2022 03:47

Tgt Ion: 83 Resp: 25809
Ion Ratio Lower Upper
83 100
55 0.2 55.8 83.6#
98 1.6 38.2 57.2#





#37

1,2-Dichloropropane

Concen: 0.580 ug/L

RT: 6.066 min Scan# 11

Delta R.T. -0.106 min

Lab File: VV029201.D

Acq: 20 Nov 2022 03:47

Instrument :

MSVOA_V

ClientSampleId :

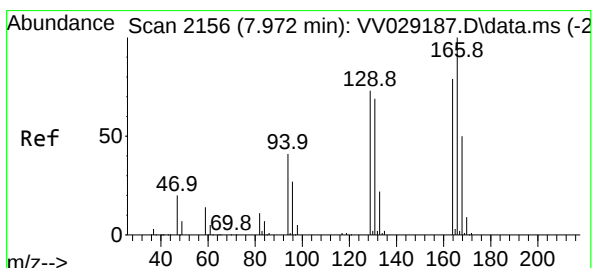
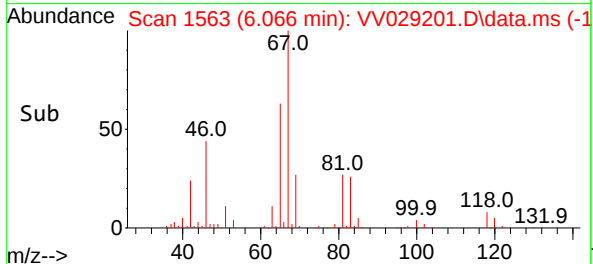
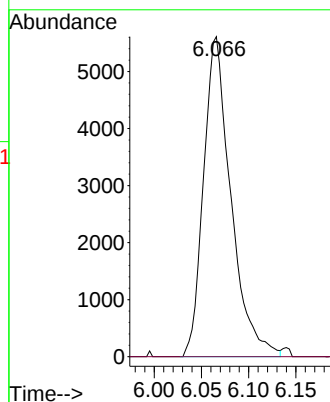
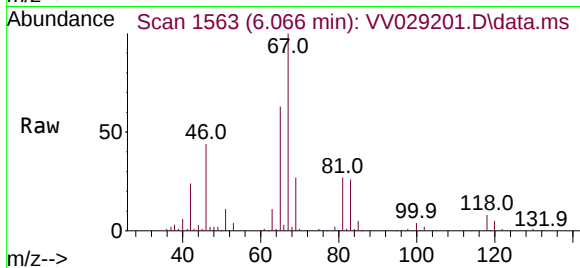
BH1G5

Tgt Ion: 63 Resp: 11298

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#



#47

Tetrachloroethene

Concen: 0.088 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.003 min

Lab File: VV029201.D

Acq: 20 Nov 2022 03:47

Tgt Ion:164 Resp: 1529

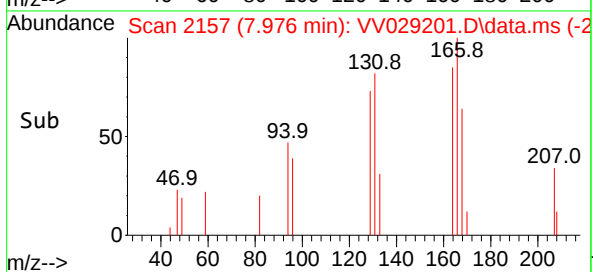
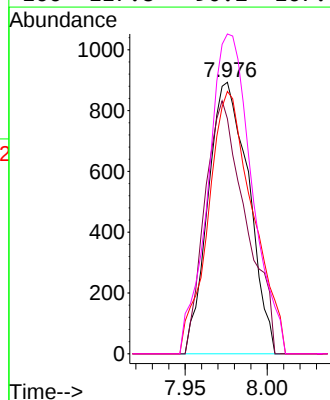
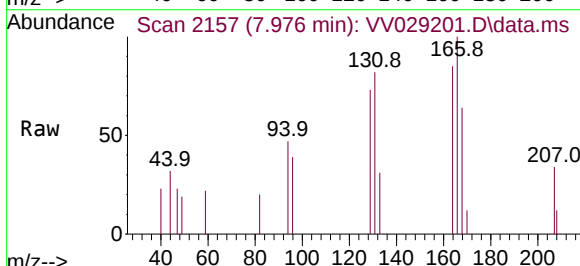
Ion Ratio Lower Upper

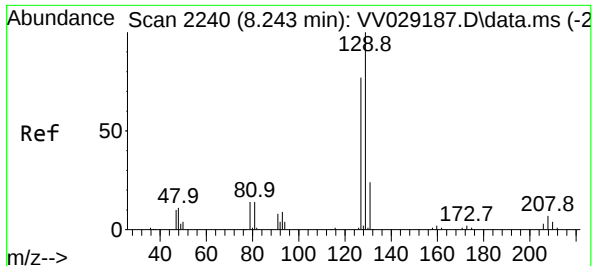
164 100

129 86.6 63.9 118.7

131 96.6 61.8 114.8

166 117.8 90.2 167.4





#49

Dibromochloromethane

Concen: 0.094 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. -0.270 min

Lab File: VV029201.D

Acq: 20 Nov 2022 03:47

Instrument :

MSVOA_V

ClientSampleId :

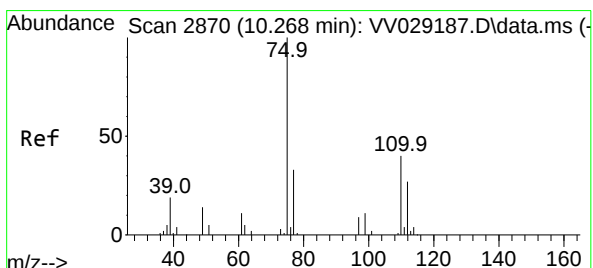
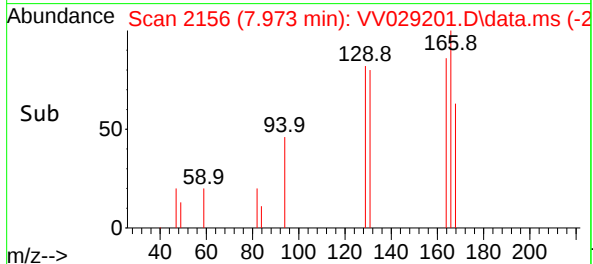
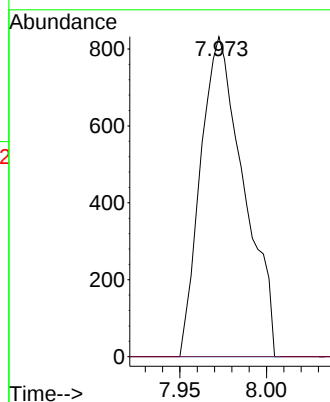
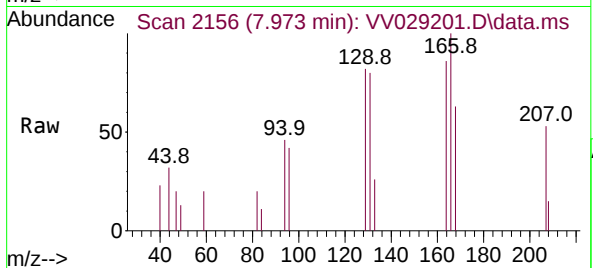
BH1G5

Tgt Ion:129 Resp: 1442

Ion Ratio Lower Upper

129 100

127 0.0 54.5 101.1#



#61

1,2,3-Trichloropropane

Concen: 1.502 ug/L

RT: 11.242 min Scan# 3173

Delta R.T. 0.974 min

Lab File: VV029201.D

Acq: 20 Nov 2022 03:47

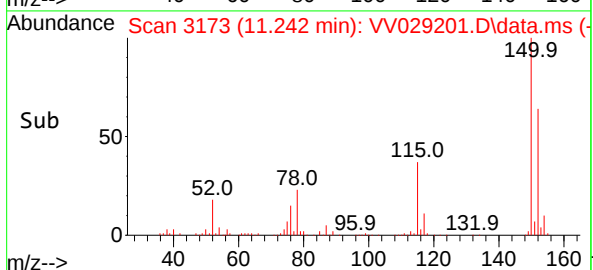
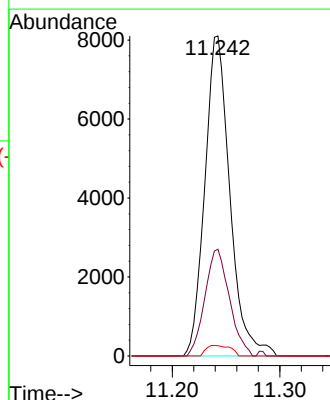
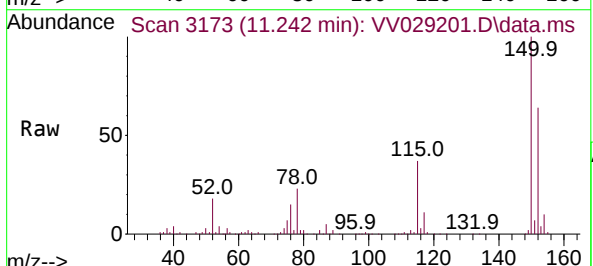
Tgt Ion: 75 Resp: 13103

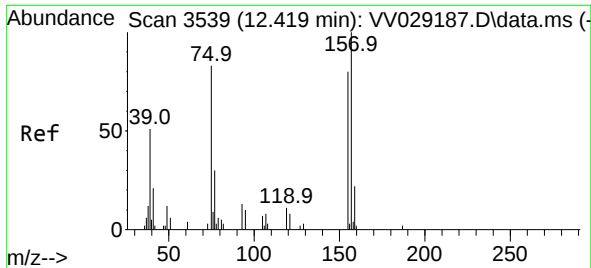
Ion Ratio Lower Upper

75 100

77 32.6 26.2 39.2

110 3.2 32.6 48.8#





#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.125 ug/L
 RT: 12.236 min Scan# 34
 Delta R.T. -0.183 min
 Lab File: VV029201.D
 Acq: 20 Nov 2022 03:47

Instrument :
 MSVOA_V
 ClientSampleId :
 BH1G5

Tgt Ion: 75 Resp: 214
 Ion Ratio Lower Upper
 75 100
 155 0.0 64.8 97.2#
 157 0.0 86.3 129.5#

