

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111922\
 Data File : VW029202.D
 Acq On : 20 Nov 2022 04:11
 Operator : SY/MD
 Sample : N5651-03
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BH1G6

Quant Time: Nov 20 05:14:22 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	5.612	114	308594	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	286593	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.242	152	132654	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	90980	4.836	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.800%
7) Chloroethane-d5	1.568	69	76337	4.616	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.400%
11) 1,1-Dichloroethene-d2	2.108	63	124840	3.641	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.800%
20) 2-Butanone-d5	3.895	46	170145	54.027	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.060%
24) Chloroform-d	4.342	84	170828	4.423	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.400%
26) 1,2-Dichloroethane-d4	5.027	65	78702	4.529	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.600%
32) Benzene-d6	5.047	84	352261	4.118	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.400%
36) 1,2-Dichloropropane-d6	6.066	67	106099	4.442	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.800%
41) Toluene-d8	7.310	98	306466	3.980	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.600%
43) trans-1,3-Dichloroprop...	7.622	79	31539	4.048	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.000%
46) 2-Hexanone-d5	8.088	63	139602	41.980	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.960%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	74289	4.486	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.800%
66) 1,2-Dichlorobenzene-d4	11.615	152	110957	4.675	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	2224	0.086	ug/L	91
3) Chloromethane	1.240	50	3857	0.181	ug/L	91
8) Chloroethane	1.474	64	41821	2.922	ug/L #	53
9) Trichlorofluoromethane	1.751	101	1600350	48.737	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	30256	1.627	ug/L	98
12) 1,1-Dichloroethene	2.117	96	14213	0.761	ug/L #	1
17) Methyl tert-butyl Ether	2.764	73	73743	1.841	ug/L	98
18) trans-1,2-Dichloroethene	2.760	96	1715	0.079	ug/L #	74
19) 1,1-Dichloroethane	3.185	63	86777	2.450	ug/L	99
22) cis-1,2-Dichloroethene	3.908	96	115627	5.249	ug/L	99
25) Chloroform	4.371	83	27745	0.747	ug/L	96
29) 1,1,1-Trichloroethane	4.606	97	5117	0.152	ug/L	92
31) Carbon tetrachloride	4.831	117	3991	0.138	ug/L	97
34) Trichloroethene	5.905	95	1425292	63.570	ug/L	98
35) Methylcyclohexane	6.066	83	26677	0.677	ug/L #	24
37) 1,2-Dichloropropane	6.063	63	10875	0.538	ug/L #	85
39) cis-1,3-Dichloropropene	6.985	75	2387	0.085	ug/L #	60
45) 1,1,2-Trichloroethane	7.844	97	1087	0.082	ug/L	88
47) Tetrachloroethene	7.969	164	81112	4.518	ug/L	98

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sun Nov 20 03:53:06 2022
Response via : Initial Calibration

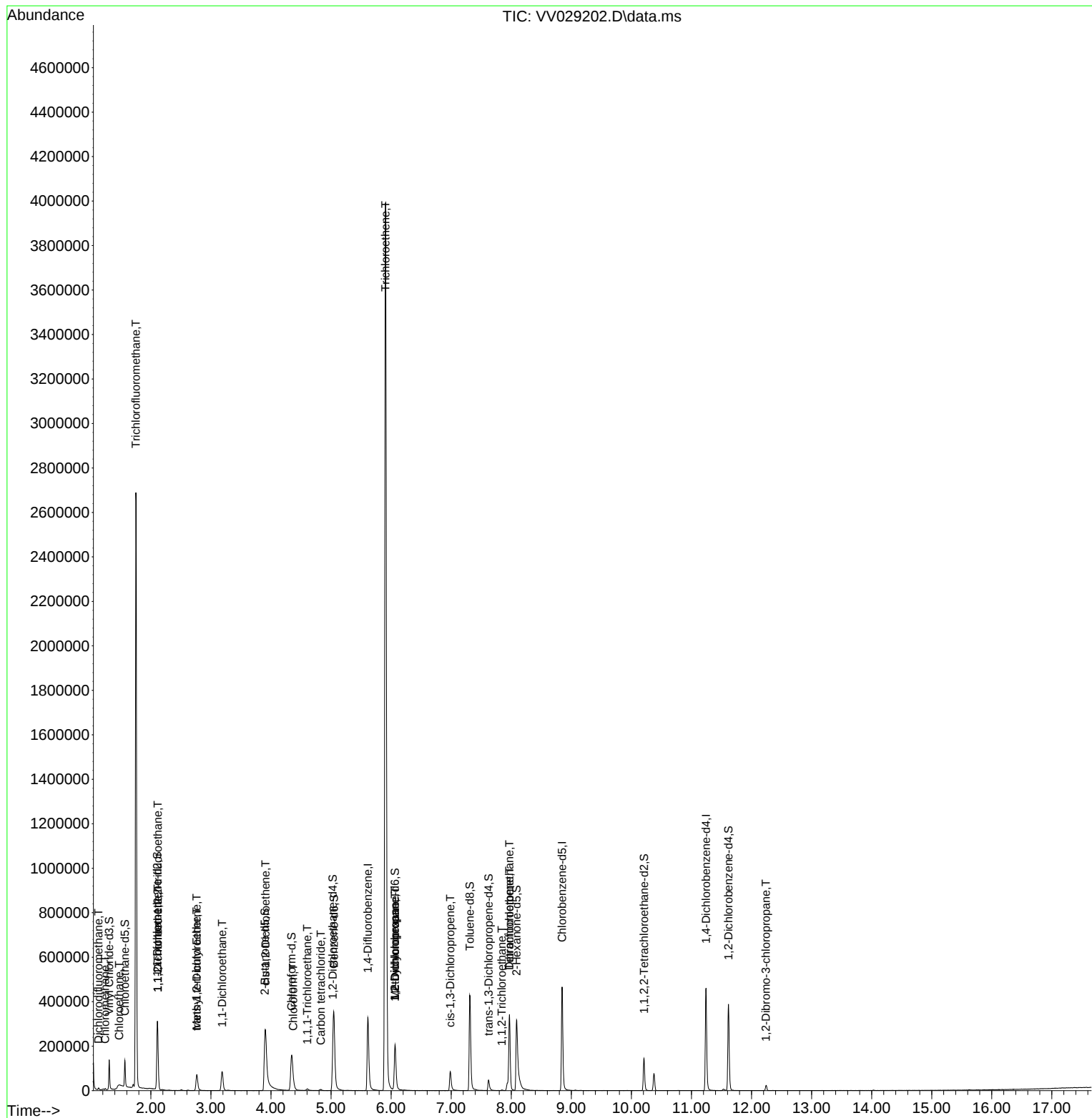
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	7.969	129	70855	4.433	ug/L #	10
68) 1,2-Dibromo-3-chloropr...	12.239	75	691	0.387	ug/L #	15

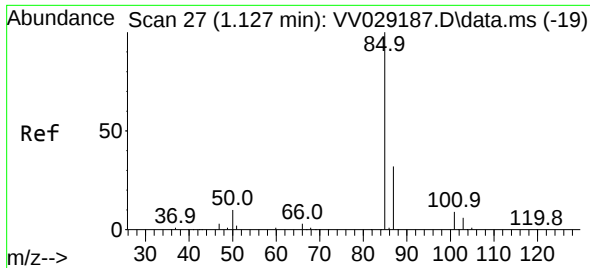
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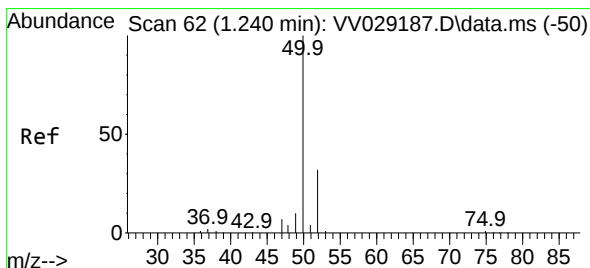
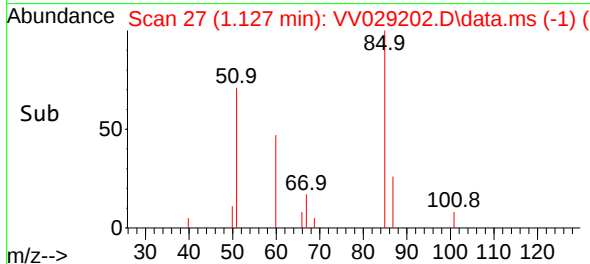
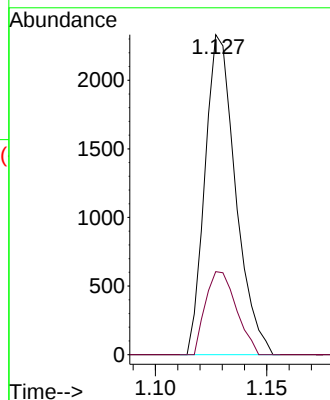
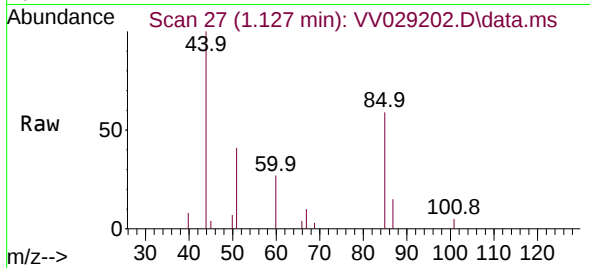




#2
 Dichlorodifluoromethane
 Concen: 0.086 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV029202.D
 Acq: 20 Nov 2022 04:11

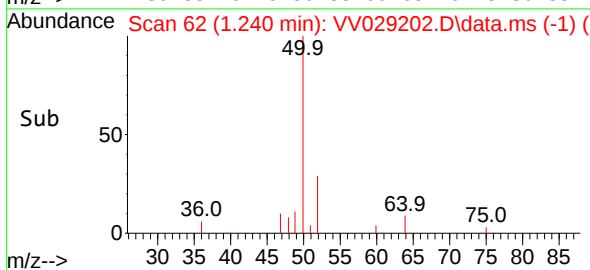
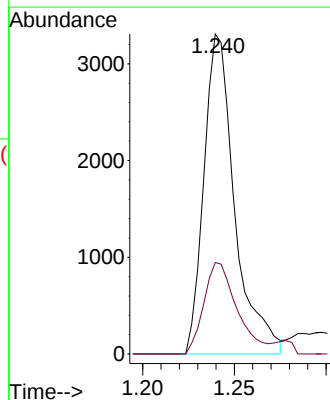
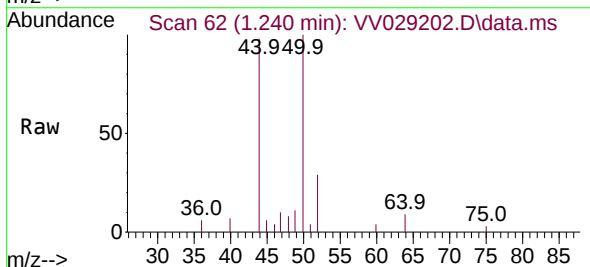
Instrument :
 MSVOA_V
 ClientSampleId :
 BH1G6

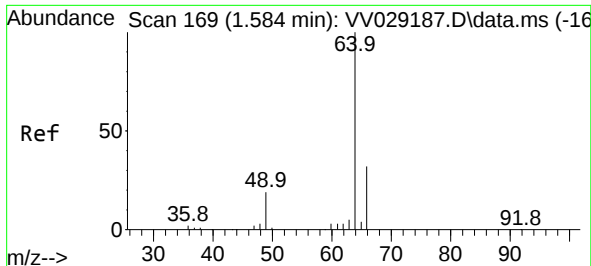
Tgt Ion: 85 Resp: 2224
 Ion Ratio Lower Upper
 85 100
 87 26.1 25.0 37.4



#3
 Chloromethane
 Concen: 0.181 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.000 min
 Lab File: VV029202.D
 Acq: 20 Nov 2022 04:11

Tgt Ion: 50 Resp: 3857
 Ion Ratio Lower Upper
 50 100
 52 28.6 23.7 43.9

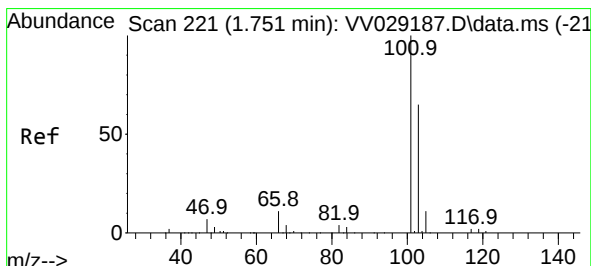
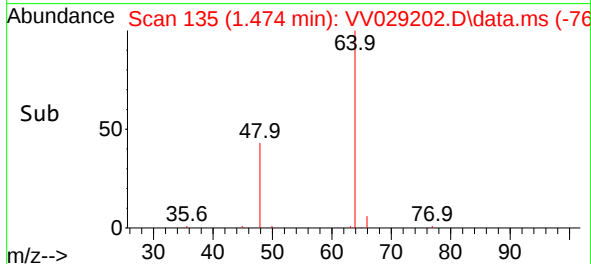
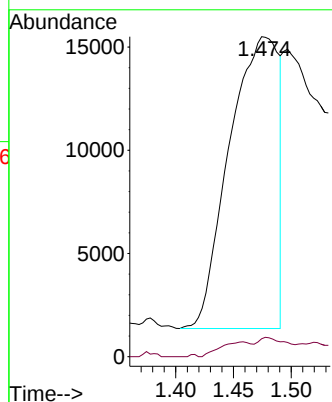
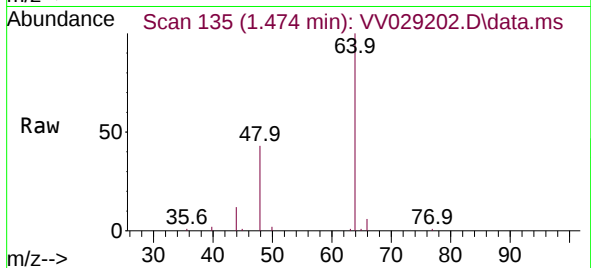




#8
Chloroethane
Concen: 2.922 ug/L
RT: 1.474 min Scan# 11
Delta R.T. -0.109 min
Lab File: VV029202.D
Acq: 20 Nov 2022 04:11

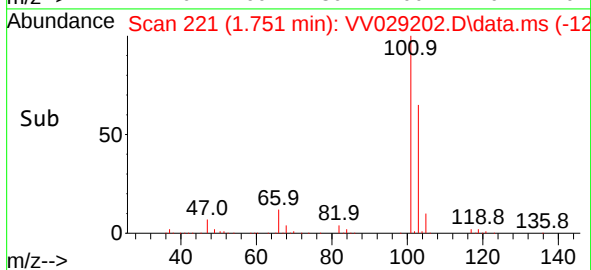
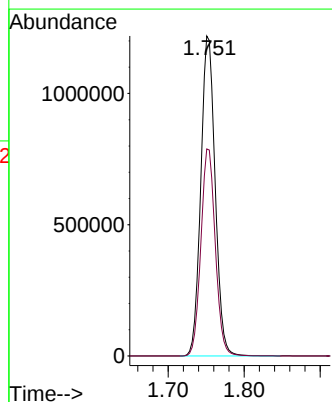
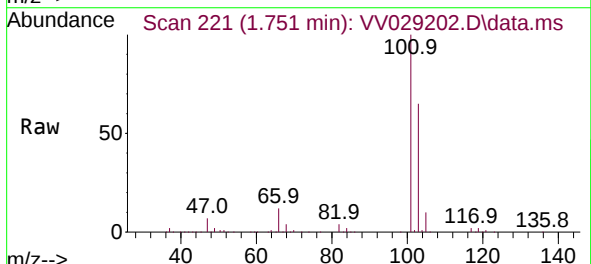
Instrument :
MSVOA_V
ClientSampleId :
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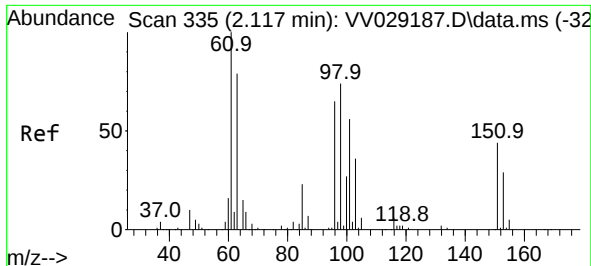
Tgt Ion: 64 Resp: 41821
Ion Ratio Lower Upper
64 100
66 5.6 22.0 40.8#



#9
Trichlorofluoromethane
Concen: 48.737 ug/L
RT: 1.751 min Scan# 221
Delta R.T. -0.000 min
Lab File: VV029202.D
Acq: 20 Nov 2022 04:11

Tgt Ion:101 Resp: 1600350
Ion Ratio Lower Upper
101 100
103 65.0 51.3 76.9

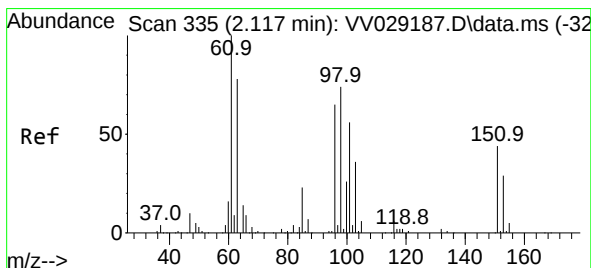
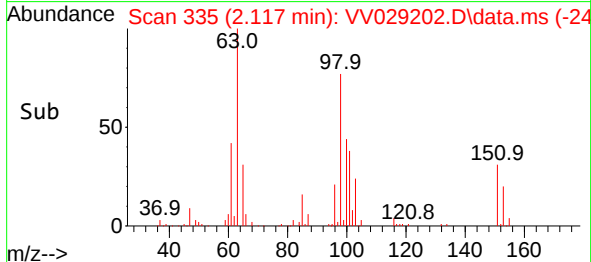
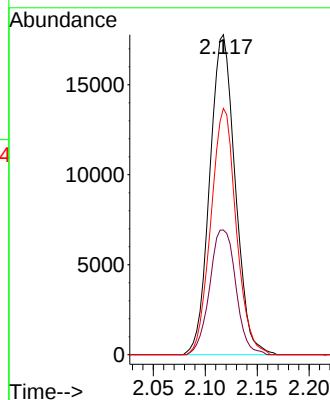
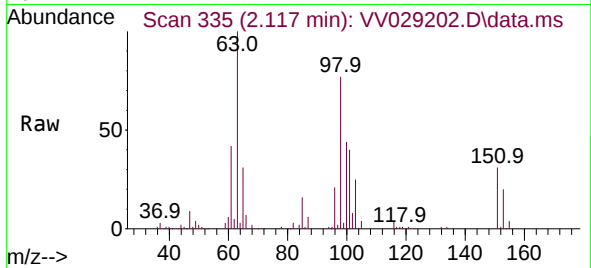




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.627 ug/L
 RT: 2.117 min Scan# 335
 Delta R.T. -0.000 min
 Lab File: VV029202.D
 Acq: 20 Nov 2022 04:11

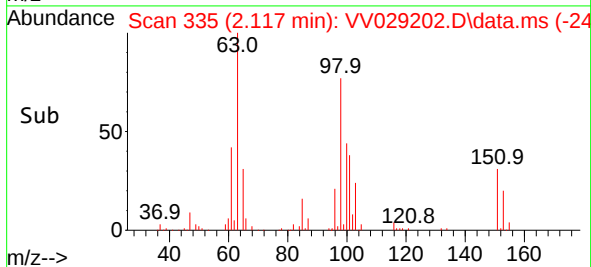
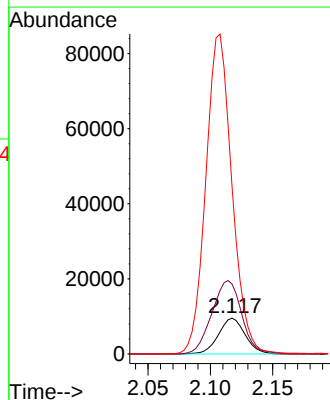
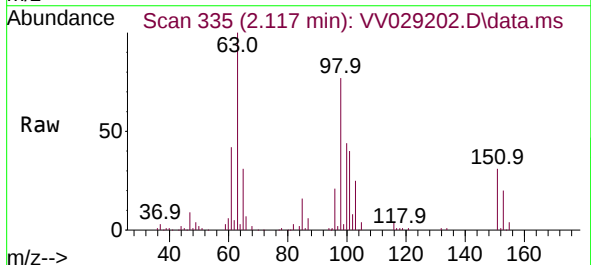
Instrument :
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 ClientSampleId :
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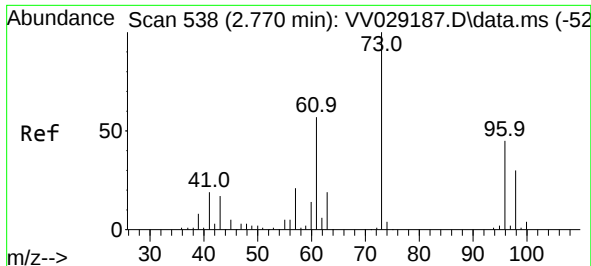
Tgt Ion:101 Resp: 30256
 Ion Ratio Lower Upper
 101 100
 85 40.1 32.9 49.3
 151 76.5 62.5 93.7



#12
 1,1-Dichloroethene
 Concen: 0.761 ug/L
 RT: 2.117 min Scan# 335
 Delta R.T. -0.000 min
 Lab File: VV029202.D
 Acq: 20 Nov 2022 04:11

Tgt Ion: 96 Resp: 14213
 Ion Ratio Lower Upper
 96 100
 61 195.4 104.2 193.4#
 63 468.1 75.9 140.9#

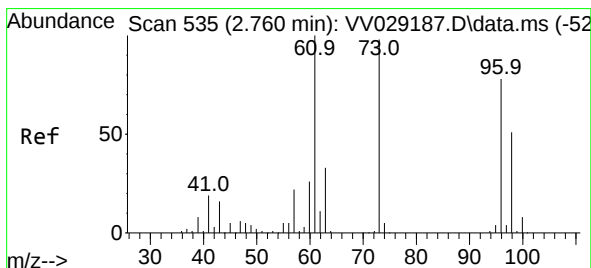
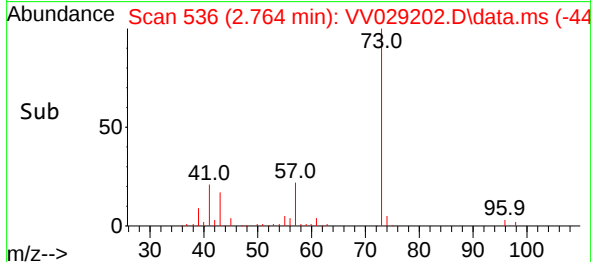
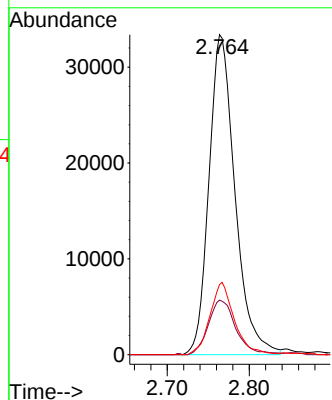
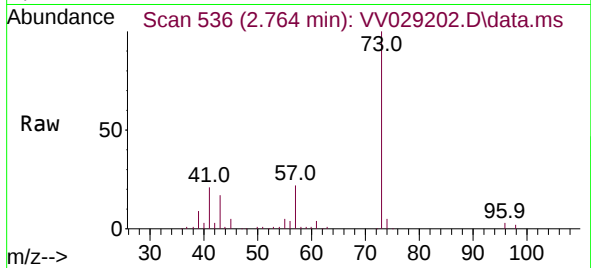




#17
Methyl tert-butyl Ether
Concen: 1.841 ug/L
RT: 2.764 min Scan# 51
Delta R.T. -0.006 min
Lab File: VV029202.D
Acq: 20 Nov 2022 04:11

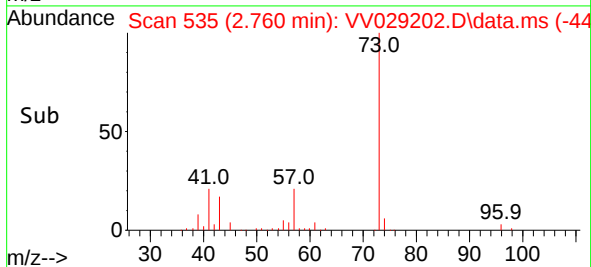
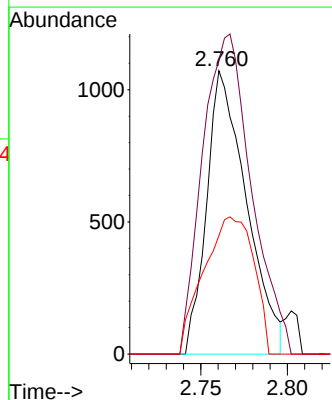
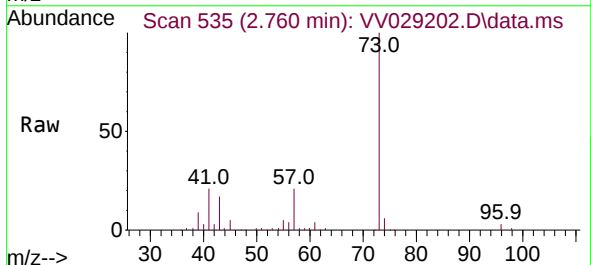
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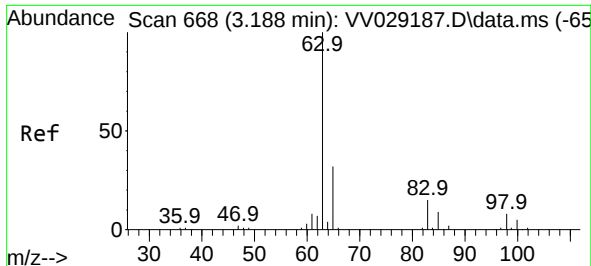
Tgt Ion: 73 Resp: 73743
Ion Ratio Lower Upper
73 100
43 18.1 13.0 19.4
57 21.1 16.6 24.8



#18
trans-1,2-Dichloroethene
Concen: 0.079 ug/L
RT: 2.760 min Scan# 535
Delta R.T. -0.000 min
Lab File: VV029202.D
Acq: 20 Nov 2022 04:11

Tgt Ion: 96 Resp: 1715
Ion Ratio Lower Upper
96 100
61 103.7 91.8 170.6
98 41.8 46.4 86.2#





#19

1,1-Dichloroethane

Concen: 2.450 ug/L

RT: 3.185 min Scan# 6

Delta R.T. -0.003 min

Lab File: VV029202.D

Acq: 20 Nov 2022 04:11

Instrument :

MSVOA_V

ClientSampleId :

BH1G6

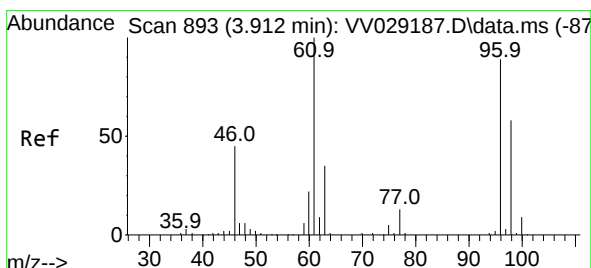
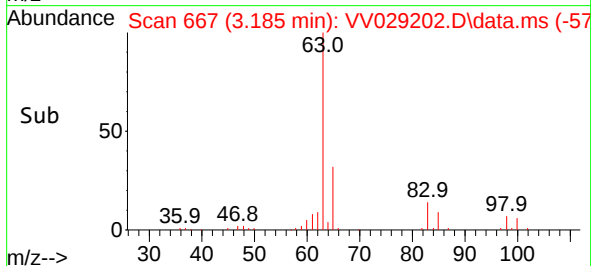
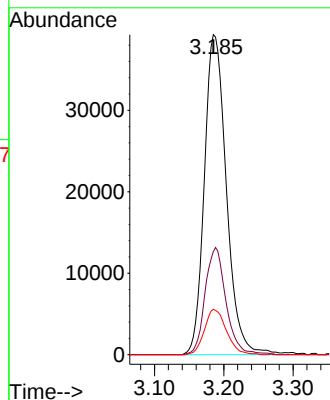
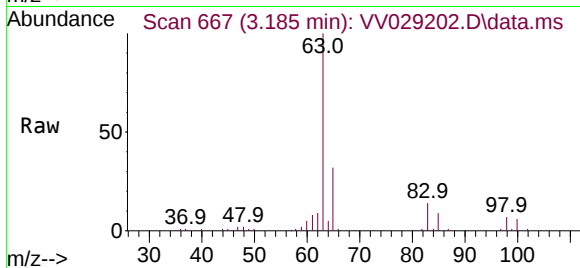
Tgt Ion: 63 Resp: 86777

Ion Ratio Lower Upper

63 100

65 32.3 23.0 42.6

83 14.2 9.4 17.6



#22

cis-1,2-Dichloroethene

Concen: 5.249 ug/L

RT: 3.908 min Scan# 892

Delta R.T. -0.003 min

Lab File: VV029202.D

Acq: 20 Nov 2022 04:11

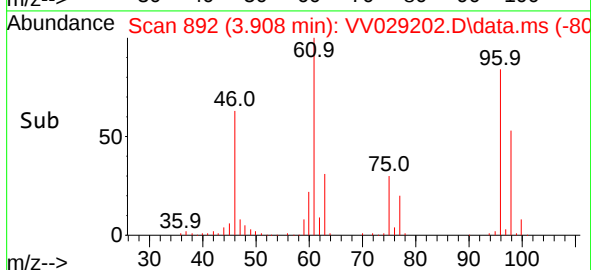
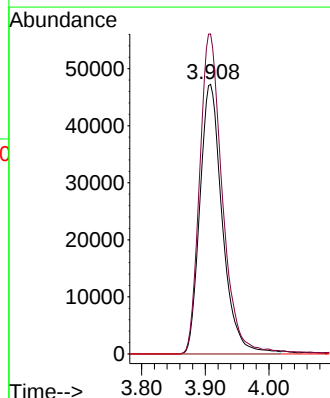
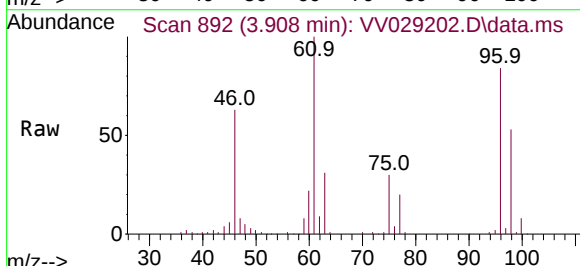
Tgt Ion: 96 Resp: 115627

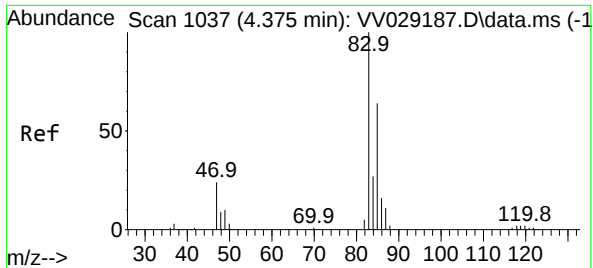
Ion Ratio Lower Upper

96 100

61 118.7 82.3 152.9

68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.747 ug/L

RT: 4.371 min Scan# 1109

Delta R.T. -0.003 min

Lab File: VV029202.D

Acq: 20 Nov 2022 04:11

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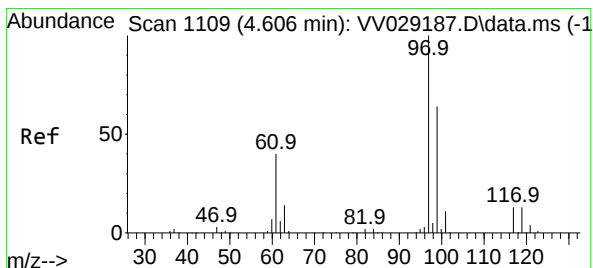
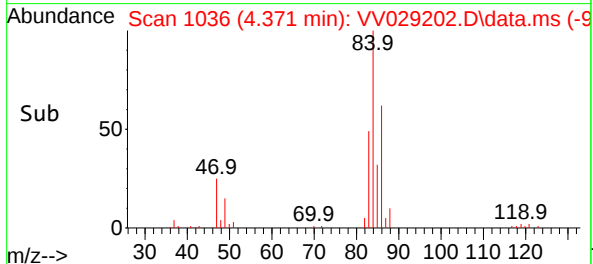
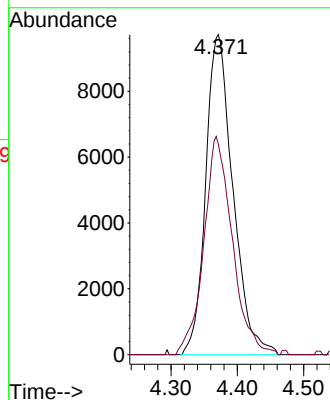
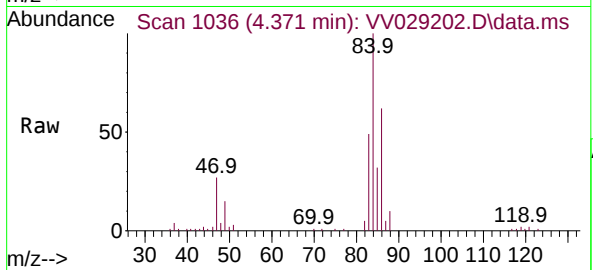
BH1G6

Tgt Ion: 83 Resp: 27745

Ion Ratio Lower Upper

83 100

85 65.8 43.7 81.1



#29

1,1,1-Trichloroethane

Concen: 0.152 ug/L

RT: 4.606 min Scan# 1109

Delta R.T. -0.000 min

Lab File: VV029202.D

Acq: 20 Nov 2022 04:11

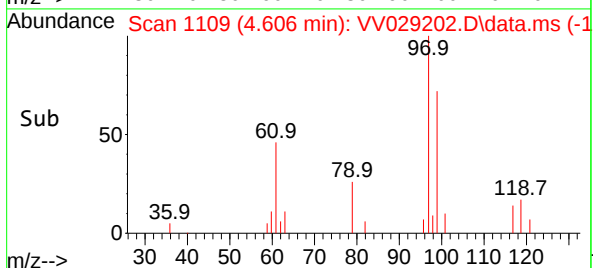
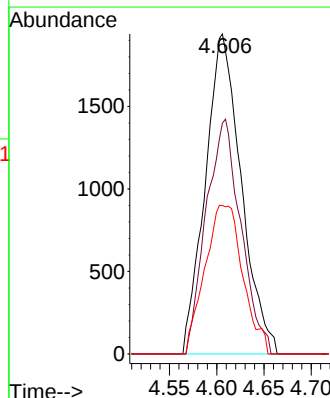
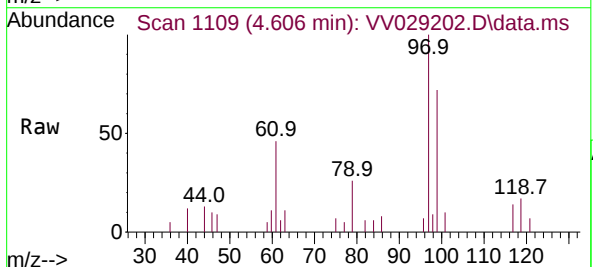
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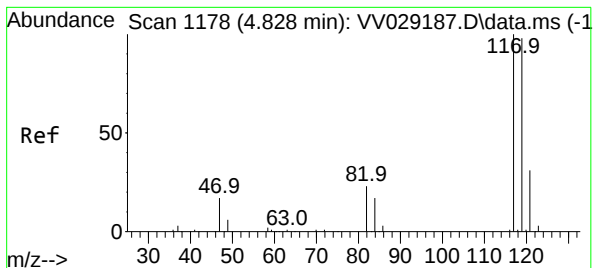
Ion Ratio Lower Upper

97 100

99 71.0 52.7 79.1

61 49.0 33.8 50.6





#31

Carbon tetrachloride

Concen: 0.138 ug/L

RT: 4.831 min Scan# 1178

Delta R.T. 0.003 min

Lab File: VV029202.D

Acq: 20 Nov 2022 04:11

Instrument :

MSVOA_V

ClientSampleId :

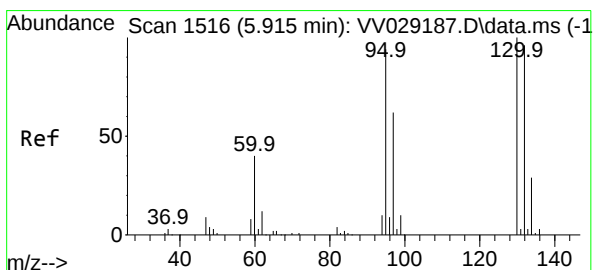
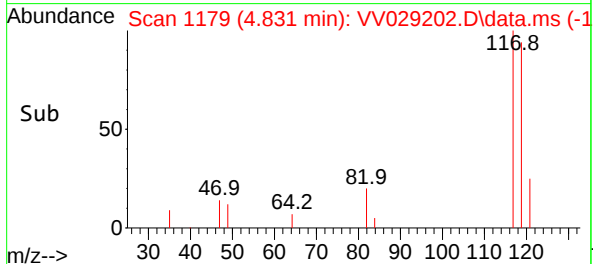
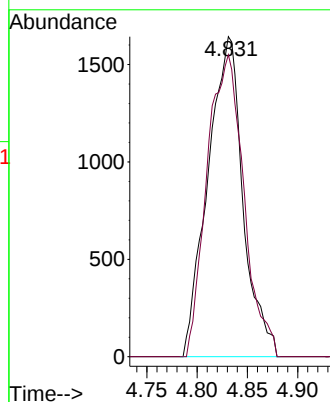
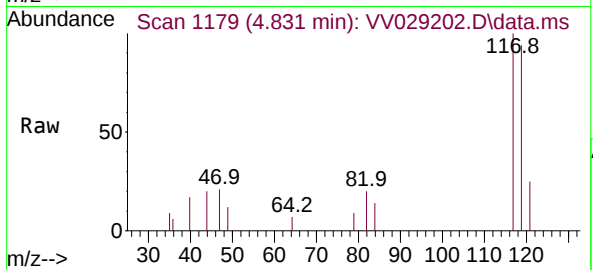
BH1G6

Tgt Ion:117 Resp: 3991

Ion Ratio Lower Upper

117 100

119 98.7 77.0 115.6



#34

Trichloroethene

Concen: 63.570 ug/L

RT: 5.905 min Scan# 1513

Delta R.T. -0.010 min

Lab File: VV029202.D

Acq: 20 Nov 2022 04:11

Tgt Ion: 95 Resp: 1425292

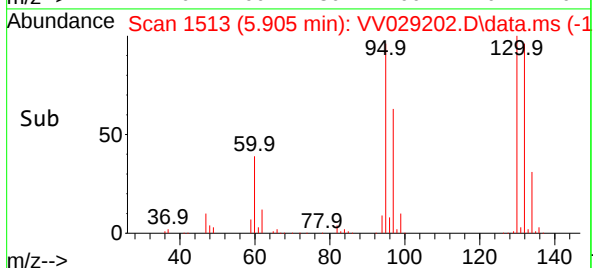
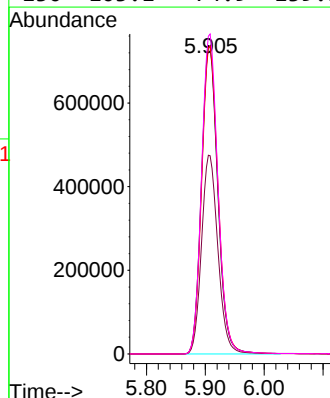
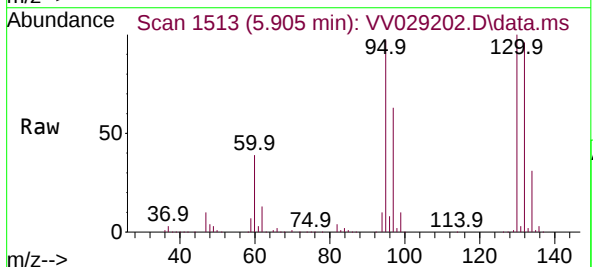
Ion Ratio Lower Upper

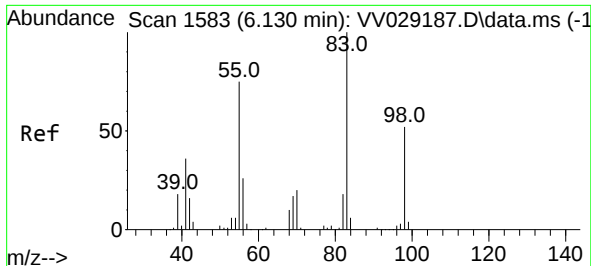
95 100

97 64.5 45.6 84.8

132 99.3 69.1 128.3

130 103.1 74.9 139.1

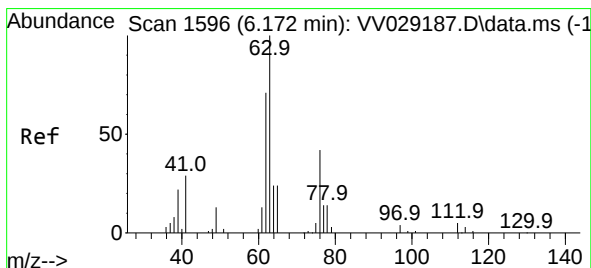
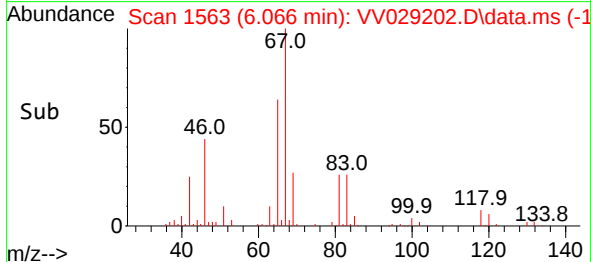
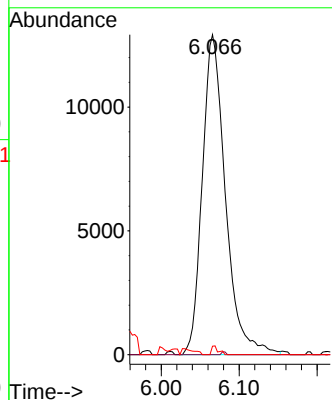
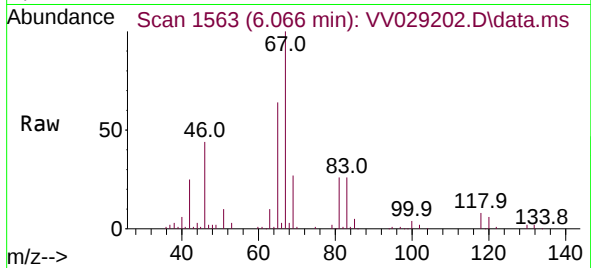




#35
Methylcyclohexane
Concen: 0.677 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.064 min
Lab File: VV029202.D
Acq: 20 Nov 2022 04:11

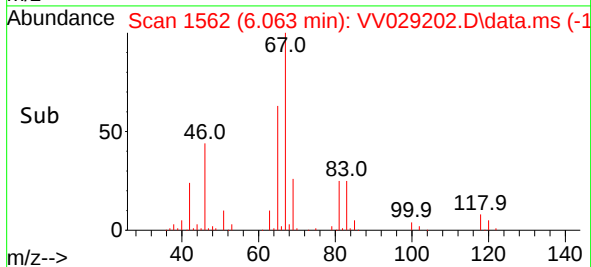
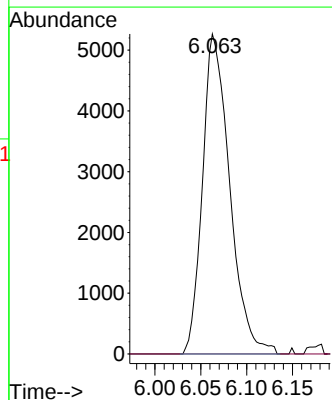
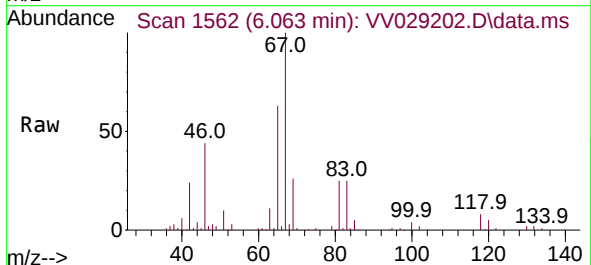
Instrument :
MSVOA_V
ClientSampleId :
BH1G6

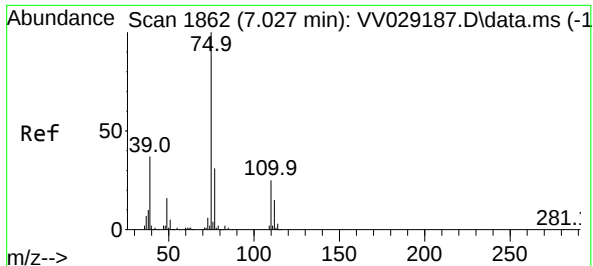
Tgt Ion: 83 Resp: 26677
Ion Ratio Lower Upper
83 100
55 0.2 55.8 83.6#
98 6.0 38.2 57.2#



#37
1,2-Dichloropropane
Concen: 0.538 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. -0.109 min
Lab File: VV029202.D
Acq: 20 Nov 2022 04:11

Tgt Ion: 63 Resp: 10875
Ion Ratio Lower Upper
63 100
112 0.0 4.0 6.0#





#39

cis-1,3-Dichloropropene

Concen: 0.085 ug/L

RT: 6.985 min Scan# 11

Delta R.T. -0.042 min

Lab File: VV029202.D

Acq: 20 Nov 2022 04:11

Instrument :

MSVOA_V

ClientSampleId :

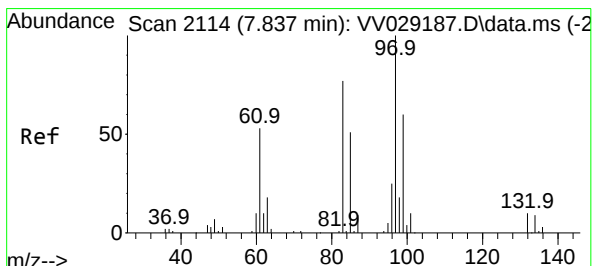
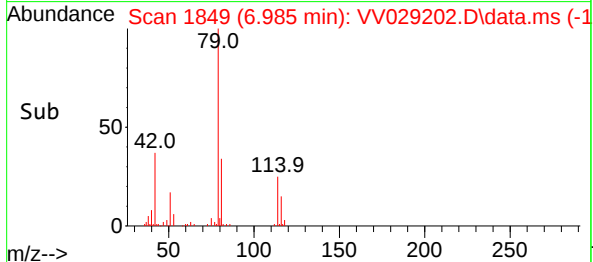
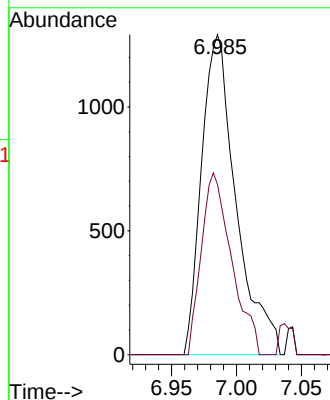
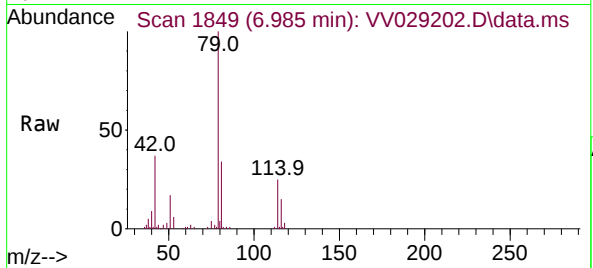
BH1G6

Tgt Ion: 75 Resp: 2387

Ion Ratio Lower Upper

75 100

77 53.2 21.8 40.6#



#45

1,1,2-Trichloroethane

Concen: 0.082 ug/L

RT: 7.844 min Scan# 2116

Delta R.T. 0.006 min

Lab File: VV029202.D

Acq: 20 Nov 2022 04:11

Tgt Ion: 97 Resp: 1087

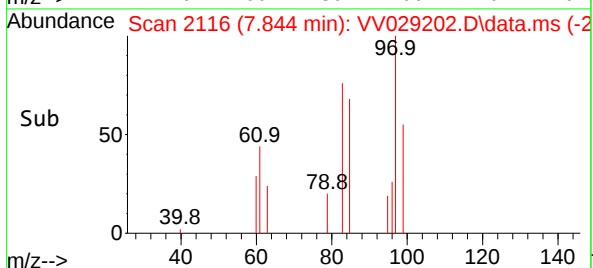
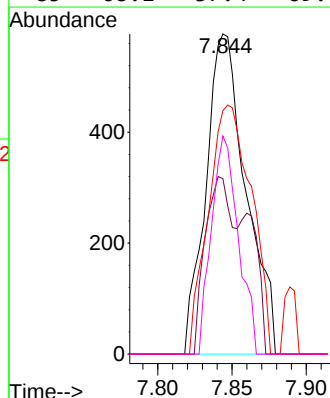
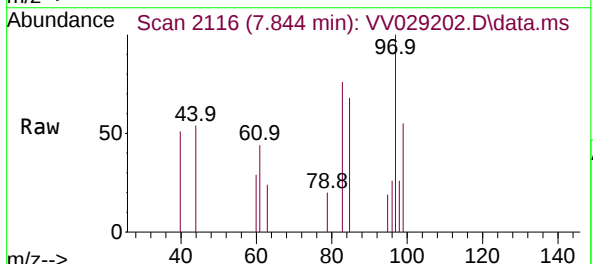
Ion Ratio Lower Upper

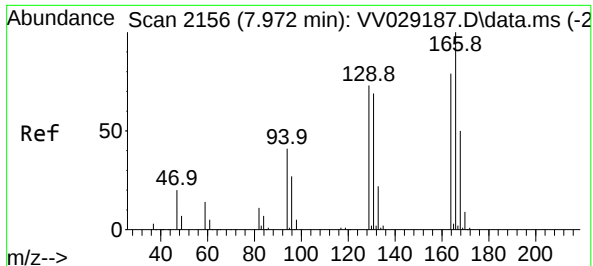
97 100

99 54.8 41.5 77.1

83 76.1 60.0 111.4

85 68.1 37.4 69.4

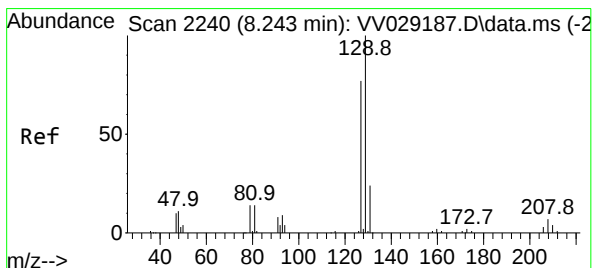
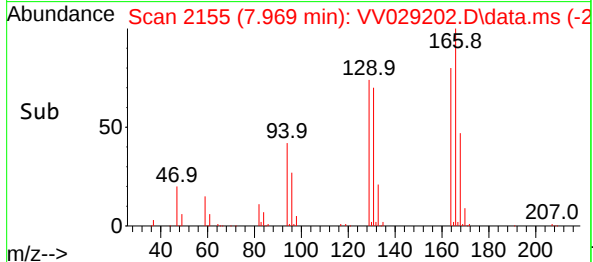
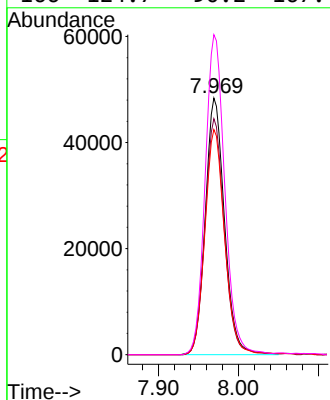
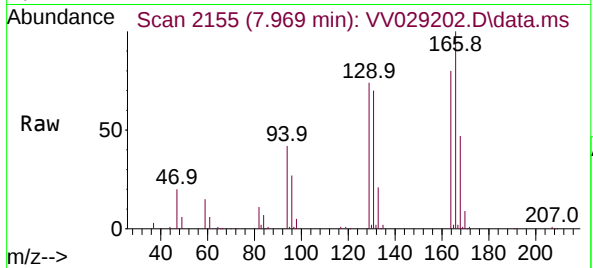




#47
Tetrachloroethene
Concen: 4.518 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. -0.003 min
Lab File: VV029202.D
Acq: 20 Nov 2022 04:11

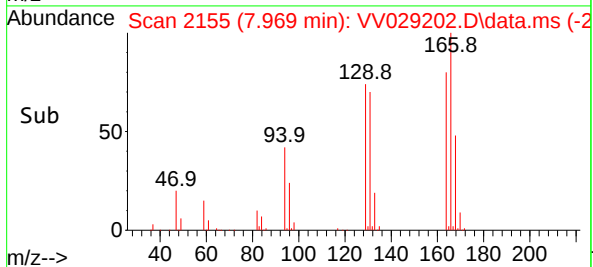
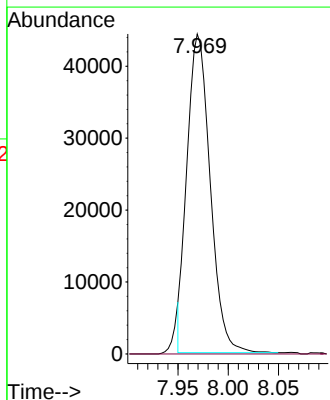
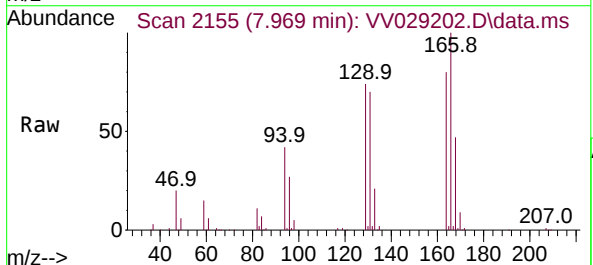
Instrument :
MSVOA_V
ClientSampleId :
BH1G6

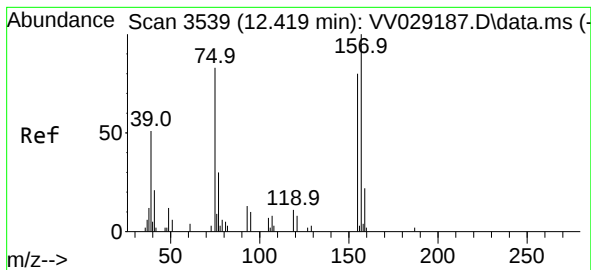
Tgt Ion:164	Resp:	81112
Ion Ratio	Lower	Upper
164	100	
129	92.0	63.9 118.7
131	87.8	61.8 114.8
166	124.7	90.2 167.4



#49
Dibromochloromethane
Concen: 4.433 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. -0.273 min
Lab File: VV029202.D
Acq: 20 Nov 2022 04:11

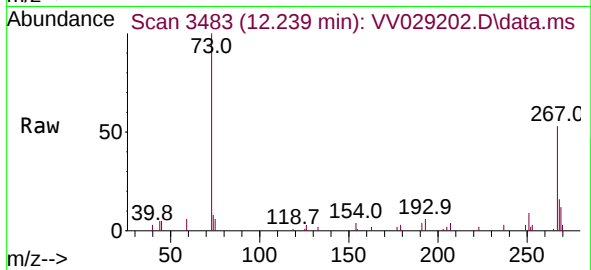
Tgt Ion:129	Resp:	70855
Ion Ratio	Lower	Upper
129	100	
127	0.0	54.5 101.1#





#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.387 ug/L
 RT: 12.239 min Scan# 34
 Delta R.T. -0.180 min
 Lab File: VV029202.D
 Acq: 20 Nov 2022 04:11

Instrument :
 MSVOA_V
 ClientSampleId :
 BH1G6



Tgt Ion: 75 Resp: 691
 Ion Ratio Lower Upper
 75 100
 155 26.2 64.8 97.2#
 157 0.0 86.3 129.5#

