

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW072022\
 Data File : VW026849.D
 Acq On : 20 Jul 2022 15:07
 Operator : SY/MD
 Sample : N3802-01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GBHW6

Quant Time: Jul 21 01:50:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jul 21 01:47:16 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	252262	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	263066	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	108058	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	62276	2.706	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	54.200%
7) Chloroethane-d5	1.561	69	62971	3.167	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	63.400%#
11) 1,1-Dichloroethene-d2	2.101	63	85524	1.936	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	38.800%#
20) 2-Butanone-d5	3.873	46	168923	47.030	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.060%
24) Chloroform-d	4.339	84	151759	3.771	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.400%
26) 1,2-Dichloroethane-d4	5.024	65	69624	3.960	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.200%
32) Benzene-d6	5.043	84	245787	3.075	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	61.400%#
36) 1,2-Dichloropropane-d6	6.063	67	91237	3.807	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	76.200%
41) Toluene-d8	7.310	98	174455	2.459	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	49.200%#
43) trans-1,3-Dichloroprop...	7.622	79	23610	3.011	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	60.200%
46) 2-Hexanone-d5	8.085	63	125068	36.839	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	73.680%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	70338	3.767	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	75.400%
66) 1,2-Dichlorobenzene-d4	11.622	152	71299	3.787	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	75.800%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.124	85	3287	0.102	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	195091	8.552	ug/L	98
12) 1,1-Dichloroethene	2.111	96	6474	0.293	ug/L #	1
16) Methylene chloride	2.500	84	7470	0.284	ug/L	94
17) Methyl tert-butyl Ether	2.764	73	24728	0.649	ug/L	97
18) trans-1,2-Dichloroethene	2.761	96	1175	0.058	ug/L	87
19) 1,1-Dichloroethane	3.185	63	5522	0.149	ug/L	88
22) cis-1,2-Dichloroethene	3.902	96	97242	4.743	ug/L	98
25) Chloroform	4.371	83	2742	0.071	ug/L	98
29) 1,1,1-Trichloroethane	4.600	97	1807	0.051	ug/L #	84
34) Trichloroethene	5.905	95	334786	15.488	ug/L	99
35) Methylcyclohexane	6.063	83	22412	0.679	ug/L #	20
37) 1,2-Dichloropropane	6.063	63	9542	0.454	ug/L #	88
45) 1,1,2-Trichloroethane	7.966	97	1098	0.071	ug/L #	1
47) Tetrachloroethene	7.969	164	135514	7.993	ug/L	98
49) Dibromochloromethane	7.969	129	130115	7.344	ug/L #	10
61) 1,2,3-Trichloropropane	11.246	75	12306	1.235	ug/L #	65
68) 1,2-Dibromo-3-chloropr...	12.246	75	322	0.152	ug/L #	6

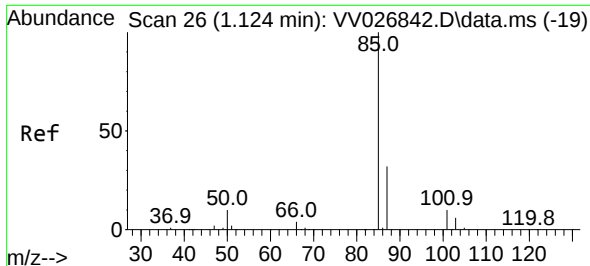
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072022\
Data File : VV026849.D
Acq On : 20 Jul 2022 15:07
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Jul 21 01:47:16 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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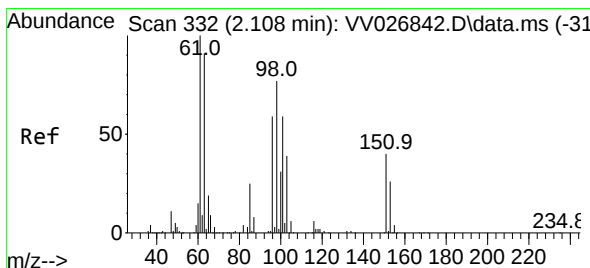
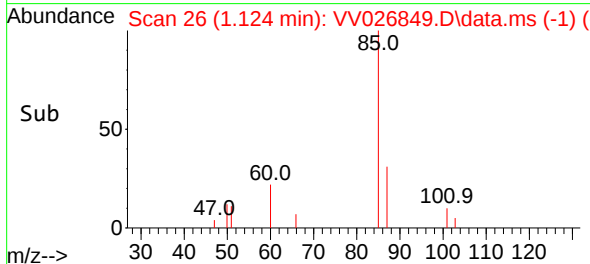
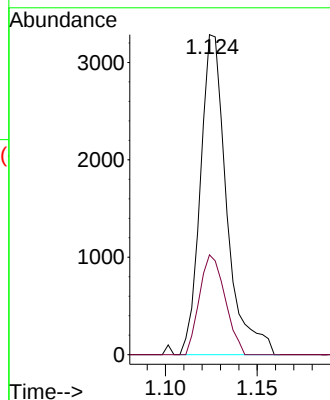
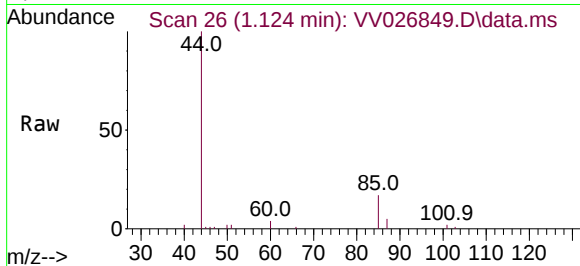
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 0.102 ug/L
 RT: 1.124 min Scan# 2
 Delta R.T. -0.000 min
 Lab File: VV026849.D
 Acq: 20 Jul 2022 15:07

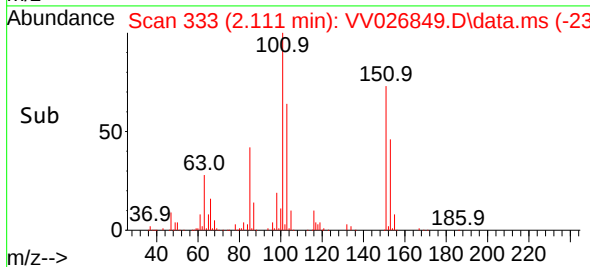
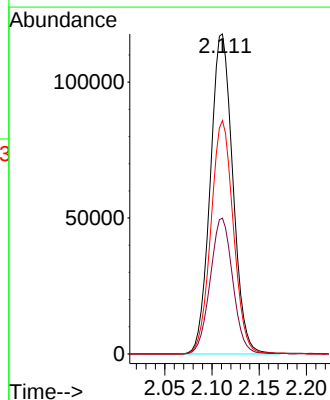
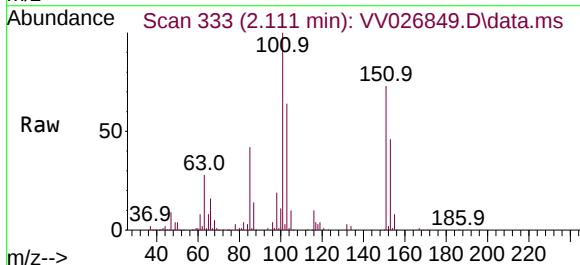
Instrument :
 MSVOA_V
 ClientSampleId :
 GBHW6

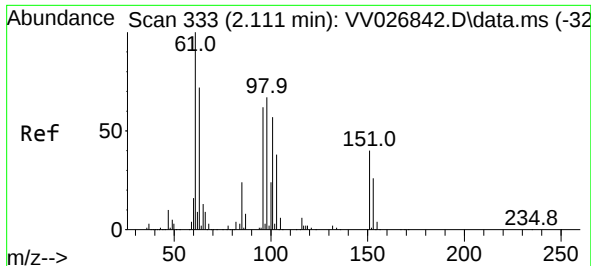
Tgt Ion: 85 Resp: 3287
 Ion Ratio Lower Upper
 85 100
 87 30.2 25.8 38.8



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 8.552 ug/L
 RT: 2.111 min Scan# 333
 Delta R.T. 0.003 min
 Lab File: VV026849.D
 Acq: 20 Jul 2022 15:07

Tgt Ion: 101 Resp: 195091
 Ion Ratio Lower Upper
 101 100
 85 42.5 35.0 52.4
 151 72.5 56.7 85.1





#12

1,1-Dichloroethene

Concen: 0.293 ug/L

RT: 2.111 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV026849.D

Acq: 20 Jul 2022 15:07

Instrument :

MSVOA_V

ClientSampleId :

GBHW6

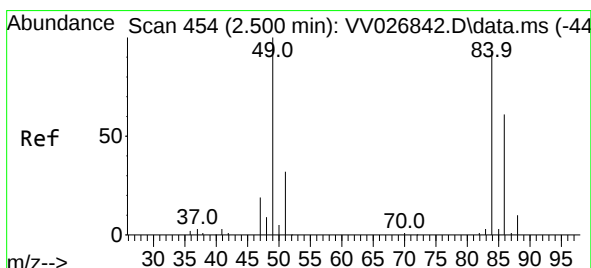
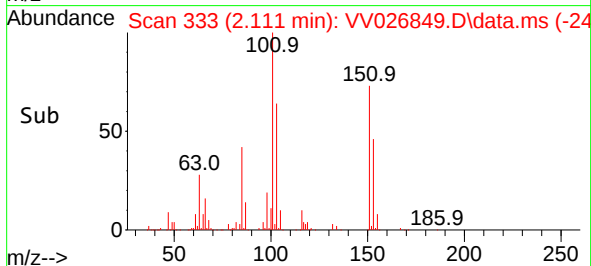
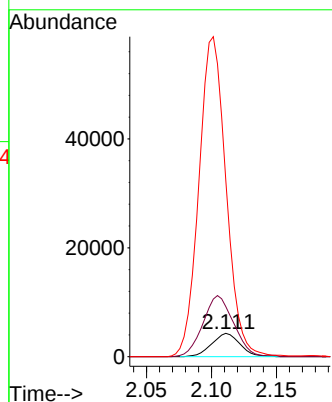
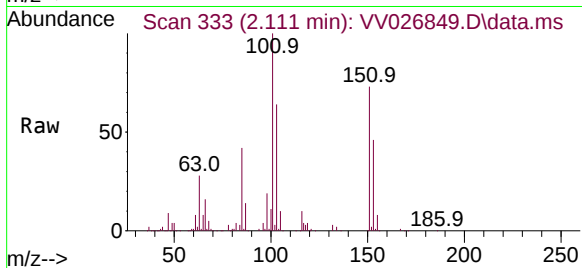
Tgt Ion: 96 Resp: 6474

Ion Ratio Lower Upper

96 100

61 214.8 118.3 219.7

63 756.6 79.9 148.3#



#16

Methylene chloride

Concen: 0.284 ug/L

RT: 2.500 min Scan# 454

Delta R.T. -0.000 min

Lab File: VV026849.D

Acq: 20 Jul 2022 15:07

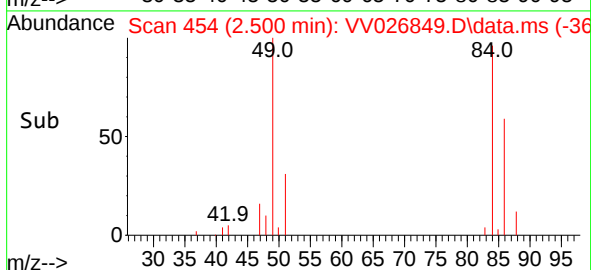
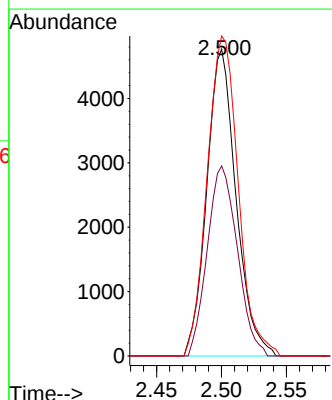
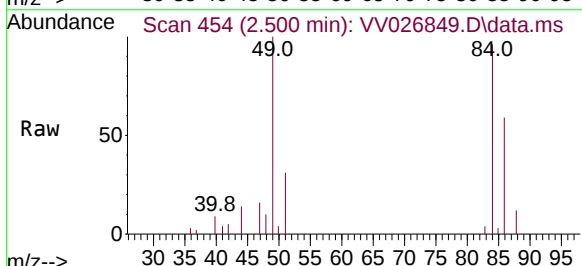
Tgt Ion: 84 Resp: 7470

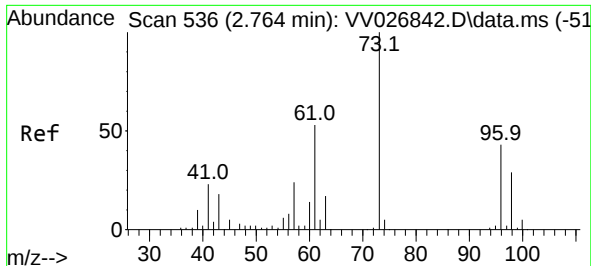
Ion Ratio Lower Upper

84 100

86 61.9 44.8 83.2

49 104.3 78.7 146.1





#17

Methyl tert-butyl Ether

Concen: 0.649 ug/L

RT: 2.764 min Scan# 51

Delta R.T. -0.000 min

Lab File: VV026849.D

Acq: 20 Jul 2022 15:07

Instrument :

MSVOA_V

ClientSampleId :

GBHW6

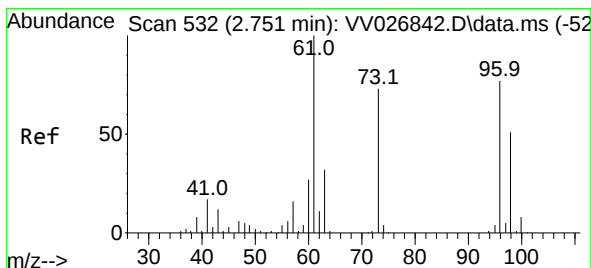
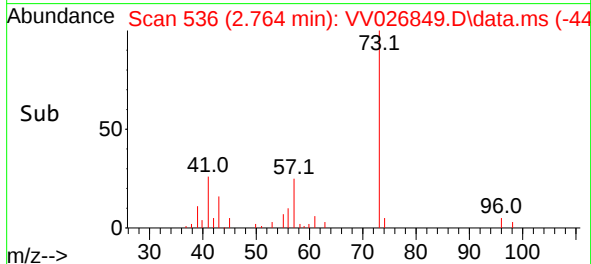
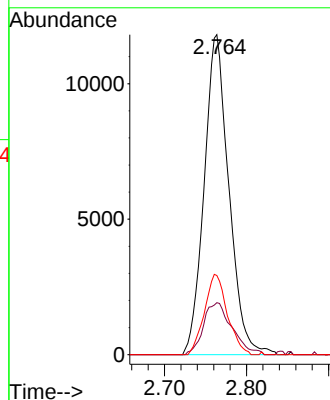
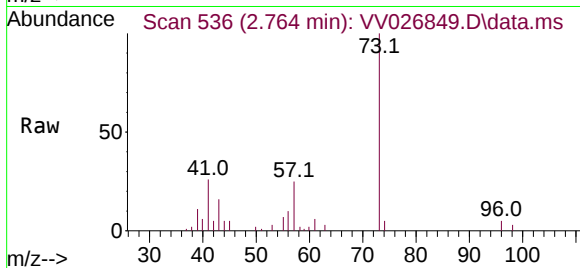
Tgt Ion: 73 Resp: 24728

Ion Ratio Lower Upper

73 100

43 18.8 14.0 21.0

57 23.2 17.6 26.4



#18

trans-1,2-Dichloroethene

Concen: 0.058 ug/L

RT: 2.761 min Scan# 535

Delta R.T. 0.010 min

Lab File: VV026849.D

Acq: 20 Jul 2022 15:07

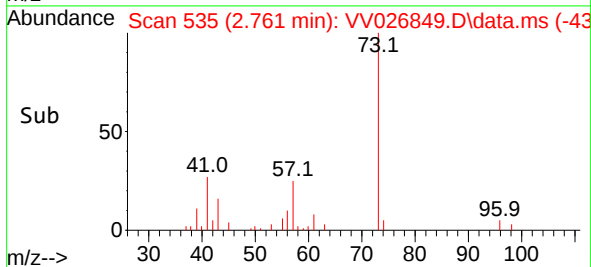
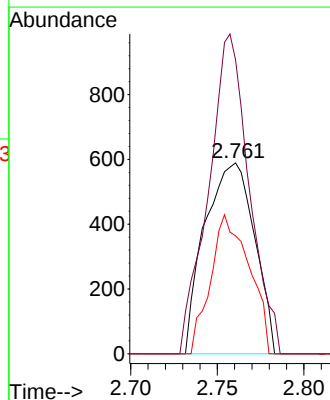
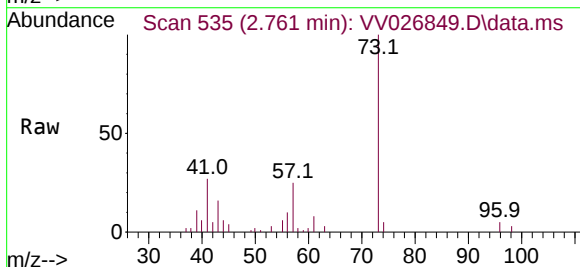
Tgt Ion: 96 Resp: 1175

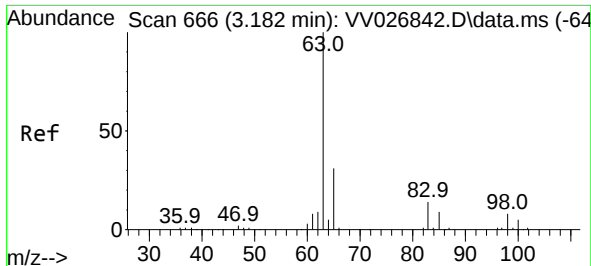
Ion Ratio Lower Upper

96 100

61 154.0 94.7 175.9

98 61.8 47.4 88.0





#19

1,1-Dichloroethane

Concen: 0.149 ug/L

RT: 3.185 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV026849.D

Acq: 20 Jul 2022 15:07

Instrument :

MSVOA_V

ClientSampleId :

GBHW6

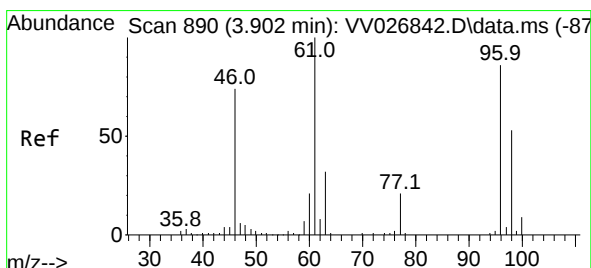
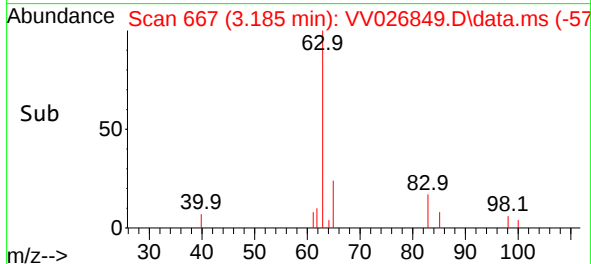
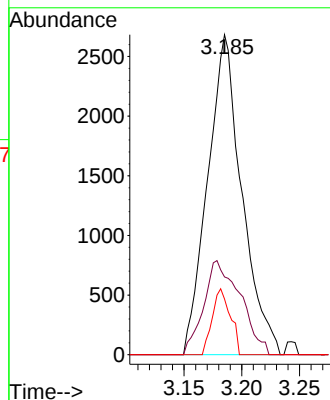
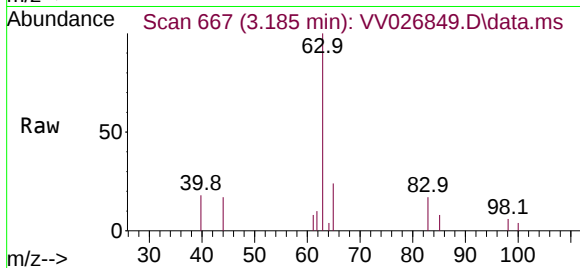
Tgt Ion: 63 Resp: 5522

Ion Ratio Lower Upper

63 100

65 24.3 22.3 41.3

83 17.4 9.9 18.5



#22

cis-1,2-Dichloroethene

Concen: 4.743 ug/L

RT: 3.902 min Scan# 890

Delta R.T. -0.000 min

Lab File: VV026849.D

Acq: 20 Jul 2022 15:07

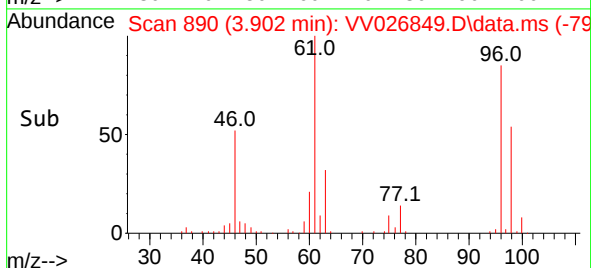
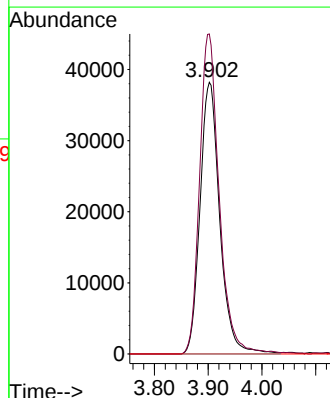
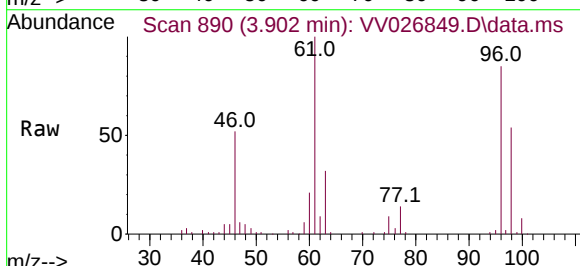
Tgt Ion: 96 Resp: 97242

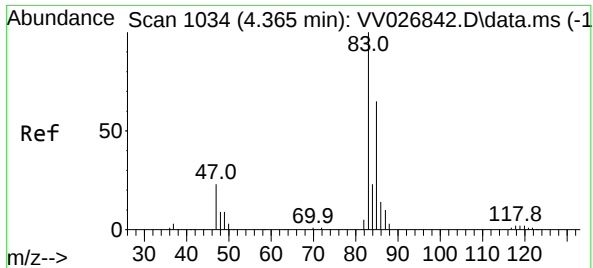
Ion Ratio Lower Upper

96 100

61 117.8 83.9 155.9

68 0.0 0.0 0.0

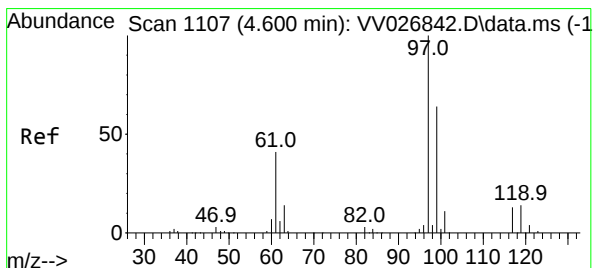
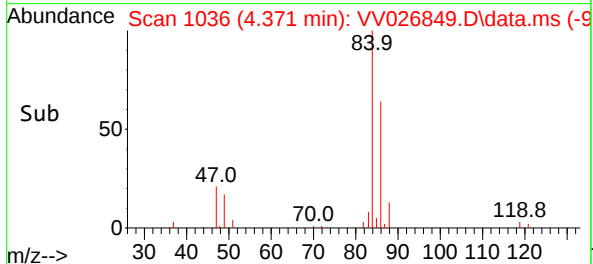
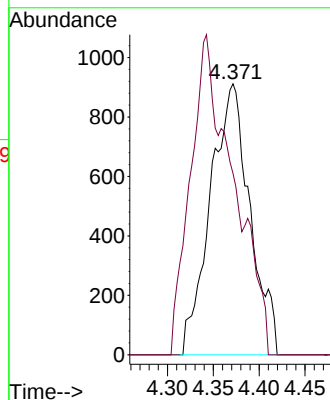
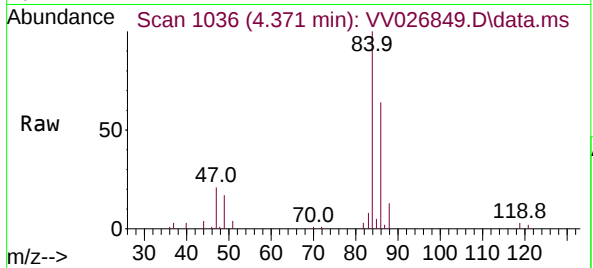




#25
Chloroform
Concen: 0.071 ug/L
RT: 4.371 min Scan# 1036
Delta R.T. 0.006 min
Lab File: VV026849.D
Acq: 20 Jul 2022 15:07

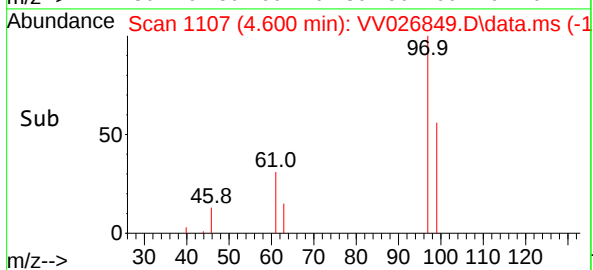
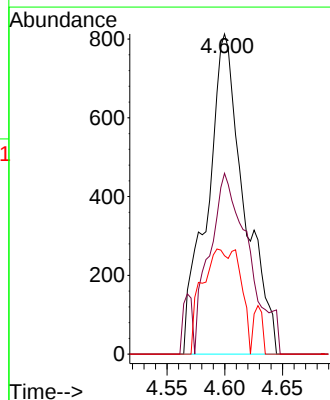
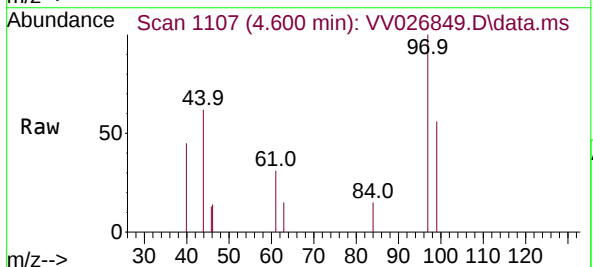
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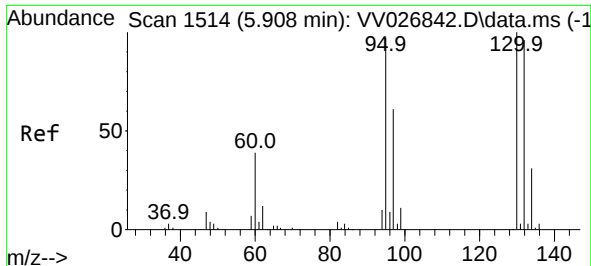
Tgt Ion: 83 Resp: 2742
Ion Ratio Lower Upper
83 100
85 66.9 45.7 84.9



#29
1,1,1-Trichloroethane
Concen: 0.051 ug/L
RT: 4.600 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VV026849.D
Acq: 20 Jul 2022 15:07

Tgt Ion: 97 Resp: 1807
Ion Ratio Lower Upper
97 100
99 60.4 51.3 76.9
61 23.3 35.1 52.7#

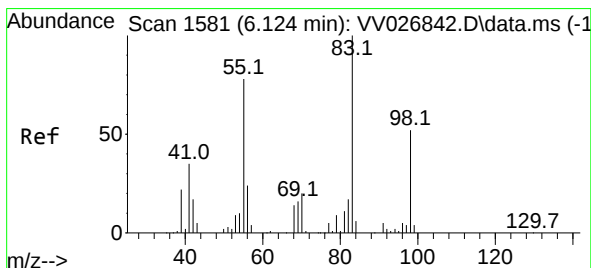
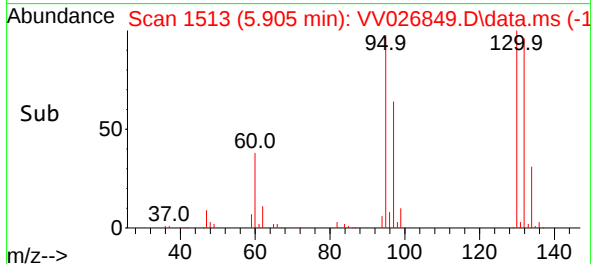
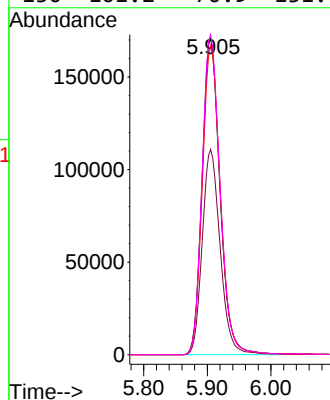
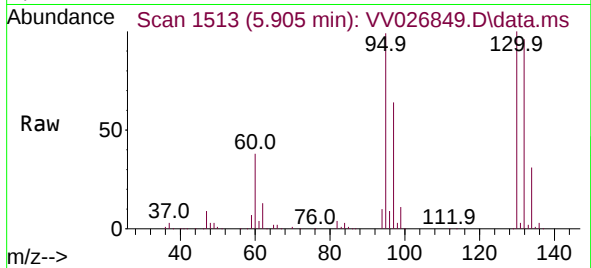




#34
Trichloroethene
Concen: 15.488 ug/L
RT: 5.905 min Scan# 1513
Delta R.T. -0.003 min
Lab File: VV026849.D
Acq: 20 Jul 2022 15:07

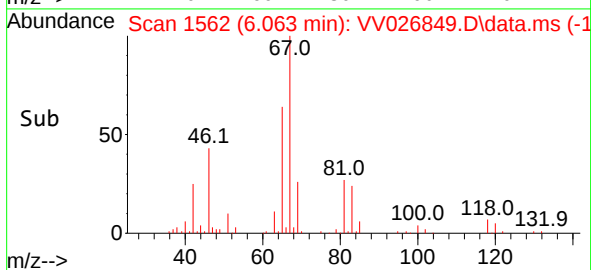
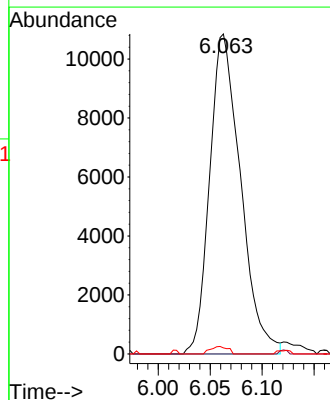
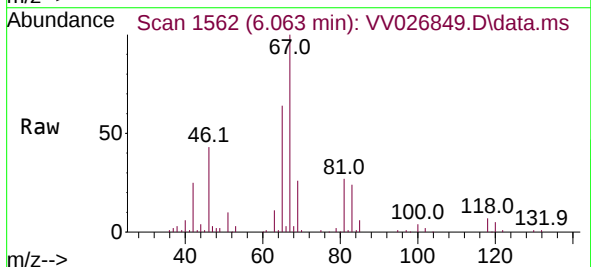
Instrument :
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ClientSampleId :
GBHW6

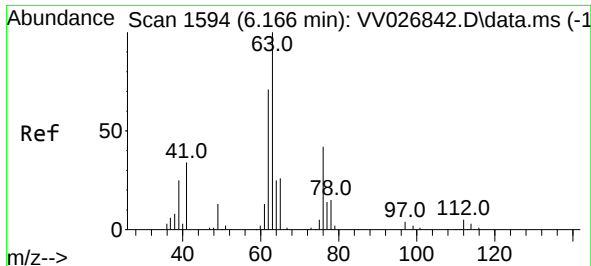
Tgt Ion: 95 Resp: 334786
Ion Ratio Lower Upper
95 100
97 64.9 44.6 82.8
132 97.6 70.2 130.4
130 101.2 70.9 131.7



#35
Methylcyclohexane
Concen: 0.679 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. -0.061 min
Lab File: VV026849.D
Acq: 20 Jul 2022 15:07

Tgt Ion: 83 Resp: 22412
Ion Ratio Lower Upper
83 100
55 0.3 59.5 89.3#
98 1.3 38.3 57.5#





#37

1,2-Dichloropropane

Concen: 0.454 ug/L

RT: 6.063 min Scan# 11

Delta R.T. -0.103 min

Lab File: VV026849.D

Acq: 20 Jul 2022 15:07

Instrument :

MSVOA_V

ClientSampleId :

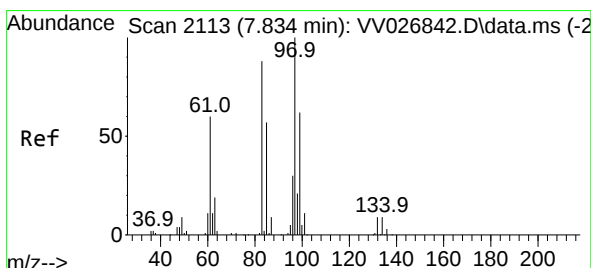
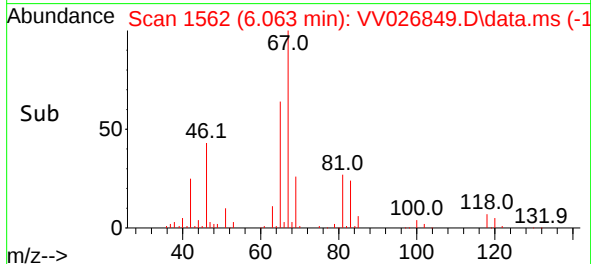
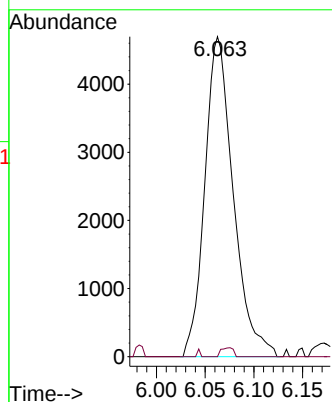
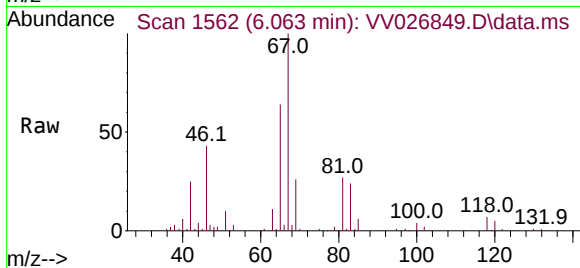
GBHW6

Tgt Ion: 63 Resp: 9542

Ion Ratio Lower Upper

63 100

112 1.2 4.2 6.2#



#45

1,1,2-Trichloroethane

Concen: 0.071 ug/L

RT: 7.966 min Scan# 2154

Delta R.T. 0.132 min

Lab File: VV026849.D

Acq: 20 Jul 2022 15:07

Tgt Ion: 97 Resp: 1098

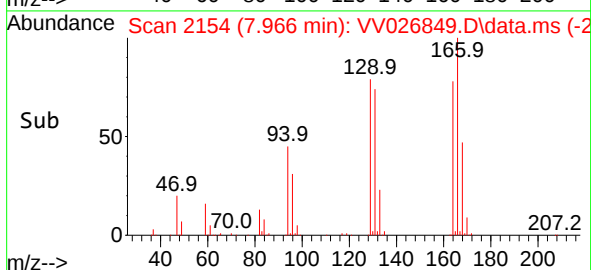
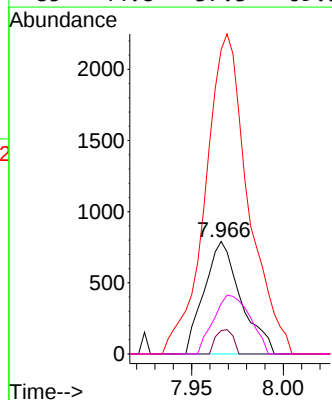
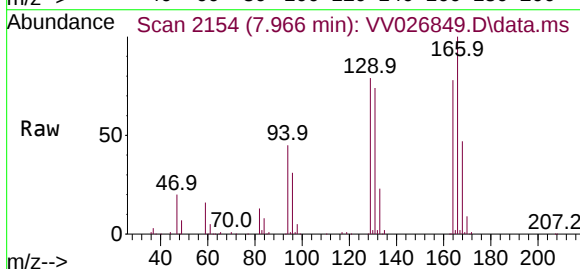
Ion Ratio Lower Upper

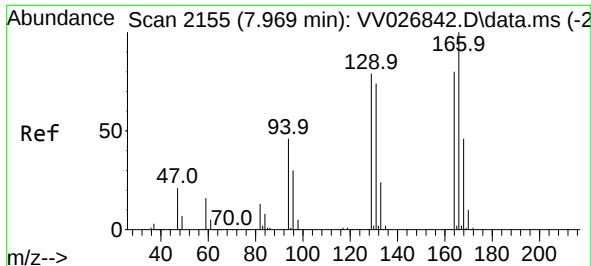
97 100

99 20.9 41.9 77.9#

83 270.3 58.1 107.9#

85 44.8 37.3 69.3





#47

Tetrachloroethene

Concen: 7.993 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. -0.000 min

Lab File: VV026849.D

Acq: 20 Jul 2022 15:07

Instrument :

MSVOA_V

ClientSampleId :

GBHW6

Tgt Ion:164 Resp: 135514

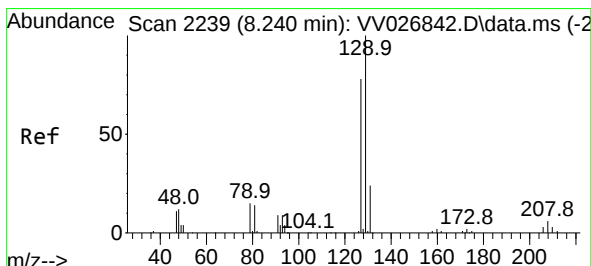
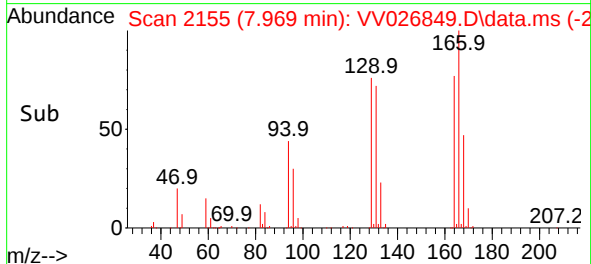
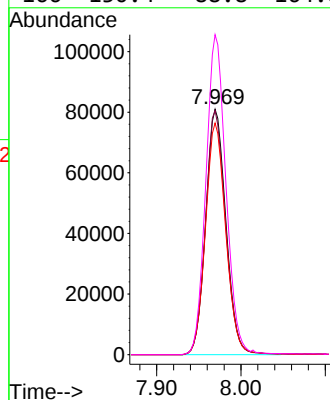
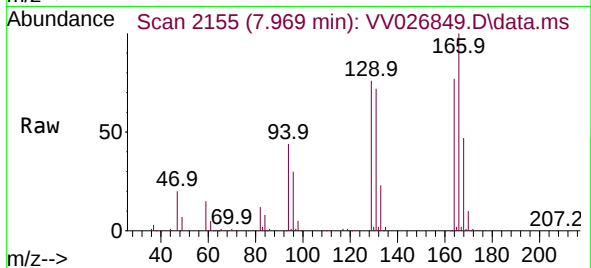
Ion Ratio Lower Upper

164 100

129 99.4 67.8 125.8

131 94.4 65.9 122.5

166 130.4 88.8 164.8



#49

Dibromochloromethane

Concen: 7.344 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. -0.270 min

Lab File: VV026849.D

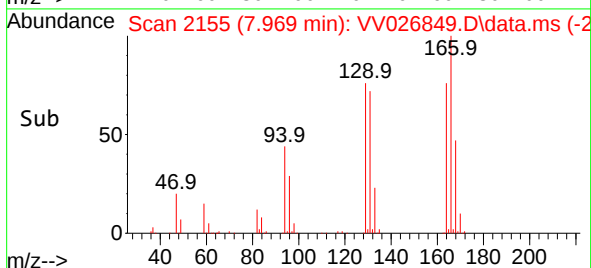
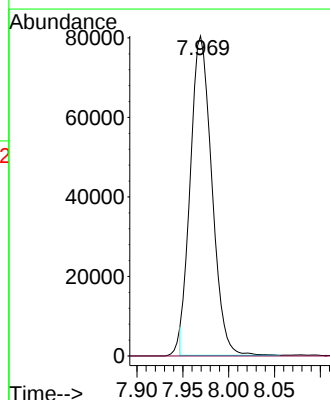
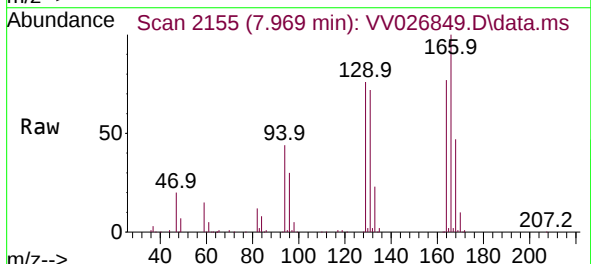
Acq: 20 Jul 2022 15:07

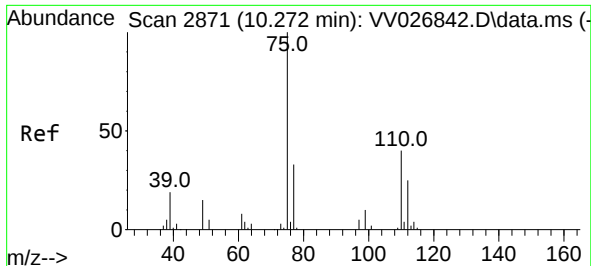
Tgt Ion:129 Resp: 130115

Ion Ratio Lower Upper

129 100

127 0.0 55.7 103.5#

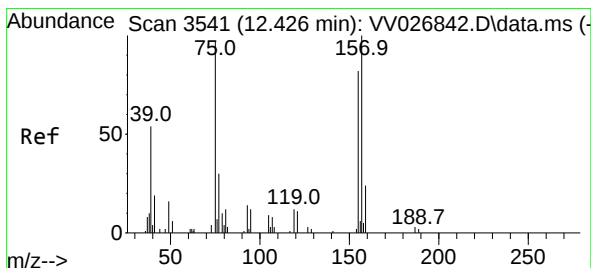
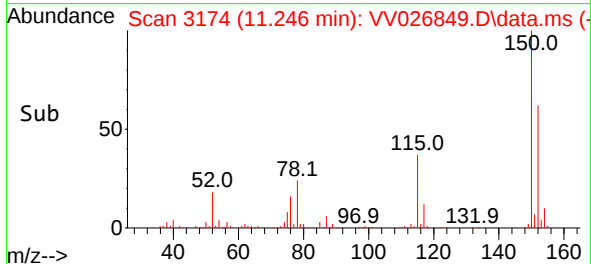
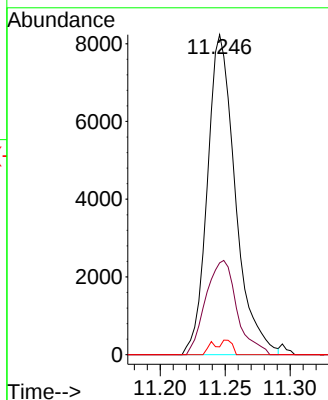
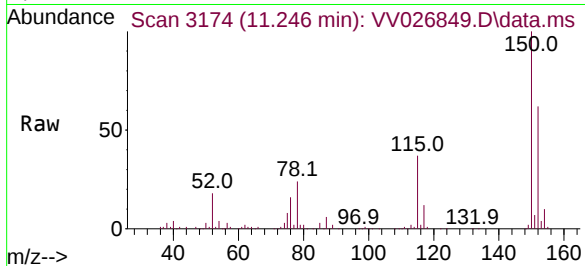




#61
 1,2,3-Trichloropropane
 Concen: 1.235 ug/L
 RT: 11.246 min Scan# 3174
 Delta R.T. 0.974 min
 Lab File: VV026849.D
 Acq: 20 Jul 2022 15:07

Instrument :
 MSVOA_V
 ClientSampleId :
 GBHW6

Tgt Ion: 75 Resp: 12306
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.4 38.0
 110 1.6 31.8 47.6#



#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.152 ug/L
 RT: 12.246 min Scan# 3485
 Delta R.T. -0.180 min
 Lab File: VV026849.D
 Acq: 20 Jul 2022 15:07

Tgt Ion: 75 Resp: 322
 Ion Ratio Lower Upper
 75 100
 155 0.0 60.3 90.5#
 157 0.0 78.2 117.4#

