

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW090122\
 Data File : VW027679.D
 Acq On : 01 Sep 2022 20:12
 Operator : SY/MD
 Sample : N4366-06
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 02 00:19:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR083122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 02 00:17:48 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	143604	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	132698	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	57172	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.298	65	62853	4.029	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.600%
7) Chloroethane-d5	1.558	69	55422	4.246	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.000%
11) 1,1-Dichloroethene-d2	2.095	63	96615	3.164	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.200%
20) 2-Butanone-d5	3.947	46	137062	51.964	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.920%
24) Chloroform-d	4.342	84	138778	4.431	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.600%
26) 1,2-Dichloroethane-d4	5.031	65	67595	4.818	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.400%
32) Benzene-d6	5.040	84	272863	5.020	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.400%
36) 1,2-Dichloropropane-d6	6.066	67	80197	4.770	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.400%
41) Toluene-d8	7.313	98	218851	4.649	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.000%
43) trans-1,3-Dichloroprop...	7.622	79	24513	4.733	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.600%
46) 2-Hexanone-d5	8.095	63	93028	47.762	ug/L	-0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.520%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	47746	4.413	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.200%
66) 1,2-Dichlorobenzene-d4	11.622	152	65509	5.118	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.233	50	892	0.048	ug/L	92
5) Vinyl chloride	1.301	62	9967	0.559	ug/L #	82
8) Chloroethane	1.571	64	798	0.080	ug/L	99
12) 1,1-Dichloroethene	2.101	96	2565	0.214	ug/L #	1
13) Acetone	2.117	43	45915	25.726	ug/L	71
15) Methyl Acetate	2.481	43	384863	81.283	ug/L #	53
16) Methylene chloride	2.481	84	6366	0.421	ug/L #	1
17) Methyl tert-butyl Ether	2.770	73	80530	3.145	ug/L #	1
18) trans-1,2-Dichloroethene	2.748	96	441513	32.497	ug/L	98
22) cis-1,2-Dichloroethene	3.902	96	323214	23.835	ug/L	94
25) Chloroform	4.381	83	2588	0.093	ug/L #	1
30) Cyclohexane	4.664	56	9216	0.476	ug/L #	92
33) Benzene	5.098	78	16143	0.312	ug/L	100
34) Trichloroethene	5.908	95	102271	8.038	ug/L	99
35) Methylcyclohexane	6.066	83	28160	1.426	ug/L #	16
37) 1,2-Dichloropropane	6.066	63	9416	0.720	ug/L	99
38) Bromodichloromethane	6.532	83	832	0.050	ug/L #	25
39) cis-1,3-Dichloropropene	6.989	75	1947	0.122	ug/L #	24
44) trans-1,3-Dichloropropene	7.619	75	1156	0.089	ug/L #	54

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV090122\
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 02 00:17:48 2022
 Response via : Initial Calibration

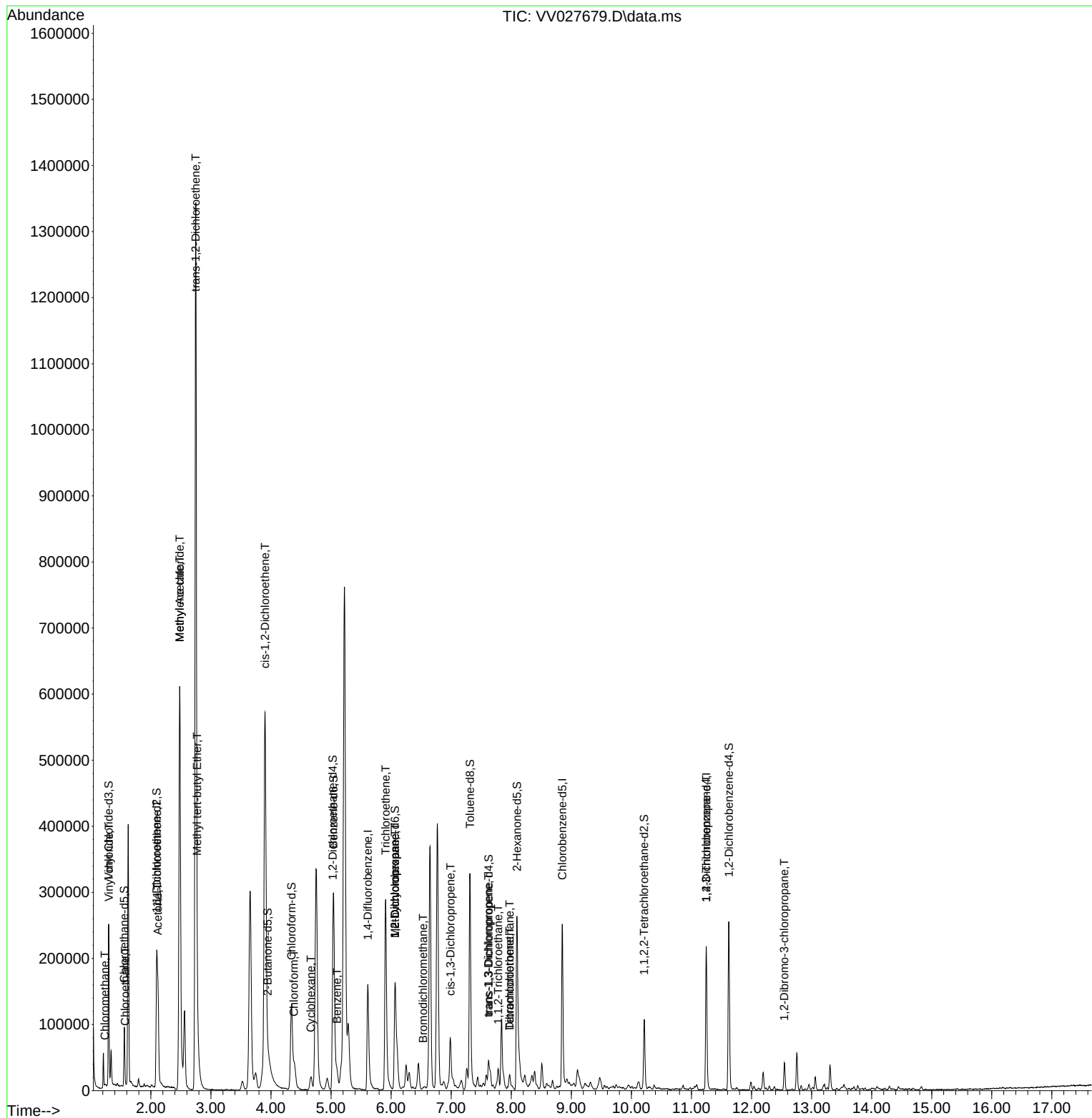
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.783	97	9974	1.183	ug/L #	21
47) Tetrachloroethene	7.976	164	4726	0.458	ug/L	96
49) Dibromochloromethane	7.973	129	4232	0.424	ug/L #	12
61) 1,2,3-Trichloropropane	11.246	75	6634	1.147	ug/L #	65
68) 1,2-Dibromo-3-chloropr...	12.545	75	425	0.369	ug/L #	8

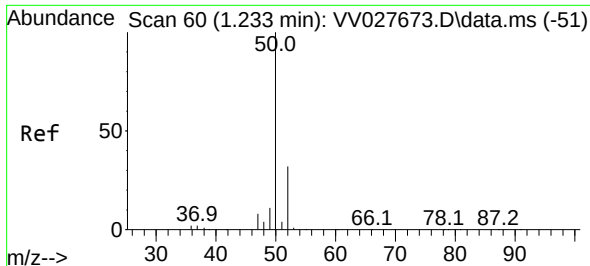
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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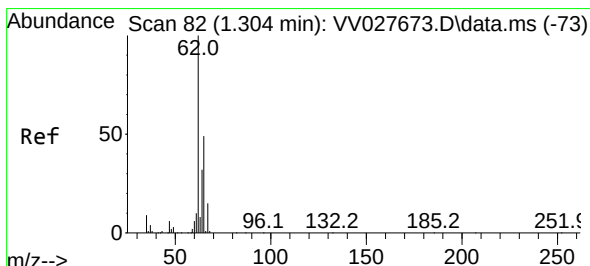
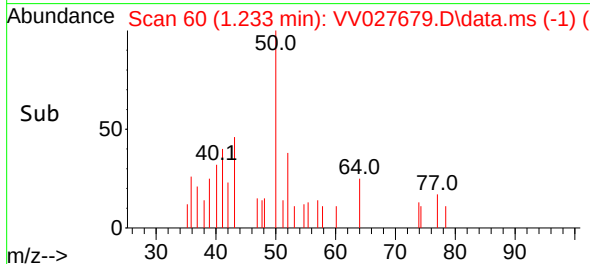
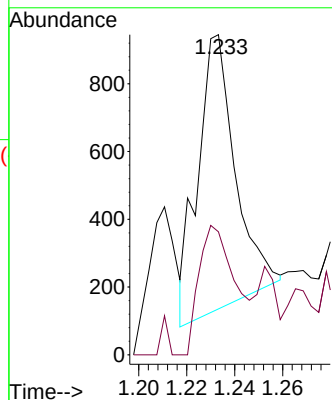
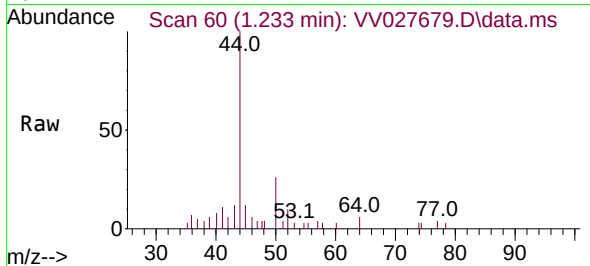




#3
Chloromethane
Concen: 0.048 ug/L
RT: 1.233 min Scan# 60
Delta R.T. -0.000 min
Lab File: VV027679.D
Acq: 01 Sep 2022 20:12

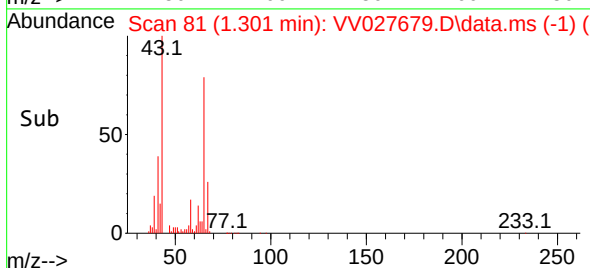
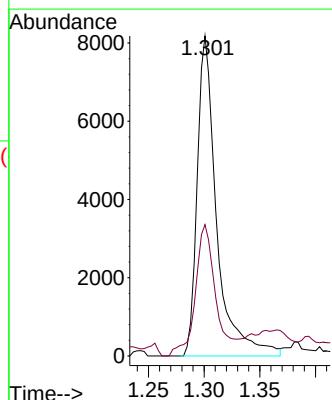
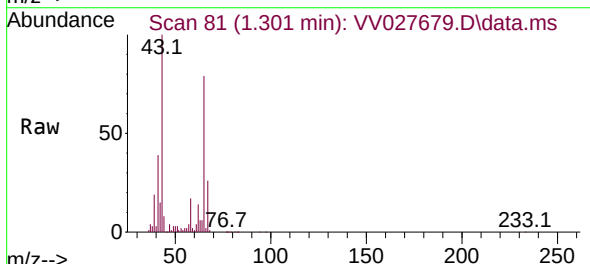
Instrument :
MSVOA_V
ClientSampleId :

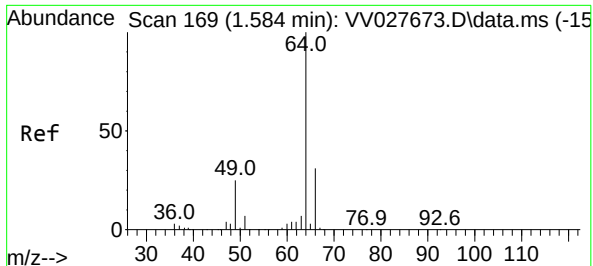
Tgt Ion: 50 Resp: 892
Ion Ratio Lower Upper
50 100
52 38.4 23.5 43.7



#5
Vinyl chloride
Concen: 0.559 ug/L
RT: 1.301 min Scan# 81
Delta R.T. -0.003 min
Lab File: VV027679.D
Acq: 01 Sep 2022 20:12

Tgt Ion: 62 Resp: 9967
Ion Ratio Lower Upper
62 100
64 41.1 21.8 40.4#

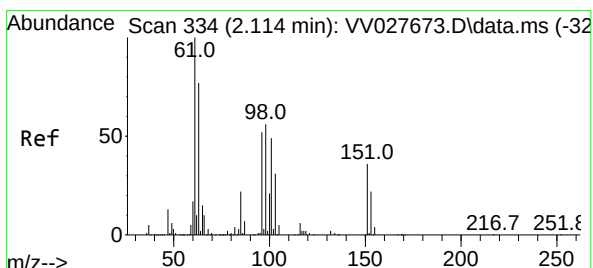
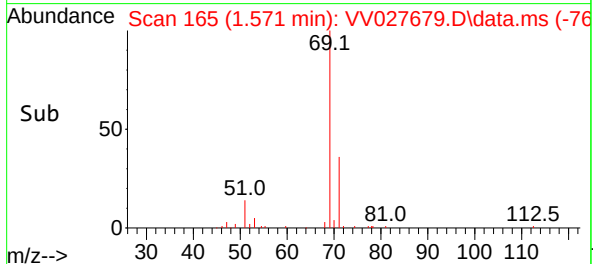
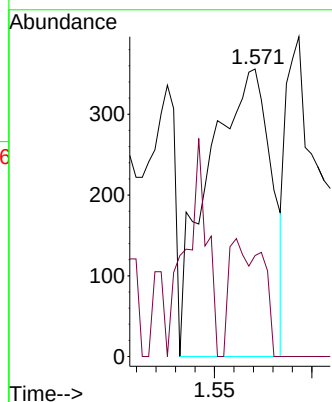
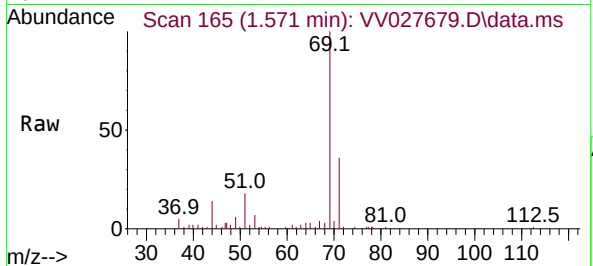




#8
Chloroethane
Concen: 0.080 ug/L
RT: 1.571 min Scan# 1
Delta R.T. -0.013 min
Lab File: VV027679.D
Acq: 01 Sep 2022 20:12

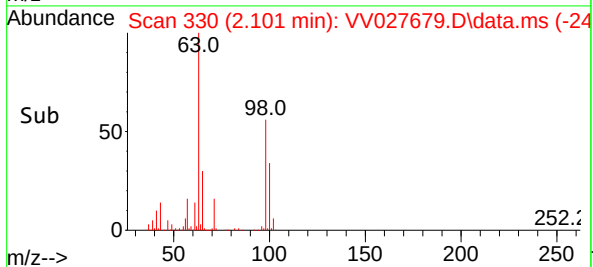
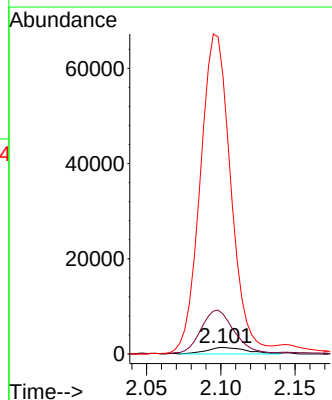
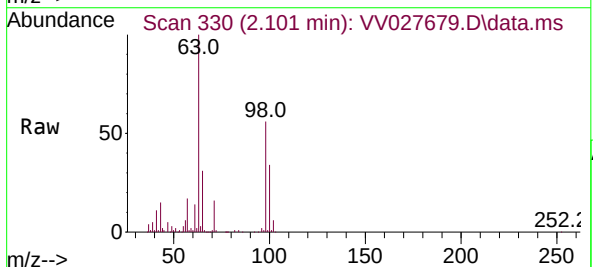
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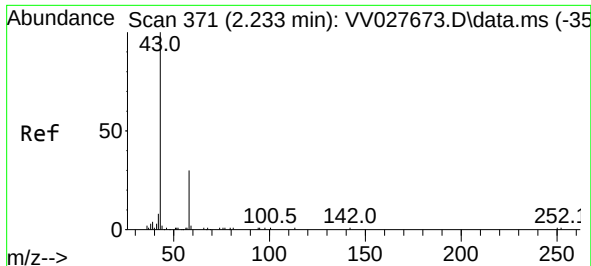
Tgt Ion: 64 Resp: 798
Ion Ratio Lower Upper
64 100
66 35.1 24.0 44.6



#12
1,1-Dichloroethene
Concen: 0.214 ug/L
RT: 2.101 min Scan# 330
Delta R.T. -0.013 min
Lab File: VV027679.D
Acq: 01 Sep 2022 20:12

Tgt Ion: 96 Resp: 2565
Ion Ratio Lower Upper
96 100
61 614.9 134.3 249.3#
63 4281.1 105.7 196.3#

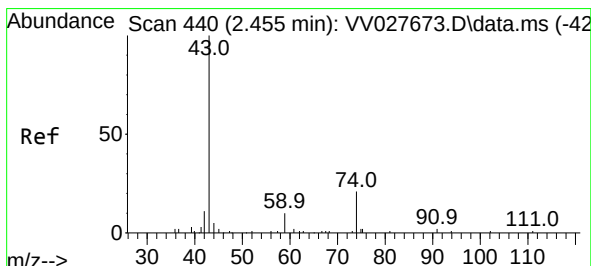
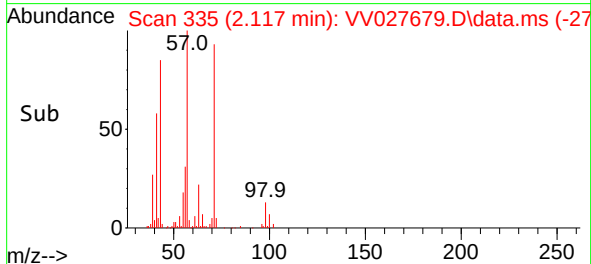
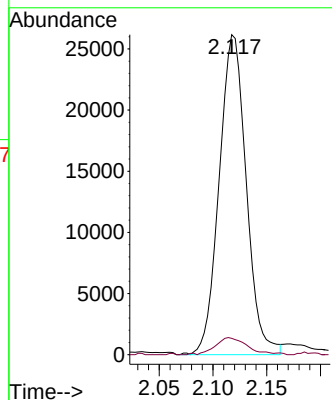
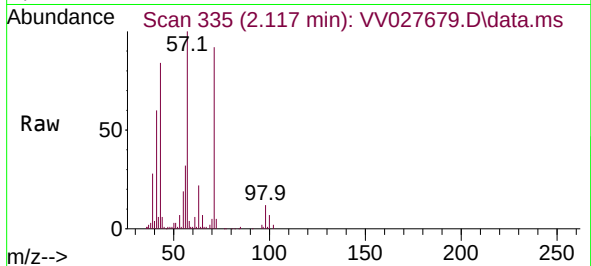




#13
Acetone
Concen: 25.726 ug/L
RT: 2.117 min Scan# 311
Delta R.T. -0.116 min
Lab File: VV027679.D
Acq: 01 Sep 2022 20:12

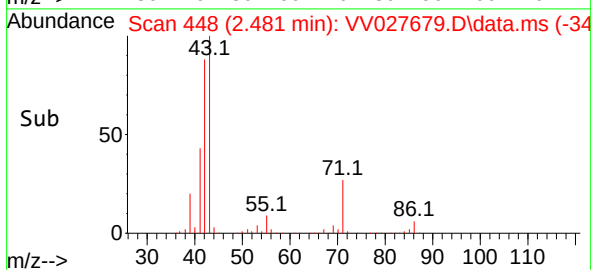
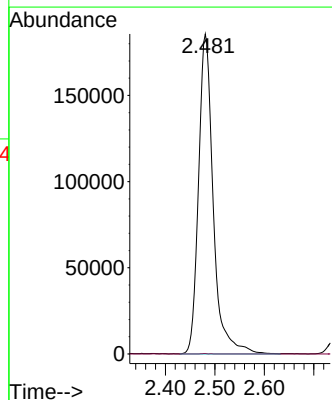
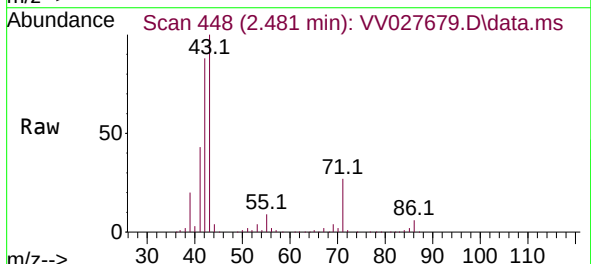
Instrument :
MSVOA_V
ClientSampleId :

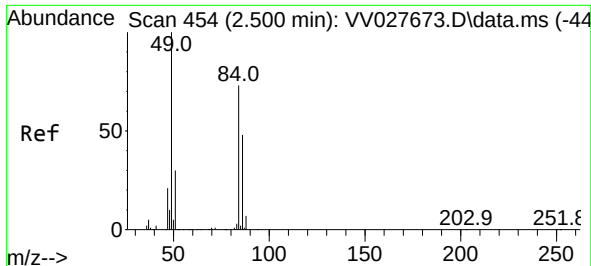
Tgt Ion: 43 Resp: 45915
Ion Ratio Lower Upper
43 100
58 6.2 0.0 38.4



#15
Methyl Acetate
Concen: 81.283 ug/L
RT: 2.481 min Scan# 448
Delta R.T. 0.026 min
Lab File: VV027679.D
Acq: 01 Sep 2022 20:12

Tgt Ion: 43 Resp: 384863
Ion Ratio Lower Upper
43 100
74 0.0 18.2 27.4#

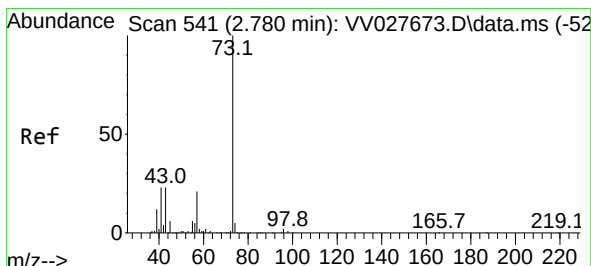
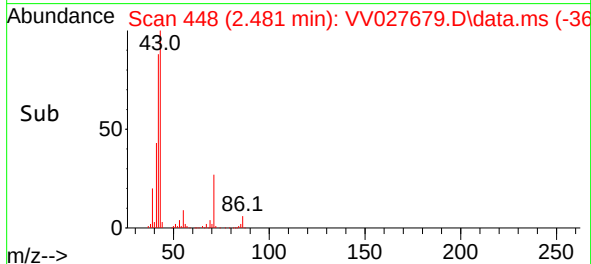
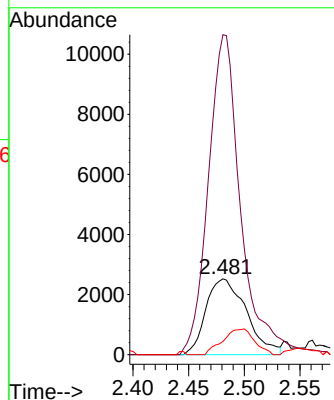
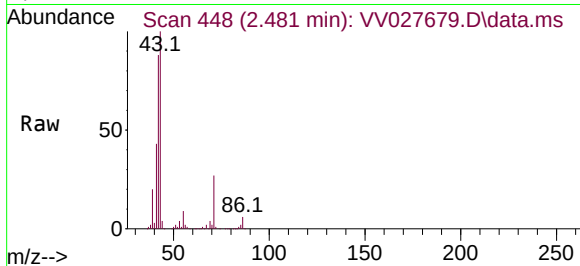




#16
Methylene chloride
Concen: 0.421 ug/L
RT: 2.481 min Scan# 44
Delta R.T. -0.019 min
Lab File: VV027679.D
Acq: 01 Sep 2022 20:12

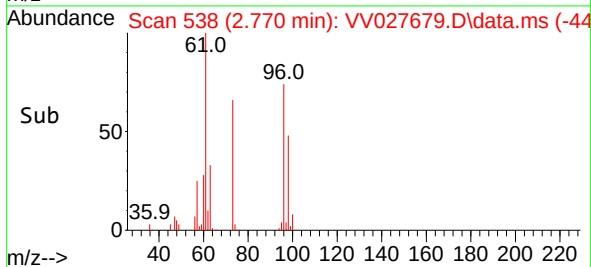
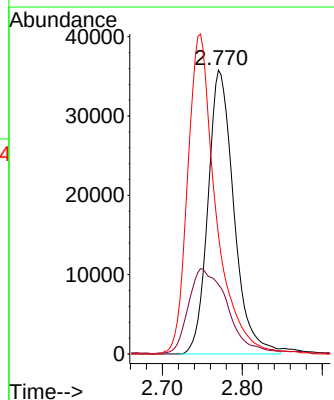
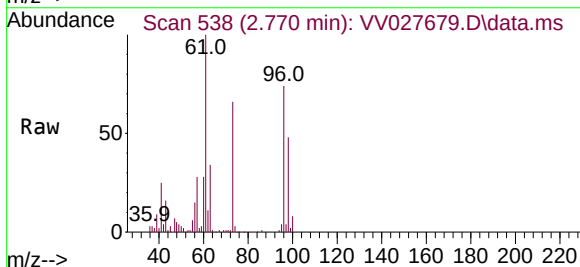
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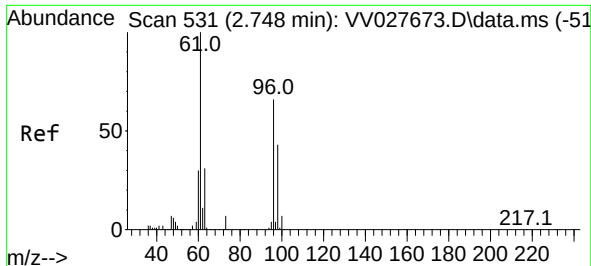
Tgt Ion: 84 Resp: 6366
Ion Ratio Lower Upper
84 100
86 422.2 43.9 81.5#
49 17.2 92.5 171.7#



#17
Methyl tert-butyl Ether
Concen: 3.145 ug/L
RT: 2.770 min Scan# 538
Delta R.T. -0.010 min
Lab File: VV027679.D
Acq: 01 Sep 2022 20:12

Tgt Ion: 73 Resp: 80530
Ion Ratio Lower Upper
73 100
43 45.3 16.5 24.7#
57 122.8 18.2 27.2#





#18

trans-1,2-Dichloroethene

Concen: 32.497 ug/L

RT: 2.748 min Scan# 51

Delta R.T. -0.000 min

Lab File: VV027679.D

Acq: 01 Sep 2022 20:12

Instrument :

MSVOA_V

ClientSampleId :

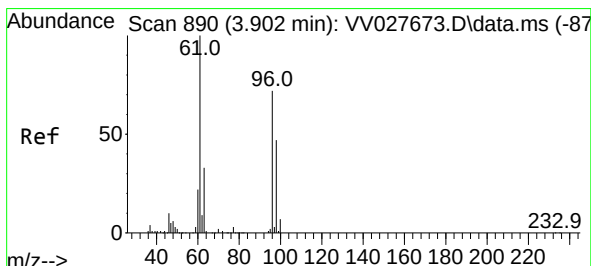
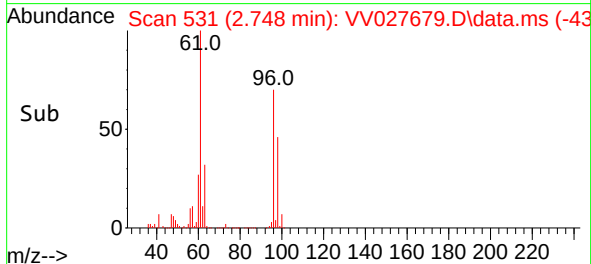
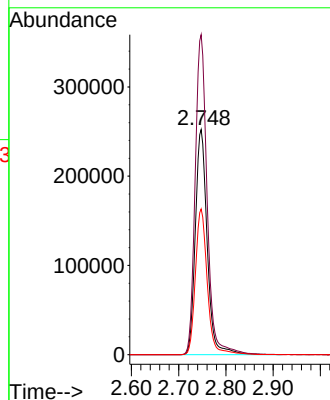
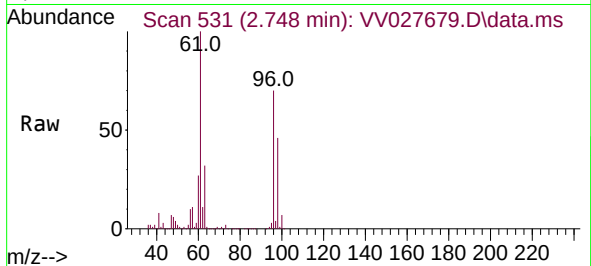
Tgt Ion: 96 Resp: 441513

Ion Ratio Lower Upper

96 100

61 142.2 101.8 189.0

98 64.7 44.9 83.3



#22

cis-1,2-Dichloroethene

Concen: 23.835 ug/L

RT: 3.902 min Scan# 890

Delta R.T. -0.000 min

Lab File: VV027679.D

Acq: 01 Sep 2022 20:12

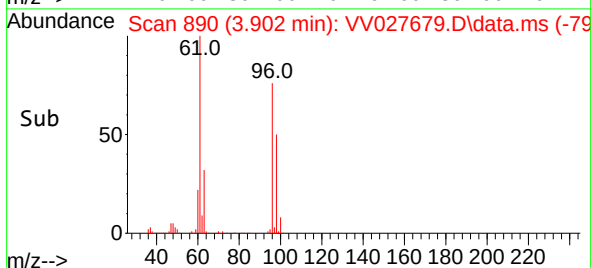
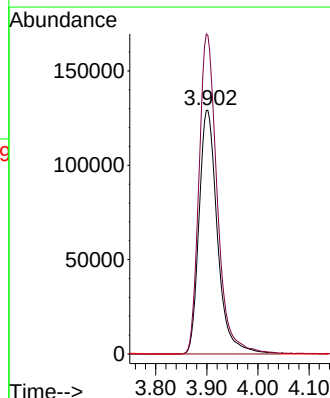
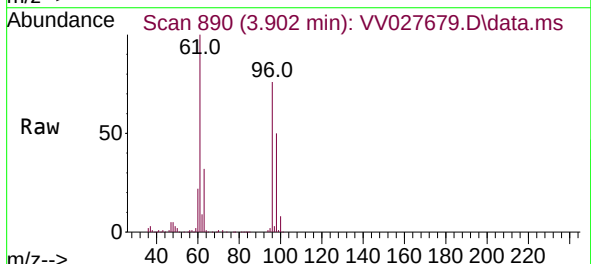
Tgt Ion: 96 Resp: 323214

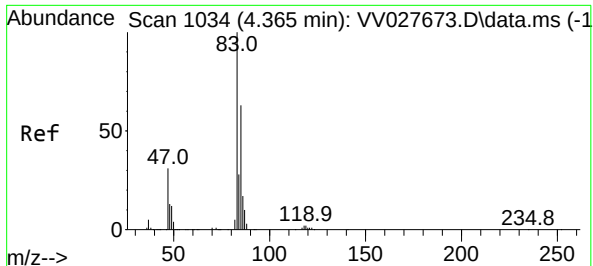
Ion Ratio Lower Upper

96 100

61 130.7 96.9 180.1

68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.093 ug/L

RT: 4.381 min Scan# 110

Delta R.T. 0.016 min

Lab File: VV027679.D

Acq: 01 Sep 2022 20:12

Instrument :

MSVOA_V

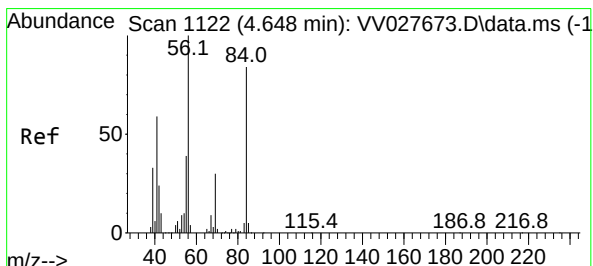
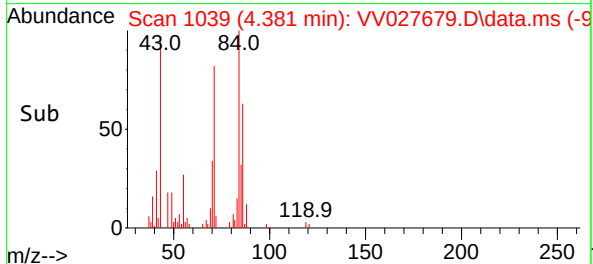
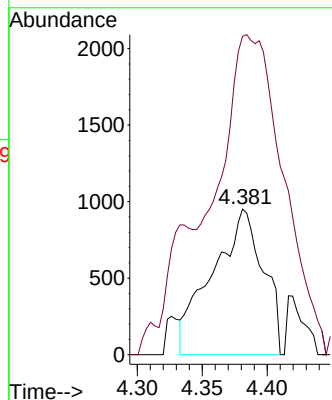
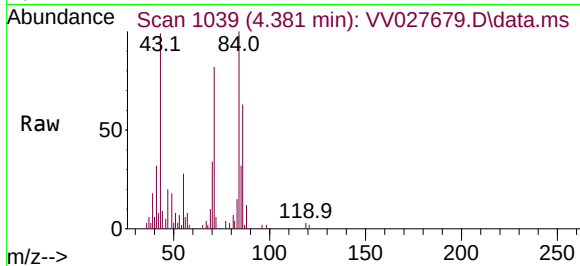
ClientSampleId :

Tgt Ion: 83 Resp: 2588

Ion Ratio Lower Upper

83 100

85 218.8 44.7 83.1#



#30

Cyclohexane

Concen: 0.476 ug/L

RT: 4.664 min Scan# 1127

Delta R.T. 0.016 min

Lab File: VV027679.D

Acq: 01 Sep 2022 20:12

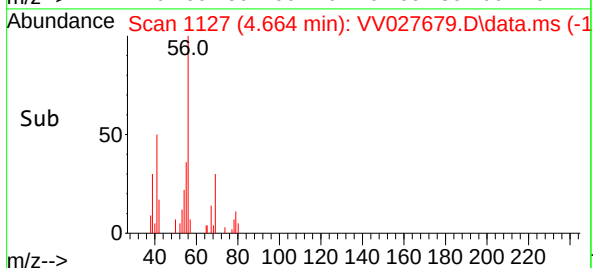
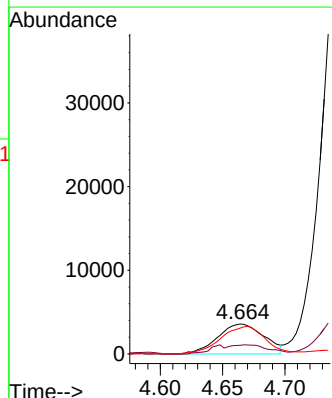
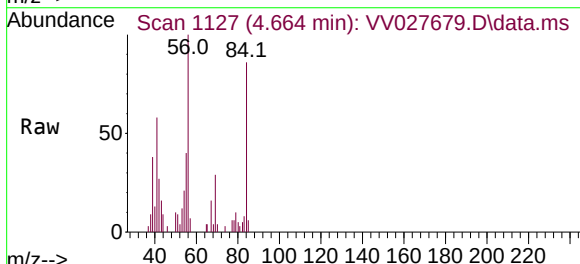
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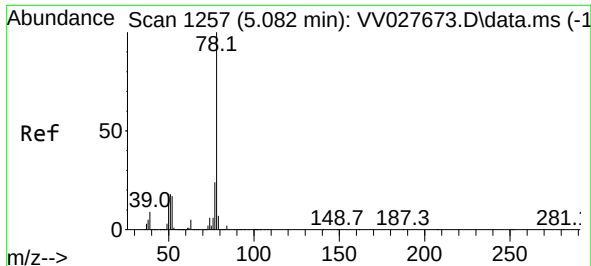
Ion Ratio Lower Upper

56 100

69 23.7 24.1 36.1#

84 89.1 66.9 100.3

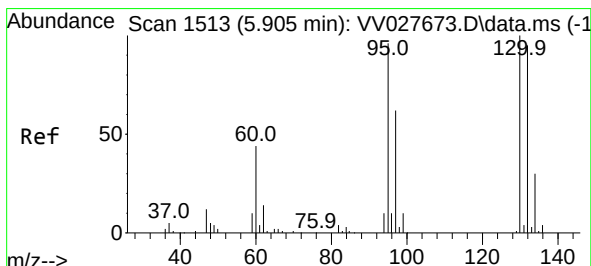
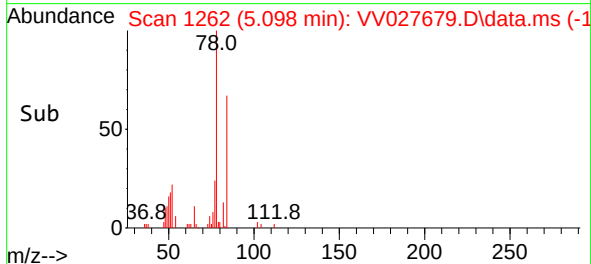
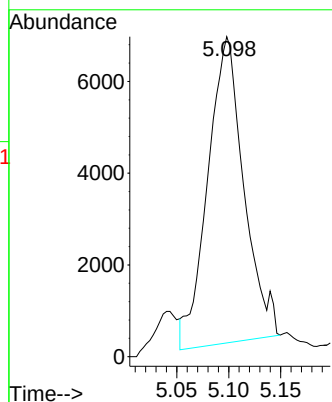
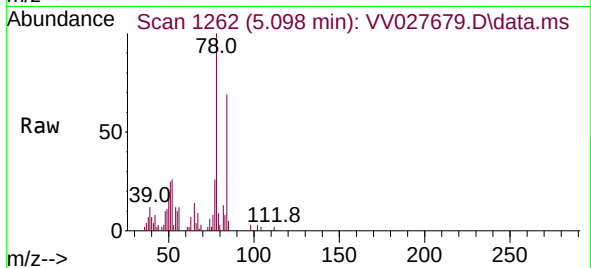




#33
Benzene
Concen: 0.312 ug/L
RT: 5.098 min Scan# 1514
Delta R.T. 0.016 min
Lab File: VV027679.D
Acq: 01 Sep 2022 20:12

Instrument :
MSVOA_V
ClientSampleId :

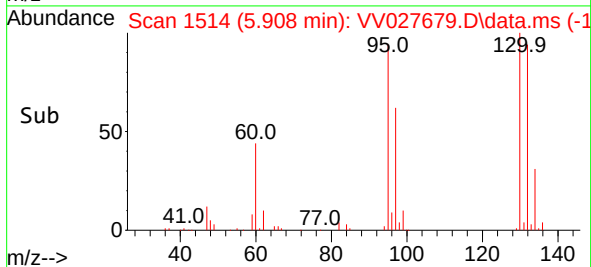
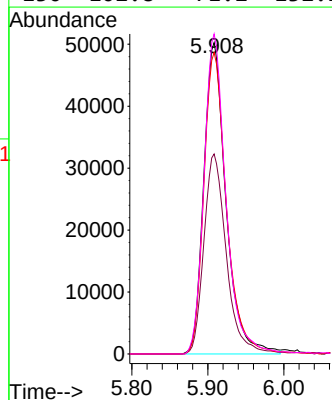
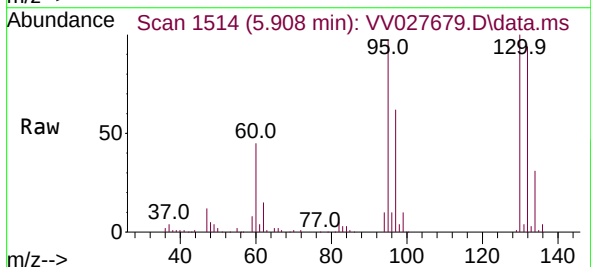
Tgt Ion: 78 Resp: 16143

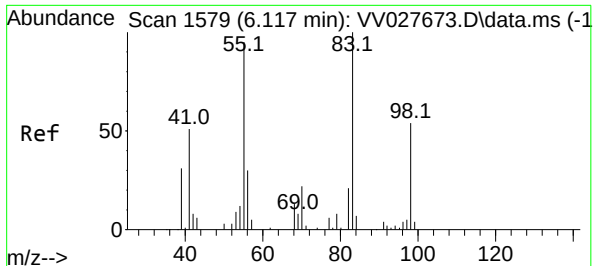


#34
Trichloroethene
Concen: 8.038 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. 0.003 min
Lab File: VV027679.D
Acq: 01 Sep 2022 20:12

Tgt Ion: 95 Resp: 102271

Ion	Ratio	Lower	Upper
95	100		
97	64.2	46.1	85.5
132	96.8	67.3	125.1
130	102.8	71.2	132.2





#35

Methylcyclohexane

Concen: 1.426 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.052 min

Lab File: VV027679.D

Acq: 01 Sep 2022 20:12

Instrument :

MSVOA_V

ClientSampleId :

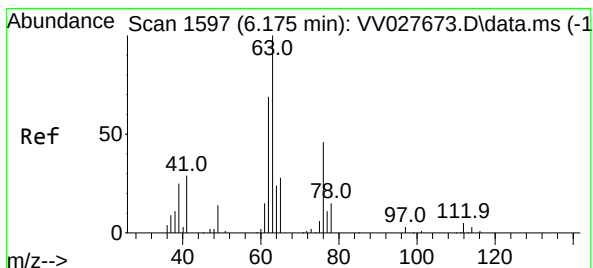
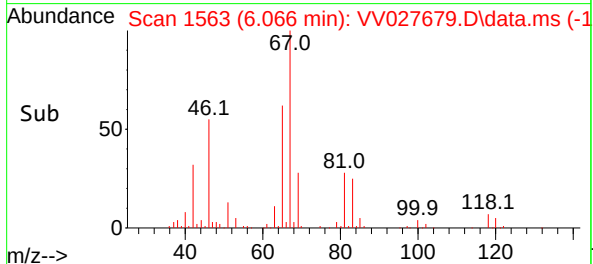
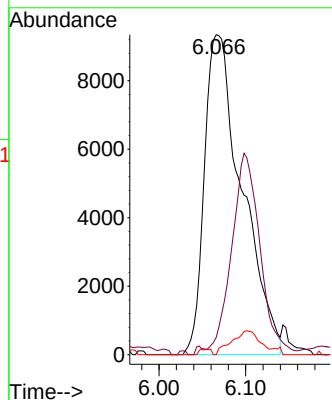
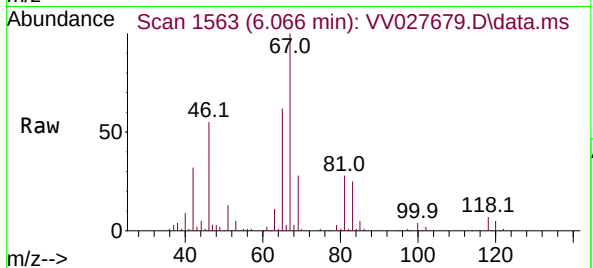
Tgt Ion: 83 Resp: 28160

Ion Ratio Lower Upper

83 100

55 0.0 66.0 99.0#

98 0.6 36.9 55.3#



#37

1,2-Dichloropropane

Concen: 0.720 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.109 min

Lab File: VV027679.D

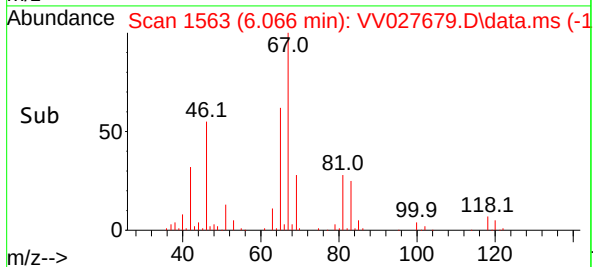
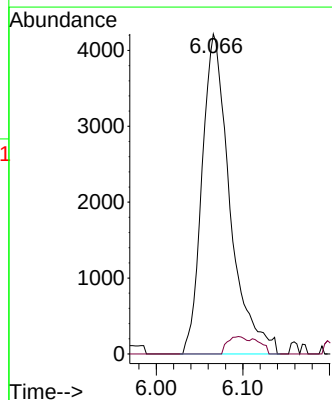
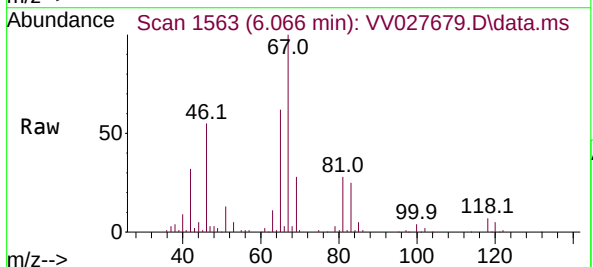
Acq: 01 Sep 2022 20:12

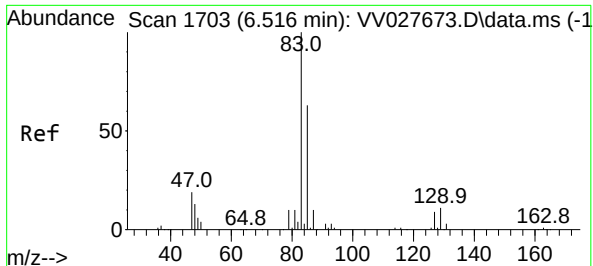
Tgt Ion: 63 Resp: 9416

Ion Ratio Lower Upper

63 100

112 3.9 2.9 4.3





#38

Bromodichloromethane

Concen: 0.050 ug/L

RT: 6.532 min Scan# 1

Delta R.T. 0.016 min

Lab File: VV027679.D

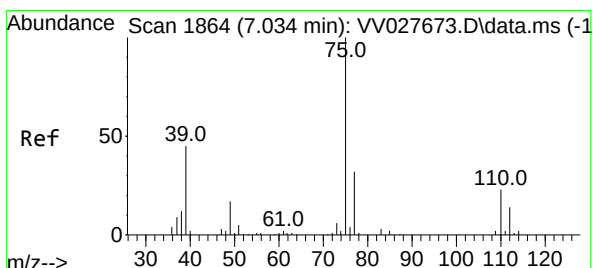
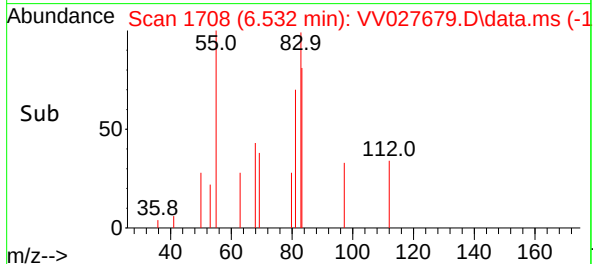
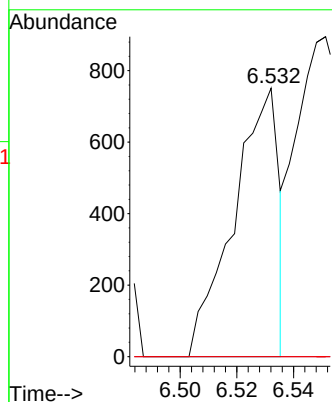
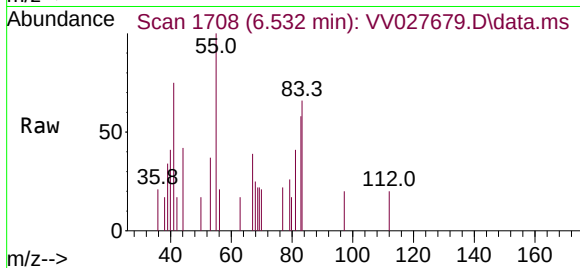
Acq: 01 Sep 2022 20:12

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 83	Resp: 832
Ion Ratio	Lower Upper
83	100
85	0.0 45.2 84.0#
127	0.0 7.0 10.6#



#39

cis-1,3-Dichloropropene

Concen: 0.122 ug/L

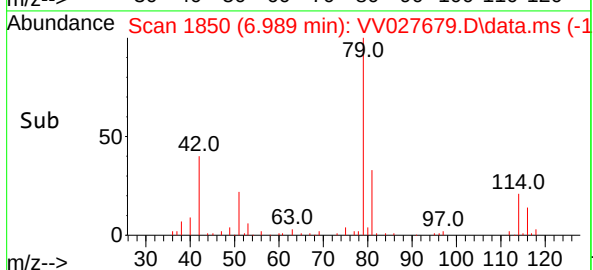
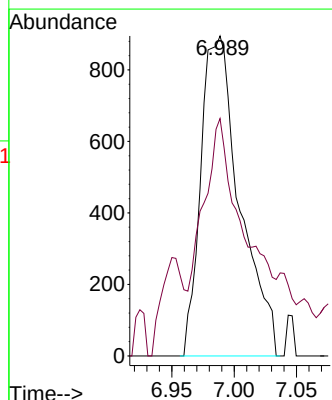
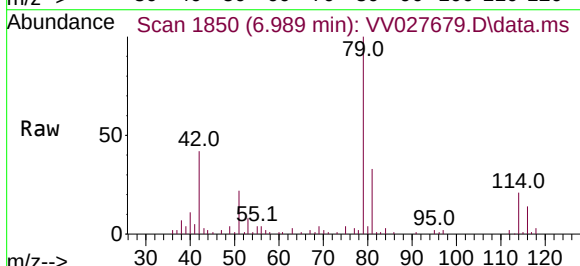
RT: 6.989 min Scan# 1850

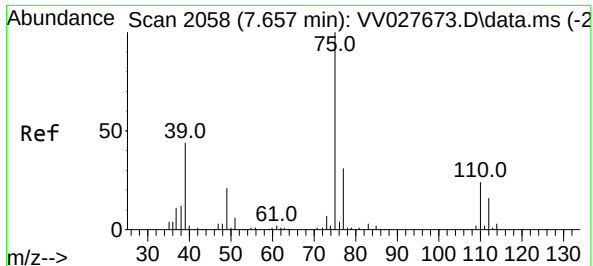
Delta R.T. -0.045 min

Lab File: VV027679.D

Acq: 01 Sep 2022 20:12

Tgt Ion: 75	Resp: 1947
Ion Ratio	Lower Upper
75	100
77	74.2 22.3 41.3#

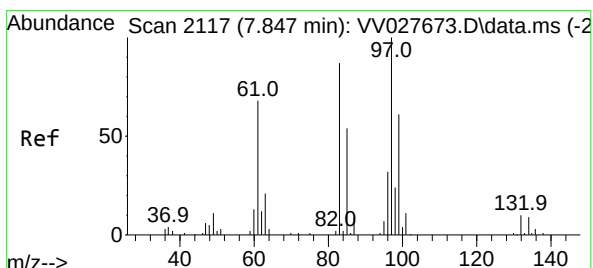
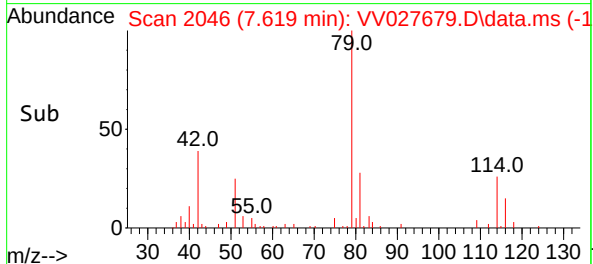
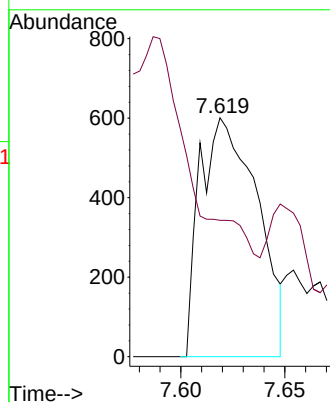
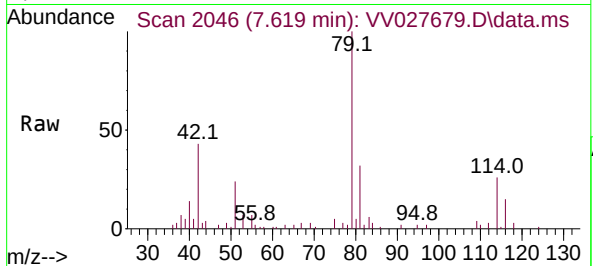




#44
trans-1,3-Dichloropropene
Concen: 0.089 ug/L
RT: 7.619 min Scan# 2046
Delta R.T. -0.039 min
Lab File: VV027679.D
Acq: 01 Sep 2022 20:12

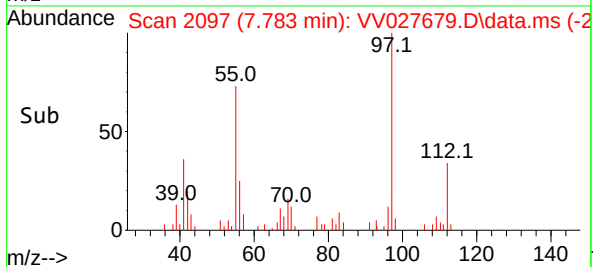
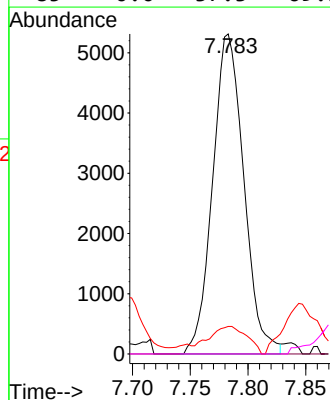
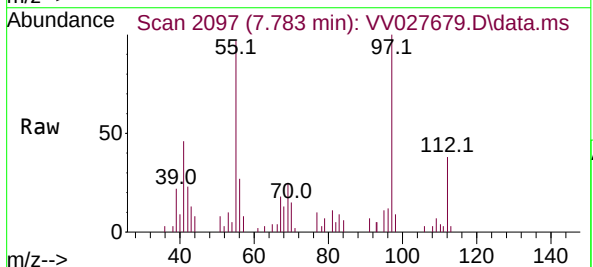
Instrument :
MSVOA_V
ClientSampleId :

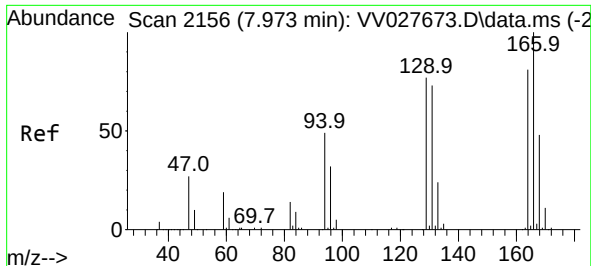
Tgt Ion: 75 Resp: 1156
Ion Ratio Lower Upper
75 100
77 57.1 22.0 41.0#



#45
1,1,2-Trichloroethane
Concen: 1.183 ug/L
RT: 7.783 min Scan# 2097
Delta R.T. -0.064 min
Lab File: VV027679.D
Acq: 01 Sep 2022 20:12

Tgt Ion: 97 Resp: 9974
Ion Ratio Lower Upper
97 100
99 0.0 41.3 76.7#
83 8.6 57.5 106.9#
85 0.0 37.3 69.3#





#47

Tetrachloroethene

Concen: 0.458 ug/L

RT: 7.976 min Scan# 2156

Delta R.T. 0.003 min

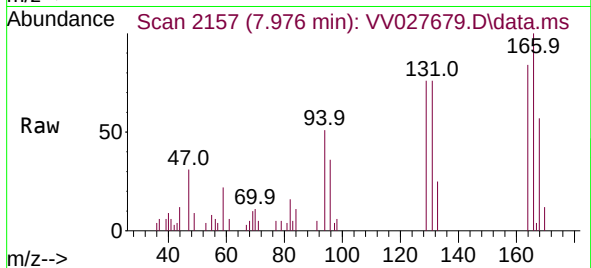
Lab File: VV027679.D

Acq: 01 Sep 2022 20:12

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 4726

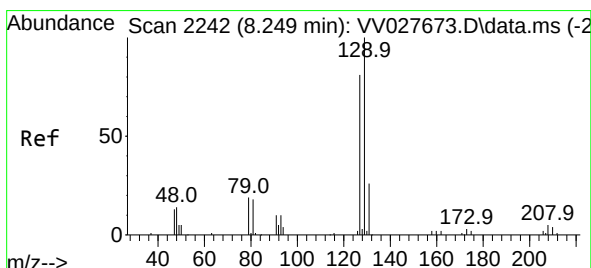
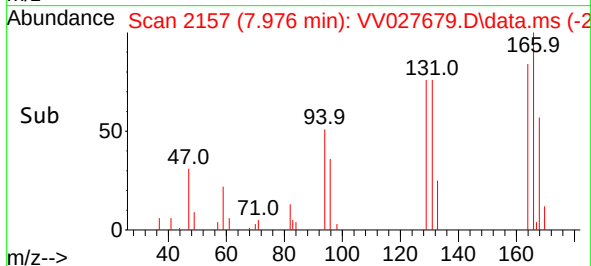
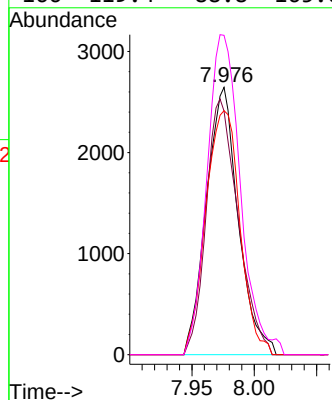
Ion Ratio Lower Upper

164 100

129 91.1 65.9 122.3

131 91.2 64.5 119.7

166 119.4 88.8 165.0



#49

Dibromochloromethane

Concen: 0.424 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. -0.277 min

Lab File: VV027679.D

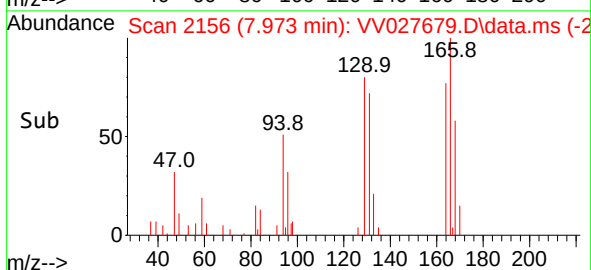
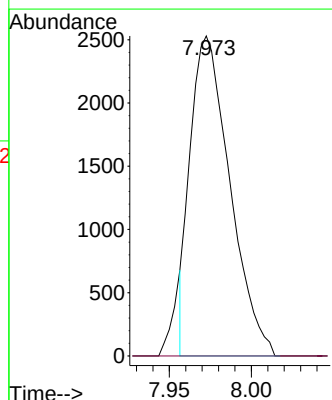
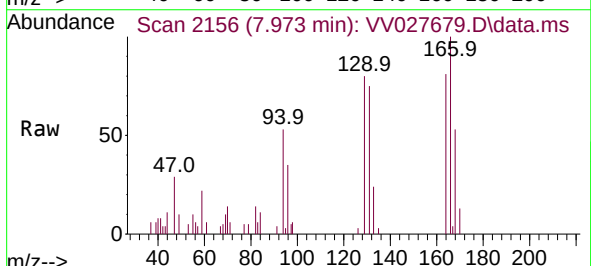
Acq: 01 Sep 2022 20:12

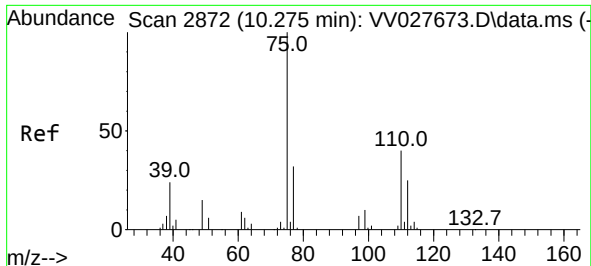
Tgt Ion:129 Resp: 4232

Ion Ratio Lower Upper

129 100

127 0.0 52.4 97.4#

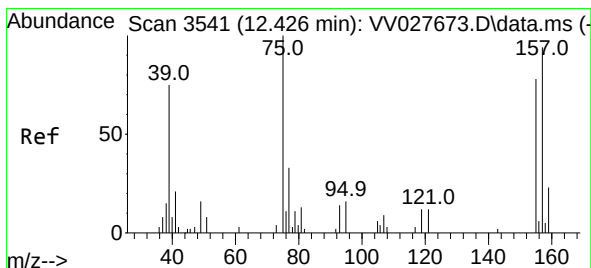
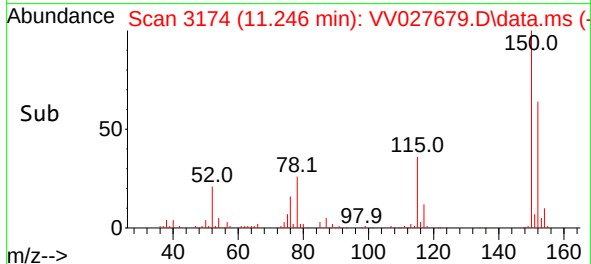
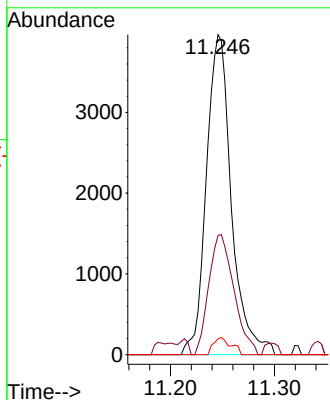
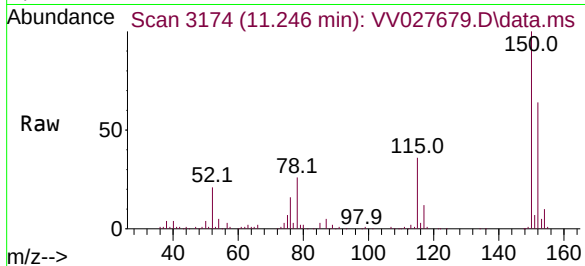




#61
 1,2,3-Trichloropropane
 Concen: 1.147 ug/L
 RT: 11.246 min Scan# 3174
 Delta R.T. 0.971 min
 Lab File: VV027679.D
 Acq: 01 Sep 2022 20:12

Instrument :
 MSVOA_V
 ClientSampleId :

Tgt Ion: 75 Resp: 6634
 Ion Ratio Lower Upper
 75 100
 77 37.7 25.8 38.6
 110 3.8 29.8 44.8#



#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.369 ug/L
 RT: 12.545 min Scan# 3578
 Delta R.T. 0.119 min
 Lab File: VV027679.D
 Acq: 01 Sep 2022 20:12

Tgt Ion: 75 Resp: 425
 Ion Ratio Lower Upper
 75 100
 155 0.0 56.4 84.6#
 157 0.0 74.9 112.3#

