

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW070722\
 Data File : VW026679.D
 Acq On : 07 Jul 2022 16:07
 Operator : SY/MD
 Sample : N3601-05
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DBUA8

Quant Time: Jul 08 03:02:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR062322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jul 08 02:58:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.625	114	192485	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	182138	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	79288	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.320	65	67771	4.378	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.600%
7) Chloroethane-d5	1.580	69	50914	4.094	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.800%
11) 1,1-Dichloroethene-d2	2.124	63	138377	5.031	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.600%
20) 2-Butanone-d5	3.915	46	89491	58.148	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.300%
24) Chloroform-d	4.362	84	103203	4.078	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.600%
26) 1,2-Dichloroethane-d4	5.047	65	42829	4.394	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.800%
32) Benzene-d6	5.059	84	204909	3.917	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.400%
36) 1,2-Dichloropropane-d6	6.079	67	62280	4.329	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.600%
41) Toluene-d8	7.320	98	158639	3.372	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	67.400%#
43) trans-1,3-Dichloroprop...	7.632	79	13915	3.742	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.800%
46) 2-Hexanone-d5	8.095	63	70805	49.989	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.980%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	39267	4.172	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.400%
66) 1,2-Dichlorobenzene-d4	11.622	152	54286	4.137	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.256	50	1636	0.102	ug/L	97
5) Vinyl chloride	1.323	62	1420643	83.239	ug/L	93
6) Bromomethane	1.542	94	441	0.048	ug/L	90
8) Chloroethane	1.323	64	461272	39.739	ug/L #	47
12) 1,1-Dichloroethene	2.130	96	112784	8.675	ug/L	84
14) Carbon disulfide	2.310	76	4257	0.124	ug/L #	93
18) trans-1,2-Dichloroethene	2.770	96	3362813	253.534	ug/L	96
22) cis-1,2-Dichloroethene	3.921	96	8535949	648.088	ug/L	96
33) Benzene	5.111	78	2994	0.056	ug/L	100
34) Trichloroethene	5.924	95	13002198	929.991	ug/L	97
35) Methylcyclohexane	6.079	83	15075	0.729	ug/L #	25
37) 1,2-Dichloropropane	6.082	63	6737	0.526	ug/L #	87
39) cis-1,3-Dichloropropene	6.995	75	1065	0.083	ug/L #	71
45) 1,1,2-Trichloroethane	7.982	97	67052	8.296	ug/L #	1
47) Tetrachloroethene	7.982	164	7910074	710.622	ug/L	96
49) Dibromochloromethane	7.982	129	7634022	932.742	ug/L #	11
51) Chlorobenzene	8.889	112	2385	0.066	ug/L	93
53) m,p-Xylene	9.143	106	1404	0.063	ug/L	78
61) 1,2,3-Trichloropropane	11.249	75	9140	1.780	ug/L #	64

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Jul 08 02:58:15 2022
Response via : Initial Calibration

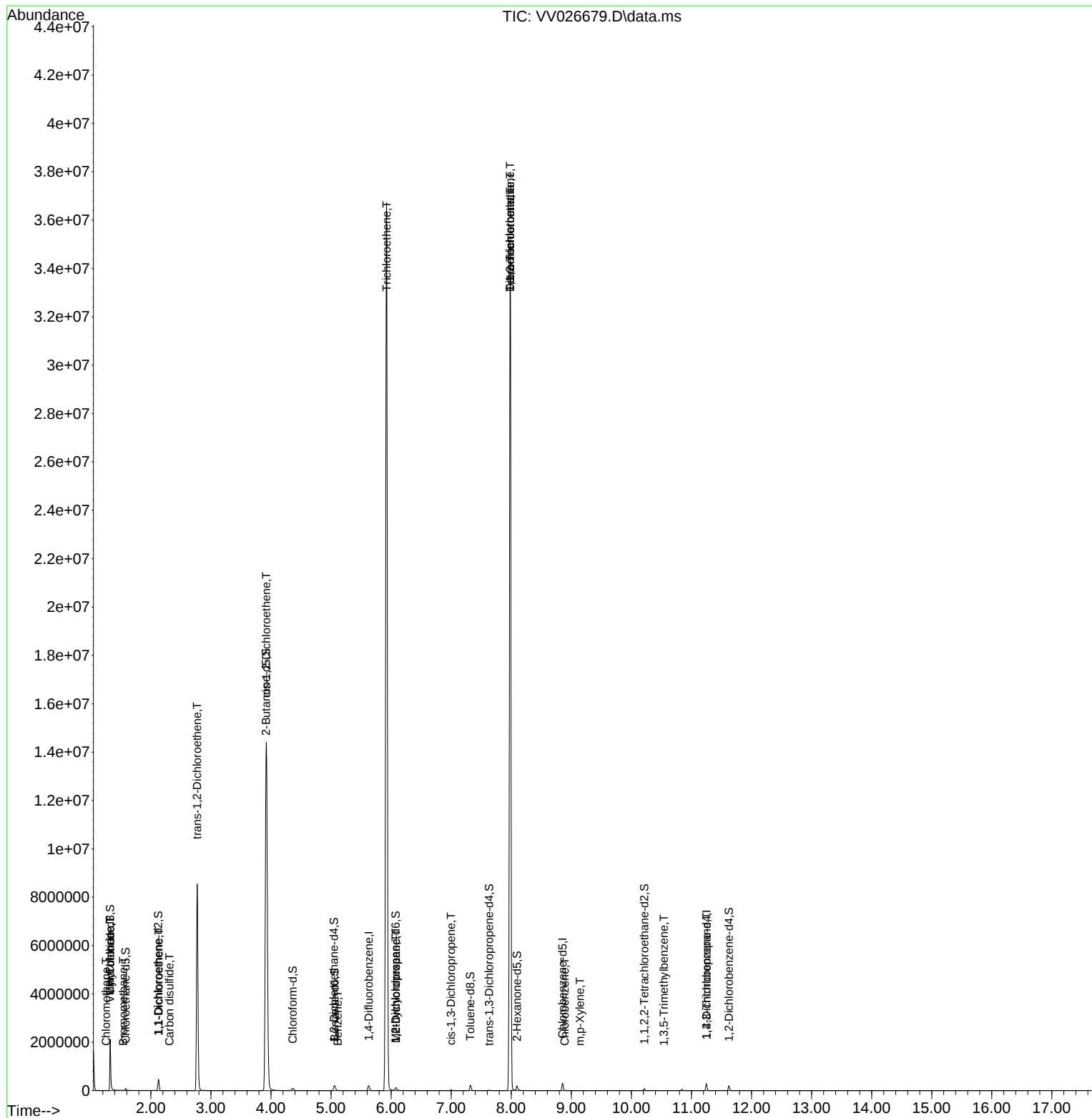
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
62) 1,3,5-Trimethylbenzene	10.541	105	1211	0.031 ug/L	92

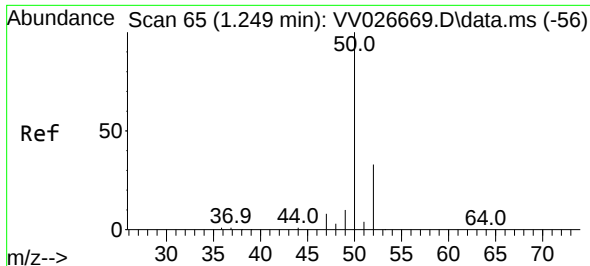
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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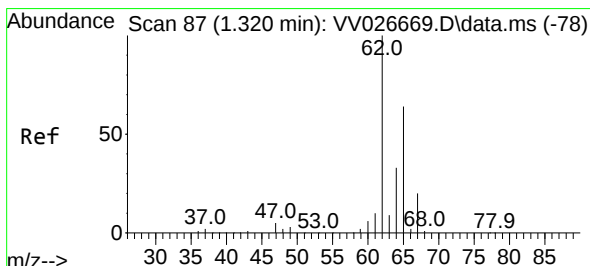
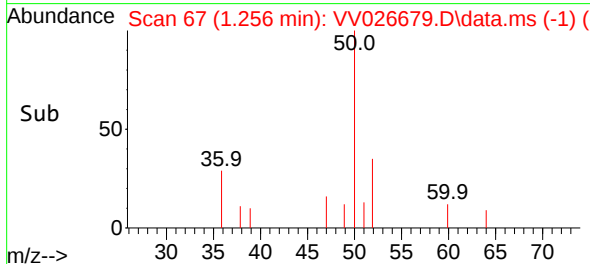
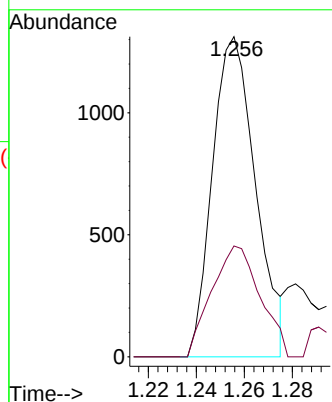
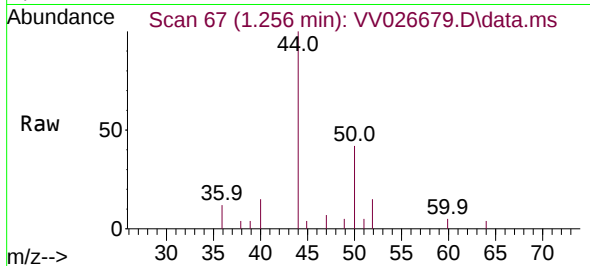




#3
Chloromethane
Concen: 0.102 ug/L
RT: 1.256 min Scan# 61
Delta R.T. 0.006 min
Lab File: VV026679.D
Acq: 07 Jul 2022 16:07

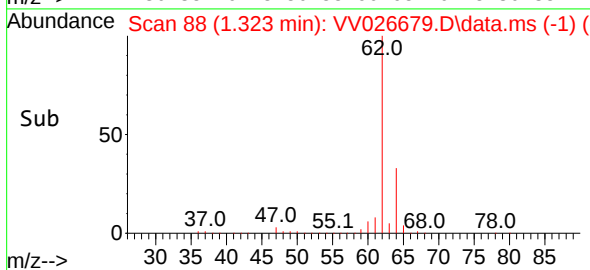
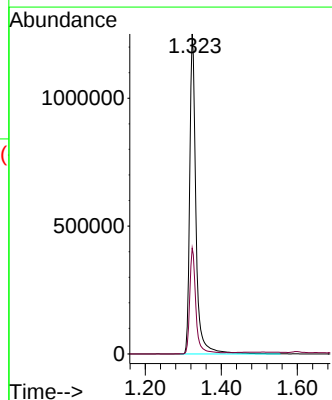
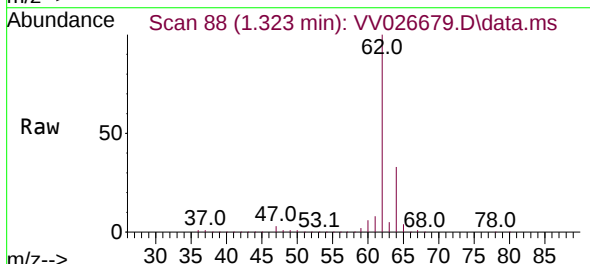
Instrument :
MSVOA_V
ClientSampleId :
DBUA8

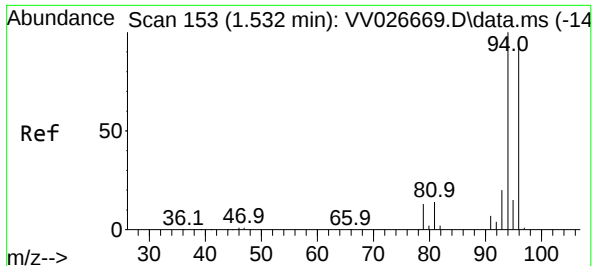
Tgt Ion: 50 Resp: 1636
Ion Ratio Lower Upper
50 100
52 34.6 23.0 42.6



#5
Vinyl chloride
Concen: 83.239 ug/L
RT: 1.323 min Scan# 88
Delta R.T. 0.003 min
Lab File: VV026679.D
Acq: 07 Jul 2022 16:07

Tgt Ion: 62 Resp: 1420643
Ion Ratio Lower Upper
62 100
64 33.1 26.2 48.6

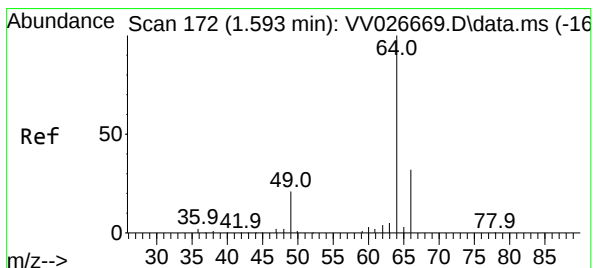
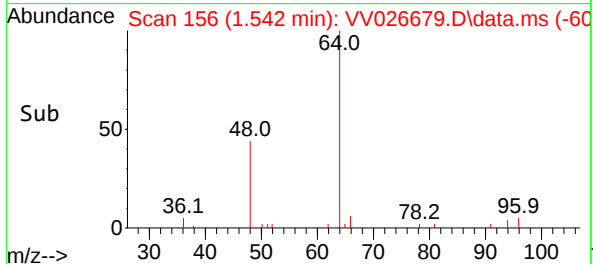
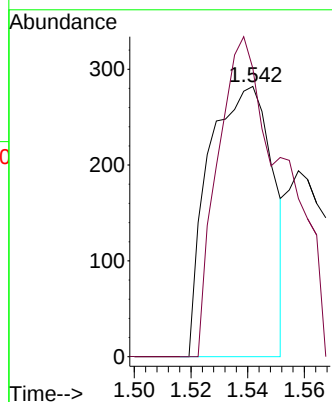
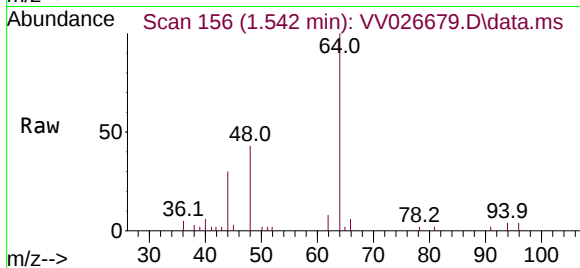




#6
Bromomethane
Concen: 0.048 ug/L
RT: 1.542 min Scan# 11
Delta R.T. 0.009 min
Lab File: VV026679.D
Acq: 07 Jul 2022 16:07

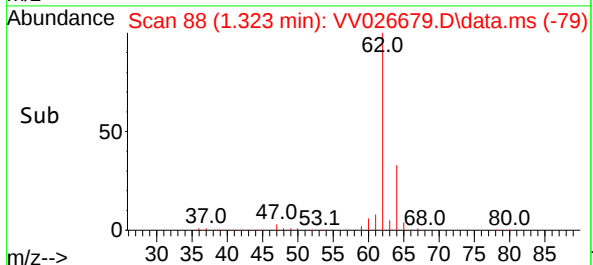
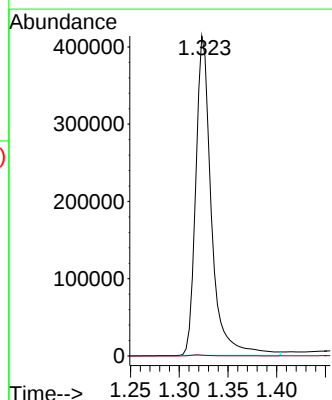
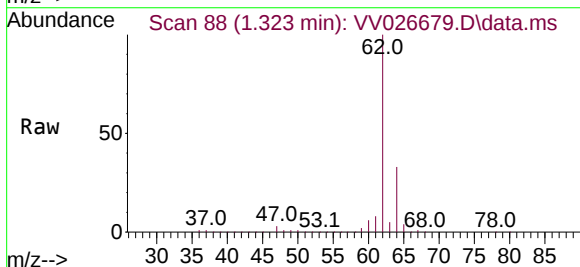
Instrument :
MSVOA_V
ClientSampleId :
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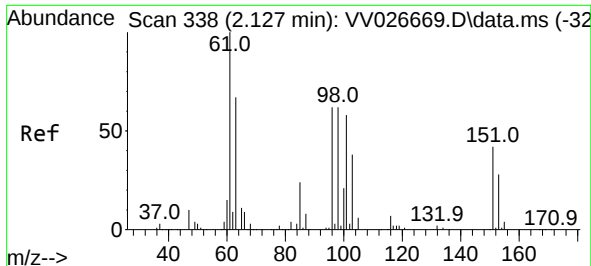
Tgt Ion: 94 Resp: 441
Ion Ratio Lower Upper
94 100
96 106.7 68.0 126.2



#8
Chloroethane
Concen: 39.739 ug/L
RT: 1.323 min Scan# 88
Delta R.T. -0.270 min
Lab File: VV026679.D
Acq: 07 Jul 2022 16:07

Tgt Ion: 64 Resp: 461272
Ion Ratio Lower Upper
64 100
66 0.3 20.0 37.2#

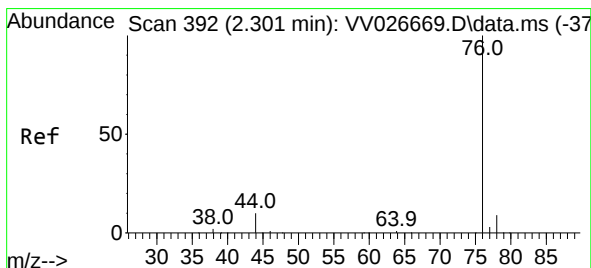
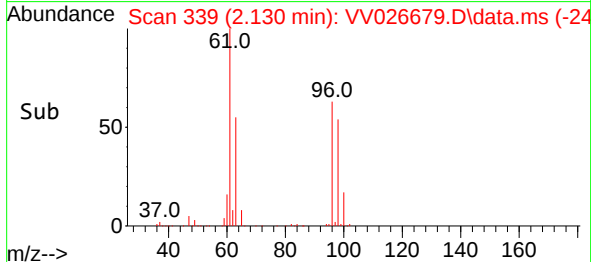
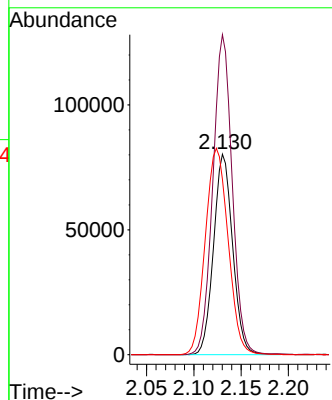
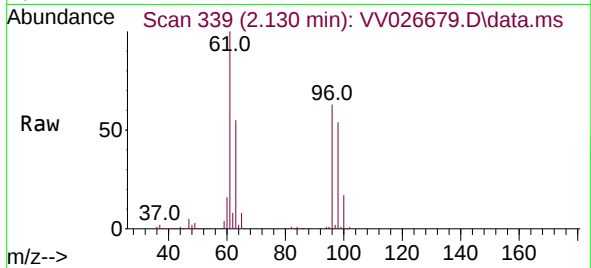




#12
1,1-Dichloroethene
Concen: 8.675 ug/L
RT: 2.130 min Scan# 311
Delta R.T. 0.003 min
Lab File: VV026679.D
Acq: 07 Jul 2022 16:07

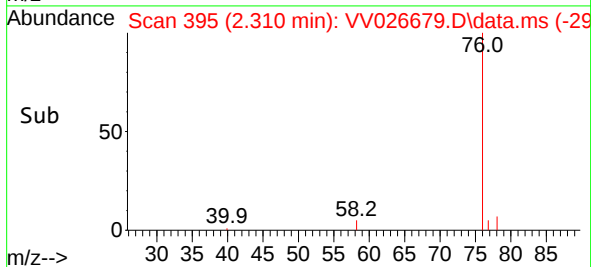
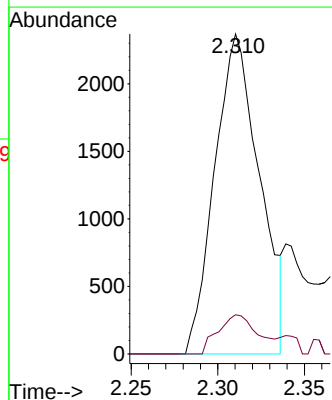
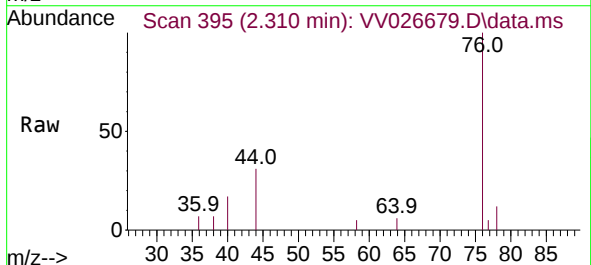
Instrument :
MSVOA_V
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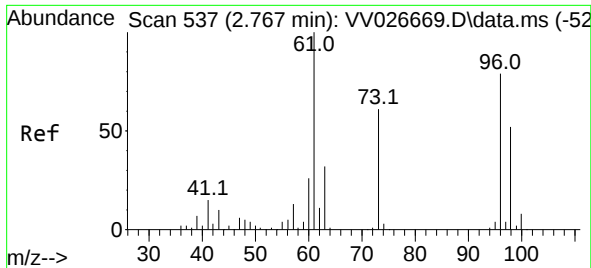
Tgt Ion: 96 Resp: 112784
Ion Ratio Lower Upper
96 100
61 159.6 115.4 214.4
63 87.5 87.4 162.2



#14
Carbon disulfide
Concen: 0.124 ug/L
RT: 2.310 min Scan# 395
Delta R.T. 0.009 min
Lab File: VV026679.D
Acq: 07 Jul 2022 16:07

Tgt Ion: 76 Resp: 4257
Ion Ratio Lower Upper
76 100
78 12.2 7.8 11.6#



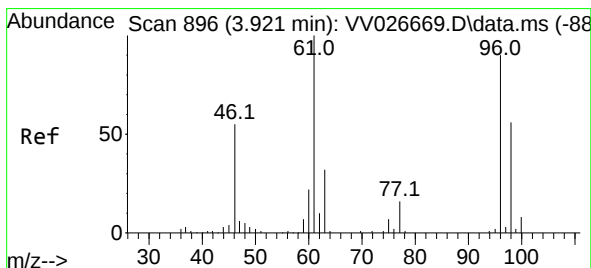
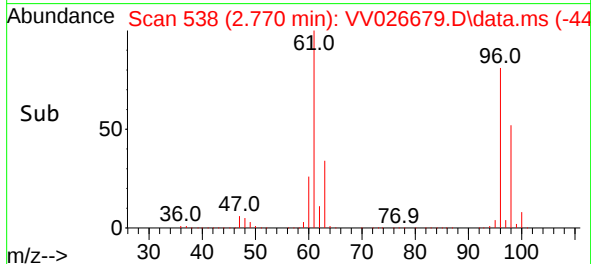
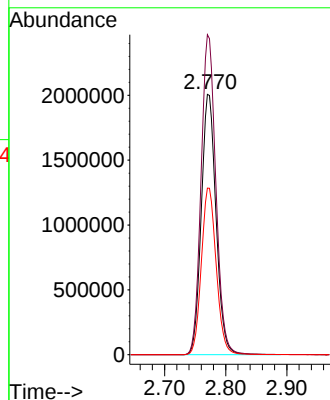
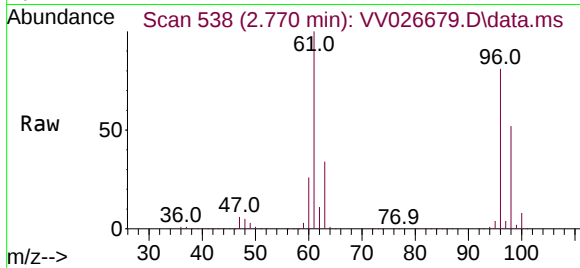


#18
trans-1,2-Dichloroethene
Concen: 253.534 ug/L
RT: 2.770 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV026679.D
Acq: 07 Jul 2022 16:07

Instrument :
MSVOA_V
ClientSampleId :
DBUA8

Tgt Ion: 96 Resp: 3362813

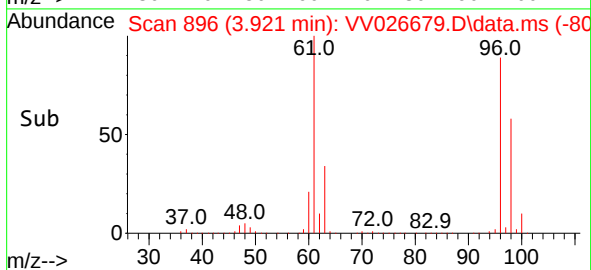
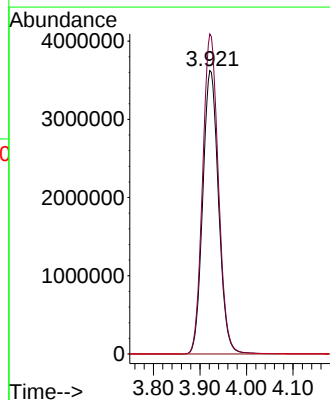
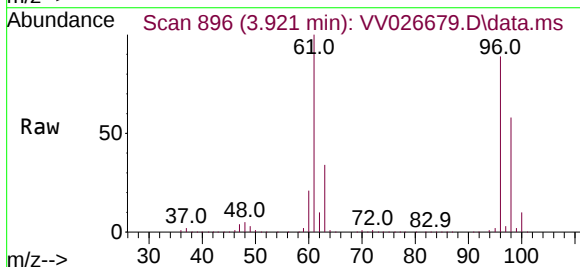
Ion	Ratio	Lower	Upper
96	100		
61	122.9	90.4	167.8
98	64.0	45.6	84.8

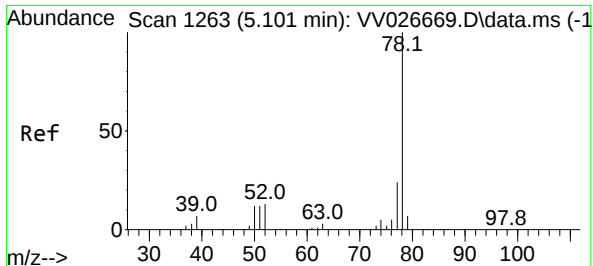


#22
cis-1,2-Dichloroethene
Concen: 648.088 ug/L
RT: 3.921 min Scan# 896
Delta R.T. -0.000 min
Lab File: VV026679.D
Acq: 07 Jul 2022 16:07

Tgt Ion: 96 Resp: 8535949

Ion	Ratio	Lower	Upper
96	100		
61	112.9	82.0	152.2
68	0.0	0.0	0.0

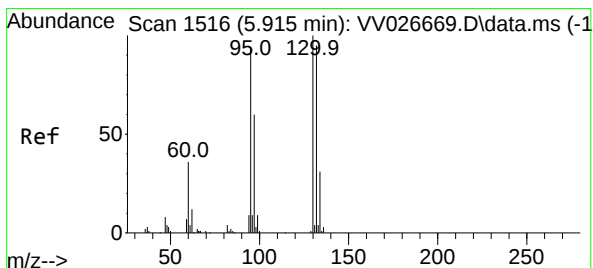
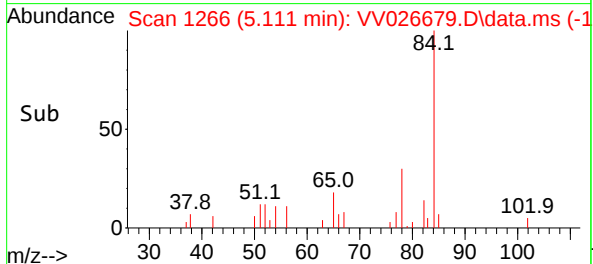
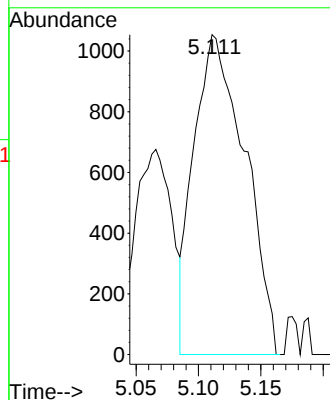
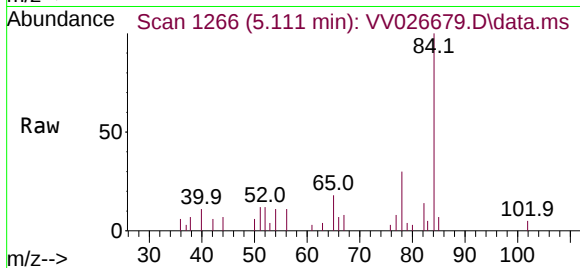




#33
Benzene
Concen: 0.056 ug/L
RT: 5.111 min Scan# 11
Delta R.T. 0.009 min
Lab File: VV026679.D
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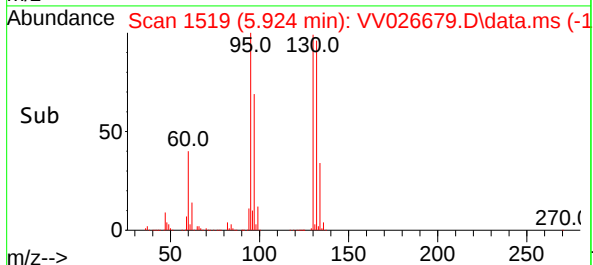
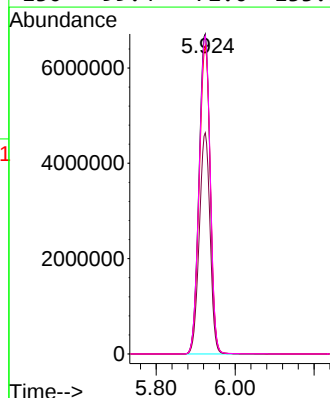
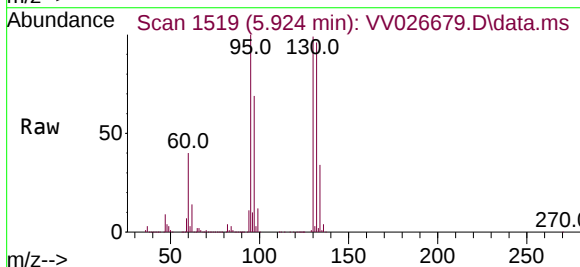
Tgt Ion: 78 Resp: 2994

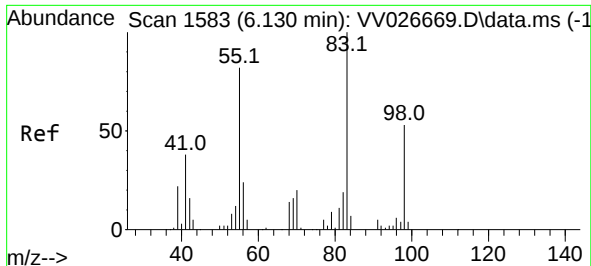


#34
Trichloroethene
Concen: 929.991 ug/L
RT: 5.924 min Scan# 1519
Delta R.T. 0.009 min
Lab File: VV026679.D
Acq: 07 Jul 2022 16:07

Tgt Ion: 95 Resp:13002198

Ion	Ratio	Lower	Upper
95	100		
97	69.1	46.8	87.0
132	96.3	69.9	129.7
130	99.4	72.0	133.8

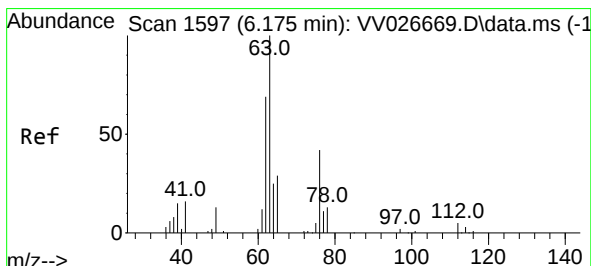
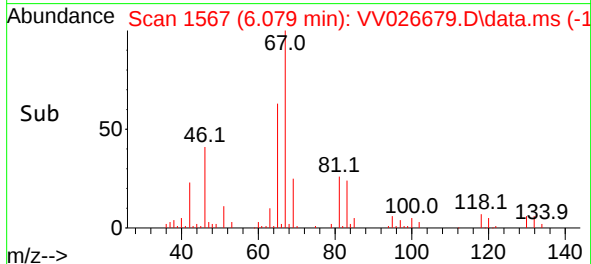
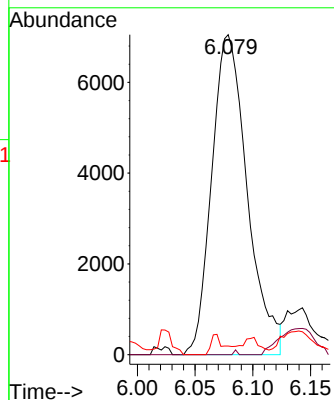
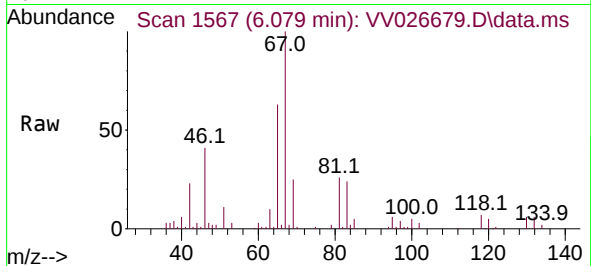




#35
Methylcyclohexane
Concen: 0.729 ug/L
RT: 6.079 min Scan# 1567
Delta R.T. -0.052 min
Lab File: VV026679.D
Acq: 07 Jul 2022 16:07

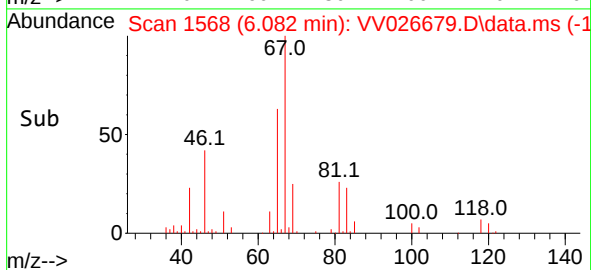
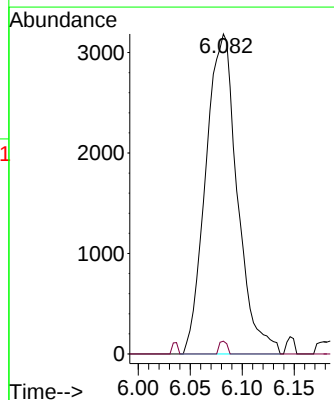
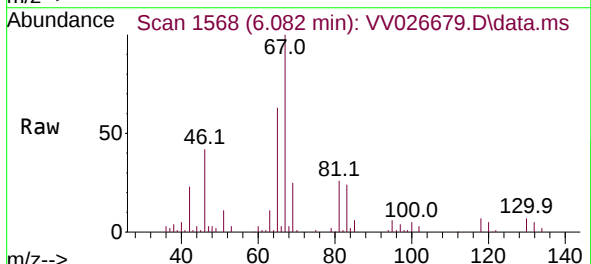
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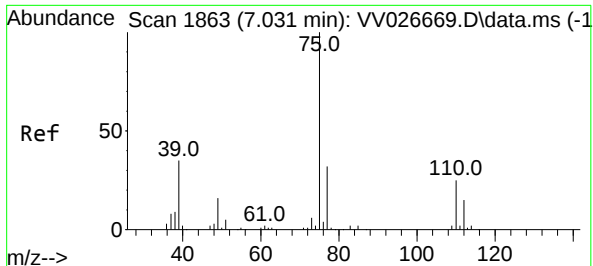
Tgt Ion: 83 Resp: 15075
Ion Ratio Lower Upper
83 100
55 8.2 57.0 85.4#
98 0.0 39.8 59.8#



#37
1,2-Dichloropropane
Concen: 0.526 ug/L
RT: 6.082 min Scan# 1568
Delta R.T. -0.093 min
Lab File: VV026679.D
Acq: 07 Jul 2022 16:07

Tgt Ion: 63 Resp: 6737
Ion Ratio Lower Upper
63 100
112 1.0 4.2 6.4#





#39

cis-1,3-Dichloropropene

Concen: 0.083 ug/L

RT: 6.995 min Scan# 11

Delta R.T. -0.036 min

Lab File: VV026679.D

Acq: 07 Jul 2022 16:07

Instrument :

MSVOA_V

ClientSampleId :

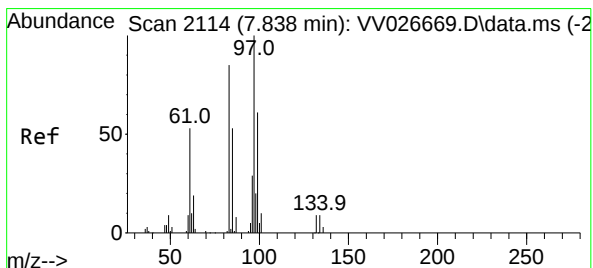
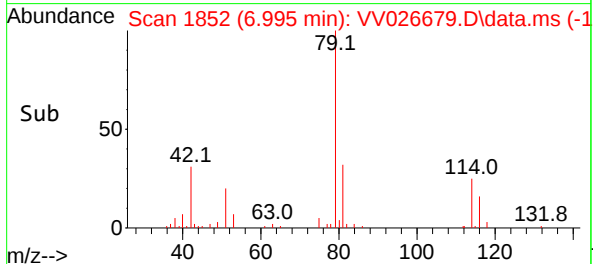
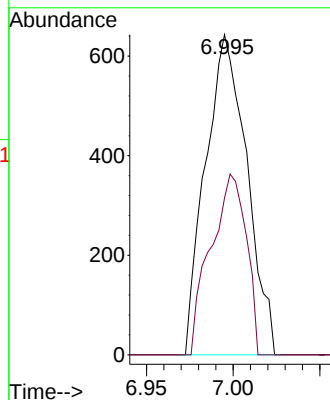
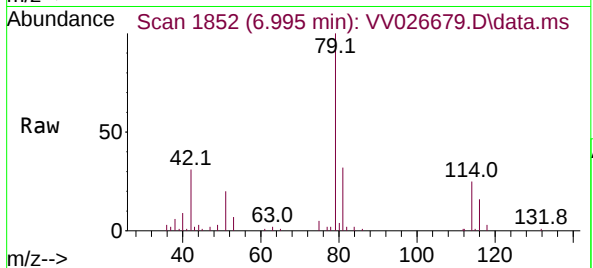
DBUA8

Tgt Ion: 75 Resp: 1065

Ion Ratio Lower Upper

75 100

77 49.0 22.8 42.4#



#45

1,1,2-Trichloroethane

Concen: 8.296 ug/L

RT: 7.982 min Scan# 2159

Delta R.T. 0.144 min

Lab File: VV026679.D

Acq: 07 Jul 2022 16:07

Tgt Ion: 97 Resp: 67052

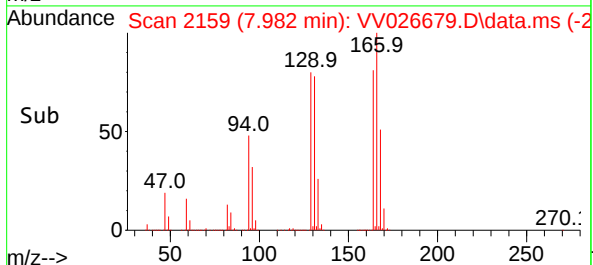
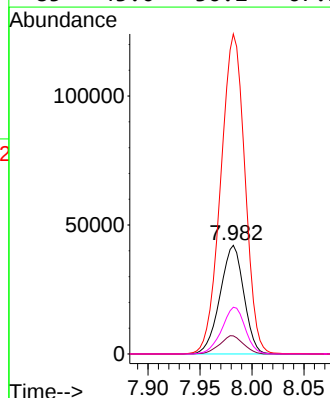
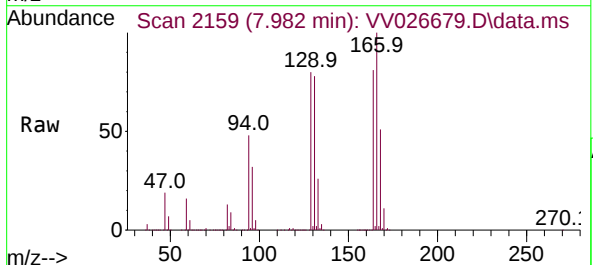
Ion Ratio Lower Upper

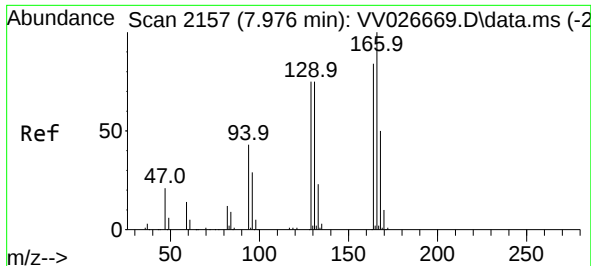
97 100

99 16.6 43.4 80.6#

83 294.4 58.0 107.8#

85 43.0 36.2 67.2

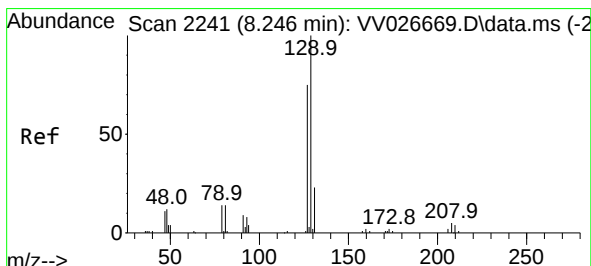
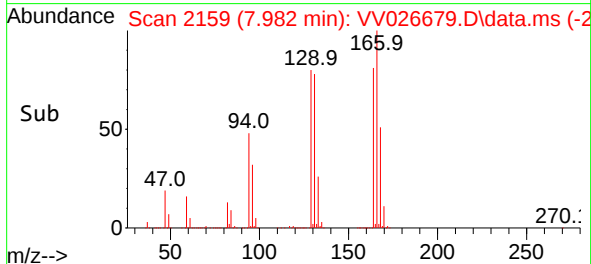
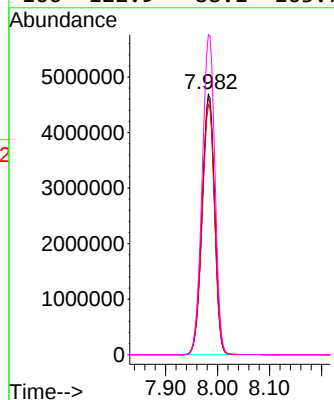
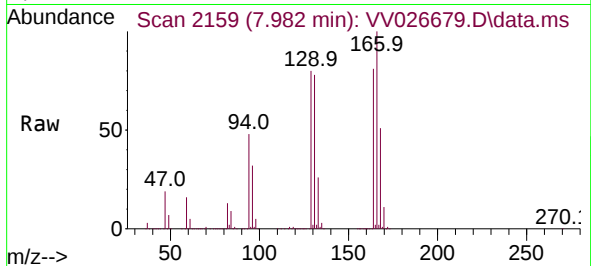




#47
Tetrachloroethene
Concen: 710.622 ug/L
RT: 7.982 min Scan# 2159
Delta R.T. 0.006 min
Lab File: VV026679.D
Acq: 07 Jul 2022 16:07

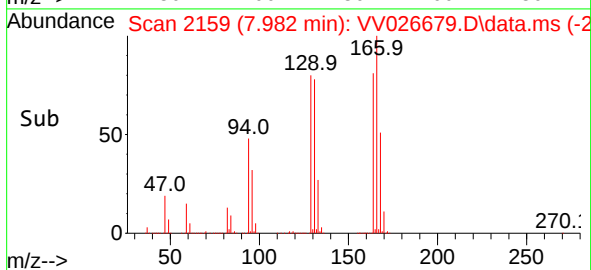
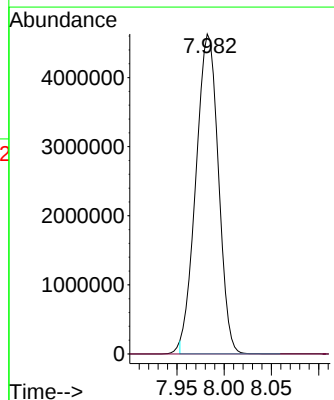
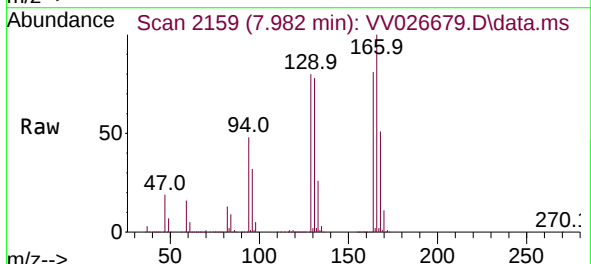
Instrument :
MSVOA_V
ClientSampleId :
DBUA8

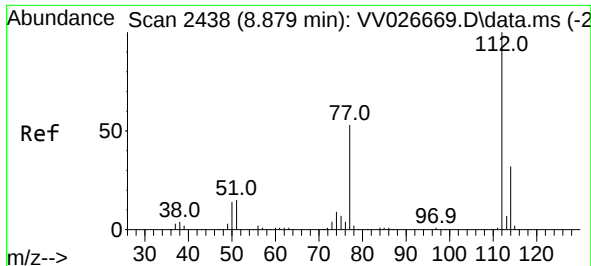
Tgt Ion:164 Resp: 7910074
Ion Ratio Lower Upper
164 100
129 98.8 66.4 123.2
131 96.1 64.4 119.6
166 122.9 88.1 163.7



#49
Dibromochloromethane
Concen: 932.742 ug/L
RT: 7.982 min Scan# 2159
Delta R.T. -0.264 min
Lab File: VV026679.D
Acq: 07 Jul 2022 16:07

Tgt Ion:129 Resp: 7634022
Ion Ratio Lower Upper
129 100
127 0.0 54.2 100.6#

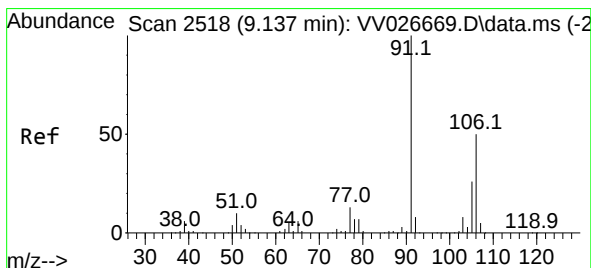
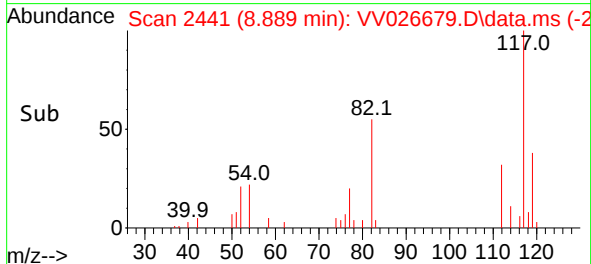
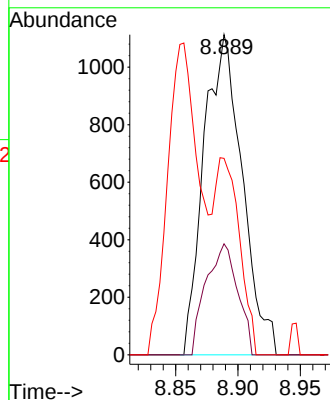
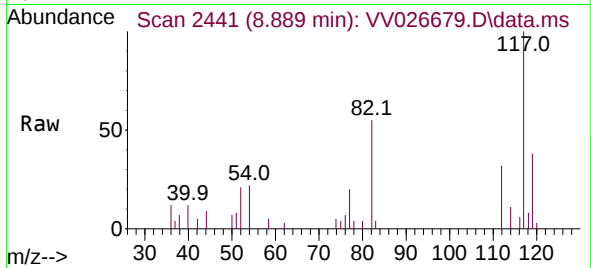




#51
Chlorobenzene
Concen: 0.066 ug/L
RT: 8.889 min Scan# 2438
Delta R.T. 0.009 min
Lab File: VV026679.D
Acq: 07 Jul 2022 16:07

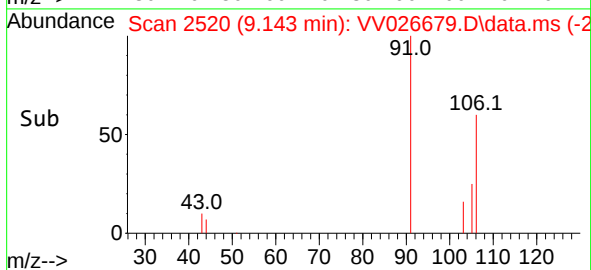
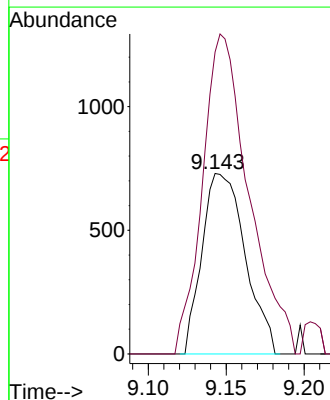
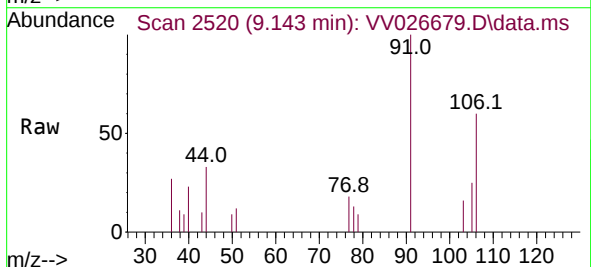
Instrument :
MSVOA_V
ClientSampleId :
DBUA8

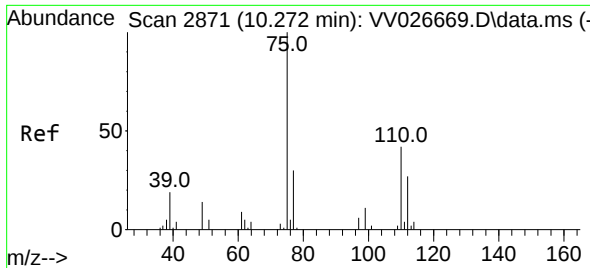
Tgt Ion:112	Resp:	2385
Ion Ratio	Lower	Upper
112	100	
114	34.7	22.3 41.5
77	61.4	44.4 66.6



#53
m,p-Xylene
Concen: 0.063 ug/L
RT: 9.143 min Scan# 2520
Delta R.T. 0.006 min
Lab File: VV026679.D
Acq: 07 Jul 2022 16:07

Tgt Ion:106	Resp:	1404
Ion Ratio	Lower	Upper
106	100	
91	167.3	139.9 259.9

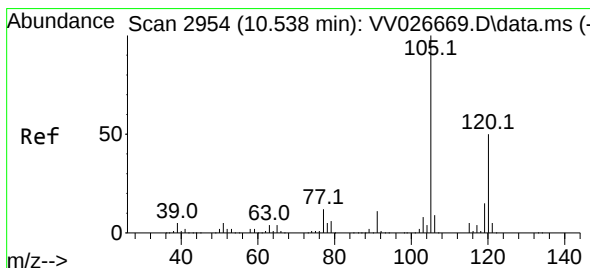
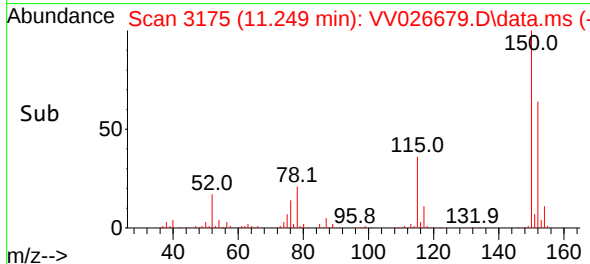
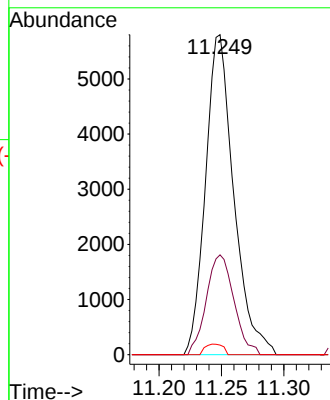
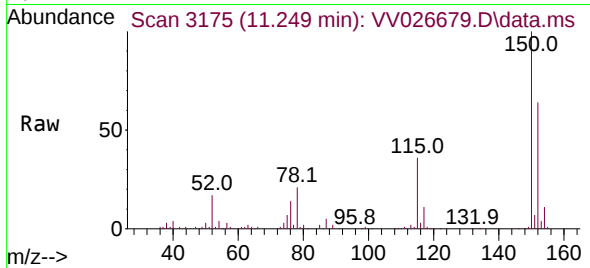




#61
1,2,3-Trichloropropane
Concen: 1.780 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.977 min
Lab File: VV026679.D
Acq: 07 Jul 2022 16:07

Instrument :
MSVOA_V
ClientSampleId :
DBUA8

Tgt Ion: 75 Resp: 9140
Ion Ratio Lower Upper
75 100
77 30.4 25.8 38.6
110 2.1 32.5 48.7#



#62
1,3,5-Trimethylbenzene
Concen: 0.031 ug/L
RT: 10.541 min Scan# 2955
Delta R.T. 0.003 min
Lab File: VV026679.D
Acq: 07 Jul 2022 16:07

Tgt Ion: 105 Resp: 1211
Ion Ratio Lower Upper
105 100
120 44.3 39.6 59.4

