

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW100522\
 Data File : VW028373.D
 Acq On : 05 Oct 2022 17:02
 Operator : SY/MD
 Sample : N4872-01DL 10X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXFW7DL

Quant Time: Oct 06 02:33:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Oct 04 02:28:45 2022
 Response via : Initial Calibration

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

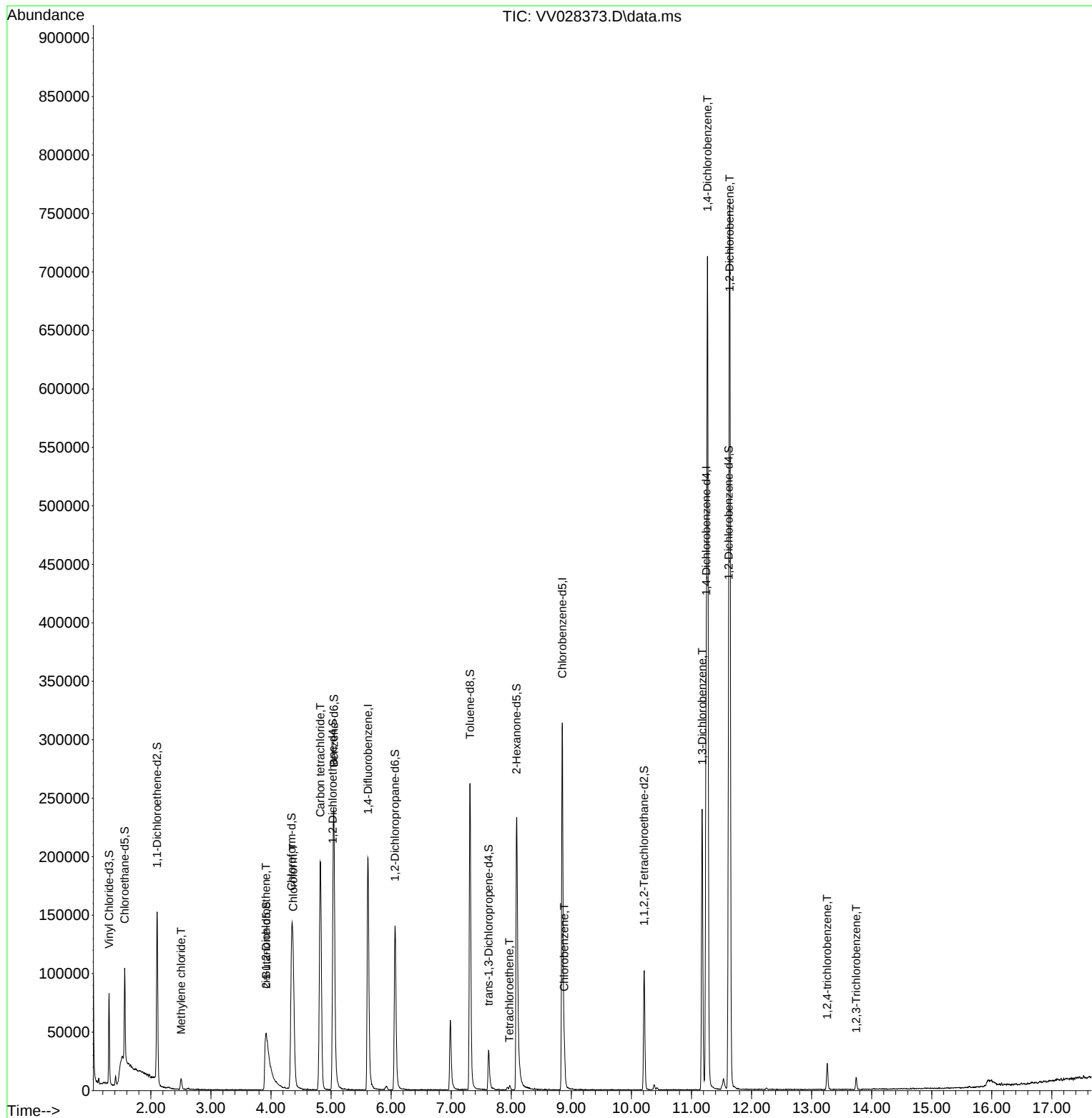
Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	186664	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	183721	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	88588	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	48266	3.441	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.800%
7) Chloroethane-d5	1.565	69	49100	4.135	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.800%
11) 1,1-Dichloroethene-d2	2.105	63	74839	2.831	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.600%#
20) 2-Butanone-d5	3.921	46	122273	51.525	ug/L	0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.040%
24) Chloroform-d	4.343	84	126901	4.994	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.800%
26) 1,2-Dichloroethane-d4	5.031	65	53261	4.521	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.400%
32) Benzene-d6	5.047	84	233998	4.643	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.800%
36) 1,2-Dichloropropane-d6	6.066	67	73772	5.103	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.000%
41) Toluene-d8	7.313	98	185935	4.011	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.200%
43) trans-1,3-Dichloroprop...	7.622	79	22079	4.010	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.200%
46) 2-Hexanone-d5	8.088	63	95933	42.565	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.140%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	50706	4.627	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.600%
66) 1,2-Dichlorobenzene-d4	11.619	152	75905	4.979	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.600%
Target Compounds						
					Qvalue	
16) Methylene chloride	2.503	84	3999	0.265	ug/L	94
22) cis-1,2-Dichloroethene	3.918	96	1929	0.137	ug/L	97
25) Chloroform	4.371	83	92101	3.536	ug/L	97
31) Carbon tetrachloride	4.822	117	151922	7.473	ug/L	99
47) Tetrachloroethene	7.969	164	755	0.063	ug/L	80
51) Chlorobenzene	8.883	112	20480	0.535	ug/L	96
64) 1,3-Dichlorobenzene	11.178	146	103996	3.905	ug/L	97
65) 1,4-Dichlorobenzene	11.268	146	292415	10.967	ug/L	98
67) 1,2-Dichlorobenzene	11.638	146	297900	12.335	ug/L	98
70) 1,2,4-trichlorobenzene	13.259	180	7827	0.488	ug/L	97
72) 1,2,3-Trichlorobenzene	13.744	180	3564	0.246	ug/L	92

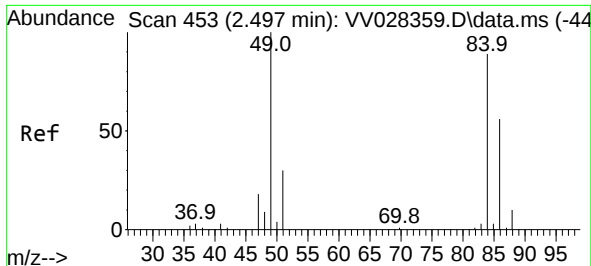
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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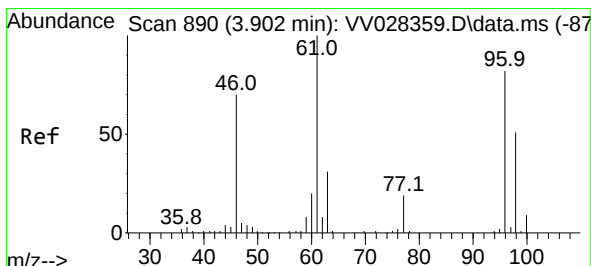
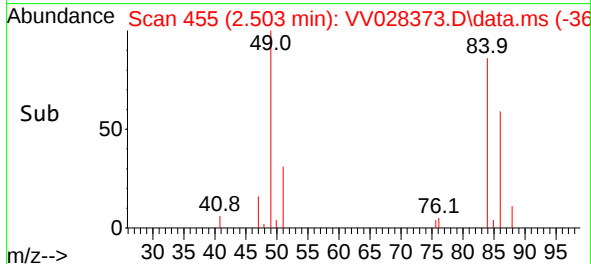
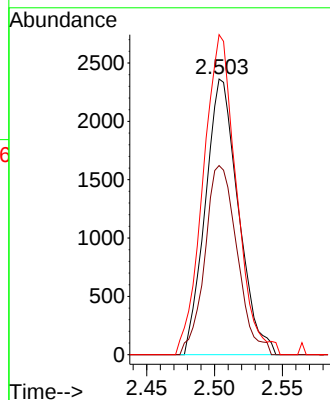
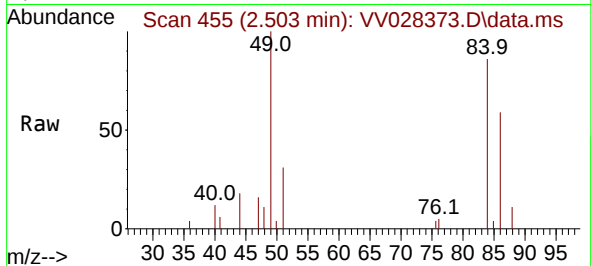




#16
Methylene chloride
Concen: 0.265 ug/L
RT: 2.503 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV028373.D
Acq: 05 Oct 2022 17:02

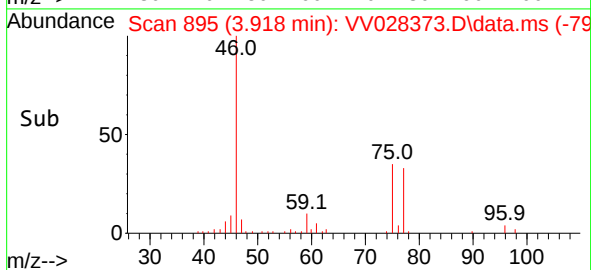
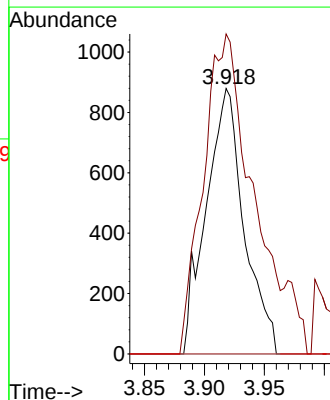
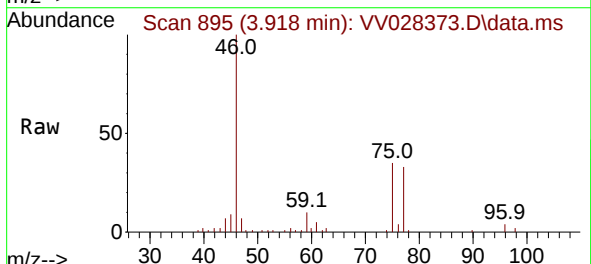
Instrument :
MSVOA_V
ClientSampleId :
EXFW7DL

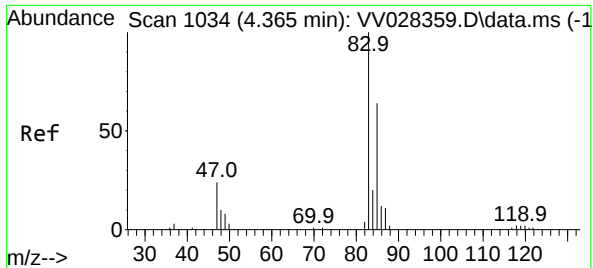
Tgt Ion: 84 Resp: 3999
Ion Ratio Lower Upper
84 100
86 68.6 46.8 86.8
49 116.1 87.5 162.5



#22
cis-1,2-Dichloroethene
Concen: 0.137 ug/L
RT: 3.918 min Scan# 895
Delta R.T. 0.013 min
Lab File: VV028373.D
Acq: 05 Oct 2022 17:02

Tgt Ion: 96 Resp: 1929
Ion Ratio Lower Upper
96 100
61 120.6 87.2 161.9
68 0.0 0.0 0.0





#25

Chloroform

Concen: 3.536 ug/L

RT: 4.371 min Scan# 1103

Delta R.T. 0.003 min

Lab File: VV028373.D

Acq: 05 Oct 2022 17:02

Instrument :

MSVOA_V

ClientSampleId :

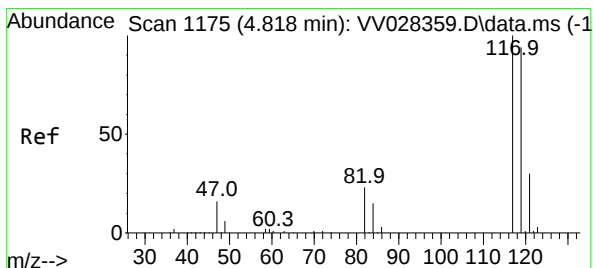
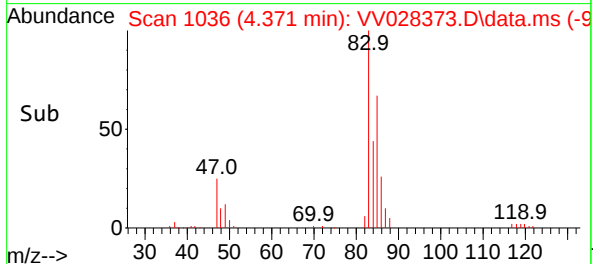
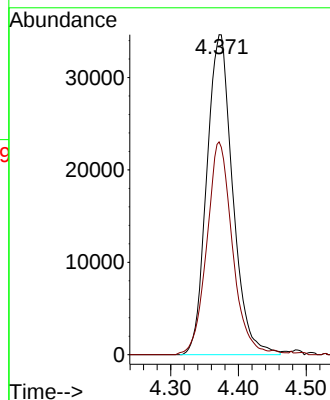
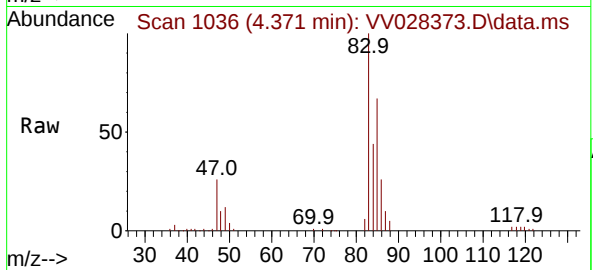
EXFW7DL

Tgt Ion: 83 Resp: 92101

Ion Ratio Lower Upper

83 100

85 66.5 45.1 83.7



#31

Carbon tetrachloride

Concen: 7.473 ug/L

RT: 4.822 min Scan# 1176

Delta R.T. 0.003 min

Lab File: VV028373.D

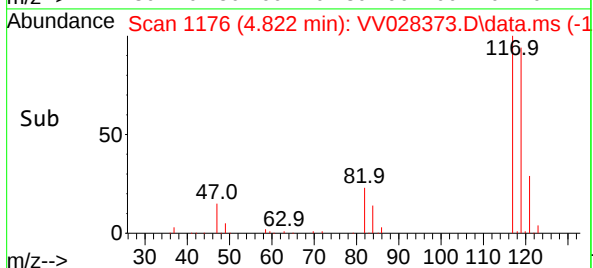
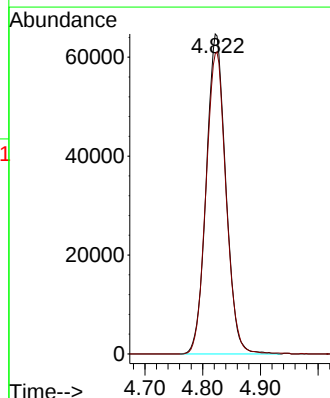
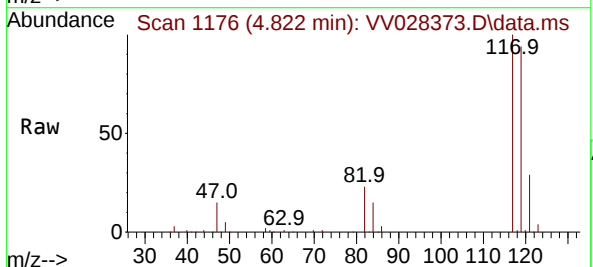
Acq: 05 Oct 2022 17:02

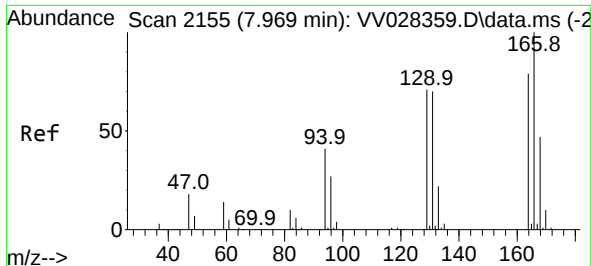
Tgt Ion: 117 Resp: 151922

Ion Ratio Lower Upper

117 100

119 96.7 76.9 115.3





#47

Tetrachloroethene

Concen: 0.063 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. 0.000 min

Lab File: VV028373.D

Acq: 05 Oct 2022 17:02

Instrument :

MSVOA_V

ClientSampleId :

EXFW7DL

Tgt Ion:164 Resp: 755

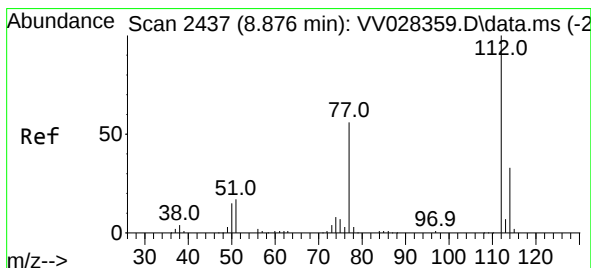
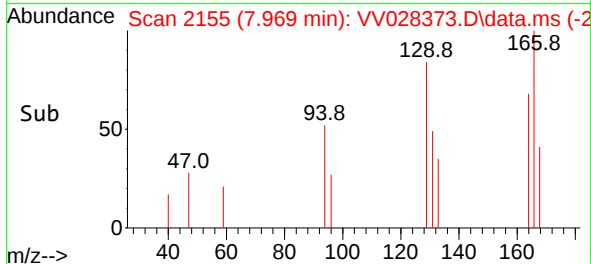
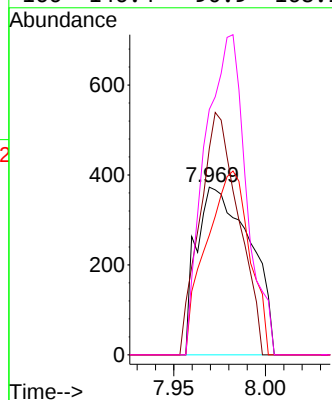
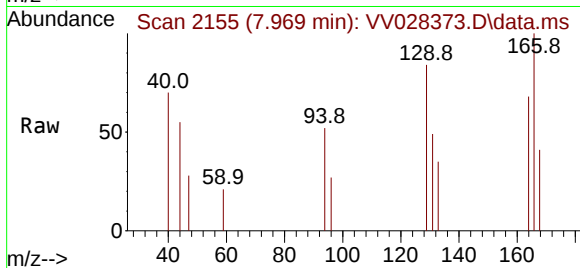
Ion Ratio Lower Upper

164 100

129 123.1 66.7 123.9

131 71.3 61.7 114.5

166 146.4 90.9 168.9



#51

Chlorobenzene

Concen: 0.535 ug/L

RT: 8.883 min Scan# 2439

Delta R.T. 0.003 min

Lab File: VV028373.D

Acq: 05 Oct 2022 17:02

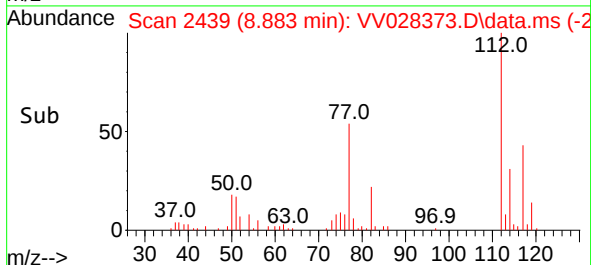
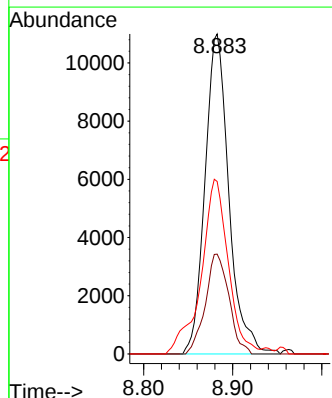
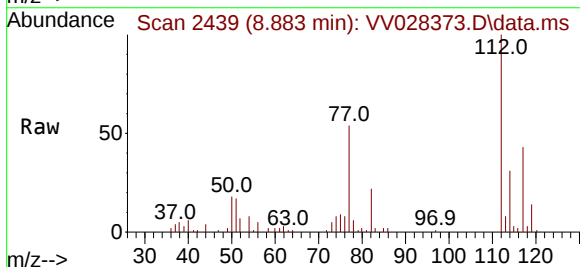
Tgt Ion:112 Resp: 20480

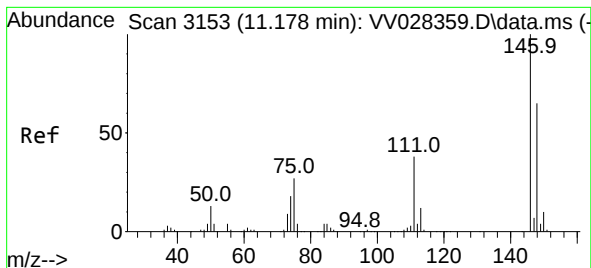
Ion Ratio Lower Upper

112 100

114 31.2 22.5 41.7

77 53.9 46.1 69.1





#64

1,3-Dichlorobenzene

Concen: 3.905 ug/L

RT: 11.178 min Scan# 3153

Delta R.T. 0.000 min

Lab File: VV028373.D

Acq: 05 Oct 2022 17:02

Instrument :

MSVOA_V

ClientSampleId :

EXFW7DL

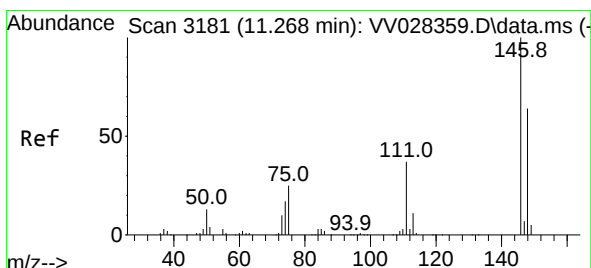
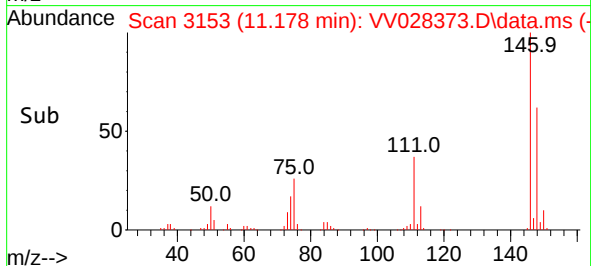
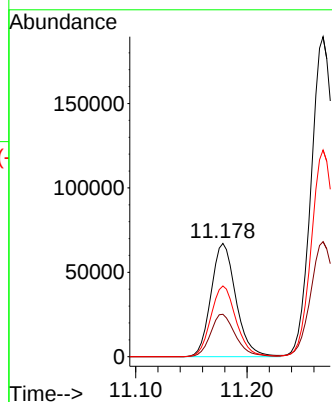
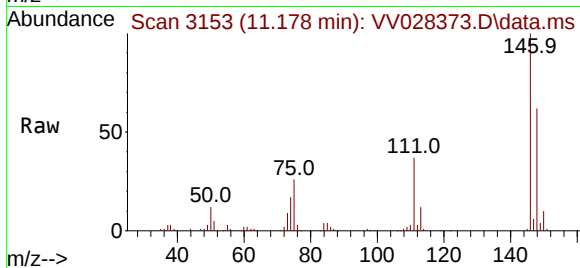
Tgt Ion:146 Resp: 103996

Ion Ratio Lower Upper

146 100

111 37.5 27.1 50.3

148 62.4 45.7 84.9



#65

1,4-Dichlorobenzene

Concen: 10.967 ug/L

RT: 11.268 min Scan# 3181

Delta R.T. 0.000 min

Lab File: VV028373.D

Acq: 05 Oct 2022 17:02

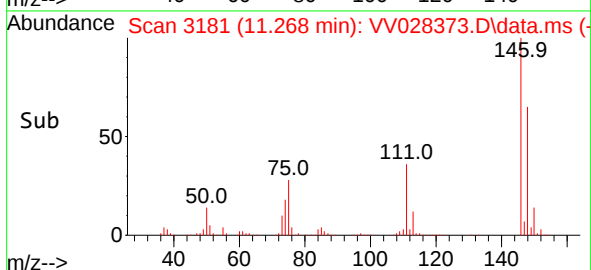
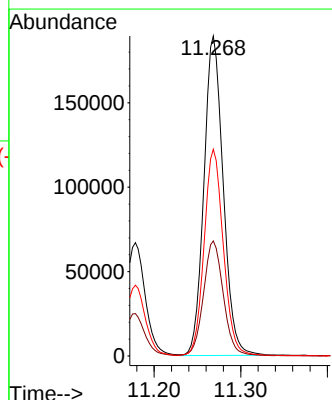
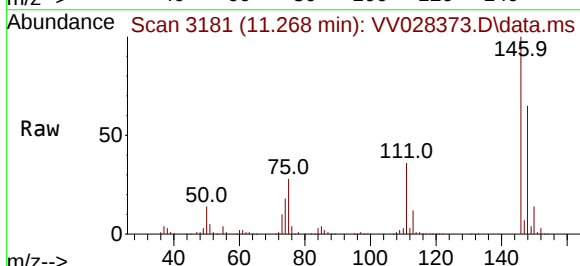
Tgt Ion:146 Resp: 292415

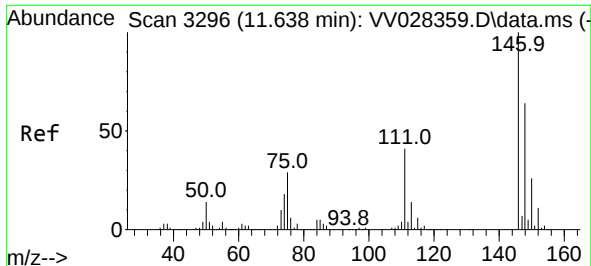
Ion Ratio Lower Upper

146 100

111 36.0 26.2 48.8

148 64.6 45.8 85.2





#67

1,2-Dichlorobenzene

Concen: 12.335 ug/L

RT: 11.638 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV028373.D

Acq: 05 Oct 2022 17:02

Instrument :

MSVOA_V

ClientSampleId :

EXFW7DL

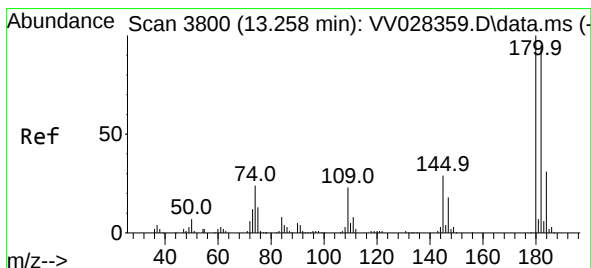
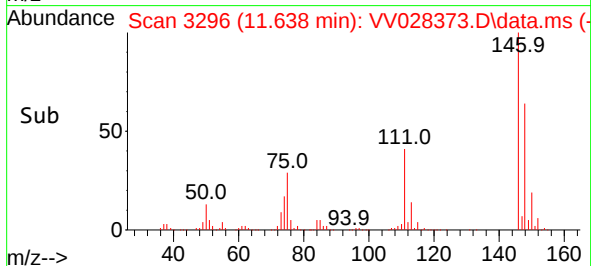
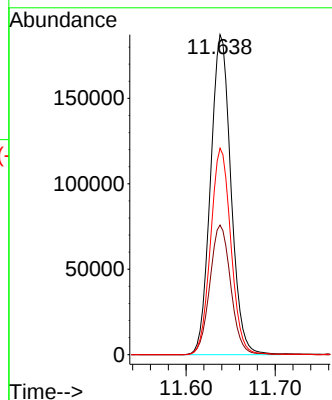
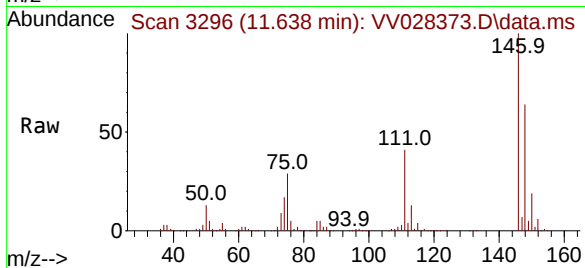
Tgt Ion:146 Resp: 297900

Ion Ratio Lower Upper

146 100

111 40.5 32.6 49.0

148 64.5 50.1 75.1



#70

1,2,4-trichlorobenzene

Concen: 0.488 ug/L

RT: 13.259 min Scan# 3800

Delta R.T. 0.000 min

Lab File: VV028373.D

Acq: 05 Oct 2022 17:02

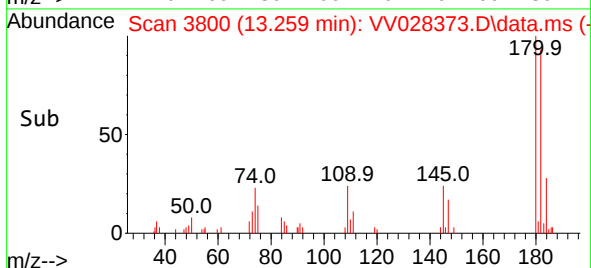
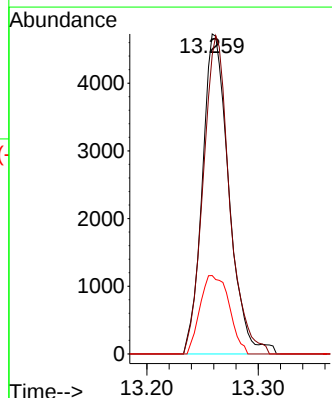
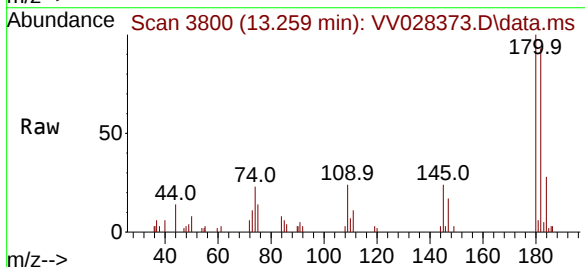
Tgt Ion:180 Resp: 7827

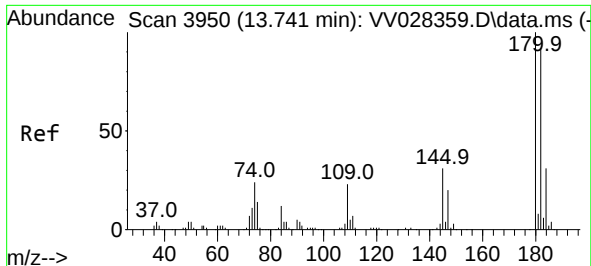
Ion Ratio Lower Upper

180 100

182 98.1 76.3 114.5

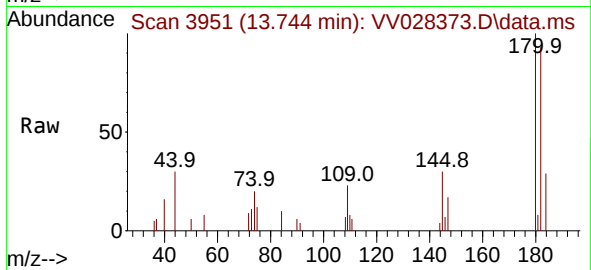
145 26.8 22.9 34.3





#72
 1,2,3-Trichlorobenzene
 Concen: 0.246 ug/L
 RT: 13.744 min Scan# 3951
 Delta R.T. 0.003 min
 Lab File: VV028373.D
 Acq: 05 Oct 2022 17:02

Instrument :
 MSVOA_V
 ClientSampleId :
 EXFW7DL



Tgt Ion:	180	Resp:	3564
Ion	Ratio	Lower	Upper
180	100		
182	106.1	77.4	116.0
145	31.3	24.6	36.8

