

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 :

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
5) Vinyl chloride	1.307	62	896	0.056	ug/L #	1
8) Chloroethane	1.516	64	40443	3.787	ug/L #	51
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
35) Methylcyclohexane	6.066	83	18604	0.832	ug/L #	16
37) 1,2-Dichloropropane	6.063	63	7804	0.616	ug/L #	87
39) cis-1,3-Dichloropropene	6.982	75	1500	0.083	ug/L #	71
47) Tetrachloroethene	7.969	164	755	0.063	ug/L	80
49) Dibromochloromethane	7.973	129	793	0.067	ug/L #	11
51) Chlorobenzene	8.883	112	20480	0.535	ug/L	96
61) 1,2,3-Trichloropropane	11.178	75	26565	3.886	ug/L #	50
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

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Oct 04 02:28:45 2022
Response via : Initial Calibration

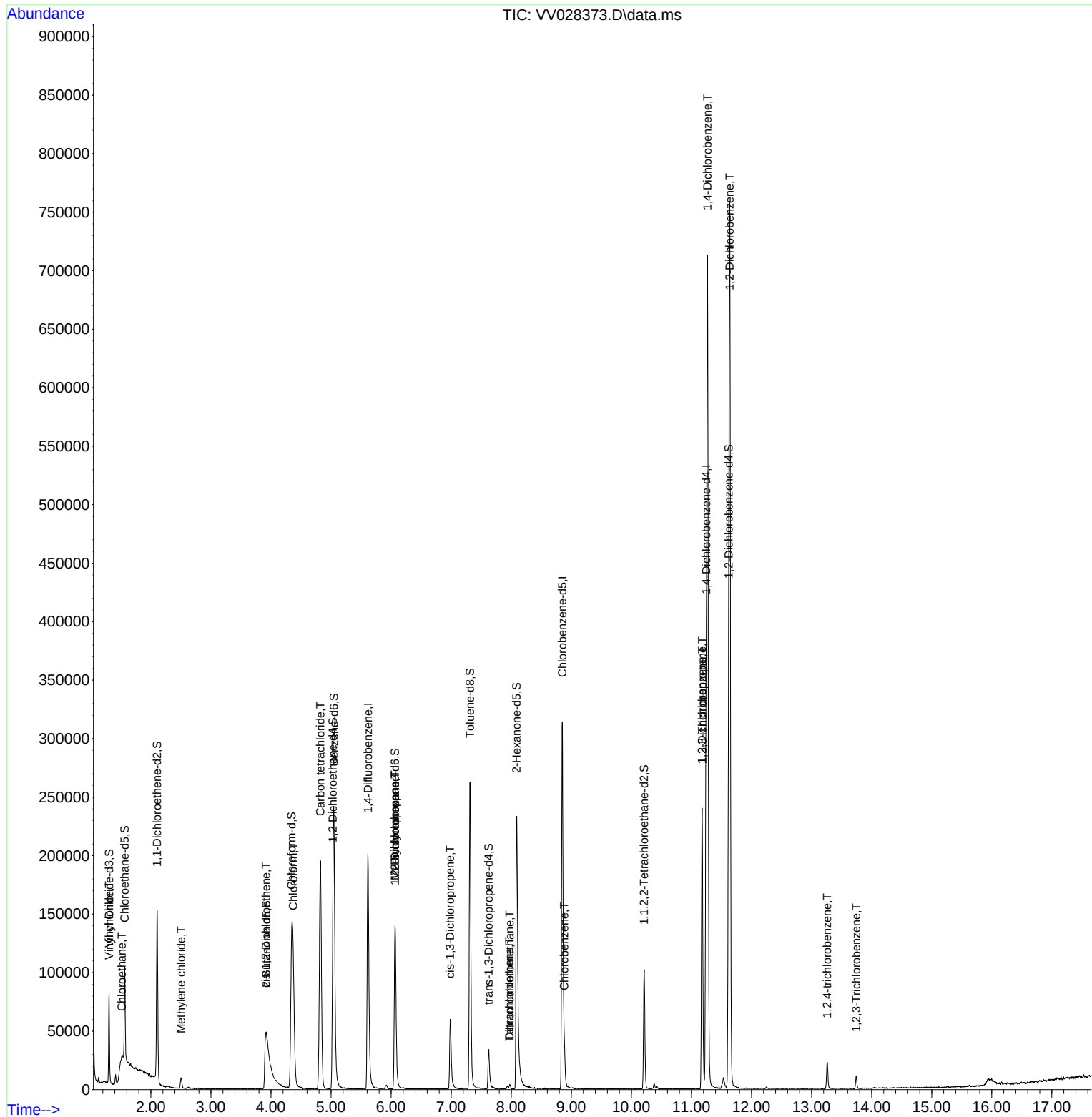
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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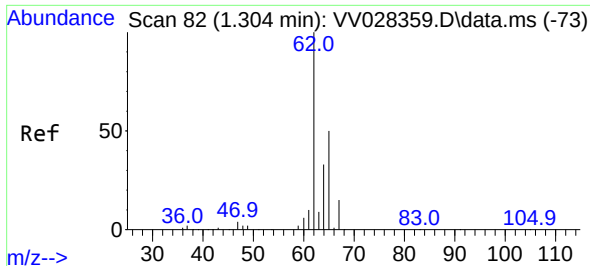
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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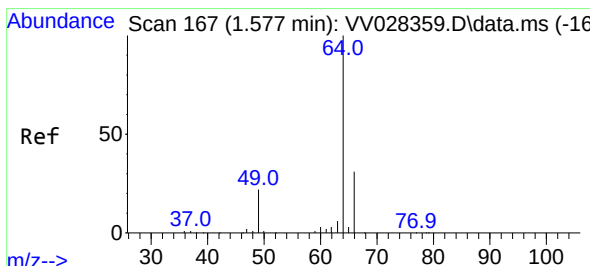
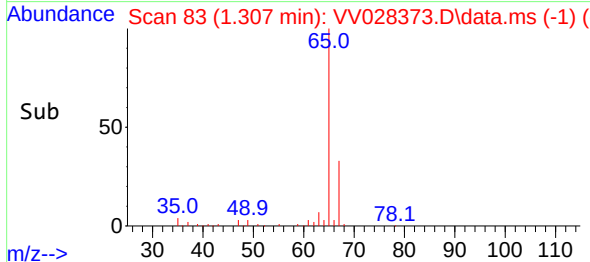
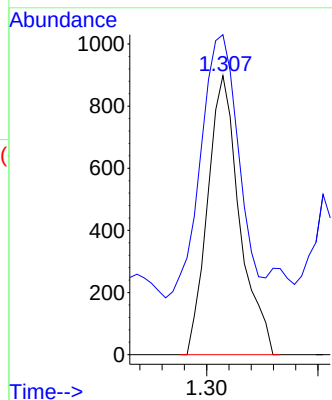
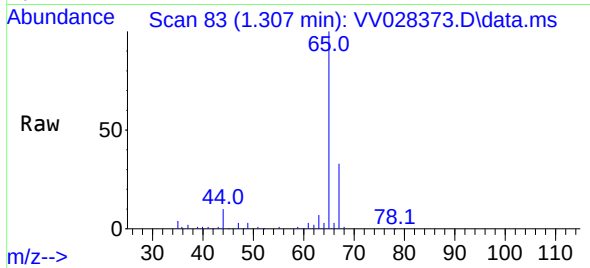




#5
 Vinyl chloride
 Concen: 0.056 ug/L
 RT: 1.307 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VV028373.D
 Acq: 05 Oct 2022 17:02

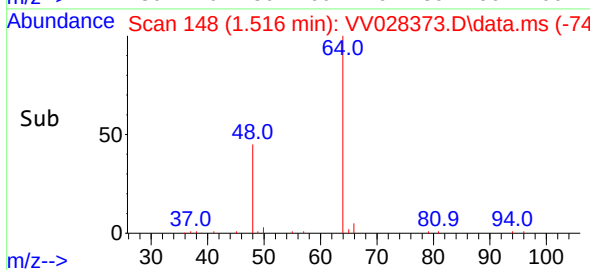
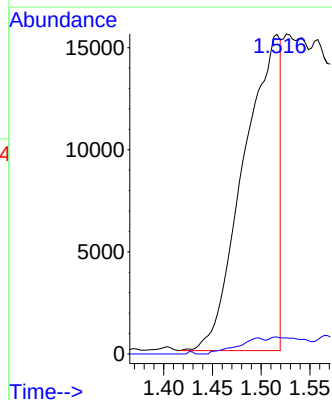
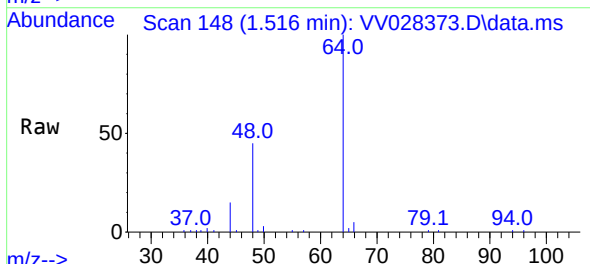
Instrument :
 MSVOA_V
 ClientSampleId :

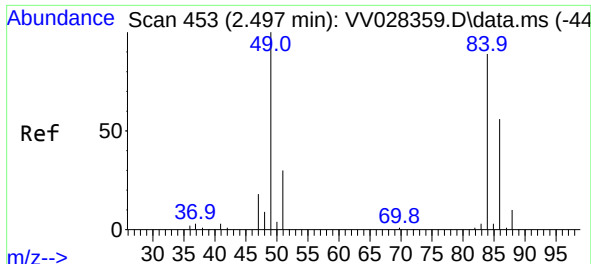
Tgt Ion: 62 Resp: 896
 Ion Ratio Lower Upper
 62 100
 64 114.7 23.0 42.8#



#8
 Chloroethane
 Concen: 3.787 ug/L
 RT: 1.516 min Scan# 148
 Delta R.T. -0.061 min
 Lab File: VV028373.D
 Acq: 05 Oct 2022 17:02

Tgt Ion: 64 Resp: 40443
 Ion Ratio Lower Upper
 64 100
 66 5.3 23.0 42.8#

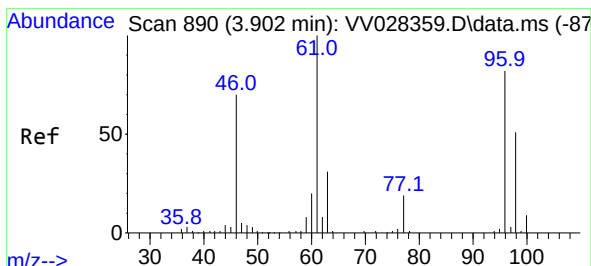
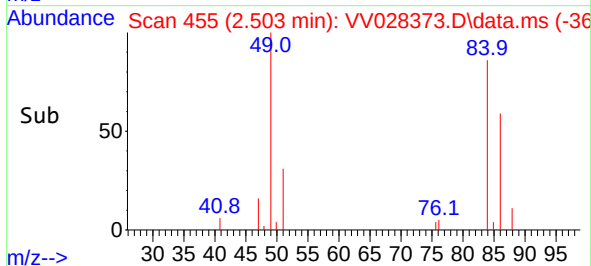
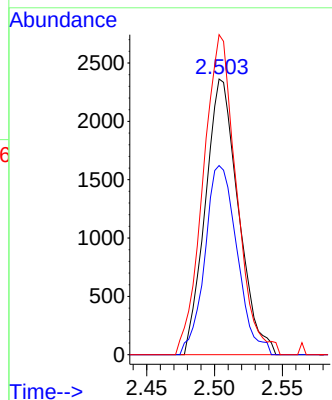
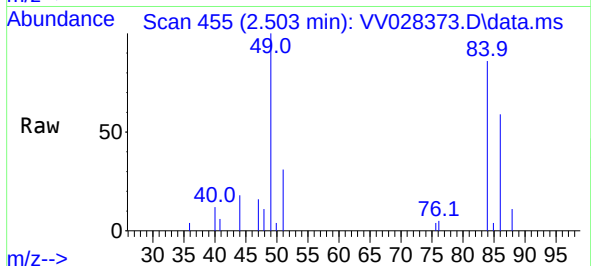




#16
Methylene chloride
Concen: 0.265 ug/L
RT: 2.503 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV028373.D
Acq: 05 Oct 2022 17:02

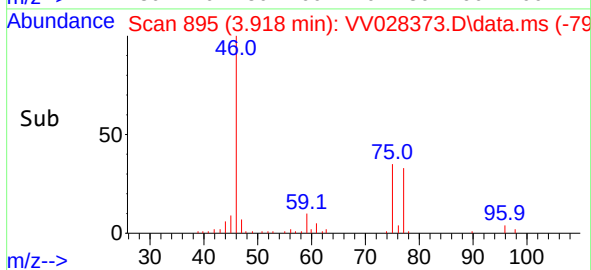
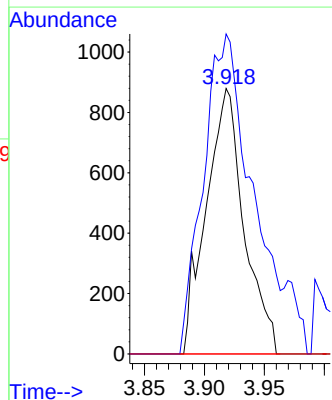
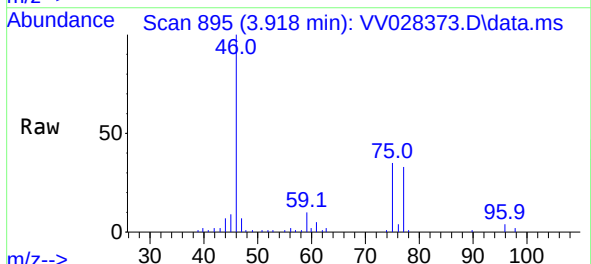
Instrument :
MSVOA_V
ClientSampleId :

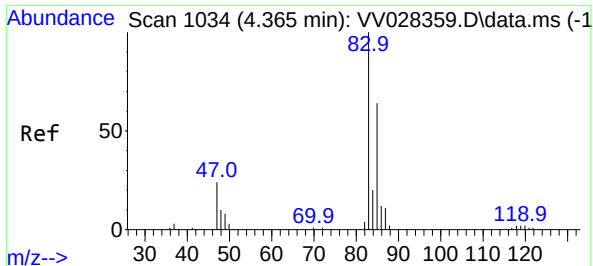
Tgt Ion: 84 Resp: 3999
Ion Ratio Lower Upper
84 100
86 68.6 46.8 86.8
49 116.1 87.5 162.5



#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# 1036

Delta R.T. 0.003 min

Lab File: VV028373.D

Acq: 05 Oct 2022 17:02

Instrument :

MSVOA_V

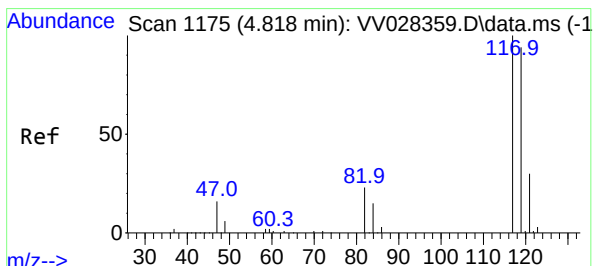
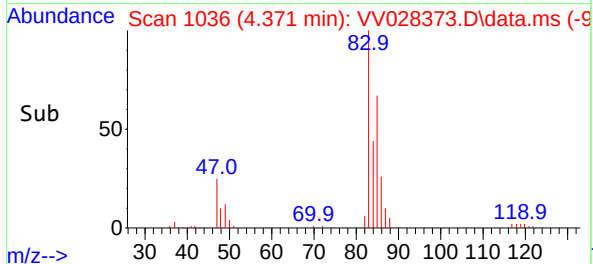
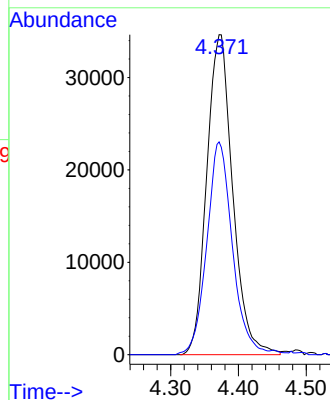
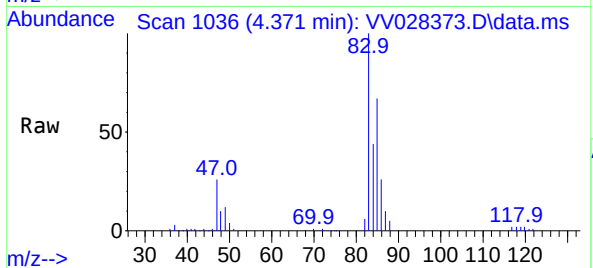
ClientSampleId :

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

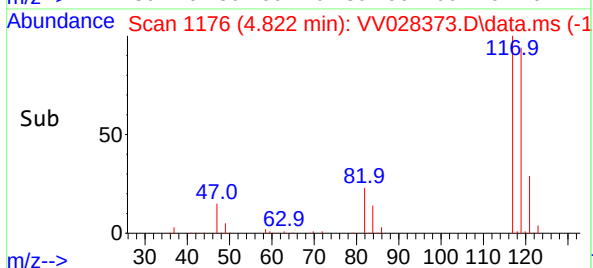
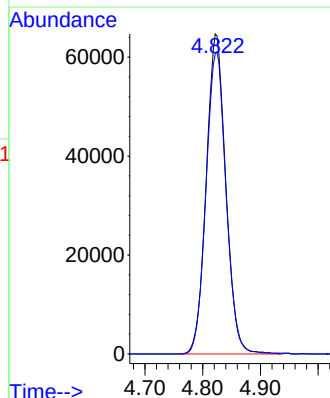
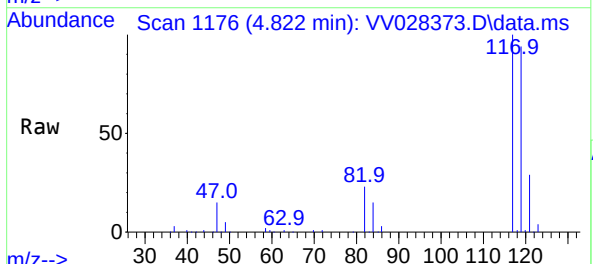
Acq: 05 Oct 2022 17:02

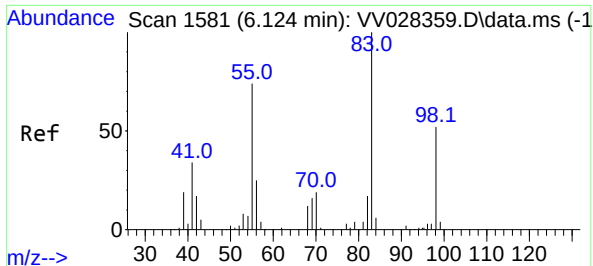
Tgt Ion: 117 Resp: 151922

Ion Ratio Lower Upper

117 100

119 96.7 76.9 115.3





#35

Methylcyclohexane

Concen: 0.832 ug/L

RT: 6.066 min Scan# 1

Delta R.T. -0.058 min

Lab File: VV028373.D

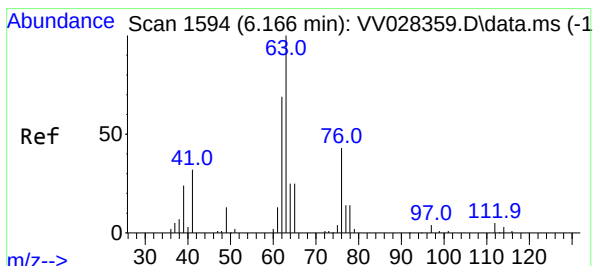
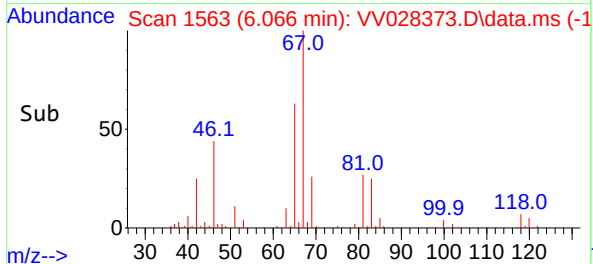
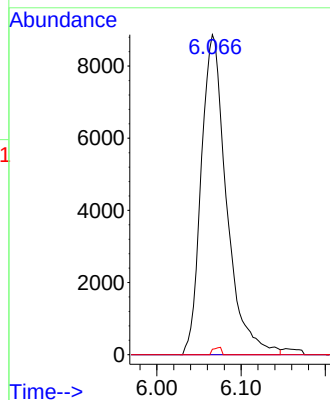
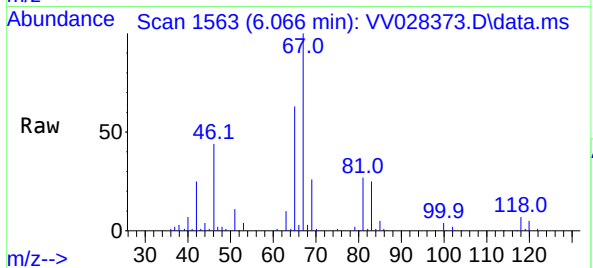
Acq: 05 Oct 2022 17:02

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	83	Resp:	18604
Ion	Ratio	Lower	Upper
83	100		
55	0.0	64.7	97.1#
98	0.7	39.5	59.3#



#37

1,2-Dichloropropane

Concen: 0.616 ug/L

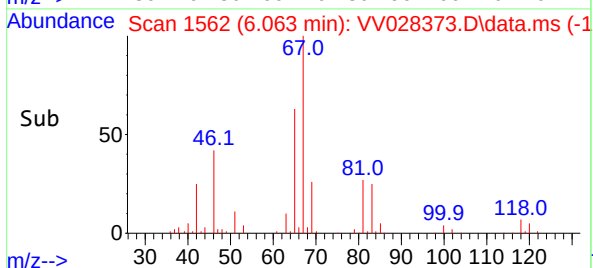
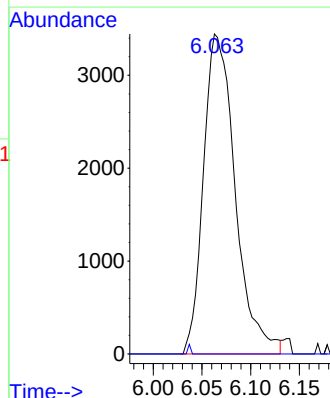
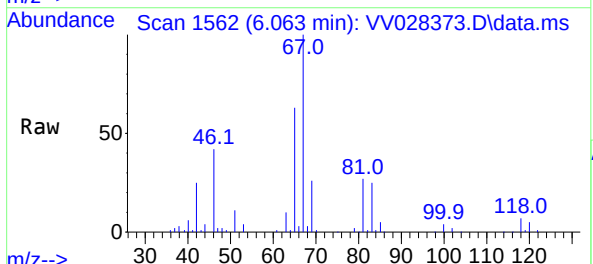
RT: 6.063 min Scan# 1562

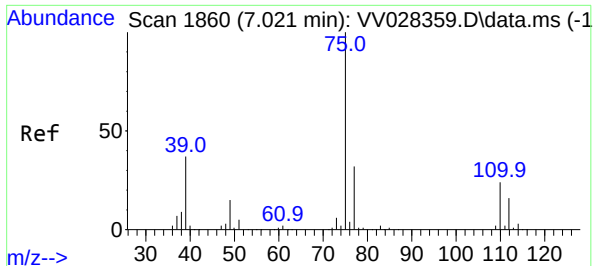
Delta R.T. -0.106 min

Lab File: VV028373.D

Acq: 05 Oct 2022 17:02

Tgt Ion:	63	Resp:	7804
Ion	Ratio	Lower	Upper
63	100		
112	0.3	3.5	5.3#





#39

cis-1,3-Dichloropropene

Concen: 0.083 ug/L

RT: 6.982 min Scan# 11

Delta R.T. -0.042 min

Lab File: VV028373.D

Acq: 05 Oct 2022 17:02

Instrument :

MSVOA_V

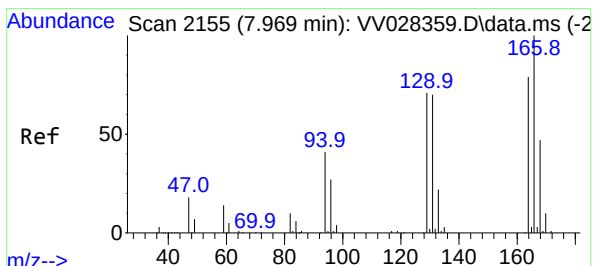
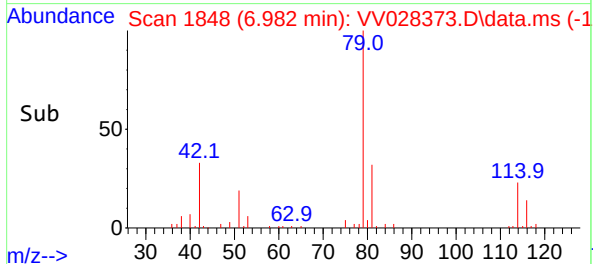
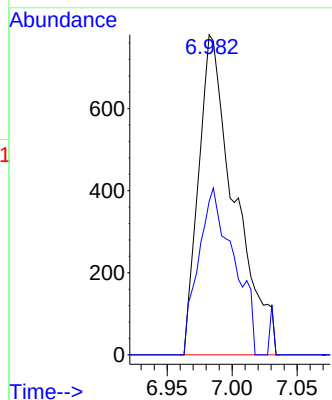
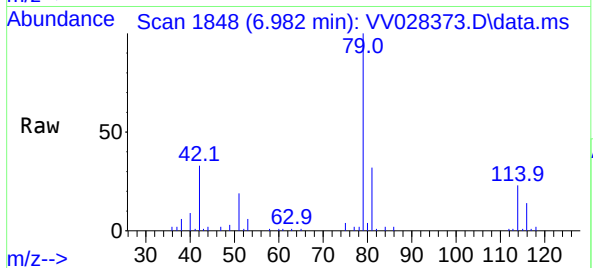
ClientSampleId :

Tgt Ion: 75 Resp: 1500

Ion Ratio Lower Upper

75 100

77 47.9 22.4 41.6#



#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

Tgt Ion: 164 Resp: 755

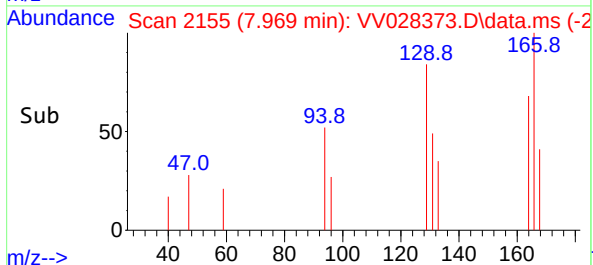
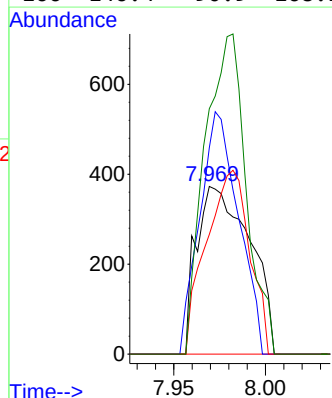
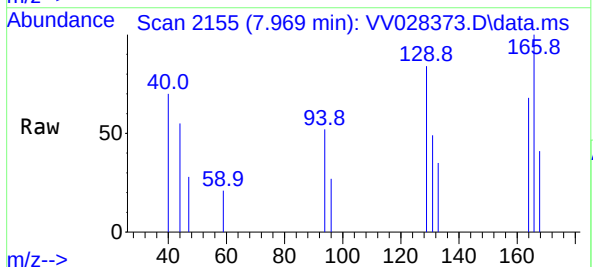
Ion Ratio Lower Upper

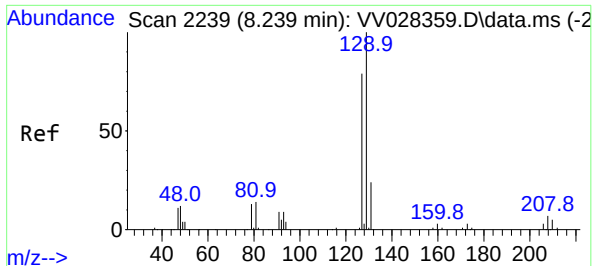
164 100

129 123.1 66.7 123.9

131 71.3 61.7 114.5

166 146.4 90.9 168.9





#49

Dibromochloromethane

Concen: 0.067 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. -0.270 min

Lab File: VV028373.D

Acq: 05 Oct 2022 17:02

Instrument :

MSVOA_V

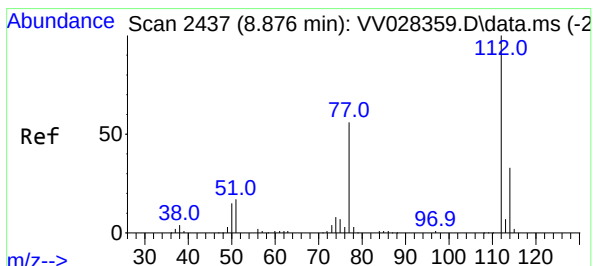
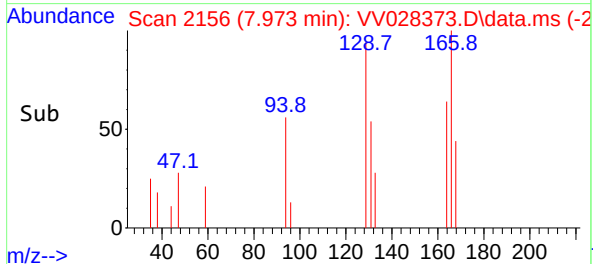
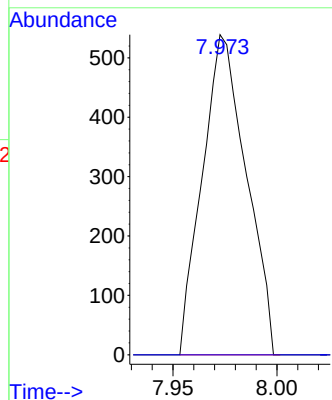
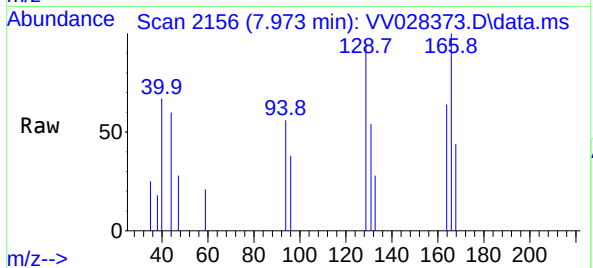
ClientSampleId :

Tgt Ion:129 Resp: 793

Ion Ratio Lower Upper

129 100

127 0.0 54.3 100.9#



#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

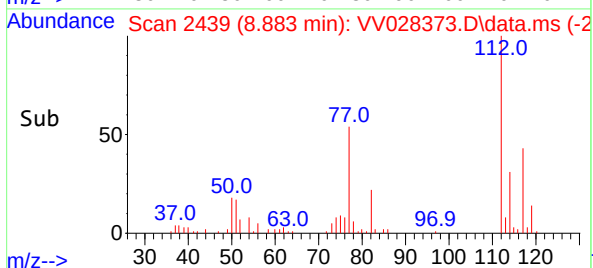
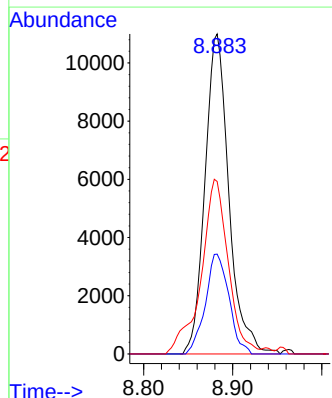
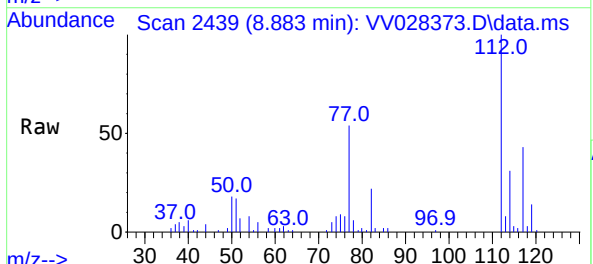
Tgt Ion:112 Resp: 20480

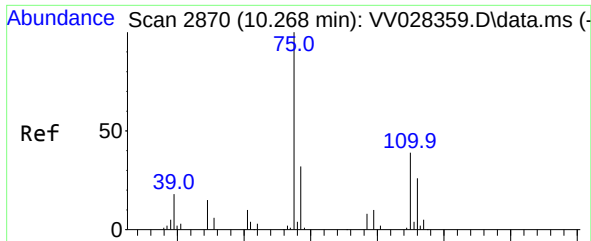
Ion Ratio Lower Upper

112 100

114 31.2 22.5 41.7

77 53.9 46.1 69.1

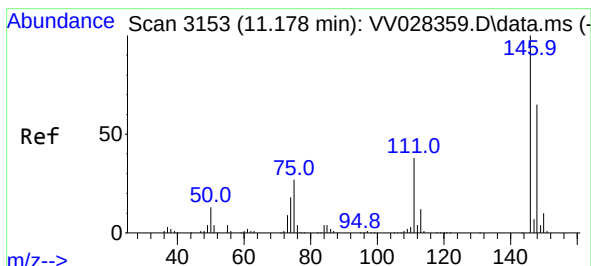
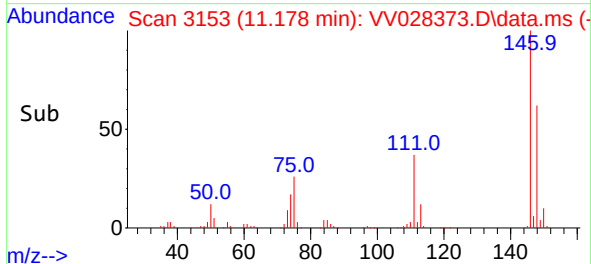
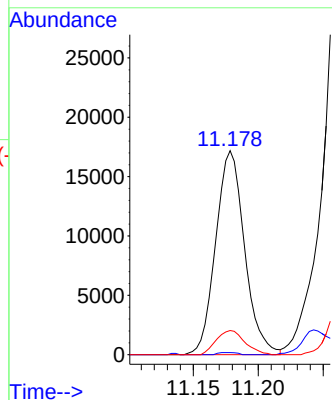
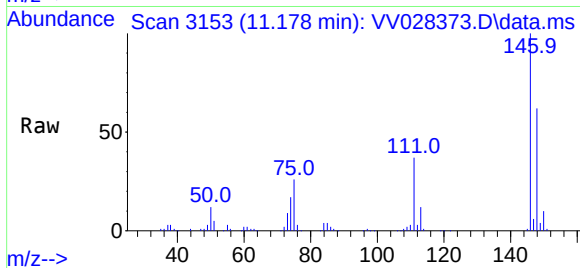




#61
1,2,3-Trichloropropane
Concen: 3.886 ug/L
RT: 11.178 min Scan# 3153
Delta R.T. 0.907 min
Lab File: VV028373.D
Acq: 05 Oct 2022 17:02

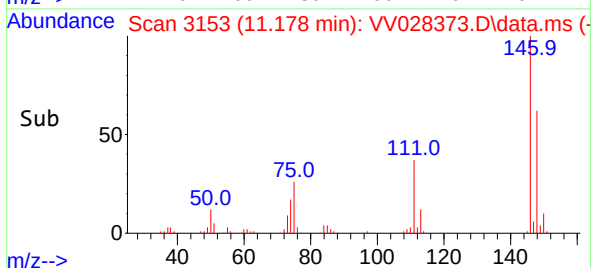
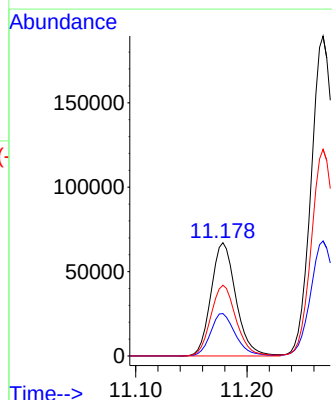
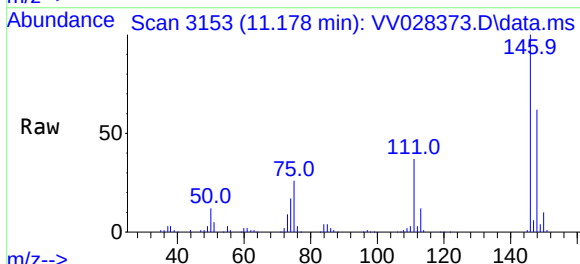
Instrument :
MSVOA_V
ClientSampleId :

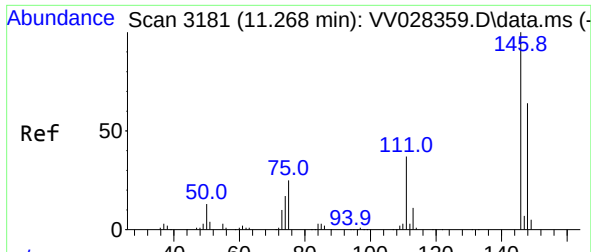
Tgt Ion: 75 Resp: 26565
Ion Ratio Lower Upper
75 100
77 0.0 26.7 40.1#
110 11.7 30.1 45.1#



#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

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

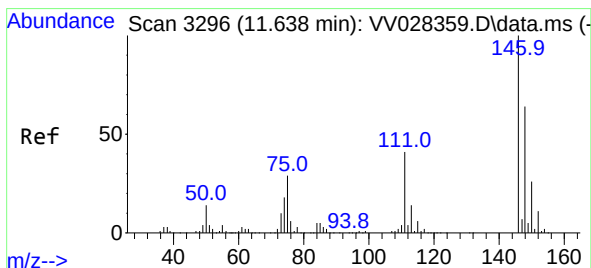
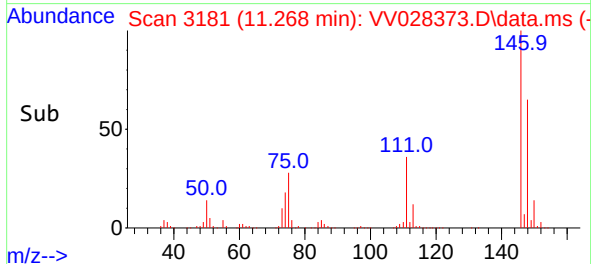
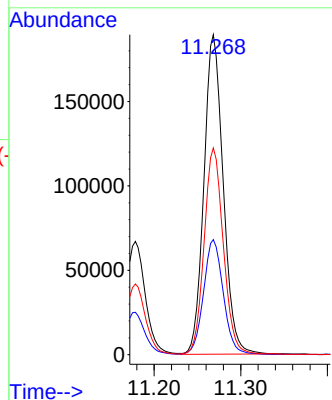
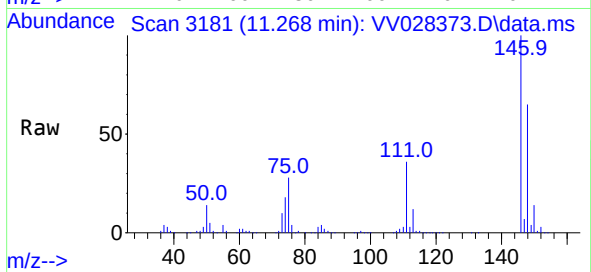




#65
1,4-Dichlorobenzene
Concen: 10.967 ug/L
RT: 11.268 min Scan# 3181
Delta R.T. 0.000 min
Lab File: VV028373.D
Acq: 05 Oct 2022 17:02

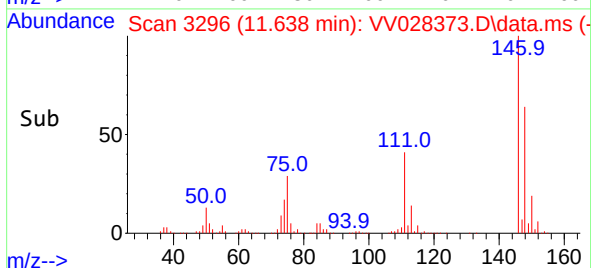
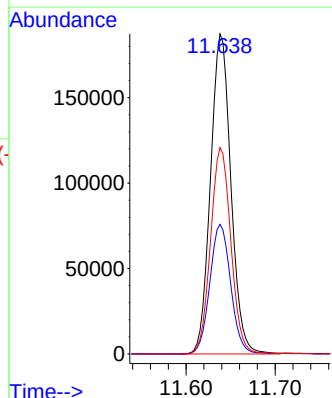
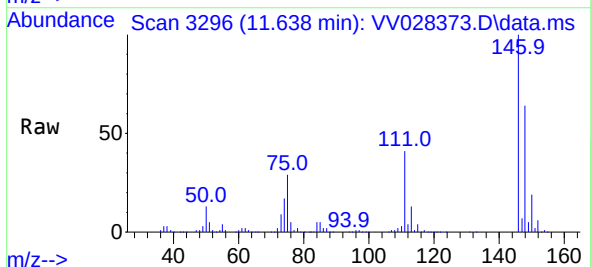
Instrument :
MSVOA_V
ClientSampleId :

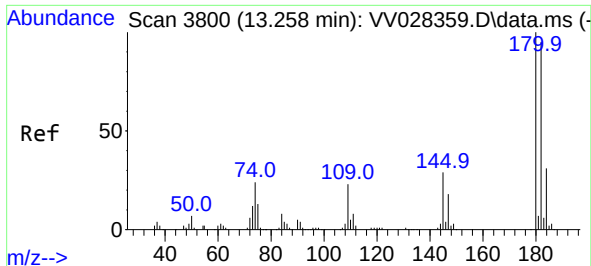
Tgt Ion:146 Resp: 292415
Ion Ratio Lower Upper
146 100
111 36.0 26.2 48.8
148 64.6 45.8 85.2



#67
1,2-Dichlorobenzene
Concen: 12.335 ug/L
RT: 11.638 min Scan# 3296
Delta R.T. -0.003 min
Lab File: VV028373.D
Acq: 05 Oct 2022 17:02

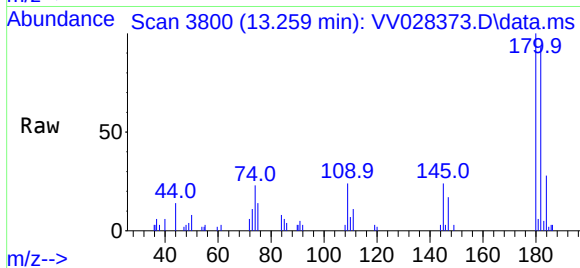
Tgt Ion:146 Resp: 297900
Ion Ratio Lower Upper
146 100
111 40.5 32.6 49.0
148 64.5 50.1 75.1



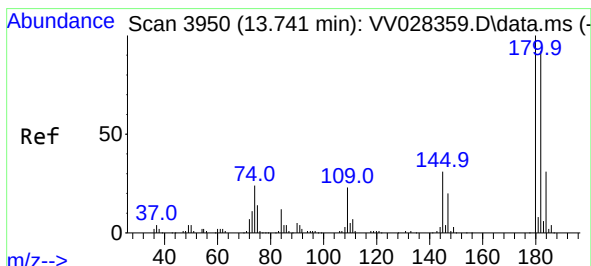
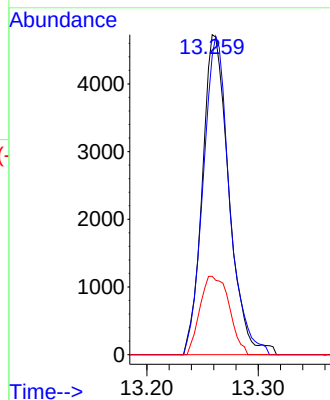
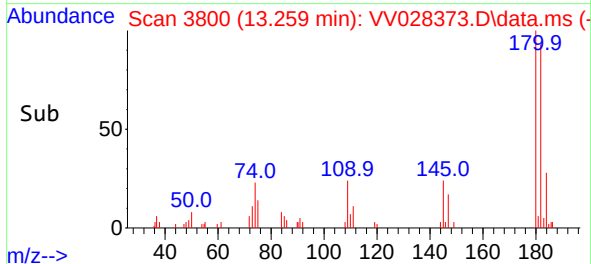


#70
1,2,4-trichlorobenzene
Concen: 0.488 ug/L
RT: 13.259 min Scan# 3800
Delta R.T. 0.000 min
Lab File: VV028373.D
Acq: 05 Oct 2022 17:02

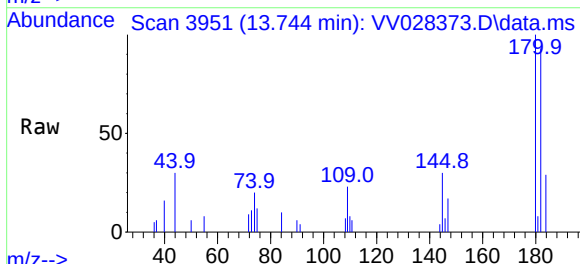
Instrument :
MSVOA_V
ClientSampleId :



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



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

