

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW100522\
 Data File : VW028380.D
 Acq On : 05 Oct 2022 20:10
 Operator : SY/MD
 Sample : N4872-08DL 100X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXFX2DL

Quant Time: Oct 06 02:34:40 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	5.613	114	198178	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	202580	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	95613	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	50833	3.414	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.200%
7) Chloroethane-d5	1.564	69	51959	4.122	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.400%
11) 1,1-Dichloroethene-d2	2.101	63	75331	2.684	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	53.600%#
20) 2-Butanone-d5	3.921	46	141759	56.266	ug/L	0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.540%
24) Chloroform-d	4.343	84	124759	4.625	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.400%
26) 1,2-Dichloroethane-d4	5.031	65	59941	4.793	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.800%
32) Benzene-d6	5.047	84	243749	4.386	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.800%
36) 1,2-Dichloropropane-d6	6.066	67	80478	5.048	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.000%
41) Toluene-d8	7.313	98	192791	3.772	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.400%
43) trans-1,3-Dichloroprop...	7.622	79	24516	4.038	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.800%
46) 2-Hexanone-d5	8.088	63	126146	50.760	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.520%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	61835	5.117	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.400%
66) 1,2-Dichlorobenzene-d4	11.622	152	79670	4.842	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.237	50	662	0.044	ug/L	98
6) Bromomethane	1.519	94	517	0.064	ug/L #	55
8) Chloroethane	1.642	64	24305	2.144	ug/L #	50
16) Methylene chloride	2.503	84	3619	0.226	ug/L	92
25) Chloroform	4.371	83	6137	0.222	ug/L	82
35) Methylcyclohexane	6.066	83	19328	0.784	ug/L #	17
37) 1,2-Dichloropropane	6.066	63	7961	0.570	ug/L #	87
39) cis-1,3-Dichloropropene	6.989	75	1718	0.086	ug/L #	53
47) Tetrachloroethene	7.976	164	848	0.064	ug/L	93
49) Dibromochloromethane	7.979	129	718	0.055	ug/L #	11
51) Chlorobenzene	8.883	112	13557	0.321	ug/L #	87
61) 1,2,3-Trichloropropane	11.178	75	11365	1.540	ug/L #	48
64) 1,3-Dichlorobenzene	11.178	146	43961	1.530	ug/L	99
65) 1,4-Dichlorobenzene	11.268	146	156372	5.434	ug/L	97
67) 1,2-Dichlorobenzene	11.638	146	189372	7.265	ug/L	100
70) 1,2,4-trichlorobenzene	13.259	180	12019	0.694	ug/L	98
72) 1,2,3-Trichlorobenzene	13.744	180	5340	0.342	ug/L	94

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Quant Time: Oct 06 02:34:40 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

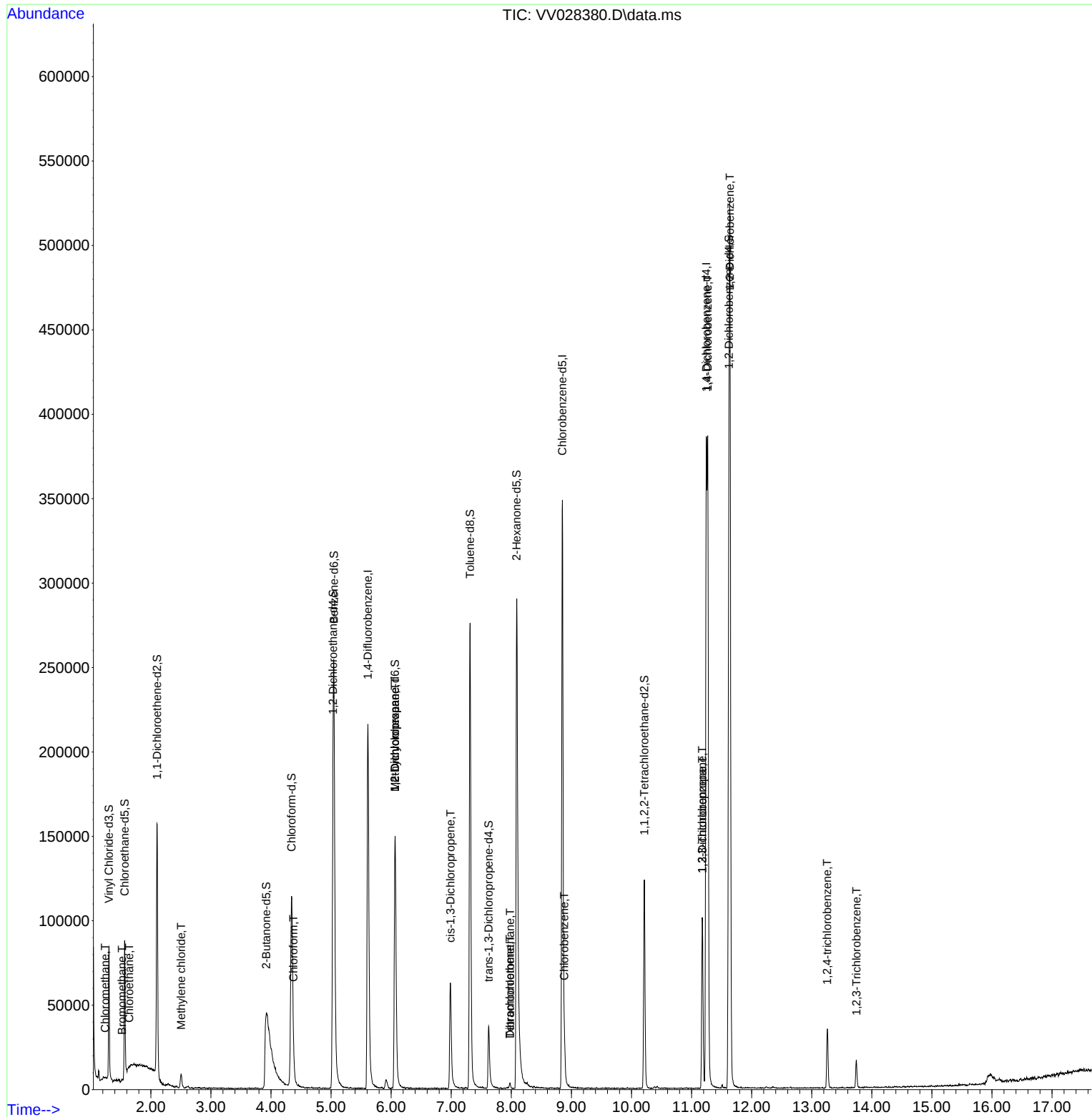
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

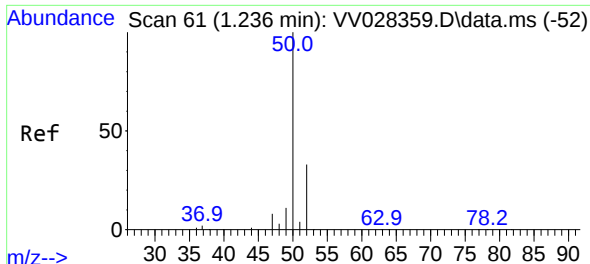
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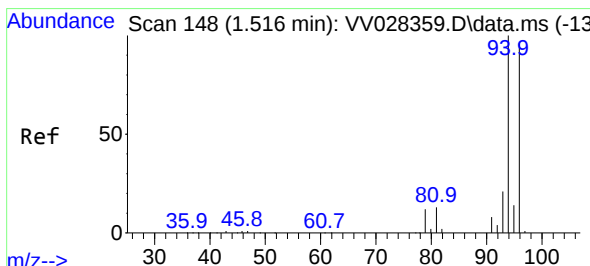
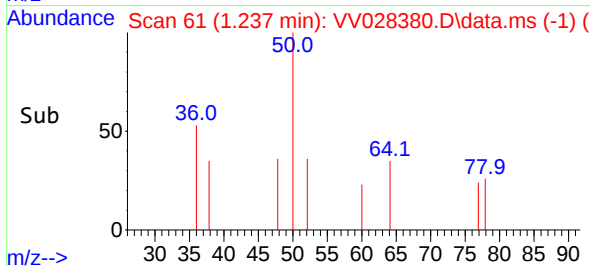
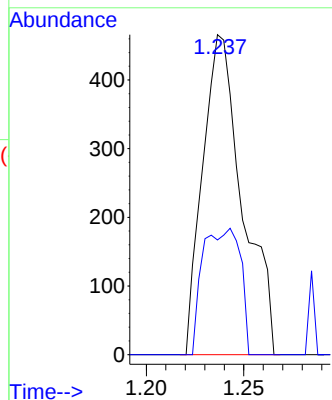
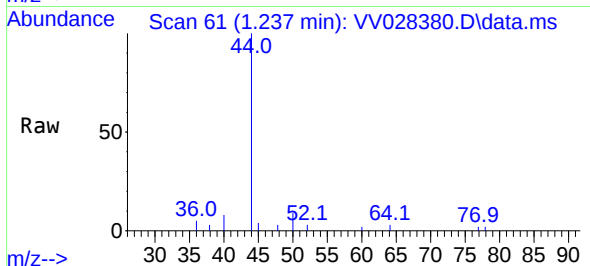




#3
Chloromethane
Concen: 0.044 ug/L
RT: 1.237 min Scan# 61
Delta R.T. 0.000 min
Lab File: VV028380.D
Acq: 05 Oct 2022 20:10

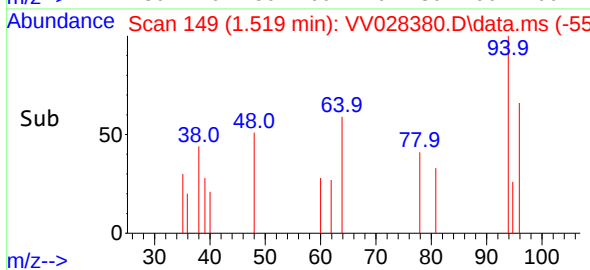
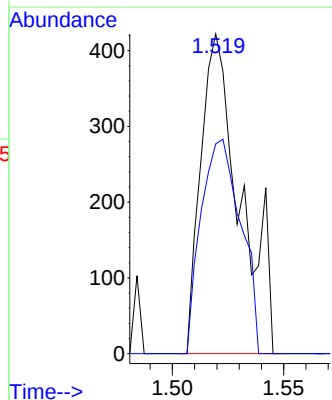
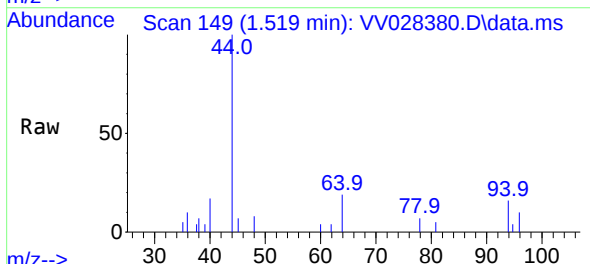
Instrument :
MSVOA_V
ClientSampleId :
EXFX2DL

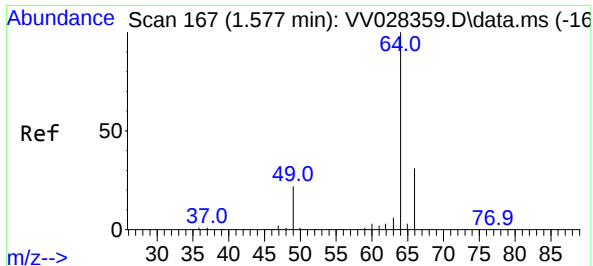
Tgt Ion: 50 Resp: 662
Ion Ratio Lower Upper
50 100
52 35.8 24.4 45.2



#6
Bromomethane
Concen: 0.064 ug/L
RT: 1.519 min Scan# 149
Delta R.T. 0.003 min
Lab File: VV028380.D
Acq: 05 Oct 2022 20:10

Tgt Ion: 94 Resp: 517
Ion Ratio Lower Upper
94 100
96 52.0 66.7 123.9

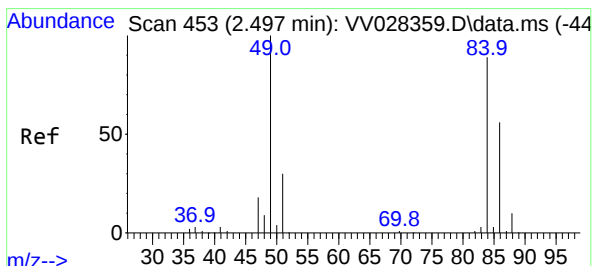
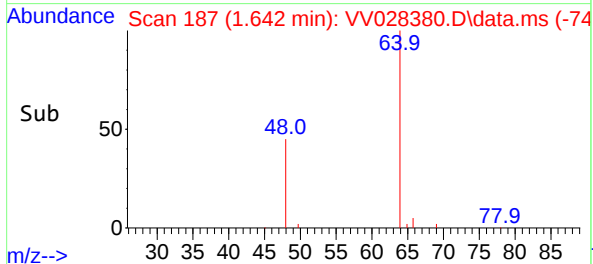
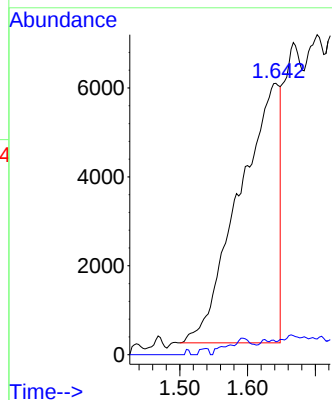
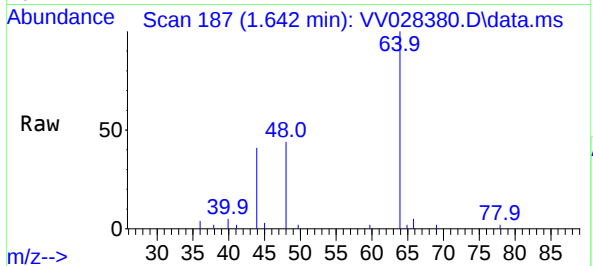




#8
Chloroethane
Concen: 2.144 ug/L
RT: 1.642 min Scan# 11
Delta R.T. 0.064 min
Lab File: VV028380.D
Acq: 05 Oct 2022 20:10

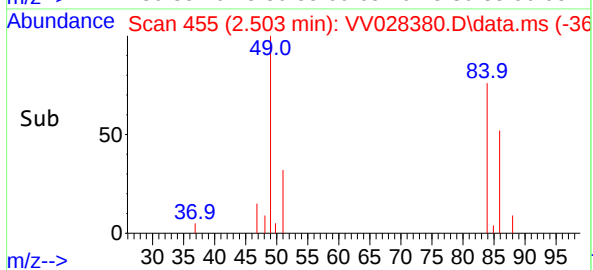
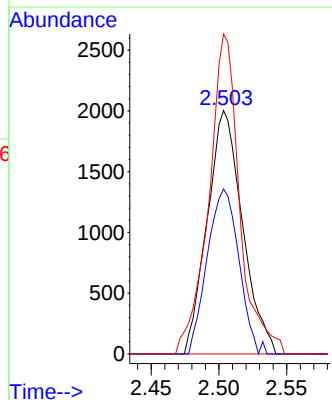
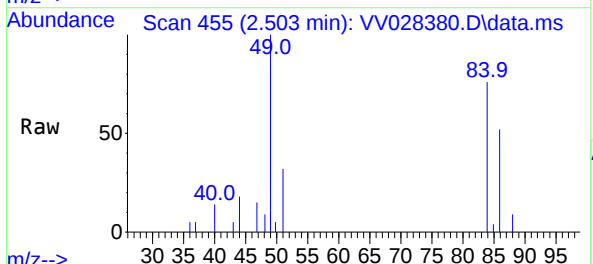
Instrument :
MSVOA_V
ClientSampleId :
EXFX2DL

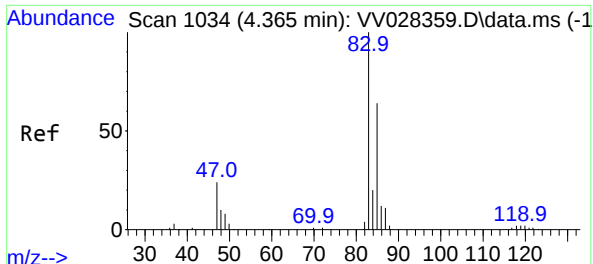
Tgt Ion: 64 Resp: 24305
Ion Ratio Lower Upper
64 100
66 4.8 23.0 42.8#



#16
Methylene chloride
Concen: 0.226 ug/L
RT: 2.503 min Scan# 455
Delta R.T. 0.003 min
Lab File: VV028380.D
Acq: 05 Oct 2022 20:10

Tgt Ion: 84 Resp: 3619
Ion Ratio Lower Upper
84 100
86 67.8 46.8 86.8
49 137.6 87.5 162.5





#25

Chloroform

Concen: 0.222 ug/L

RT: 4.371 min Scan# 1034

Delta R.T. 0.003 min

Lab File: VV028380.D

Acq: 05 Oct 2022 20:10

Instrument :

MSVOA_V

ClientSampleId :

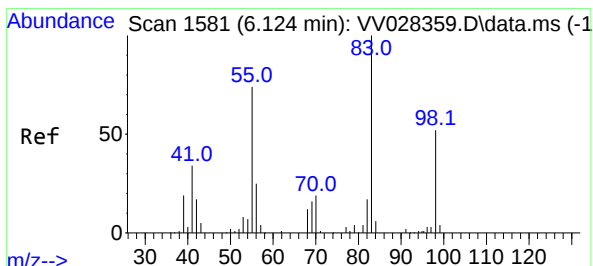
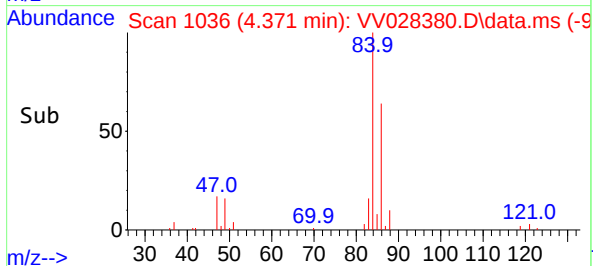
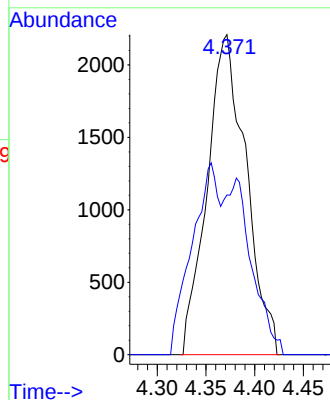
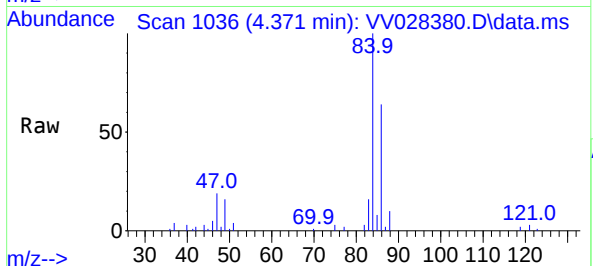
EXFX2DL

Tgt Ion: 83 Resp: 6137

Ion Ratio Lower Upper

83 100

85 49.9 45.1 83.7



#35

Methylcyclohexane

Concen: 0.784 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.058 min

Lab File: VV028380.D

Acq: 05 Oct 2022 20:10

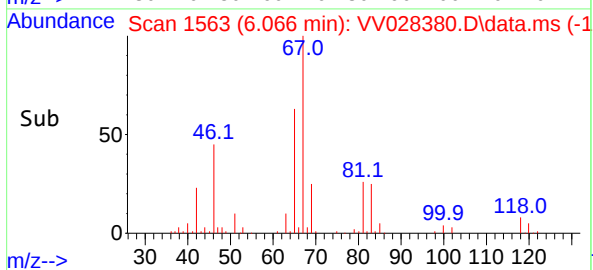
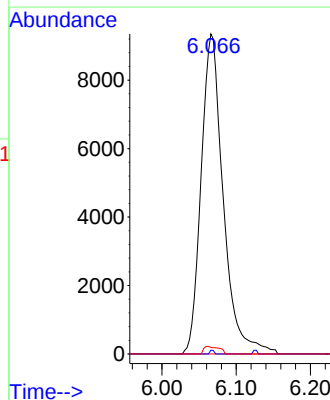
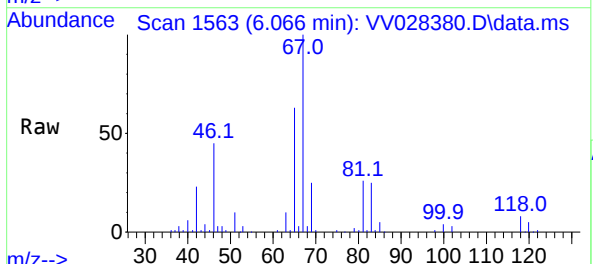
Tgt Ion: 83 Resp: 19328

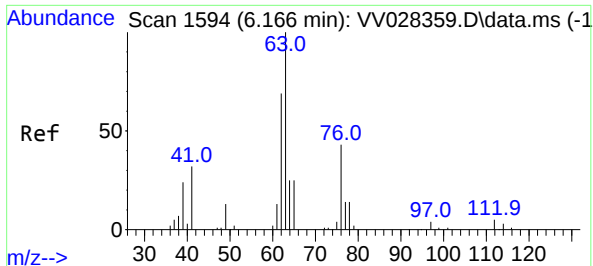
Ion Ratio Lower Upper

83 100

55 0.2 64.7 97.1#

98 1.6 39.5 59.3#

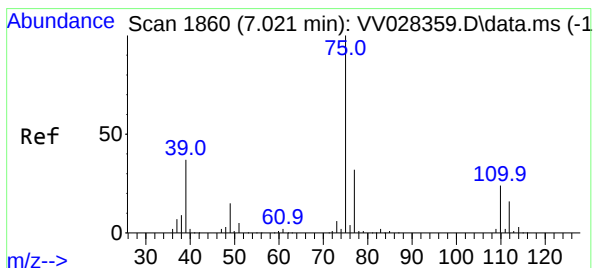
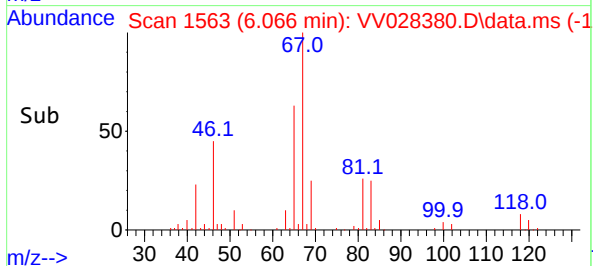
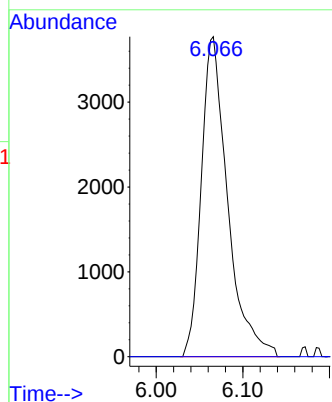
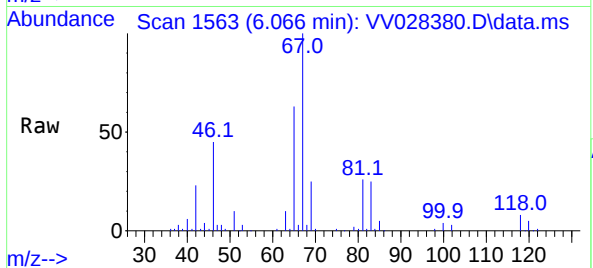




#37
1,2-Dichloropropane
Concen: 0.570 ug/L
RT: 6.066 min Scan# 11
Delta R.T. -0.103 min
Lab File: VV028380.D
Acq: 05 Oct 2022 20:10

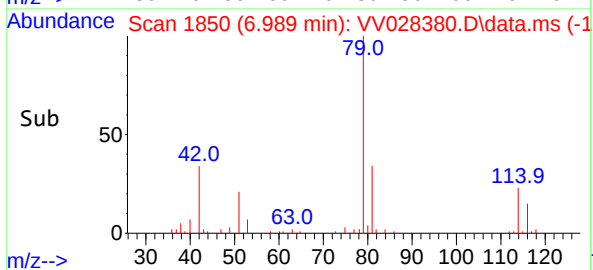
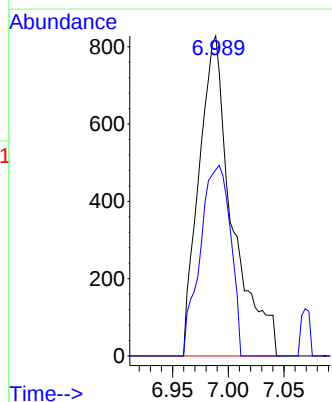
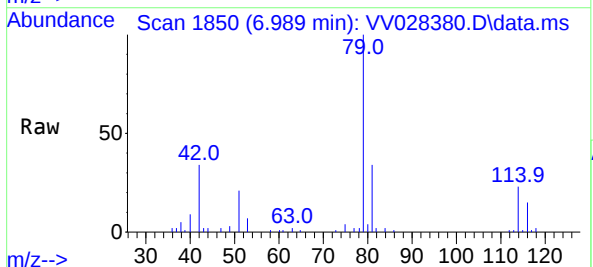
Instrument :
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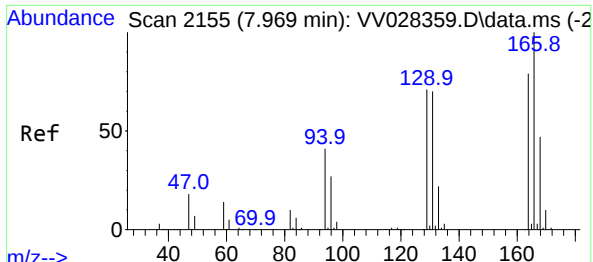
Tgt Ion: 63 Resp: 7961
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



#39
cis-1,3-Dichloropropene
Concen: 0.086 ug/L
RT: 6.989 min Scan# 1850
Delta R.T. -0.035 min
Lab File: VV028380.D
Acq: 05 Oct 2022 20:10

Tgt Ion: 75 Resp: 1718
Ion Ratio Lower Upper
75 100
77 58.2 22.4 41.6#



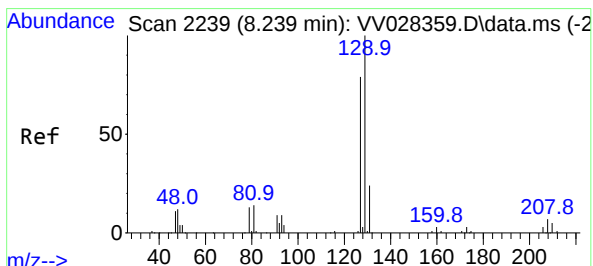
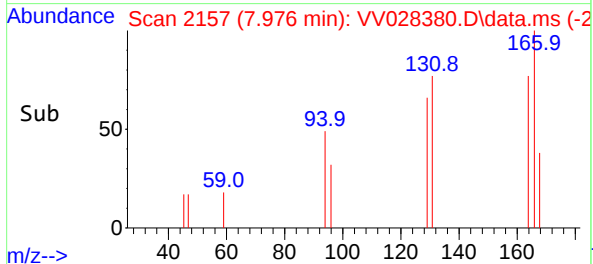
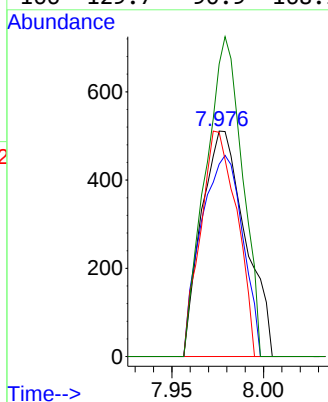
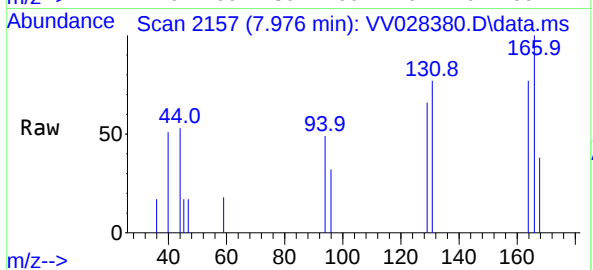


#47
Tetrachloroethene
Concen: 0.064 ug/L
RT: 7.976 min Scan# 2155
Delta R.T. 0.007 min
Lab File: VV028380.D
Acq: 05 Oct 2022 20:10

Instrument :
MSVOA_V
ClientSampleId :
EXFX2DL

Tgt Ion:164 Resp: 848

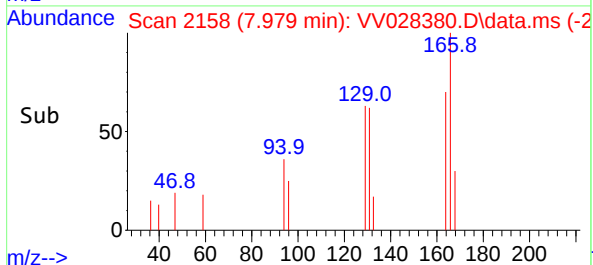
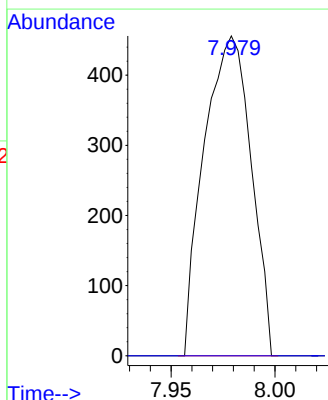
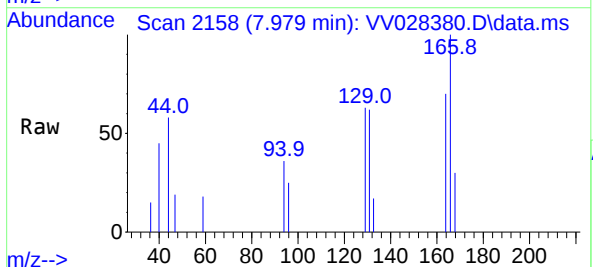
Ion	Ratio	Lower	Upper
164	100		
129	85.3	66.7	123.9
131	99.4	61.7	114.5
166	129.7	90.9	168.9

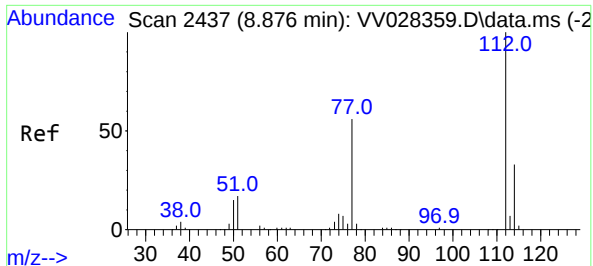


#49
Dibromochloromethane
Concen: 0.055 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. -0.264 min
Lab File: VV028380.D
Acq: 05 Oct 2022 20:10

Tgt Ion:129 Resp: 718

Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.3	100.9#

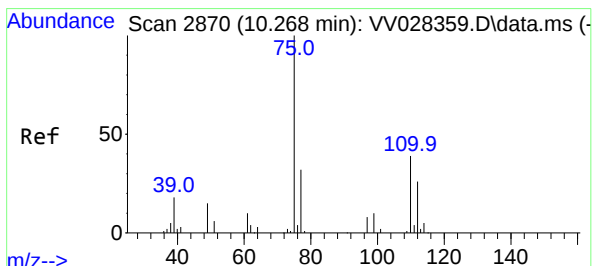
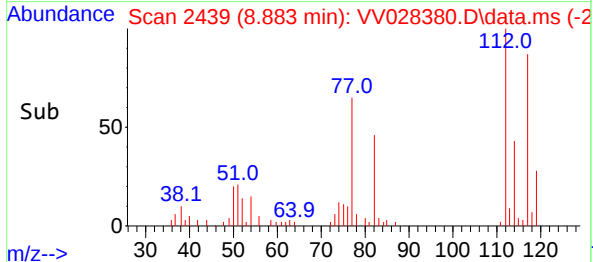
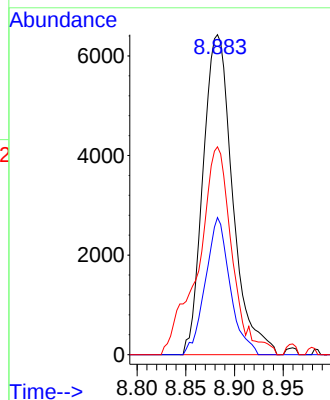
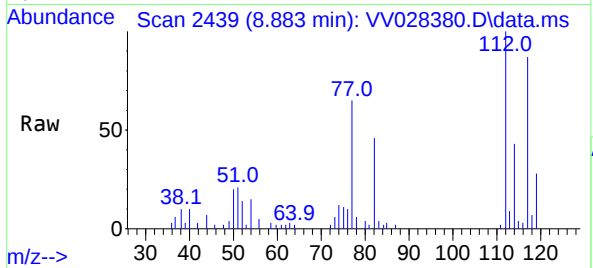




#51
Chlorobenzene
Concen: 0.321 ug/L
RT: 8.883 min Scan# 2437
Delta R.T. 0.003 min
Lab File: VV028380.D
Acq: 05 Oct 2022 20:10

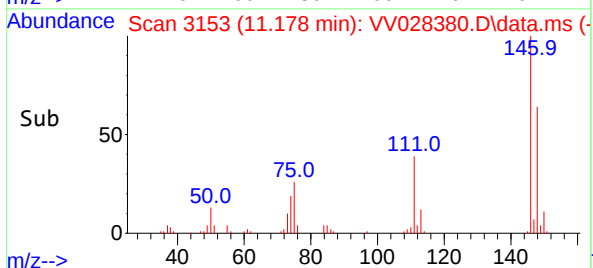
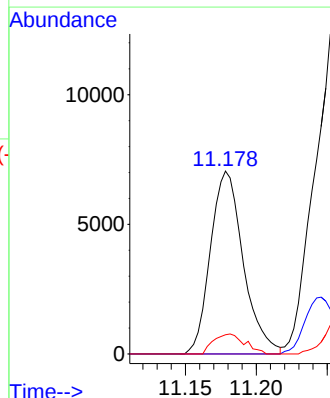
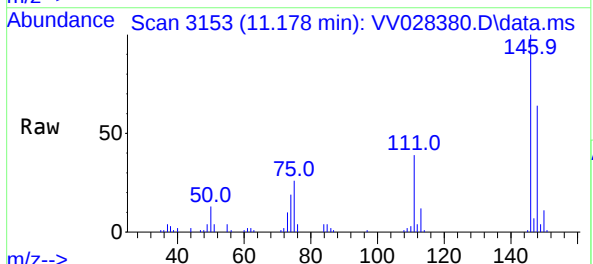
Instrument :
MSVOA_V
ClientSampleId :
EXFX2DL

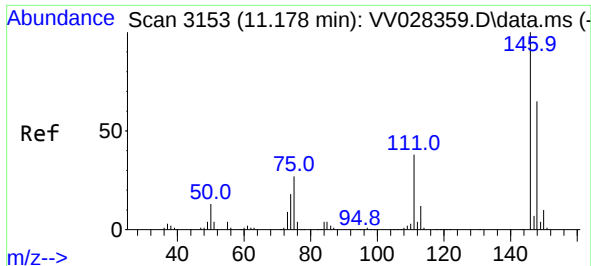
Tgt Ion:112 Resp: 13557
Ion Ratio Lower Upper
112 100
114 42.8 22.5 41.7#
77 65.0 46.1 69.1



#61
1,2,3-Trichloropropane
Concen: 1.540 ug/L
RT: 11.178 min Scan# 3153
Delta R.T. 0.907 min
Lab File: VV028380.D
Acq: 05 Oct 2022 20:10

Tgt Ion: 75 Resp: 11365
Ion Ratio Lower Upper
75 100
77 0.0 26.7 40.1#
110 10.4 30.1 45.1#

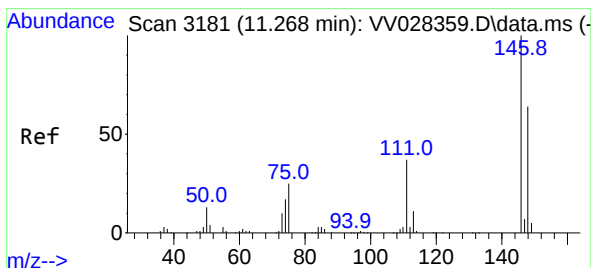
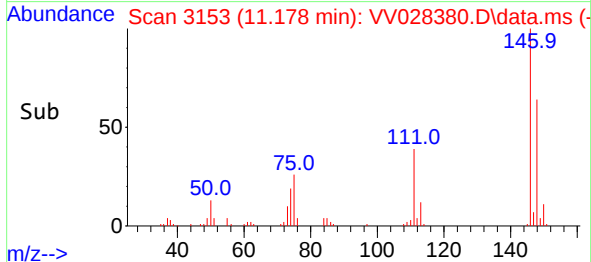
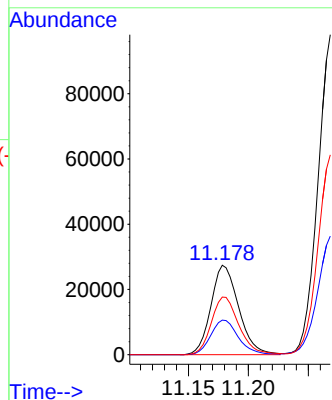
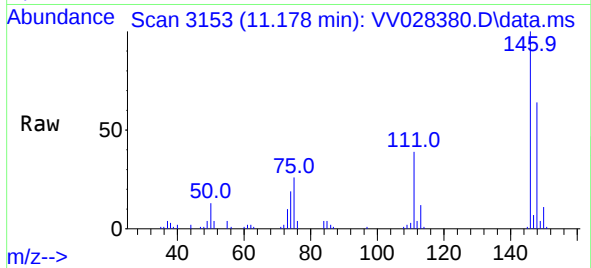




#64
1,3-Dichlorobenzene
Concen: 1.530 ug/L
RT: 11.178 min Scan# 3153
Delta R.T. 0.000 min
Lab File: VV028380.D
Acq: 05 Oct 2022 20:10

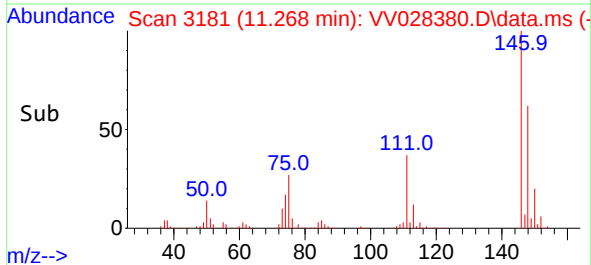
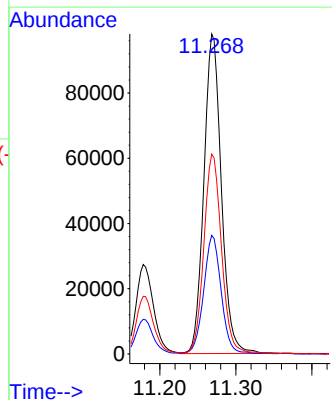
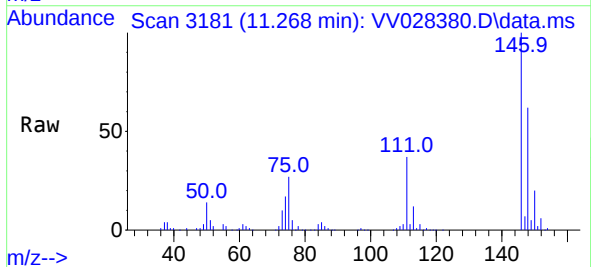
Instrument :
MSVOA_V
ClientSampleId :
EXFX2DL

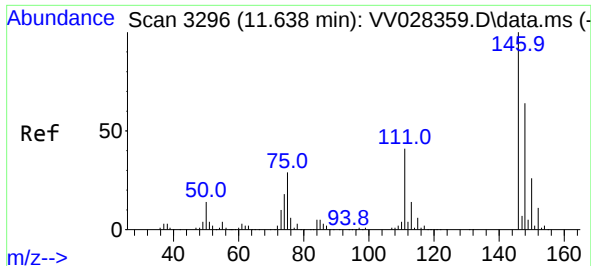
Tgt Ion:146 Resp: 43961
Ion Ratio Lower Upper
146 100
111 38.7 27.1 50.3
148 64.4 45.7 84.9



#65
1,4-Dichlorobenzene
Concen: 5.434 ug/L
RT: 11.268 min Scan# 3181
Delta R.T. 0.000 min
Lab File: VV028380.D
Acq: 05 Oct 2022 20:10

Tgt Ion:146 Resp: 156372
Ion Ratio Lower Upper
146 100
111 37.1 26.2 48.8
148 62.4 45.8 85.2





#67

1,2-Dichlorobenzene

Concen: 7.265 ug/L

RT: 11.638 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV028380.D

Acq: 05 Oct 2022 20:10

Instrument :

MSVOA_V

ClientSampleId :

EXFX2DL

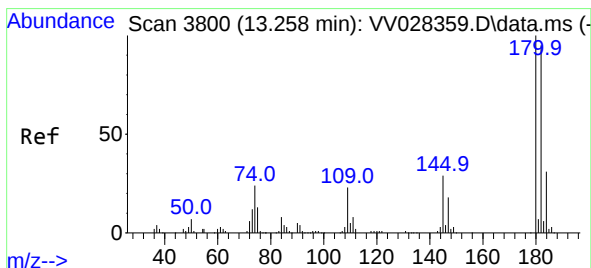
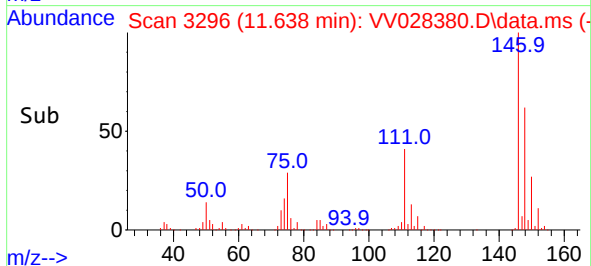
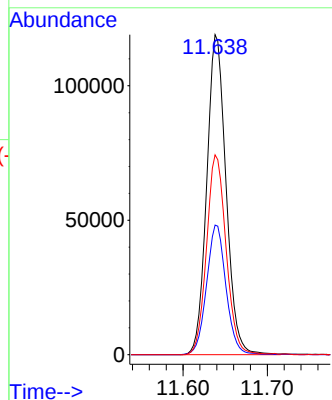
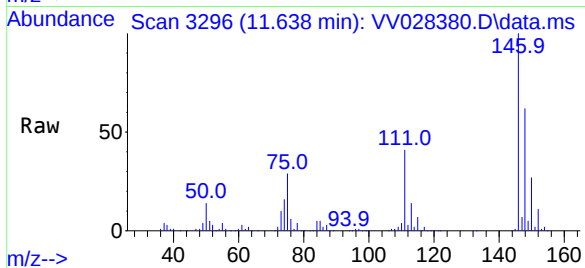
Tgt Ion:146 Resp: 189372

Ion Ratio Lower Upper

146 100

111 40.5 32.6 49.0

148 62.5 50.1 75.1



#70

1,2,4-trichlorobenzene

Concen: 0.694 ug/L

RT: 13.259 min Scan# 3800

Delta R.T. 0.000 min

Lab File: VV028380.D

Acq: 05 Oct 2022 20:10

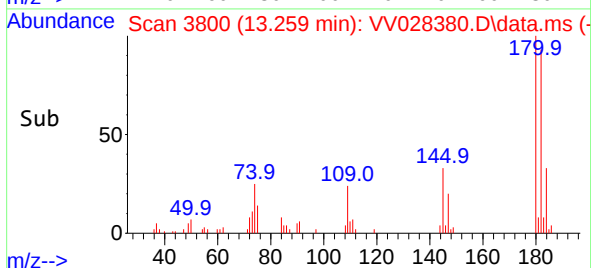
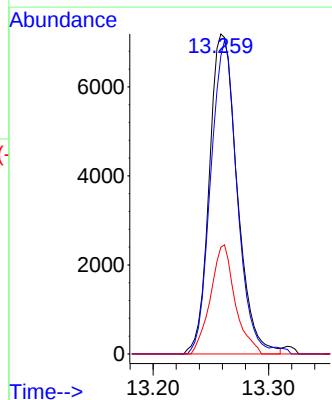
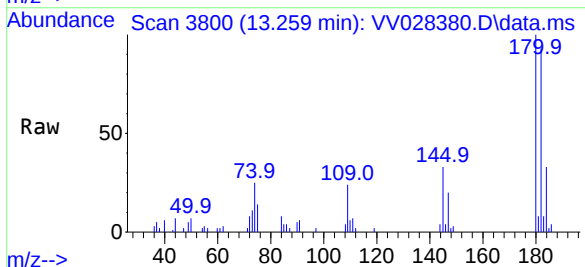
Tgt Ion:180 Resp: 12019

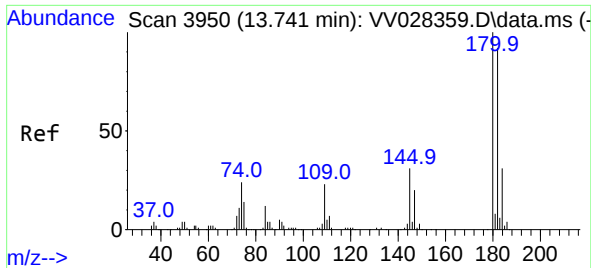
Ion Ratio Lower Upper

180 100

182 93.6 76.3 114.5

145 30.1 22.9 34.3





#72

1,2,3-Trichlorobenzene

Concen: 0.342 ug/L

RT: 13.744 min Scan# 3950

Delta R.T. 0.003 min

Lab File: VV028380.D

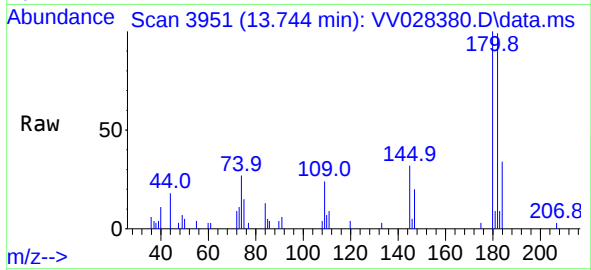
Acq: 05 Oct 2022 20:10

Instrument :

MSVOA_V

ClientSampleId :

EXFX2DL



Tgt Ion:180 Resp: 5340

Ion Ratio Lower Upper

180 100

182 104.6 77.4 116.0

145 31.5 24.6 36.8

