

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120723\
 Data File : VD077778.D
 Acq On : 07 Dec 2023 16:11
 Operator : JC/SY
 Sample : VIBLK
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

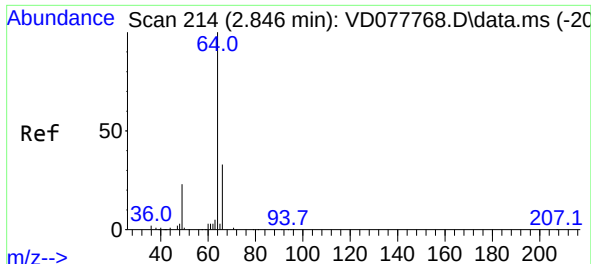
Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 08 00:34:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM112923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Dec 06 00:24:24 2023
 Response via : Initial Calibration

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

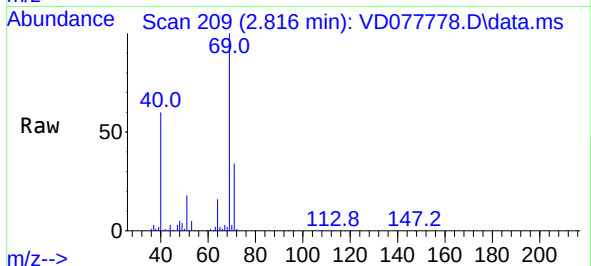
Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	341389	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.587	117	321759	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	147932	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	140167	15.056	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	60.240%
7) Chloroethane-d5	2.811	69	129608	17.466	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.880%
11) 1,1-Dichloroethene-d2	3.922	65	40466	16.764	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.040%
21) 2-Butanone-d5	6.993	46	48615	41.317	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.640%
24) Chloroform-d	7.569	84	182409	19.825	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	79.280%
26) 1,2-Dichloroethane-d4	8.228	65	90402	19.392	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	77.560%
32) Benzene-d6	8.204	84	368414	19.012	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	76.040%
36) 1,2-Dichloropropane-d6	9.210	67	112113	18.961	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	75.840%
41) Toluene-d8	10.269	98	340157	19.071	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	76.280%
43) trans-1,3-Dichloroprop...	10.528	79	47777	18.273	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	73.080%
47) 2-Hexanone-d5	10.881	63	40042	39.301	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	78.600%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	81428	19.058	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	76.240%
66) 1,2-Dichlorobenzene-d4	13.816	152	106932	20.206	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	80.840%
Target Compounds						Qvalue
8) Chloroethane	2.816	64	3339	0.548	ug/L #	56
16) Methylene chloride	4.810	84	8274	1.365	ug/L	95
33) Benzene	8.251	78	20611	0.984	ug/L	100
34) Trichloroethene	8.781	95	9908	1.906	ug/L #	5
35) Methylcyclohexane	9.216	83	25690	2.784	ug/L #	20
39) cis-1,3-Dichloropropene	9.975	75	3606	0.423	ug/L	94
45) 1,1,2-Trichloroethane	10.663	97	1810	0.494	ug/L #	14
51) Chlorobenzene	11.610	112	234310	16.987	ug/L	98
64) 1,3-Dichlorobenzene	13.457	146	11105	1.163	ug/L	84
65) 1,4-Dichlorobenzene	13.539	146	126504	12.767	ug/L	96
67) 1,2-Dichlorobenzene	13.834	146	9987	1.162	ug/L	96
69) 1,3,5-Trichlorobenzene	15.104	180	66380	10.209	ug/L	98
70) 1,2,4-trichlorobenzene	15.104	180	66380	12.025	ug/L	97
72) 1,2,3-Trichlorobenzene	15.528	180	29057	6.005	ug/L	98

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

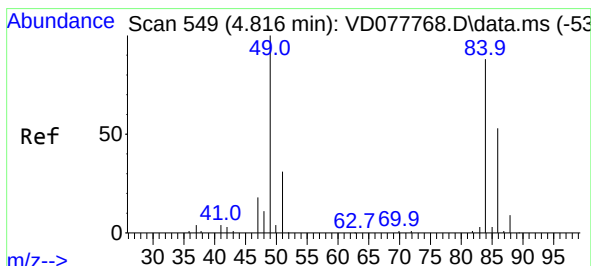
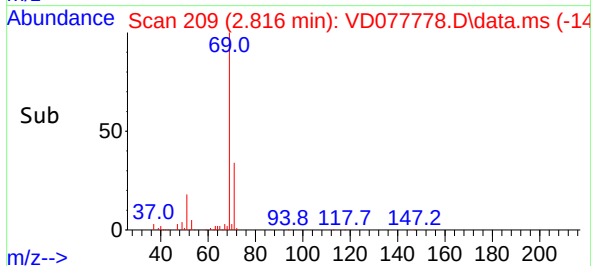
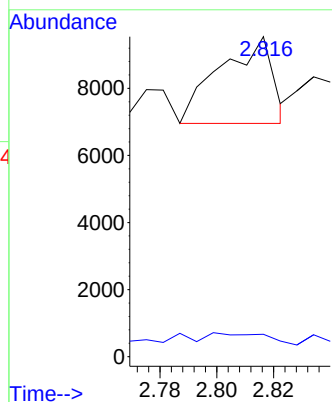


#8
Chloroethane
Concen: 0.548 ug/L
RT: 2.816 min Scan# 209
Delta R.T. -0.030 min
Lab File: VD077778.D
Acq: 07 Dec 2023 16:11

Instrument :
MSVOA_D
ClientSampleId :

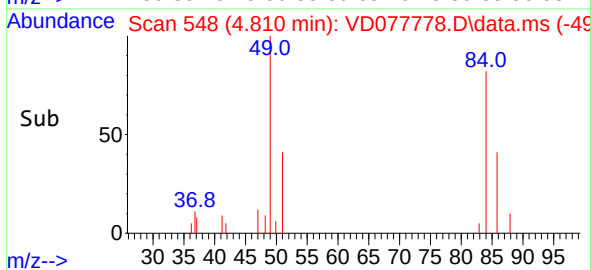
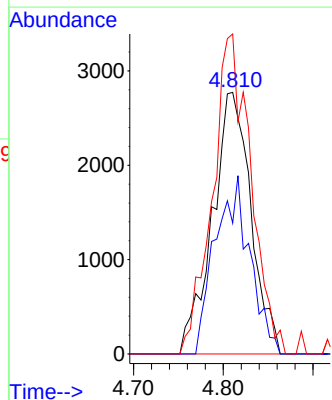
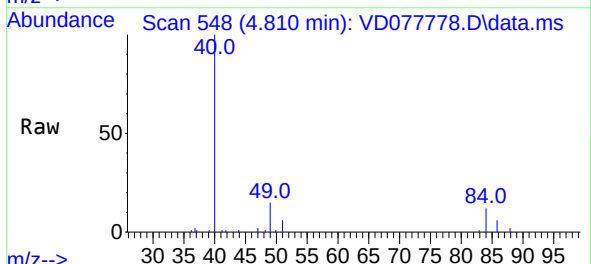


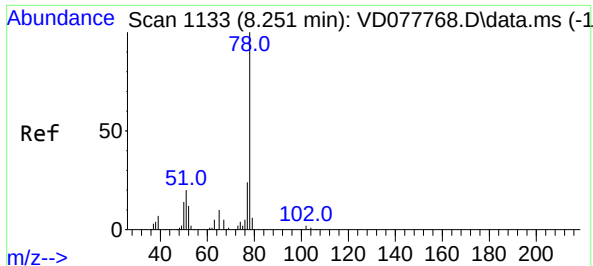
Tgt Ion: 64 Resp: 3339
Ion Ratio Lower Upper
64 100
66 7.0 22.0 41.0#



#16
Methylene chloride
Concen: 1.365 ug/L
RT: 4.810 min Scan# 548
Delta R.T. -0.000 min
Lab File: VD077778.D
Acq: 07 Dec 2023 16:11

Tgt Ion: 84 Resp: 8274
Ion Ratio Lower Upper
84 100
86 50.1 40.1 74.5
49 122.3 83.2 154.6

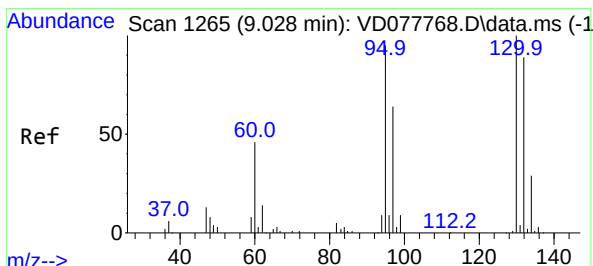
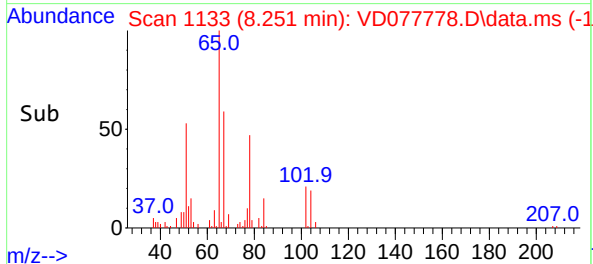
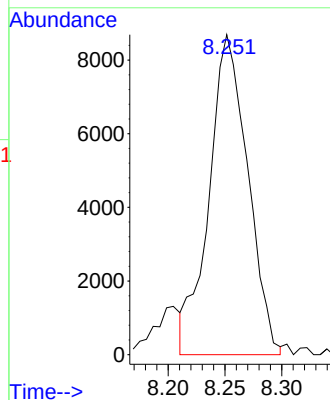
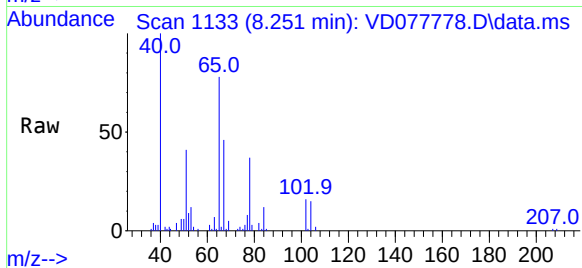




#33
Benzene
Concen: 0.984 ug/L
RT: 8.251 min Scan# 1133
Delta R.T. -0.006 min
Lab File: VD077778.D
Acq: 07 Dec 2023 16:11

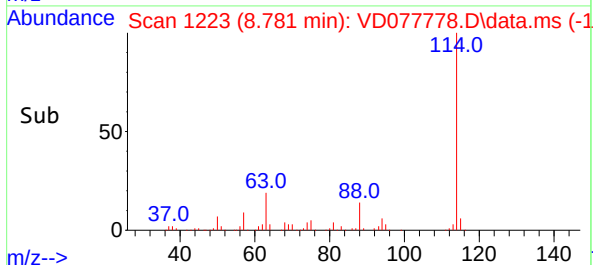
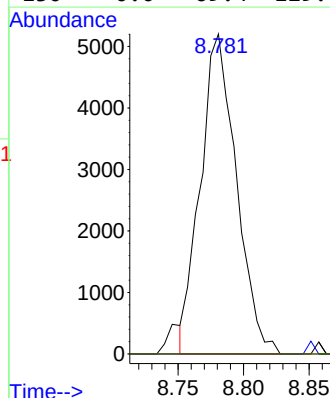
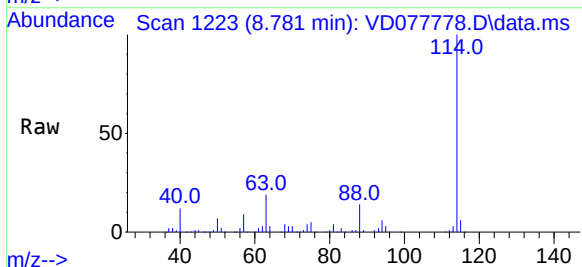
Instrument :
MSVOA_D
ClientSampleId :

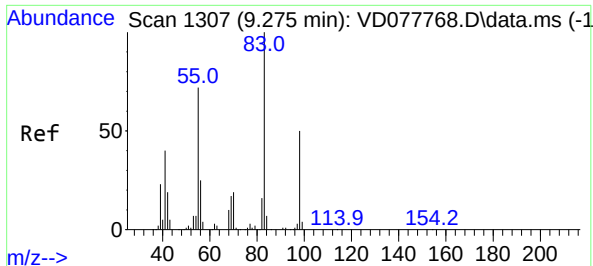
Tgt Ion: 78 Resp: 20611



#34
Trichloroethene
Concen: 1.906 ug/L
RT: 8.781 min Scan# 1223
Delta R.T. -0.253 min
Lab File: VD077778.D
Acq: 07 Dec 2023 16:11

Tgt Ion: 95 Resp: 9908
Ion Ratio Lower Upper
95 100
97 0.0 44.2 82.0#
132 0.0 67.5 125.3#
130 0.0 69.4 129.0#

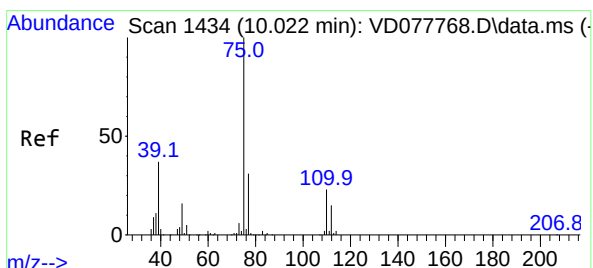
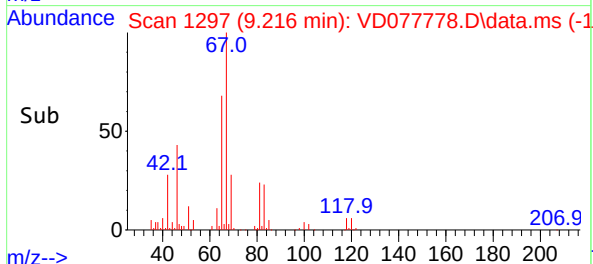
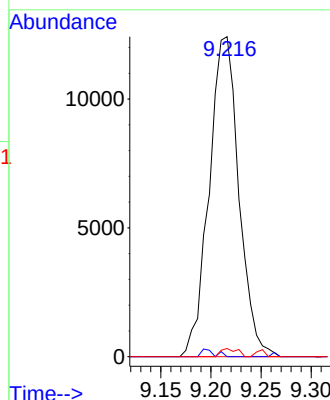
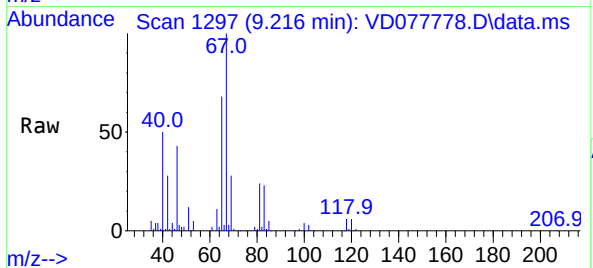




#35
Methylcyclohexane
Concen: 2.784 ug/L
RT: 9.216 min Scan# 11
Delta R.T. -0.059 min
Lab File: VD077778.D
Acq: 07 Dec 2023 16:11

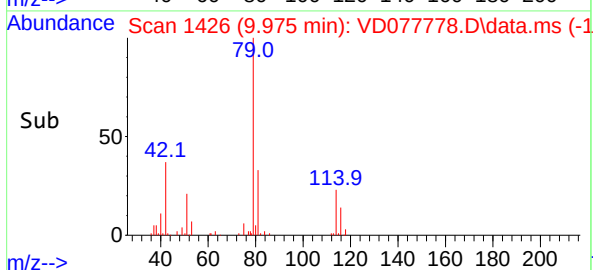
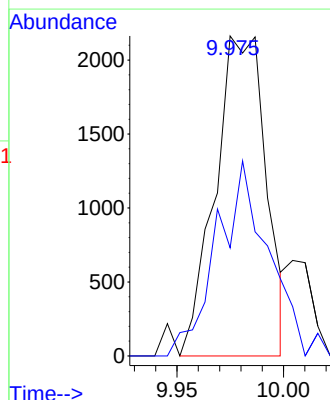
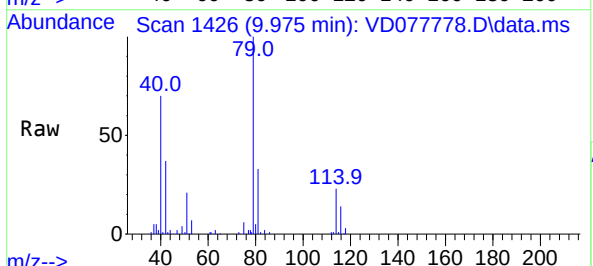
Instrument :
MSVOA_D
ClientSampleId :

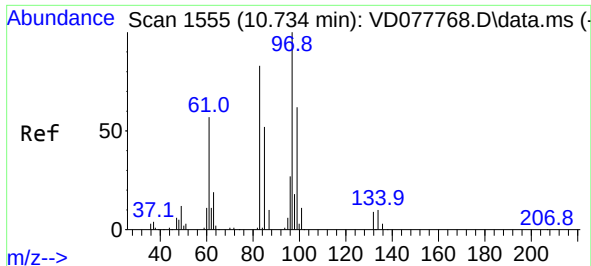
Tgt Ion: 83 Resp: 25690
Ion Ratio Lower Upper
83 100
55 0.3 59.8 89.6#
98 1.4 38.5 57.7#



#39
cis-1,3-Dichloropropene
Concen: 0.423 ug/L
RT: 9.975 min Scan# 1426
Delta R.T. -0.047 min
Lab File: VD077778.D
Acq: 07 Dec 2023 16:11

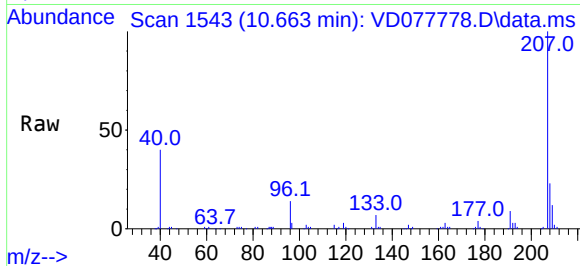
Tgt Ion: 75 Resp: 3606
Ion Ratio Lower Upper
75 100
77 33.8 21.2 39.4



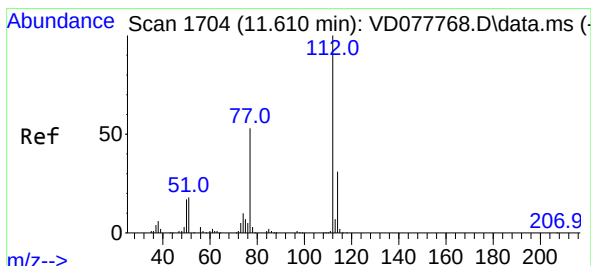
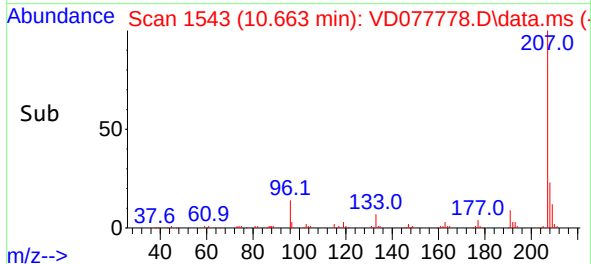
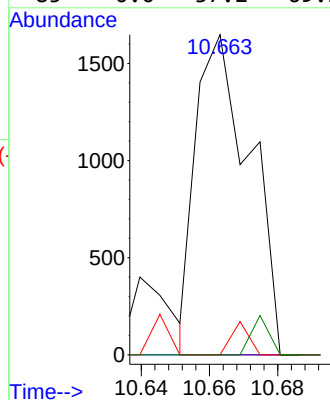


#45
1,1,2-Trichloroethane
Concen: 0.494 ug/L
RT: 10.663 min Scan# 1555
Delta R.T. -0.071 min
Lab File: VD077778.D
Acq: 07 Dec 2023 16:11

Instrument :
MSVOA_D
ClientSampleId :

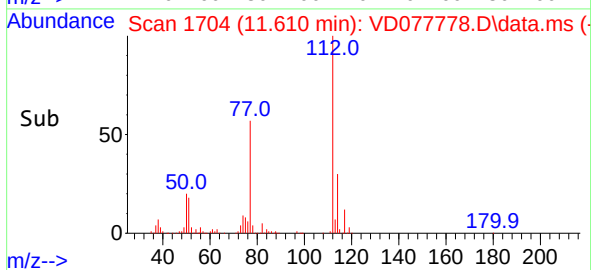
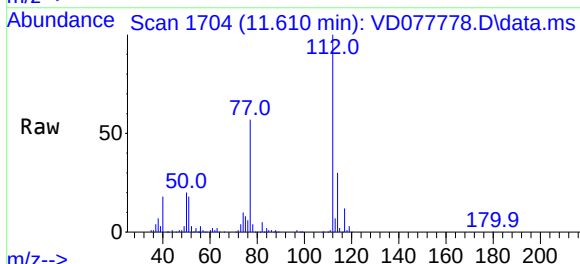
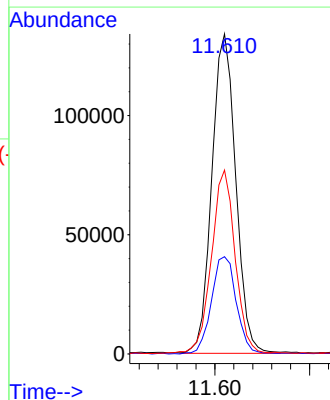


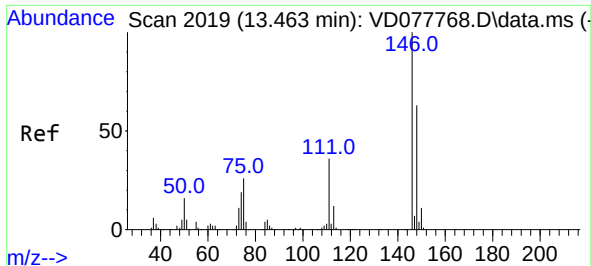
Tgt Ion: 97 Resp: 1810
Ion Ratio Lower Upper
97 100
99 0.0 41.7 77.5#
83 0.0 63.6 118.2#
85 0.0 37.2 69.2#



#51
Chlorobenzene
Concen: 16.987 ug/L
RT: 11.610 min Scan# 1704
Delta R.T. -0.000 min
Lab File: VD077778.D
Acq: 07 Dec 2023 16:11

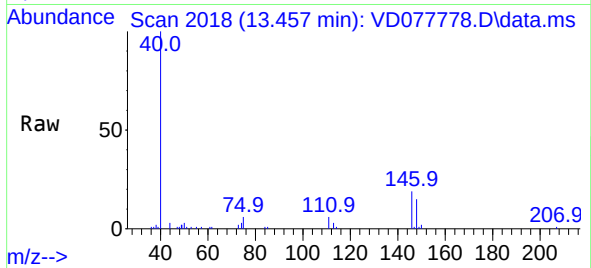
Tgt Ion:112 Resp: 234310
Ion Ratio Lower Upper
112 100
114 30.4 22.5 41.9
77 57.4 46.4 69.6



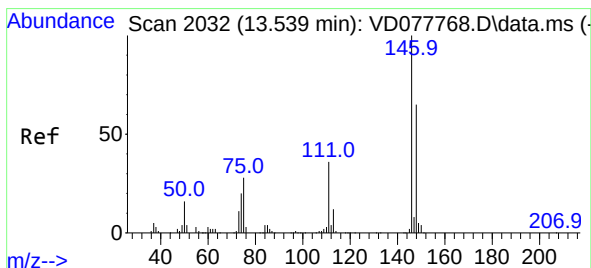
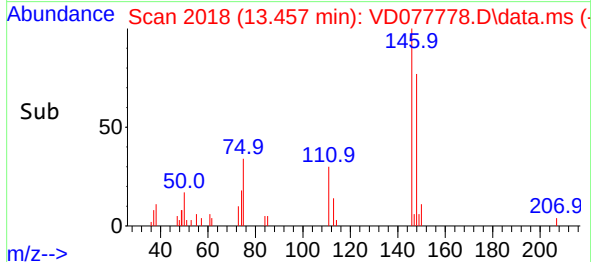
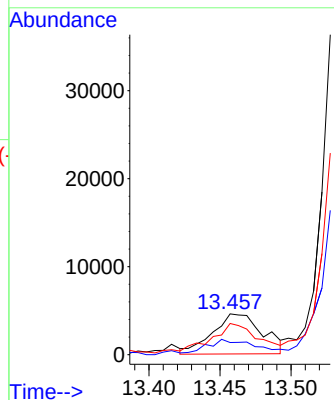


#64
1,3-Dichlorobenzene
Concen: 1.163 ug/L
RT: 13.457 min Scan# 2018
Delta R.T. -0.006 min
Lab File: VD077778.D
Acq: 07 Dec 2023 16:11

Instrument :
MSVOA_D
ClientSampleId :

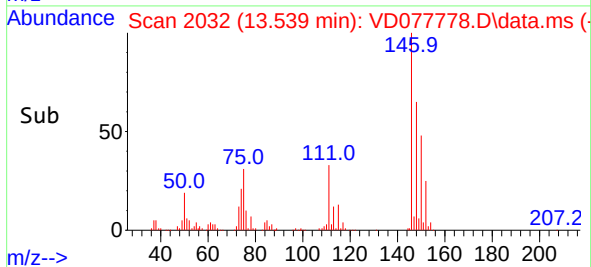
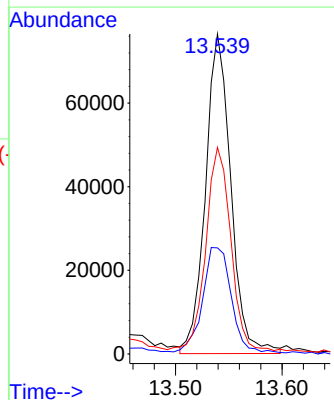
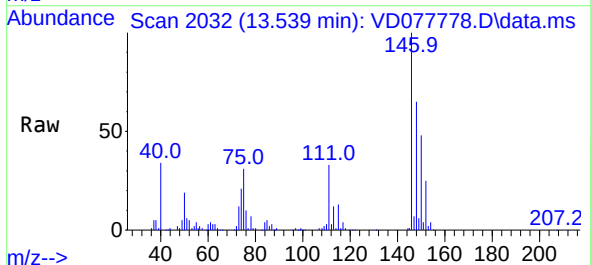


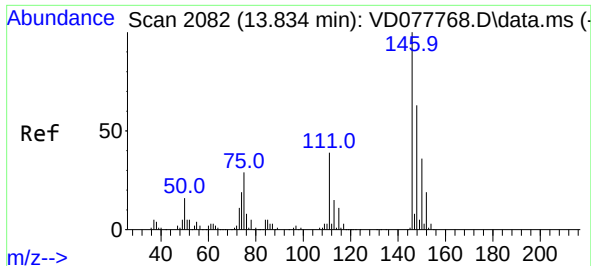
Tgt Ion:146 Resp: 11105
Ion Ratio Lower Upper
146 100
111 29.9 26.6 49.4
148 76.6 44.0 81.6



#65
1,4-Dichlorobenzene
Concen: 12.767 ug/L
RT: 13.539 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VD077778.D
Acq: 07 Dec 2023 16:11

Tgt Ion:146 Resp: 126504
Ion Ratio Lower Upper
146 100
111 33.1 26.4 49.0
148 64.5 44.0 81.8





#67

1,2-Dichlorobenzene

Concen: 1.162 ug/L

RT: 13.834 min Scan# 2082

Delta R.T. -0.000 min

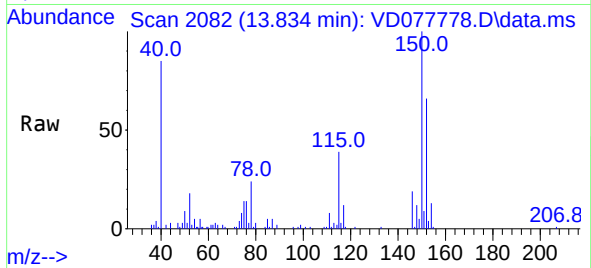
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Acq: 07 Dec 2023 16:11

Instrument :

MSVOA_D

ClientSampleId :



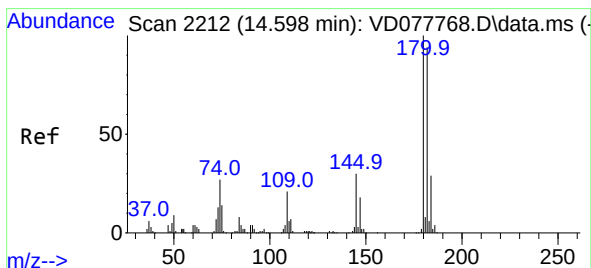
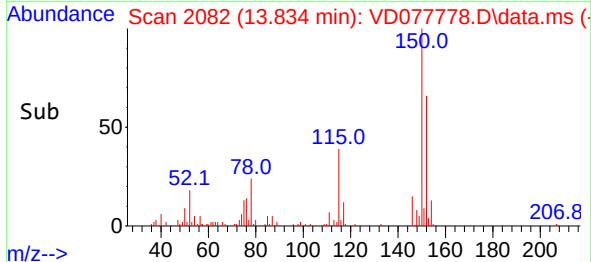
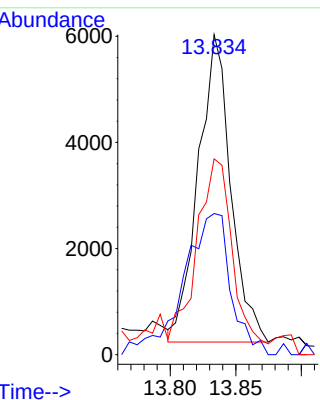
Tgt Ion:146 Resp: 9987

Ion Ratio Lower Upper

146 100

111 44.1 31.4 47.2

148 61.2 50.2 75.2



#69

1,3,5-Trichlorobenzene

Concen: 10.209 ug/L

RT: 15.104 min Scan# 2298

Delta R.T. 0.506 min

Lab File: VD077778.D

Acq: 07 Dec 2023 16:11

Tgt Ion:180 Resp: 66380

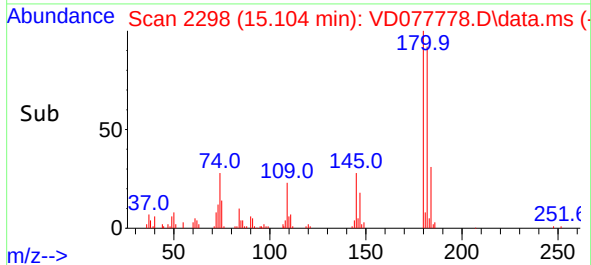
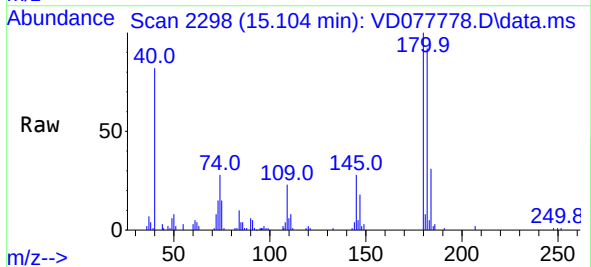
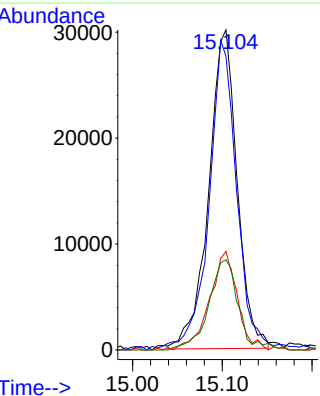
Ion Ratio Lower Upper

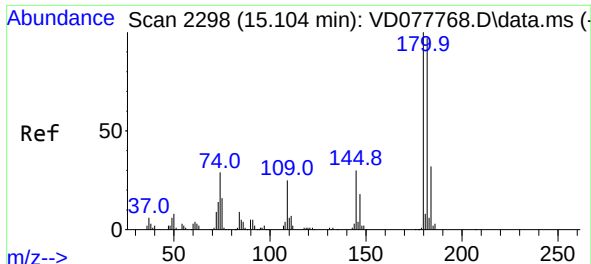
180 100

182 93.9 77.0 115.4

184 30.1 24.3 36.5

145 28.2 23.4 35.0

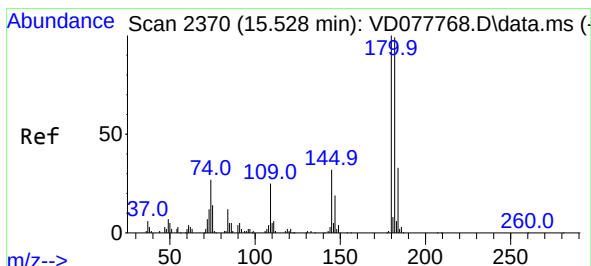
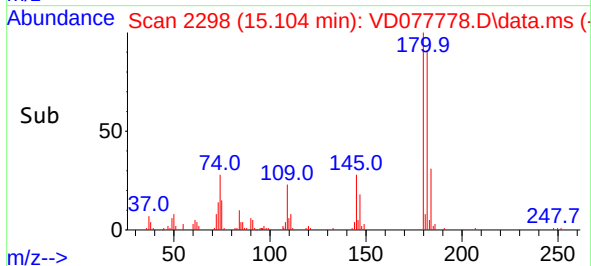
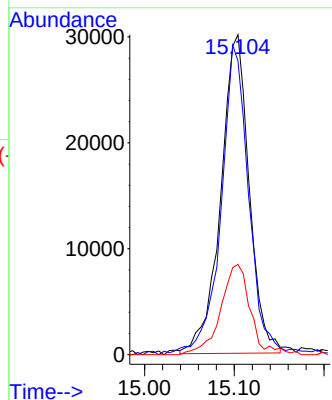
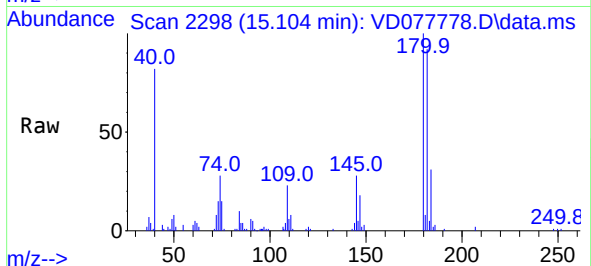




#70
1,2,4-trichlorobenzene
Concen: 12.025 ug/L
RT: 15.104 min Scan# 2298
Delta R.T. -0.000 min
Lab File: VD077778.D
Acq: 07 Dec 2023 16:11

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:180 Resp: 66380
Ion Ratio Lower Upper
180 100
182 92.8 77.0 115.6
145 28.2 23.9 35.9



#72
1,2,3-Trichlorobenzene
Concen: 6.005 ug/L
RT: 15.528 min Scan# 2370
Delta R.T. -0.000 min
Lab File: VD077778.D
Acq: 07 Dec 2023 16:11

Tgt Ion:180 Resp: 29057
Ion Ratio Lower Upper
180 100
182 95.5 77.3 115.9
145 33.0 25.2 37.8

