

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041824\
 Data File : VW028478.D
 Acq On : 18 Apr 2024 10:46
 Operator : SY/MD
 Sample : P2154-05
 Misc : 5.00g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 19 04:57:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040824SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Apr 18 02:19:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	318810	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	289317	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	138261	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	84494	16.532	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.120%
7) Chloroethane-d5	2.899	69	70650	18.238	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.960%
11) 1,1-Dichloroethene-d2	4.021	65	38221	17.659	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.640%
21) 2-Butanone-d5	7.081	46	45960	48.055	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.100%
24) Chloroform-d	7.648	84	180462	21.692	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.760%
26) 1,2-Dichloroethane-d4	8.227	65	41	0.009	ug/L	-0.08
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.040%#
32) Benzene-d6	8.276	84	329672	20.858	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	83.440%
36) 1,2-Dichloropropane-d6	9.270	67	101711	21.650	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.600%
41) Toluene-d8	10.318	98	298826	20.792	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	83.160%
43) trans-1,3-Dichloroprop...	10.574	79	40422	21.639	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.560%
47) 2-Hexanone-d5	10.922	63	30836	47.384	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.760%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	80857	24.394	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.560%
66) 1,2-Dichlorobenzene-d4	13.848	152	88889	20.329	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	81.320%
Target Compounds						
					Qvalue	
13) Acetone	4.118	43	140207	119.392	ug/L	96
16) Methylene chloride	4.917	84	115717	23.987	ug/L	98
17) trans-1,2-Dichloroethene	5.429	96	337387	75.809	ug/L	98
18) Methyl tert-butyl Ether	5.429	73	499778	79.832	ug/L	100
19) 1,1-Dichloroethane	6.222	63	205840	23.739	ug/L	98
20) cis-1,2-Dichloroethene	7.173	96	203549	43.093	ug/L	100
22) 2-Butanone	7.167	43	263423	184.838	ug/L	97
25) Chloroform	7.679	83	244509	28.706	ug/L	96
27) 1,2-Dichloroethane	8.398	62	363330	61.801	ug/L	100
33) Benzene	8.325	78	1392116	76.959	ug/L	100
34) Trichloroethene	9.093	95	430683	87.856	ug/L	96
37) 1,2-Dichloropropane	9.367	63	409818	86.924	ug/L	100
39) cis-1,3-Dichloropropene	10.068	75	327531	47.374	ug/L	97
40) 4-Methyl-2-pentanone	10.209	43	219447	92.980	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	227381	40.654	ug/L	96
45) 1,1,2-Trichloroethane	10.788	97	1154	0.362	ug/L	90
46) Tetrachloroethene	10.861	164	77047	21.041	ug/L	89
49) Dibromochloromethane	11.129	129	139464	40.908	ug/L	100
50) 1,2-Dibromoethane	11.233	107	215578	74.050	ug/L	92

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 Quant Title : SFAM01.0
 QLast Update : Thu Apr 18 02:19:47 2024
 Response via : Initial Calibration

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

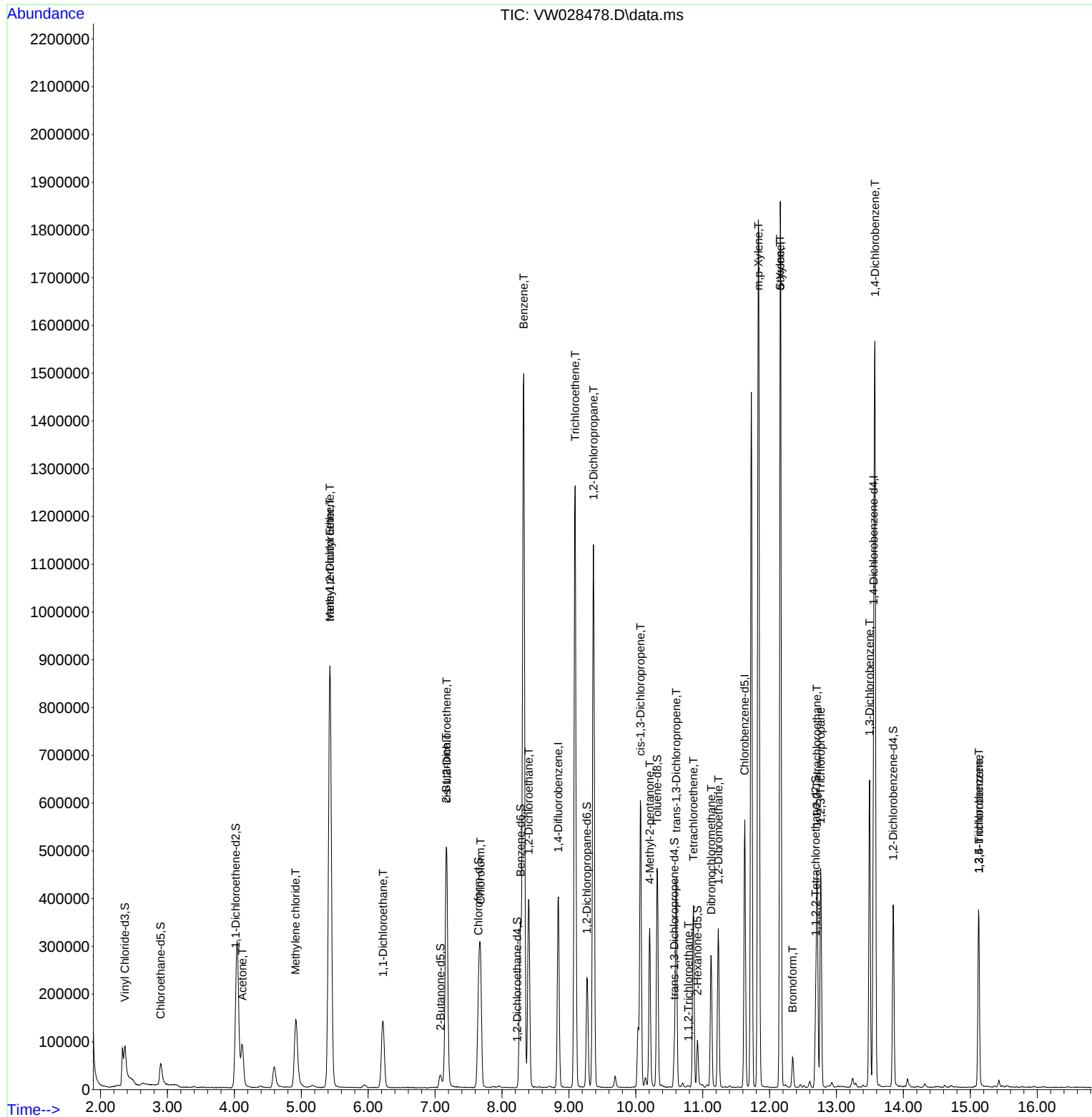
53) m,p-Xylene	11.836	106	552886	68.440	ug/L	90
54) o-Xylene	12.160	106	469506	62.419	ug/L	100
55) Styrene	12.160	104	24828	1.939	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	12.708	83	203477	56.369	ug/L	95
59) Bromoform	12.342	173	26312	14.417	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	181630	71.854	ug/L	100
64) 1,3-Dichlorobenzene	13.495	146	232917	26.483	ug/L	97
65) 1,4-Dichlorobenzene	13.574	146	556219	62.171	ug/L	98
69) 1,3,5-Trichlorobenzene	15.129	180	106917	17.666	ug/L	97
70) 1,2,4-trichlorobenzene	15.129	180	106917	22.622	ug/L	91

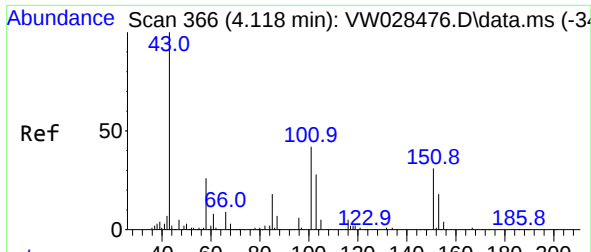
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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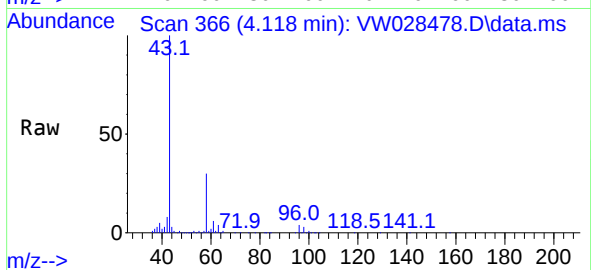
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Quant Title : SFAM01.0
QLast Update : Thu Apr 18 02:19:47 2024
Response via : Initial Calibration



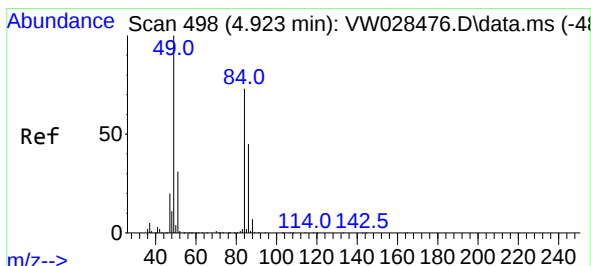
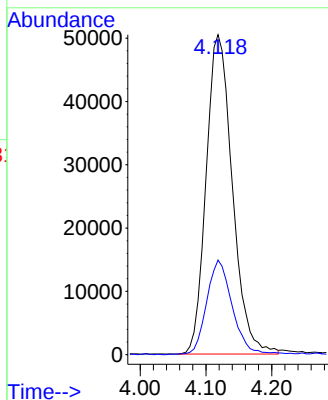
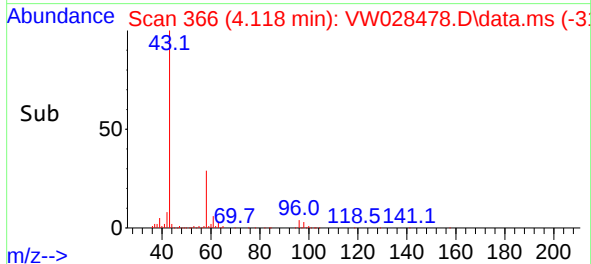


#13
Acetone
Concen: 119.392 ug/L
RT: 4.118 min Scan# 366
Delta R.T. -0.000 min
Lab File: VW028478.D
Acq: 18 Apr 2024 10:46

Instrument :
MSVOA_W
ClientSampleId :

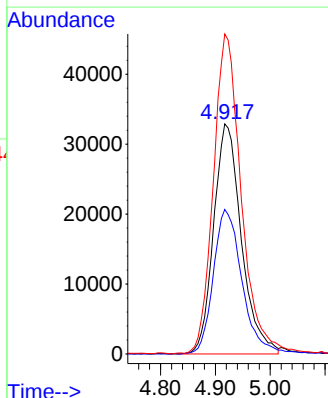
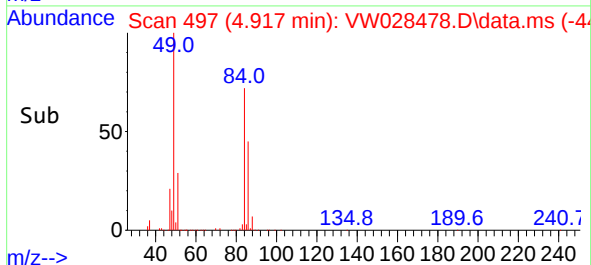
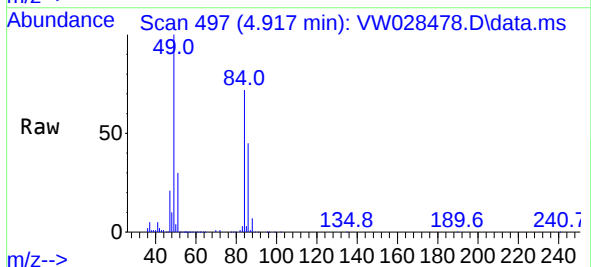


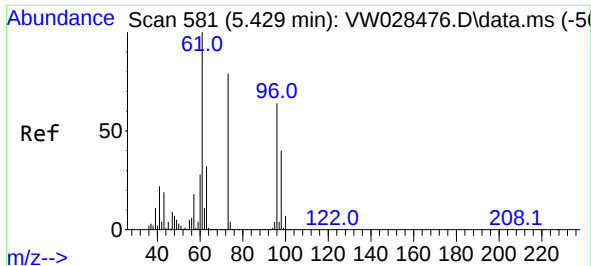
Tgt Ion: 43 Resp: 140207
Ion Ratio Lower Upper
43 100
58 28.8 0.0 53.4



#16
Methylene chloride
Concen: 23.987 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.000 min
Lab File: VW028478.D
Acq: 18 Apr 2024 10:46

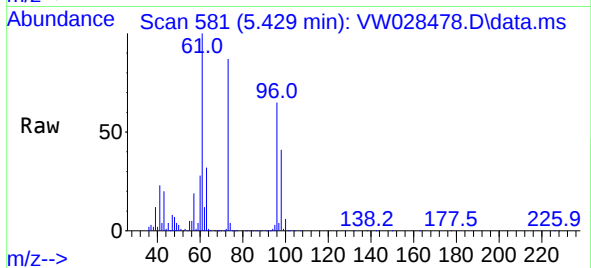
Tgt Ion: 84 Resp: 115717
Ion Ratio Lower Upper
84 100
86 62.8 44.2 82.0
49 139.1 95.0 176.4





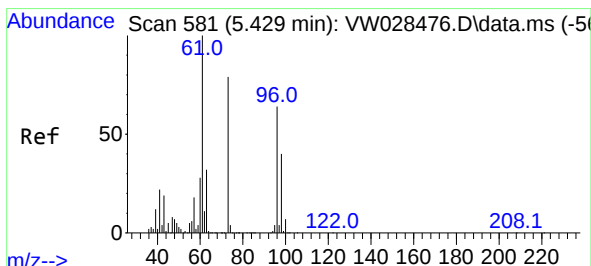
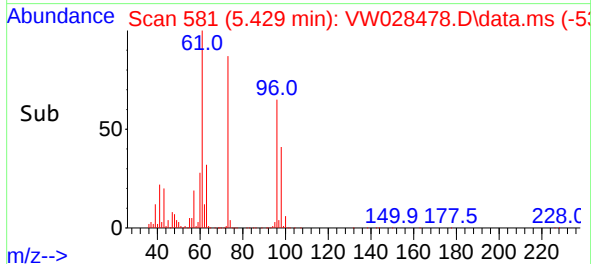
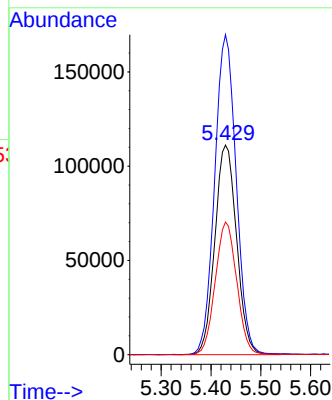
#17
trans-1,2-Dichloroethene
Concen: 75.809 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.006 min
Lab File: VW028478.D
Acq: 18 Apr 2024 10:46

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion: 96 Resp: 337387

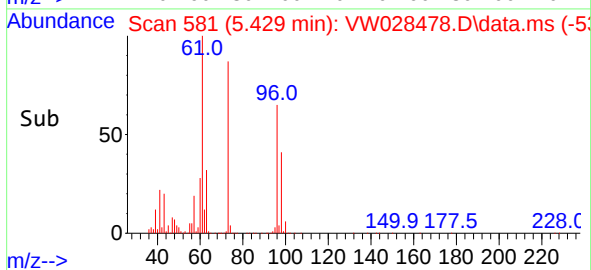
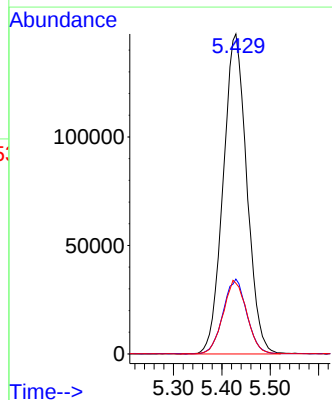
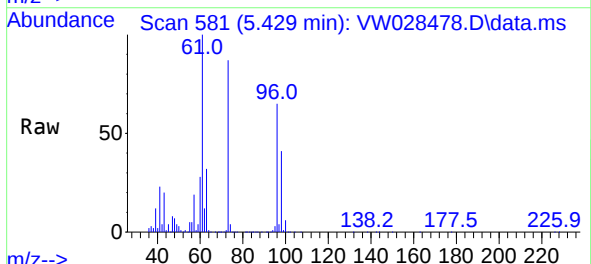
Ion	Ratio	Lower	Upper
96	100		
61	152.7	108.4	201.4
98	63.3	45.6	84.8

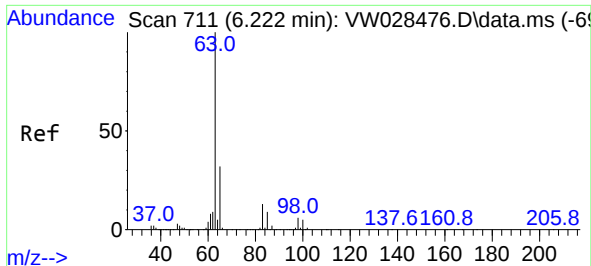


#18
Methyl tert-butyl Ether
Concen: 79.832 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.006 min
Lab File: VW028478.D
Acq: 18 Apr 2024 10:46

Tgt Ion: 73 Resp: 499778

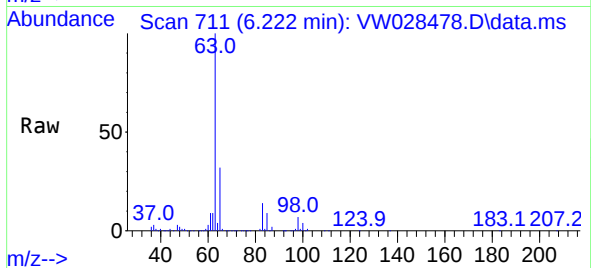
Ion	Ratio	Lower	Upper
73	100		
43	23.3	18.5	27.7
57	22.9	18.2	27.4



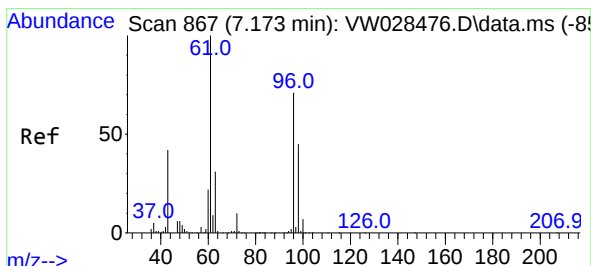
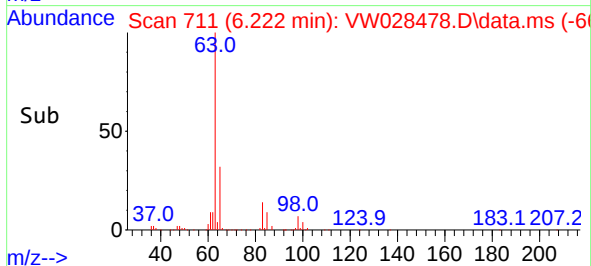
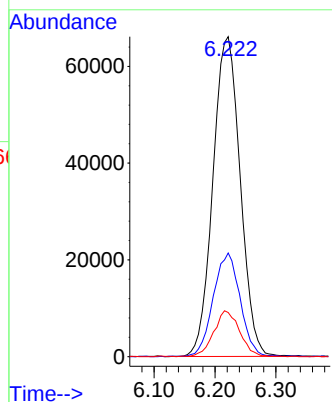


#19
1,1-Dichloroethane
Concen: 23.739 ug/L
RT: 6.222 min Scan# 711
Delta R.T. 0.006 min
Lab File: VW028478.D
Acq: 18 Apr 2024 10:46

Instrument :
MSVOA_W
ClientSampleId :

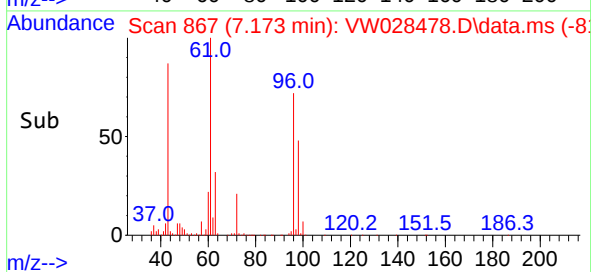
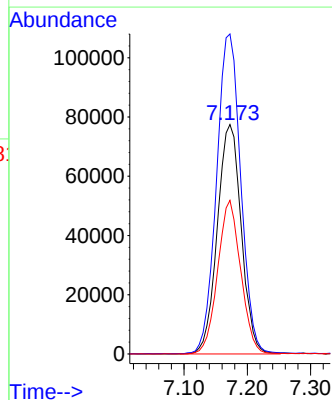
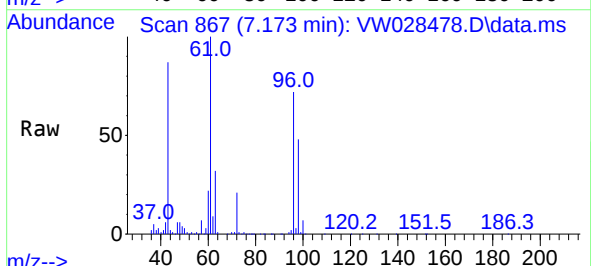


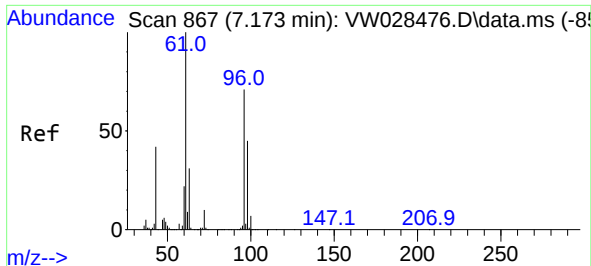
Tgt Ion: 63 Resp: 205840
Ion Ratio Lower Upper
63 100
65 32.4 21.8 40.4
83 13.8 9.0 16.8



#20
cis-1,2-Dichloroethene
Concen: 43.093 ug/L
RT: 7.173 min Scan# 867
Delta R.T. 0.006 min
Lab File: VW028478.D
Acq: 18 Apr 2024 10:46

Tgt Ion: 96 Resp: 203549
Ion Ratio Lower Upper
96 100
61 139.5 97.6 181.2
98 67.0 47.7 88.5

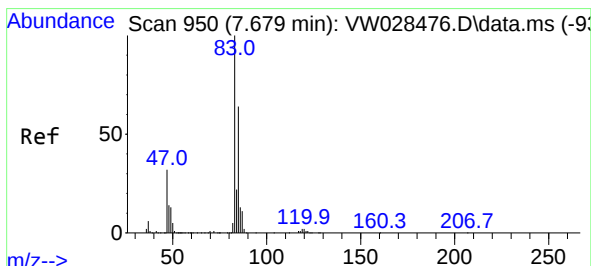
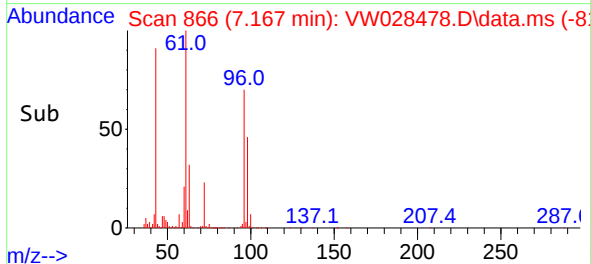
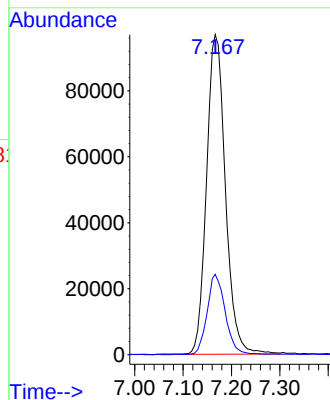
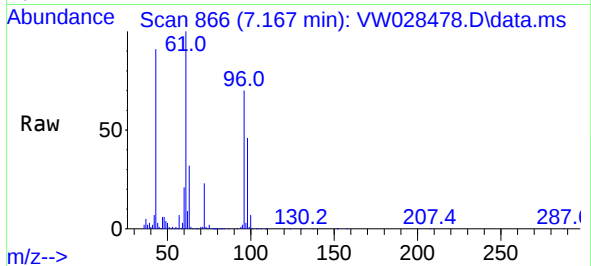




#22
2-Butanone
Concen: 184.838 ug/L
RT: 7.167 min Scan# 866
Delta R.T. -0.006 min
Lab File: VW028478.D
Acq: 18 Apr 2024 10:46

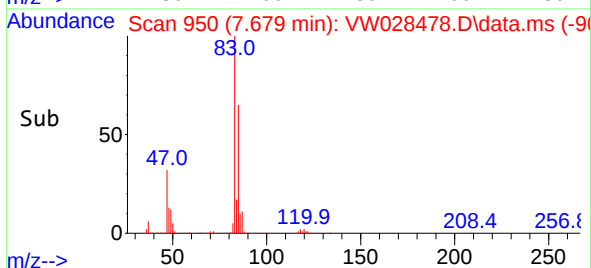
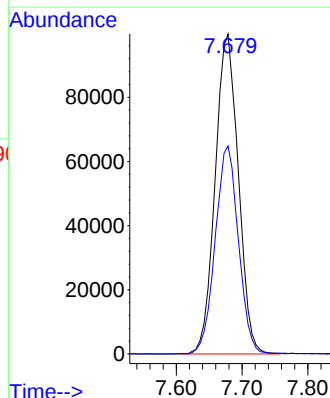
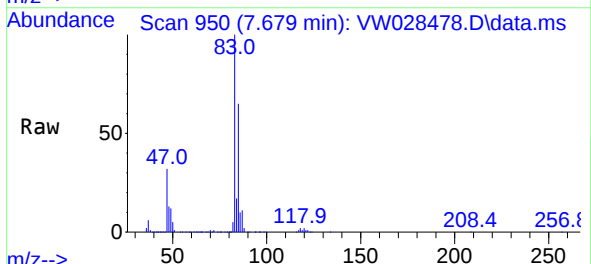
Instrument :
MSVOA_W
ClientSampleId :

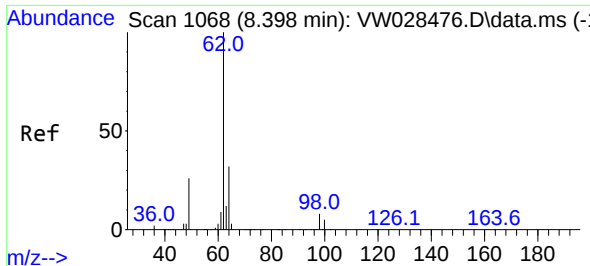
Tgt Ion: 43 Resp: 263423
Ion Ratio Lower Upper
43 100
72 23.9 12.8 38.4



#25
Chloroform
Concen: 28.706 ug/L
RT: 7.679 min Scan# 950
Delta R.T. -0.000 min
Lab File: VW028478.D
Acq: 18 Apr 2024 10:46

Tgt Ion: 83 Resp: 244509
Ion Ratio Lower Upper
83 100
85 64.9 47.7 88.7





#27

1,2-Dichloroethane

Concen: 61.801 ug/L

RT: 8.398 min Scan# 1068

Delta R.T. -0.000 min

Lab File: VW028478.D

Acq: 18 Apr 2024 10:46

Instrument :

MSVOA_W

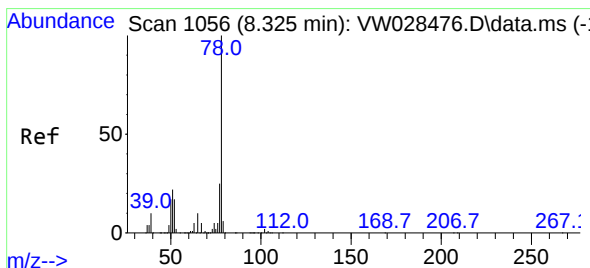
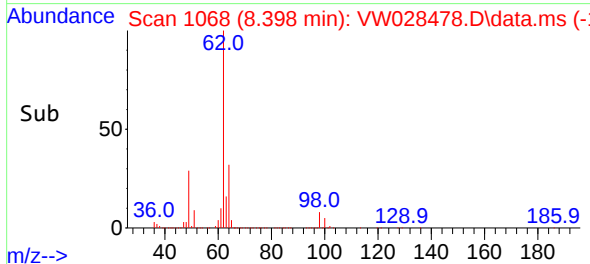
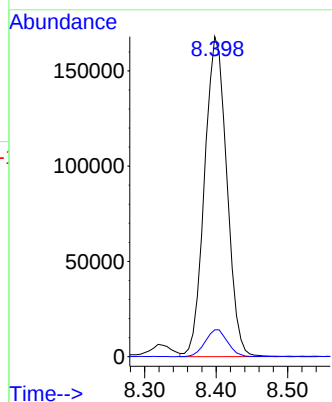
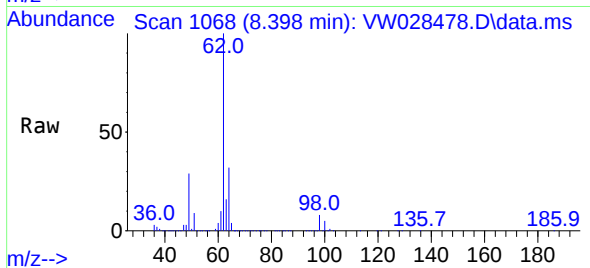
ClientSampleId :

Tgt Ion: 62 Resp: 363330

Ion Ratio Lower Upper

62 100

98 8.4 6.6 10.0



#33

Benzene

Concen: 76.959 ug/L

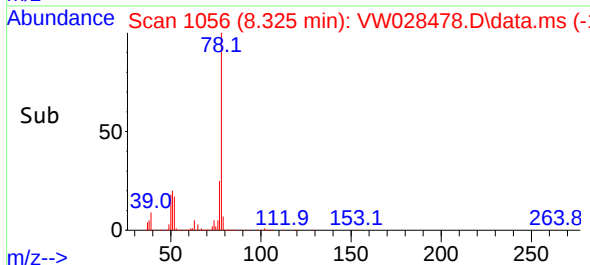
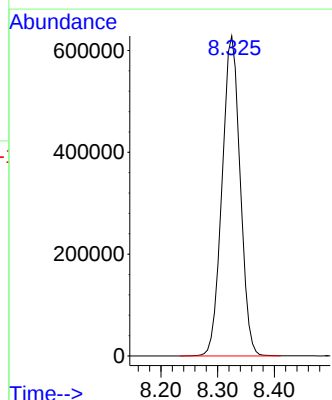
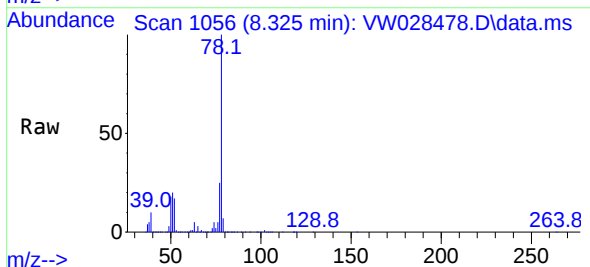
RT: 8.325 min Scan# 1056

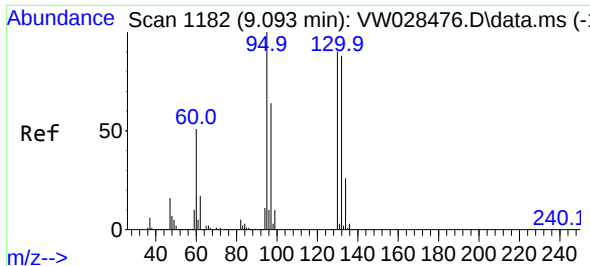
Delta R.T. -0.000 min

Lab File: VW028478.D

Acq: 18 Apr 2024 10:46

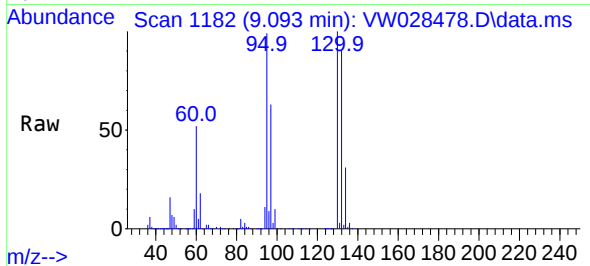
Tgt Ion: 78 Resp: 1392116





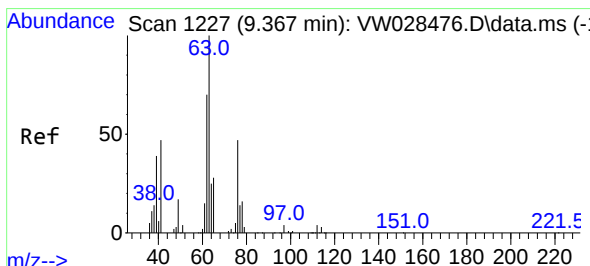
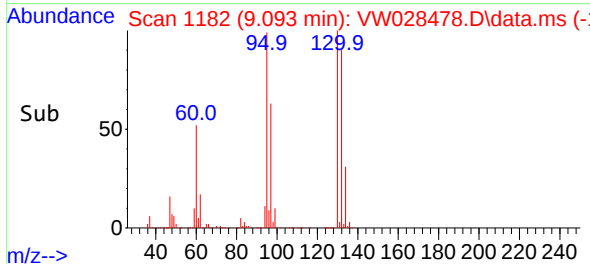
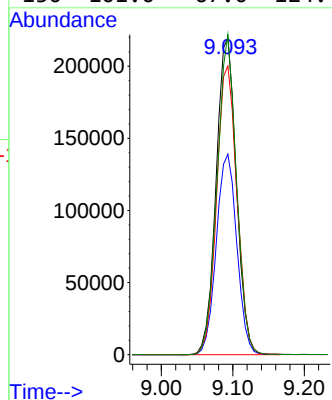
#34
Trichloroethene
Concen: 87.856 ug/L
RT: 9.093 min Scan# 1182
Delta R.T. -0.000 min
Lab File: VW028478.D
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Tgt Ion: 95 Resp: 430683

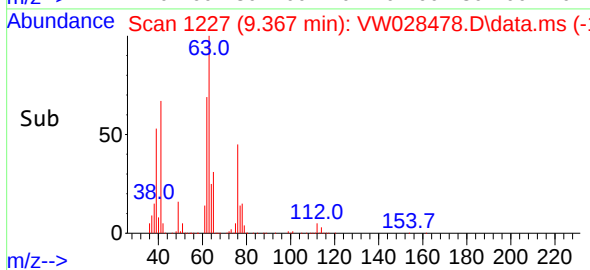
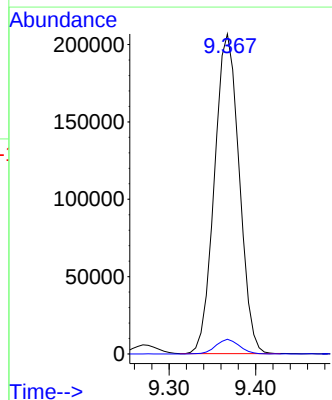
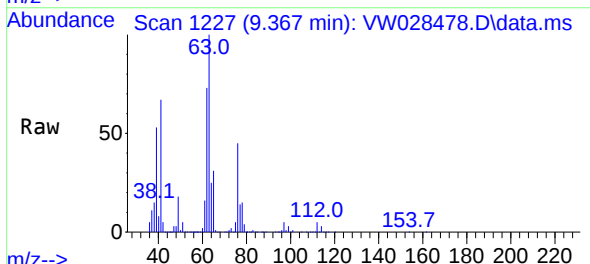
Ion	Ratio	Lower	Upper
95	100		
97	63.3	43.8	81.4
132	91.2	66.1	122.8
130	101.0	67.0	124.4

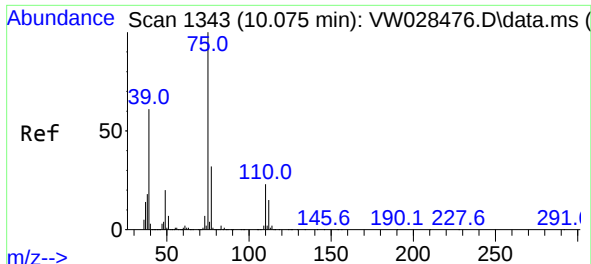


#37
1,2-Dichloropropane
Concen: 86.924 ug/L
RT: 9.367 min Scan# 1227
Delta R.T. -0.000 min
Lab File: VW028478.D
Acq: 18 Apr 2024 10:46

Tgt Ion: 63 Resp: 409818

Ion	Ratio	Lower	Upper
63	100		
112	4.4	3.6	5.4

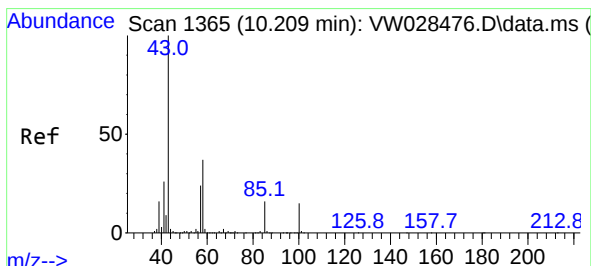
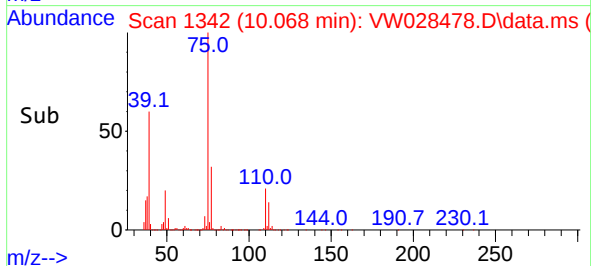
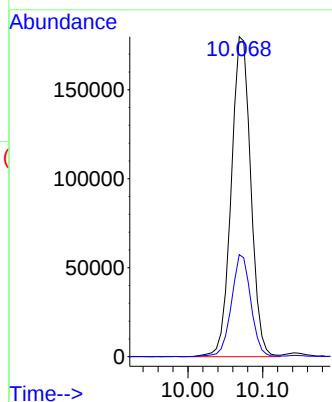
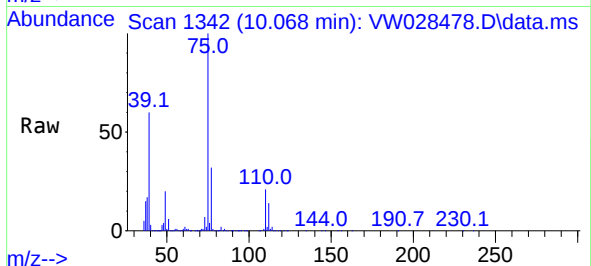




#39
cis-1,3-Dichloropropene
Concen: 47.374 ug/L
RT: 10.068 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW028478.D
Acq: 18 Apr 2024 10:46

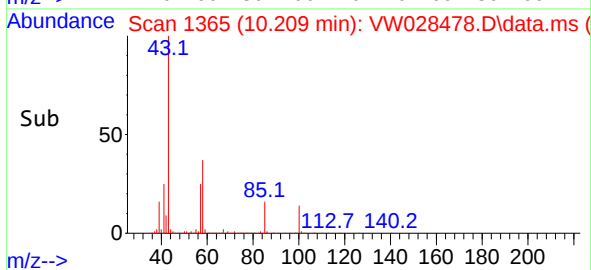
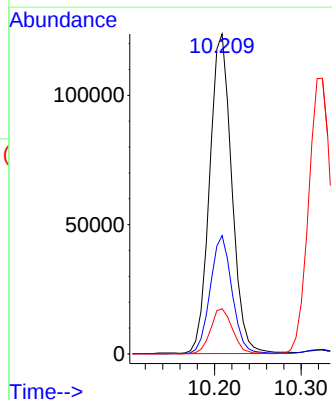
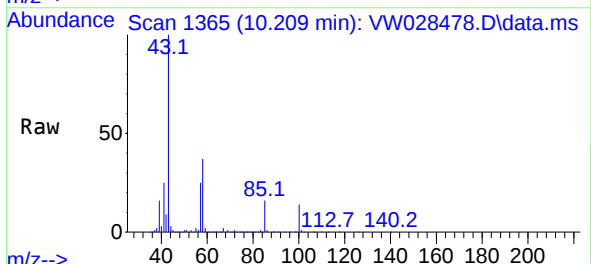
Instrument :
MSVOA_W
ClientSampleId :

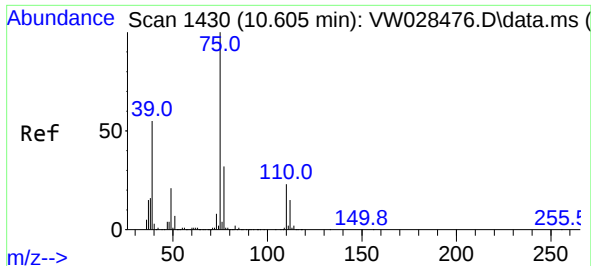
Tgt Ion: 75 Resp: 327531
Ion Ratio Lower Upper
75 100
77 31.9 21.3 39.5



#40
4-Methyl-2-pentanone
Concen: 92.980 ug/L
RT: 10.209 min Scan# 1365
Delta R.T. -0.000 min
Lab File: VW028478.D
Acq: 18 Apr 2024 10:46

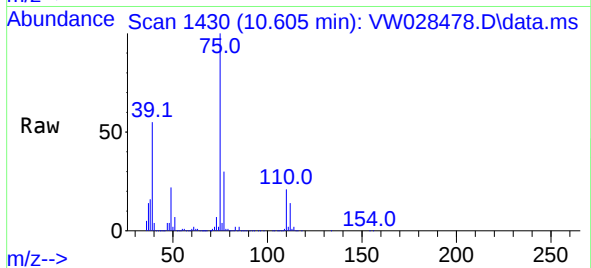
Tgt Ion: 43 Resp: 219447
Ion Ratio Lower Upper
43 100
58 36.7 28.6 43.0
100 14.2 10.6 16.0



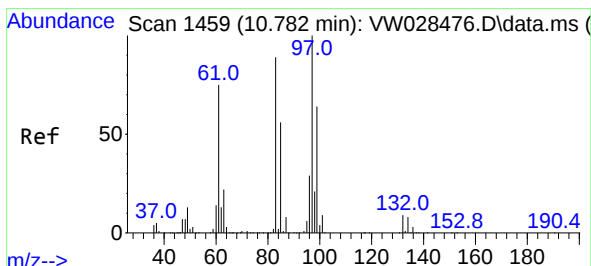
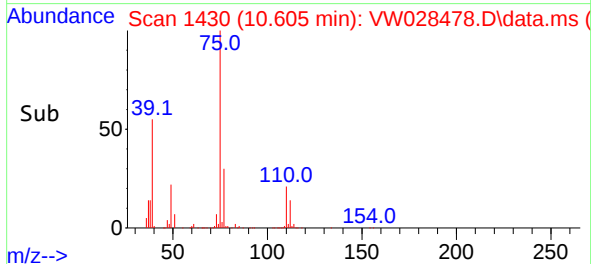
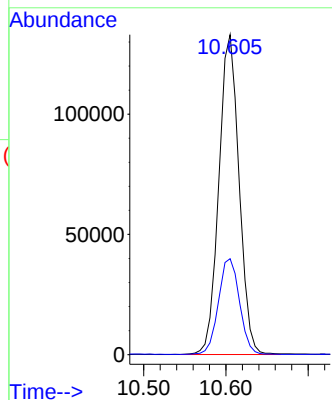


#44
trans-1,3-Dichloropropene
Concen: 40.654 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VW028478.D
Acq: 18 Apr 2024 10:46

Instrument :
MSVOA_W
ClientSampleId :

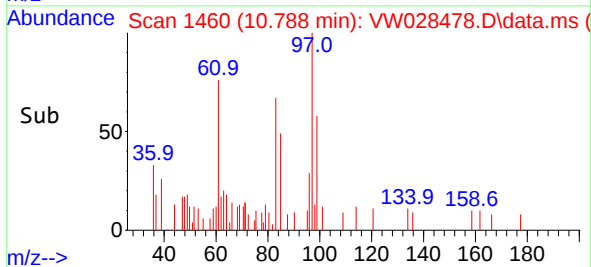
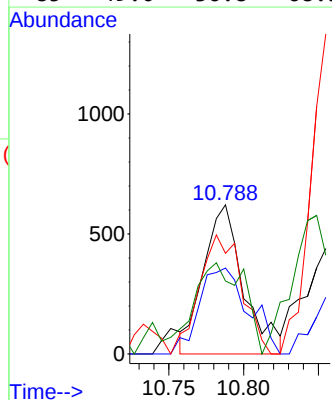
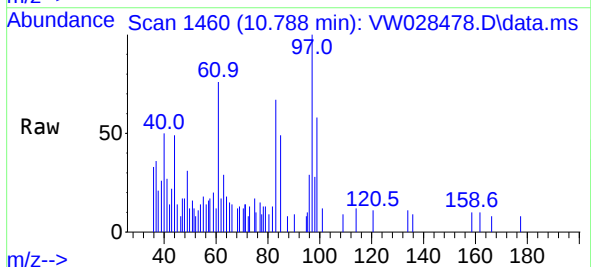


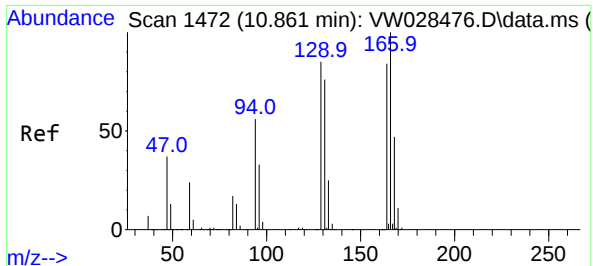
Tgt Ion: 75 Resp: 227381
Ion Ratio Lower Upper
75 100
77 30.0 22.6 42.0



#45
1,1,2-Trichloroethane
Concen: 0.362 ug/L
RT: 10.788 min Scan# 1460
Delta R.T. 0.006 min
Lab File: VW028478.D
Acq: 18 Apr 2024 10:46

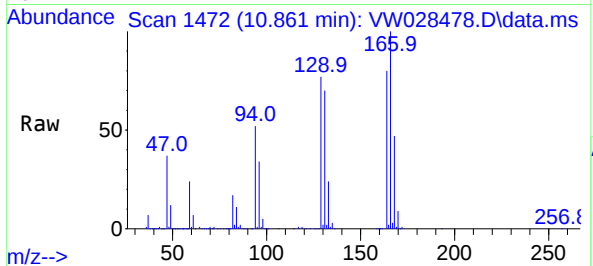
Tgt Ion: 97 Resp: 1154
Ion Ratio Lower Upper
97 100
99 57.6 44.2 82.2
83 67.5 56.4 104.7
85 49.0 36.8 68.3



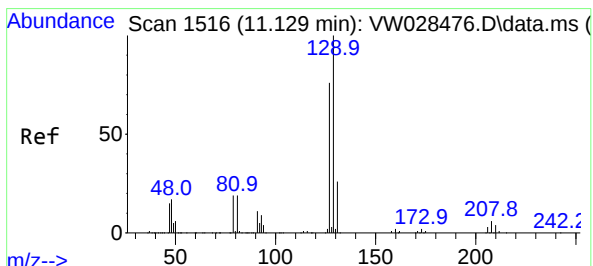
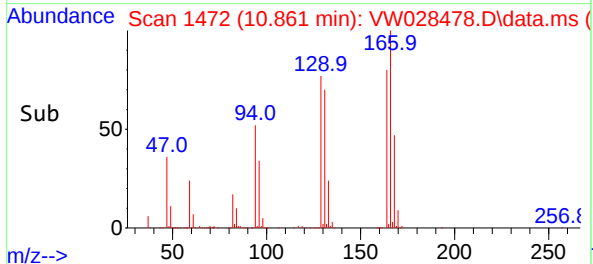
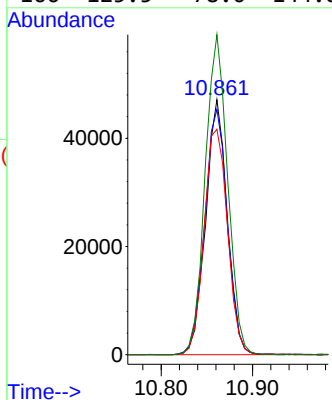


#46
Tetrachloroethene
Concen: 21.041 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VW028478.D
Acq: 18 Apr 2024 10:46

Instrument :
MSVOA_W
ClientSampleId :

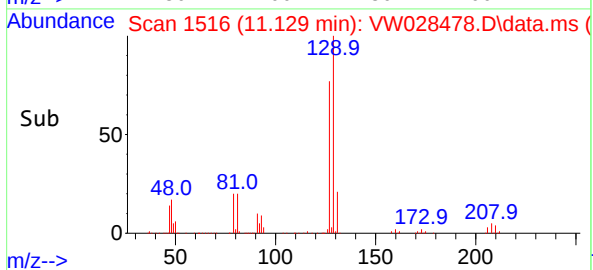
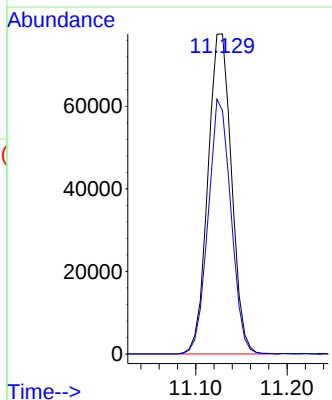
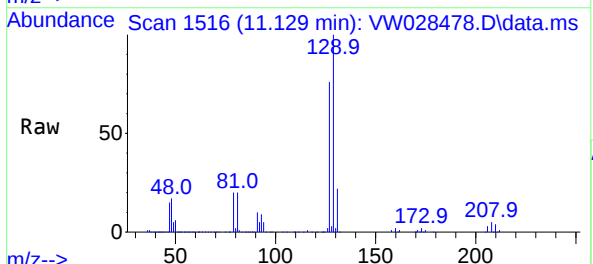


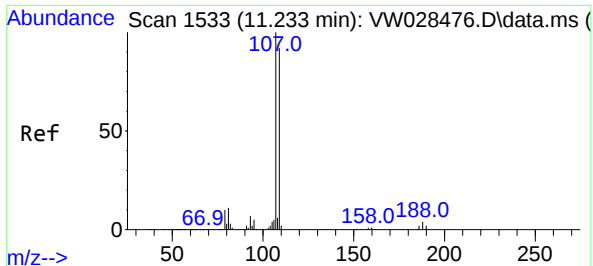
Tgt Ion:164 Resp: 77047
Ion Ratio Lower Upper
164 100
129 96.2 59.7 110.9
131 88.4 58.2 108.2
166 125.5 78.0 144.8



#49
Dibromochloromethane
Concen: 40.908 ug/L
RT: 11.129 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VW028478.D
Acq: 18 Apr 2024 10:46

Tgt Ion:129 Resp: 139464
Ion Ratio Lower Upper
129 100
127 76.0 53.0 98.4

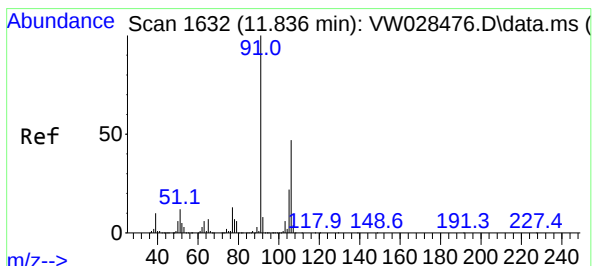
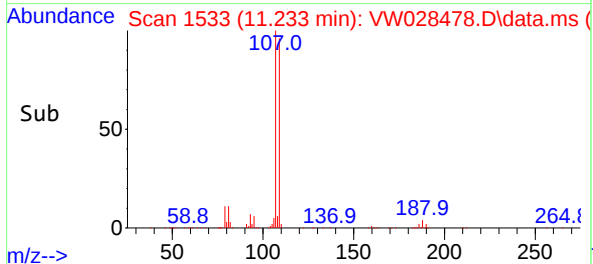
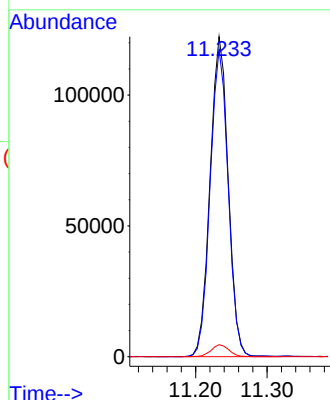
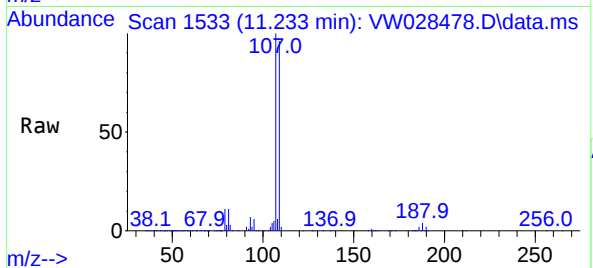




#50
1,2-Dibromoethane
Concen: 74.050 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. -0.000 min
Lab File: VW028478.D
Acq: 18 Apr 2024 10:46

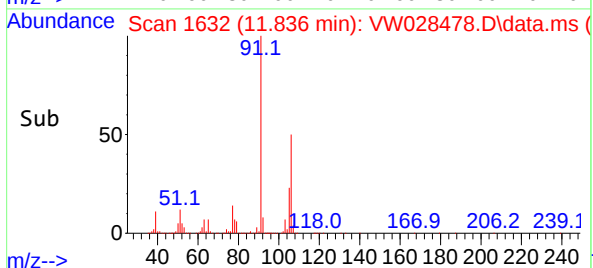
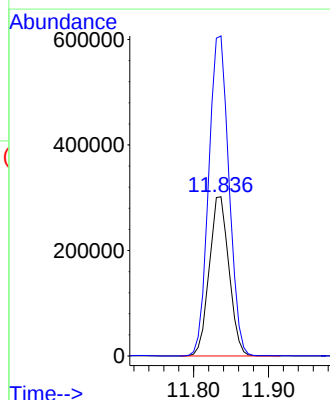
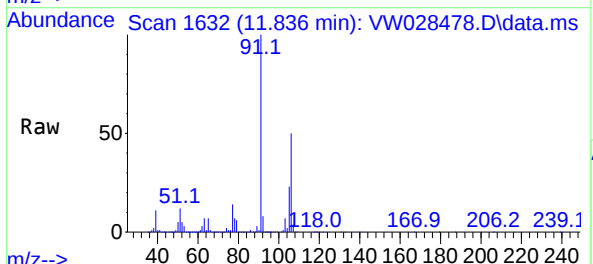
Instrument :
MSVOA_W
ClientSampleId :

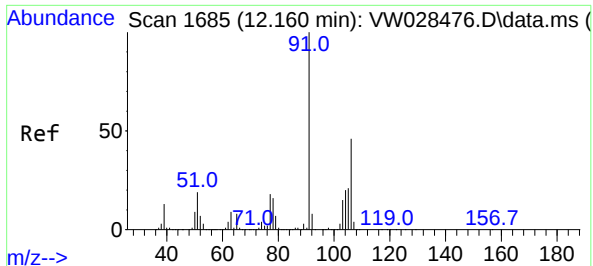
Tgt Ion:	107	Resp:	215578
Ion	Ratio	Lower	Upper
107	100		
109	96.1	62.1	115.3
188	3.8	3.2	4.8



#53
m,p-Xylene
Concen: 68.440 ug/L
RT: 11.836 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW028478.D
Acq: 18 Apr 2024 10:46

Tgt Ion:	106	Resp:	552886
Ion	Ratio	Lower	Upper
106	100		
91	200.9	152.4	283.0

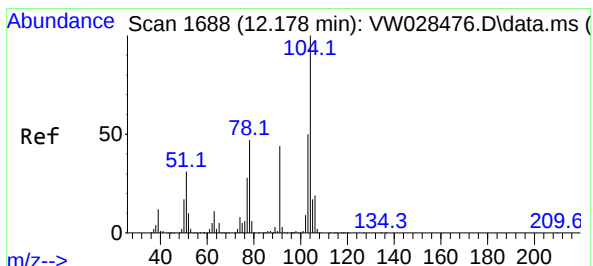
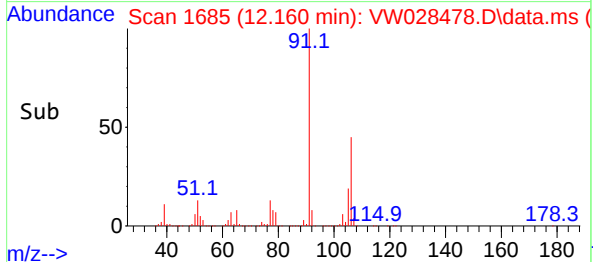
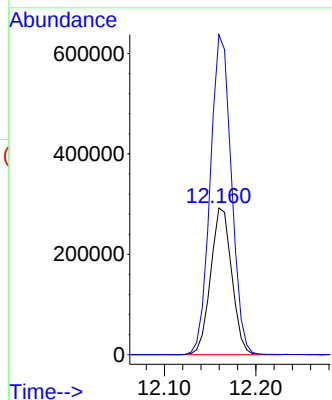
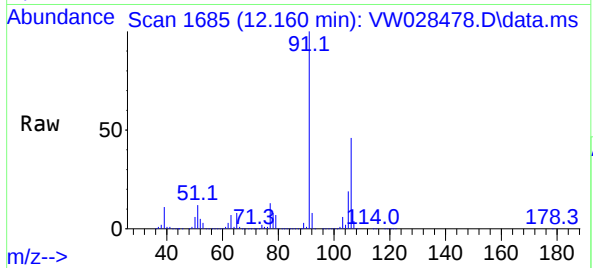




#54
o-Xylene
Concen: 62.419 ug/L
RT: 12.160 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VW028478.D
Acq: 18 Apr 2024 10:46

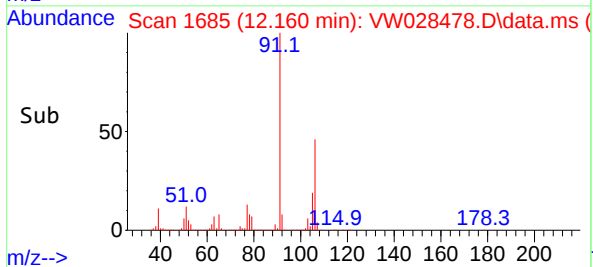
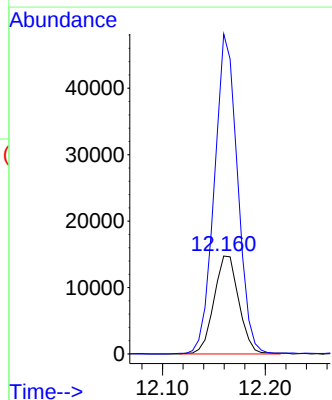
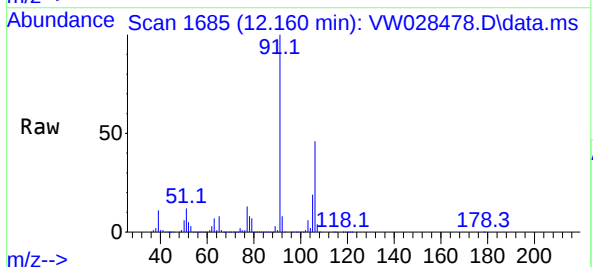
Instrument :
MSVOA_W
ClientSampleId :

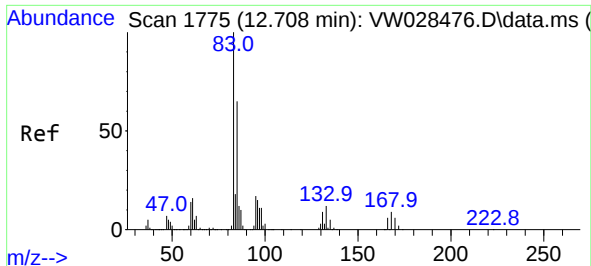
Tgt Ion:106 Resp: 469506
Ion Ratio Lower Upper
106 100
91 218.2 152.9 283.9



#55
Styrene
Concen: 1.939 ug/L
RT: 12.160 min Scan# 1685
Delta R.T. -0.019 min
Lab File: VW028478.D
Acq: 18 Apr 2024 10:46

Tgt Ion:104 Resp: 24828
Ion Ratio Lower Upper
104 100
78 327.0 33.8 62.8#





#57

1,1,2,2-Tetrachloroethane

Concen: 56.369 ug/L

RT: 12.708 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW028478.D

Acq: 18 Apr 2024 10:46

Instrument :

MSVOA_W

ClientSampleId :

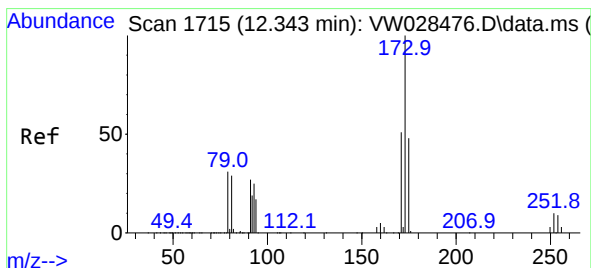
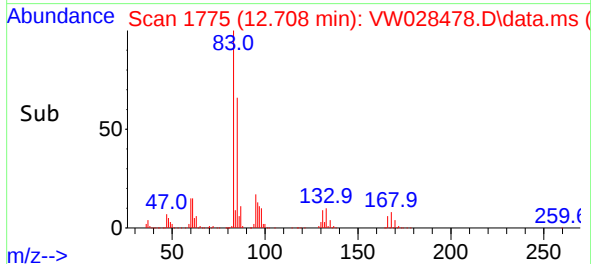
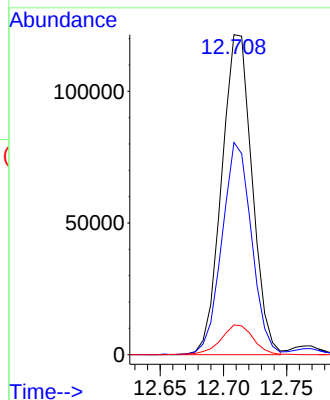
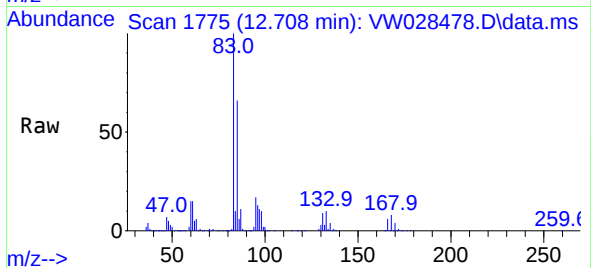
Tgt Ion: 83 Resp: 203477

Ion Ratio Lower Upper

83 100

85 66.3 43.4 80.6

131 9.3 8.0 12.0



#59

Bromoform

Concen: 14.417 ug/L

RT: 12.342 min Scan# 1715

Delta R.T. -0.006 min

Lab File: VW028478.D

Acq: 18 Apr 2024 10:46

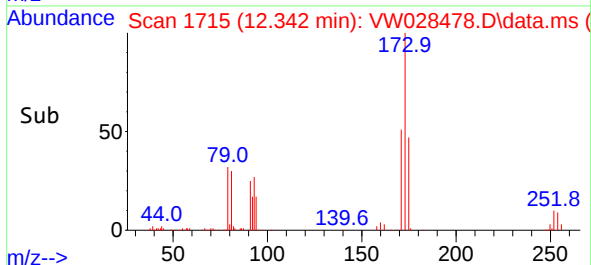
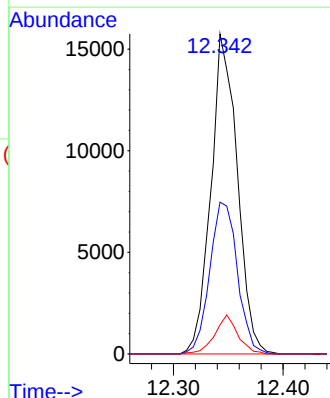
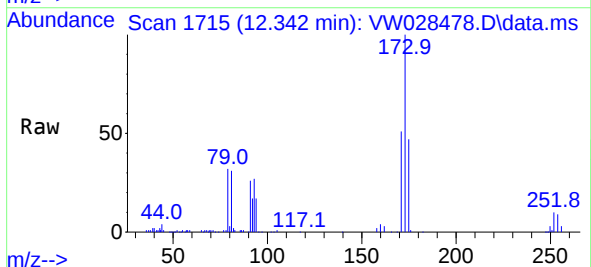
Tgt Ion:173 Resp: 26312

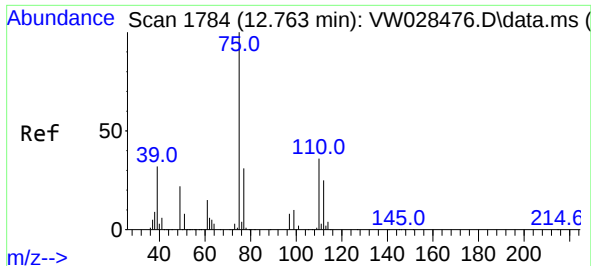
Ion Ratio Lower Upper

173 100

175 49.8 39.2 58.8

254 10.7 8.3 12.5

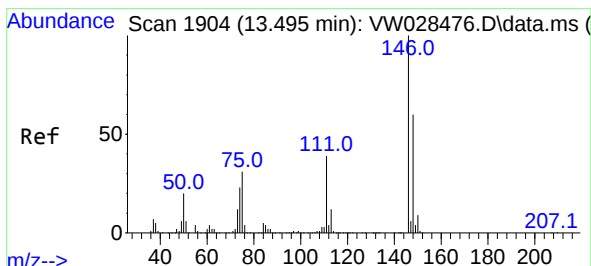
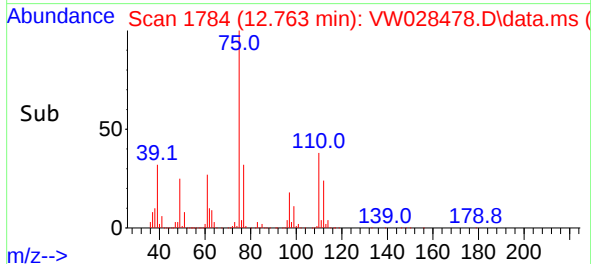
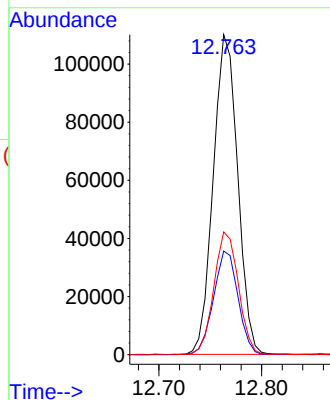
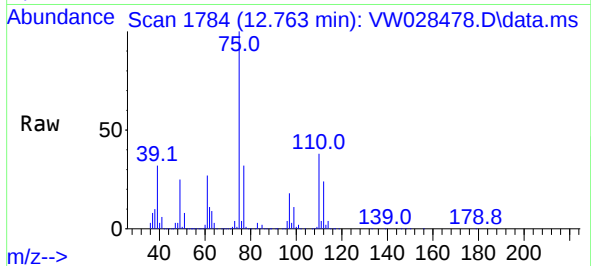




#61
1,2,3-Trichloropropane
Concen: 71.854 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VW028478.D
Acq: 18 Apr 2024 10:46

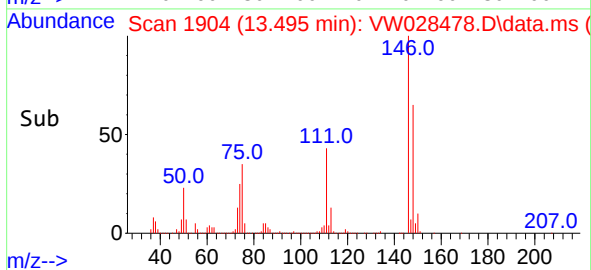
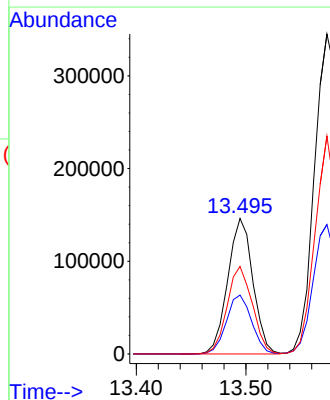
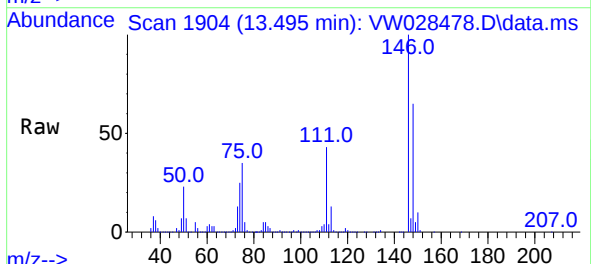
Instrument :
MSVOA_W
ClientSampleId :

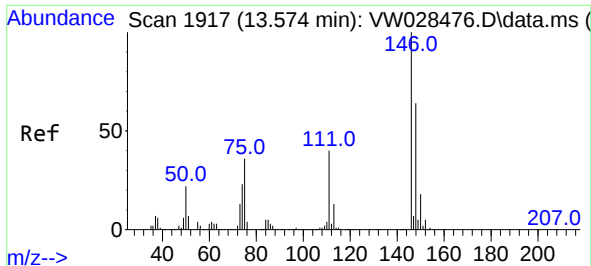
Tgt Ion: 75 Resp: 181630
Ion Ratio Lower Upper
75 100
77 32.3 26.1 39.1
110 38.6 30.6 46.0



#64
1,3-Dichlorobenzene
Concen: 26.483 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW028478.D
Acq: 18 Apr 2024 10:46

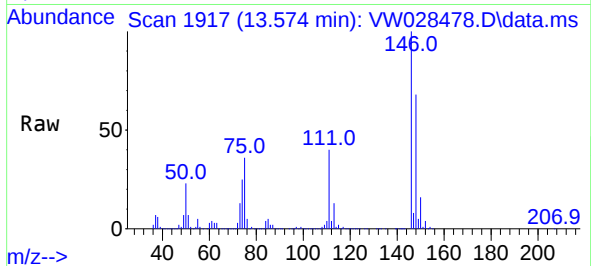
Tgt Ion:146 Resp: 232917
Ion Ratio Lower Upper
146 100
111 43.4 29.8 55.3
148 64.6 47.3 87.8



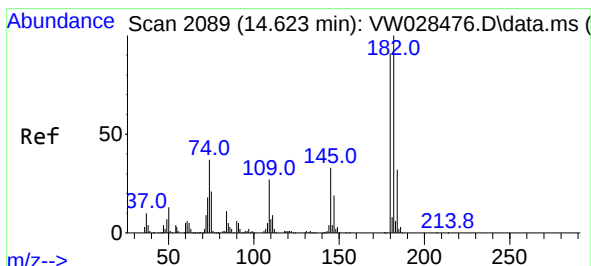
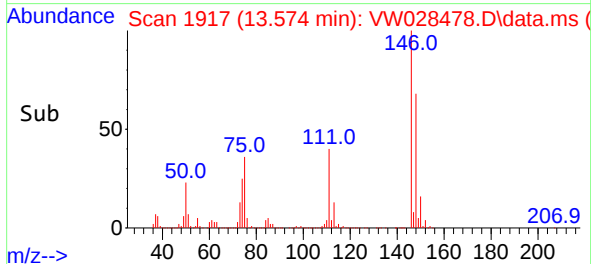
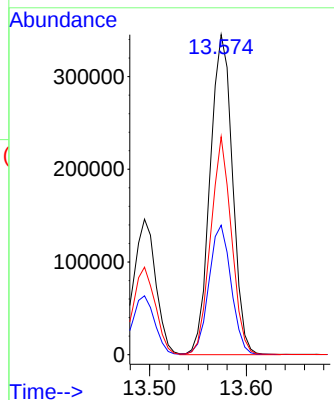


#65
1,4-Dichlorobenzene
Concen: 62.171 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW028478.D
Acq: 18 Apr 2024 10:46

Instrument :
MSVOA_W
ClientSampleId :

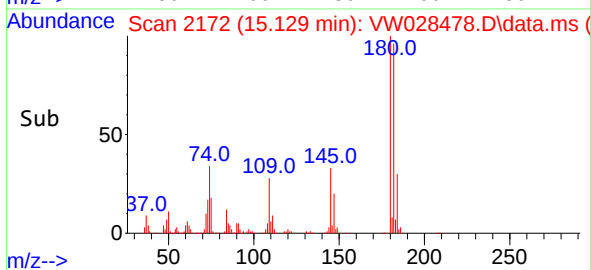
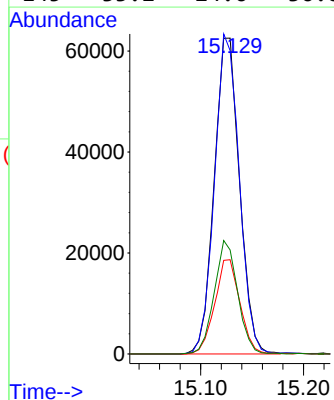
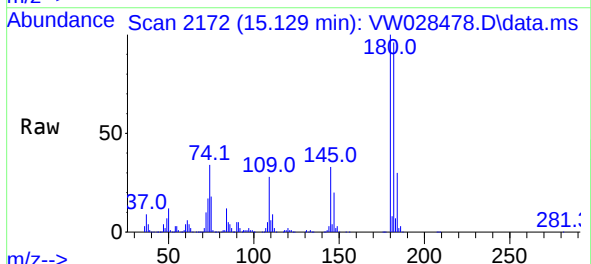


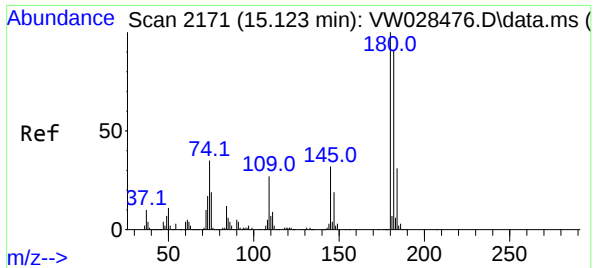
Tgt Ion:146 Resp: 556219
Ion Ratio Lower Upper
146 100
111 40.5 30.3 56.3
148 68.1 47.3 87.8



#69
1,3,5-Trichlorobenzene
Concen: 17.666 ug/L
RT: 15.129 min Scan# 2172
Delta R.T. 0.506 min
Lab File: VW028478.D
Acq: 18 Apr 2024 10:46

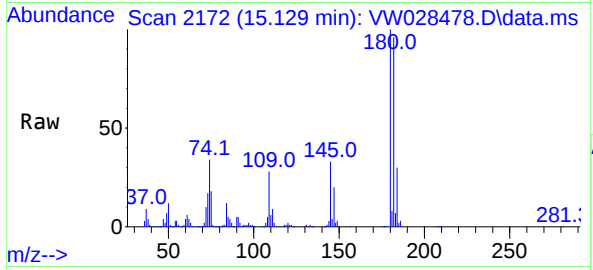
Tgt Ion:180 Resp: 106917
Ion Ratio Lower Upper
180 100
182 98.8 77.4 116.0
184 29.8 24.8 37.2
145 33.2 24.6 36.8





#70
1,2,4-trichlorobenzene
Concen: 22.622 ug/L
RT: 15.129 min Scan# 2171
Delta R.T. 0.006 min
Lab File: VW028478.D
Acq: 18 Apr 2024 10:46

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:	180	Resp:	106917
Ion	Ratio	Lower	Upper
180	100		
182	98.8	71.5	107.3
145	33.2	23.5	35.3

