

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122322\
 Data File : VW025194.D
 Acq On : 23 Dec 2022 14:05
 Operator : SY/MD
 Sample : N6171-05MSDRE
 Misc : 4.82g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 23 22:02:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120822SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Dec 23 21:59:05 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	629208	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	518059	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	206619	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	144622	19.939	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.760%
7) Chloroethane-d5	2.879	69	102783	21.946	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.800%
11) 1,1-Dichloroethene-d2	4.019	63	352421	22.178	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.720%
21) 2-Butanone-d5	7.074	46	176933	97.165	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	194.340%#
24) Chloroform-d	7.647	84	410627	25.282	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.120%
26) 1,2-Dichloroethane-d4	8.305	65	236313	28.691	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	114.760%
32) Benzene-d6	8.275	84	831917	27.382	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	109.520%
36) 1,2-Dichloropropane-d6	9.274	67	262155	29.655	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	118.640%
41) Toluene-d8	10.323	98	731866	26.568	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.280%
43) trans-1,3-Dichloroprop...	10.579	79	112866	30.224	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	120.880%
47) 2-Hexanone-d5	10.920	63	148363	114.390	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	228.780%#
56) 1,1,2,2-Tetrachloroeth...	12.688	84	248760	38.107	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	152.440%#
66) 1,2-Dichlorobenzene-d4	13.847	152	187486	26.771	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	107.080%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.007	85	80384	21.080	ug/L	98
3) Chloromethane	2.215	50	123661	18.417	ug/L	98
5) Vinyl chloride	2.355	62	146482	17.439	ug/L	99
6) Bromomethane	2.776	94	77811	17.878	ug/L	99
8) Chloroethane	2.916	64	69772	17.959	ug/L	99
9) Trichlorofluoromethane	3.251	101	108606	17.253	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.062	101	168449	20.259	ug/L	98
12) 1,1-Dichloroethene	4.038	96	164113	20.702	ug/L	92
13) Acetone	4.117	43	119667	63.931	ug/L	96
14) Carbon disulfide	4.385	76	451330	17.834	ug/L	100
15) Methyl Acetate	4.672	43	102159	33.438	ug/L	97
16) Methylene chloride	4.915	84	196190	19.950	ug/L	95
17) trans-1,2-Dichloroethene	5.421	96	169411	20.159	ug/L	98
18) Methyl tert-butyl Ether	5.428	73	326832	26.210	ug/L	99
19) 1,1-Dichloroethane	6.214	63	323434	21.300	ug/L	99
20) cis-1,2-Dichloroethene	7.165	96	193731	21.802	ug/L	94
22) 2-Butanone	7.171	43	155692	66.114	ug/L	97
23) Bromochloromethane	7.513	128	88941	23.653	ug/L	96
25) Chloroform	7.671	83	322399	20.981	ug/L	98

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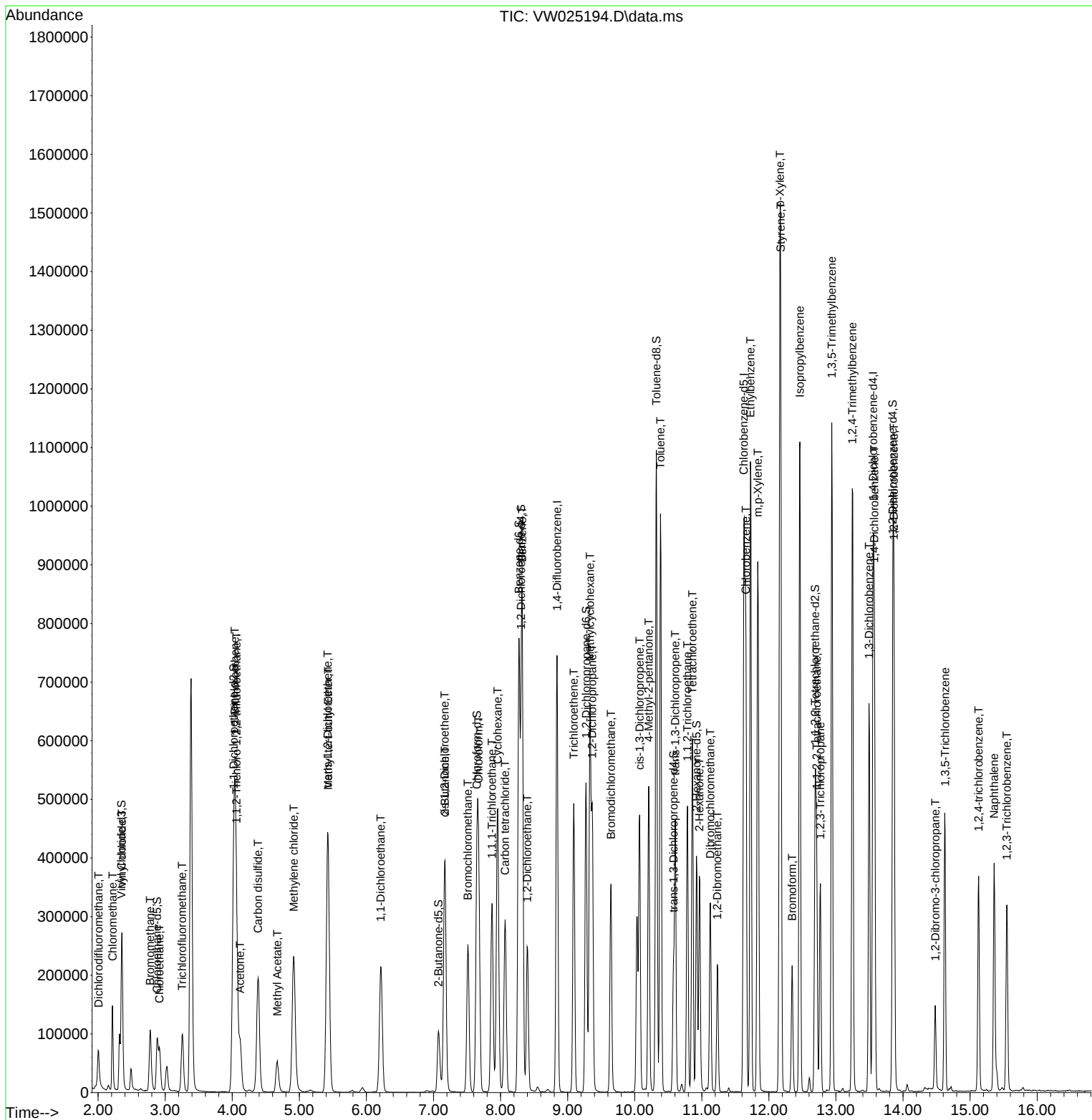
Instrument :
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 ClientSampleId :

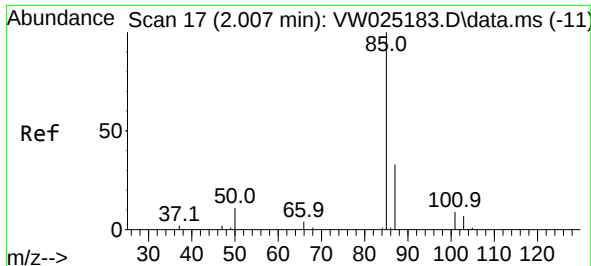
Quant Time: Dec 23 22:02:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120822SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Dec 23 21:59:05 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.397	62	227610	23.526	ug/L	98
29) Cyclohexane	7.958	56	288642	22.003	ug/L	100
30) 1,1,1-Trichloroethane	7.872	97	261406	21.376	ug/L	98
31) Carbon tetrachloride	8.067	117	231900	20.623	ug/L	99
33) Benzene	8.323	78	723071	22.531	ug/L	100
34) Trichloroethene	9.092	95	179179	21.315	ug/L	94
35) Methylcyclohexane	9.335	83	280529	18.814	ug/L	98
37) 1,2-Dichloropropane	9.366	63	185855	24.011	ug/L	99
38) Bromodichloromethane	9.646	83	240563	23.526	ug/L	98
39) cis-1,3-Dichloropropene	10.073	75	295825	25.013	ug/L	99
40) 4-Methyl-2-pentanone	10.207	43	333919	84.155	ug/L	99
42) Toluene	10.384	91	731672	21.760	ug/L	98
44) trans-1,3-Dichloropropene	10.603	75	256832	25.357	ug/L	99
45) 1,1,2-Trichloroethane	10.786	97	152347	27.580	ug/L	98
46) Tetrachloroethene	10.860	164	126931	20.742	ug/L	93
48) 2-Hexanone	10.963	43	232471	80.211	ug/L	99
49) Dibromochloromethane	11.128	129	172102	25.943	ug/L	93
50) 1,2-Dibromoethane	11.231	107	149871	29.141	ug/L #	97
51) Chlorobenzene	11.658	112	433614	20.150	ug/L	99
52) Ethylbenzene	11.725	91	784396	20.585	ug/L	95
53) m,p-Xylene	11.835	106	291738	20.048	ug/L	95
54) o-Xylene	12.164	106	282760	20.388	ug/L	97
55) Styrene	12.176	104	451222	19.212	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.713	83	202192	31.300	ug/L	98
59) Bromoform	12.347	173	97675	34.424	ug/L	98
60) Isopropylbenzene	12.463	105	760520	24.013	ug/L	99
61) 1,2,3-Trichloropropane	12.768	75	154370	38.870	ug/L	98
62) 1,3,5-Trimethylbenzene	12.938	105	622236	22.936	ug/L	100
63) 1,2,4-Trimethylbenzene	13.243	105	594642	22.563	ug/L	99
64) 1,3-Dichlorobenzene	13.493	146	262455	20.242	ug/L	98
65) 1,4-Dichlorobenzene	13.572	146	263790	20.202	ug/L	97
67) 1,2-Dichlorobenzene	13.865	146	248494	21.976	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.481	75	36654	39.585	ug/L	95
69) 1,3,5-Trichlorobenzene	14.627	180	133709	14.523	ug/L	99
70) 1,2,4-trichlorobenzene	15.127	180	110030	14.895	ug/L	100
71) Naphthalene	15.359	128	322126	22.244	ug/L	99
72) 1,2,3-Trichlorobenzene	15.548	180	105496	16.296	ug/L	96

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

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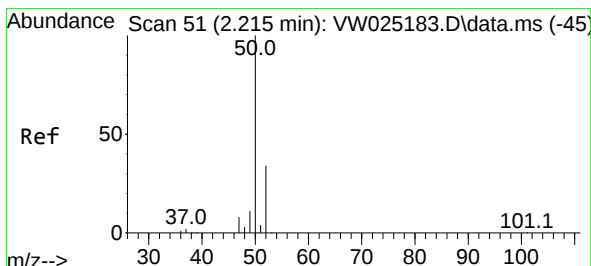
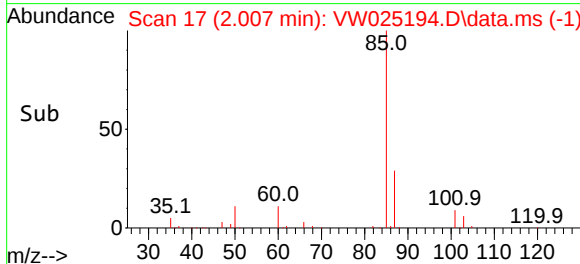
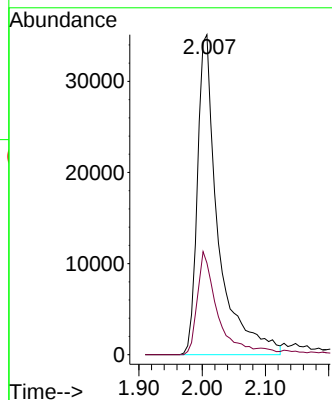
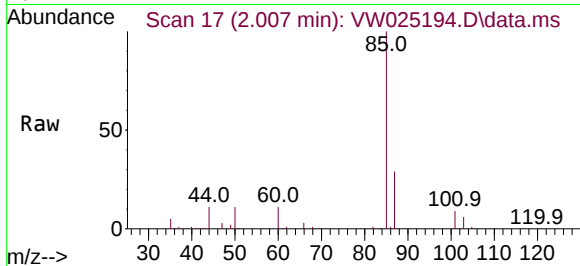




#2
 Dichlorodifluoromethane
 Concen: 21.080 ug/L
 RT: 2.007 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VW025194.D
 Acq: 23 Dec 2022 14:05

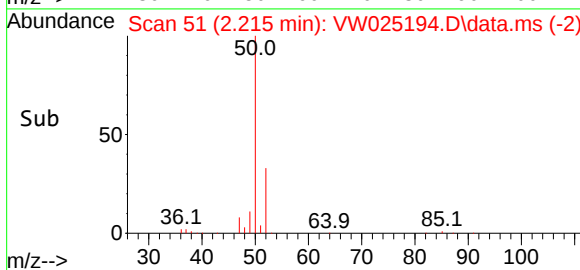
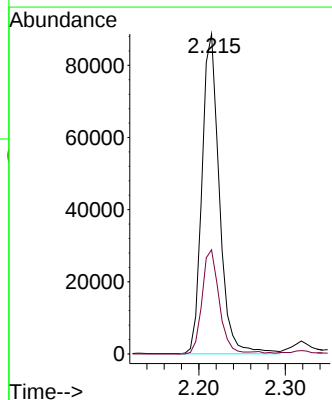
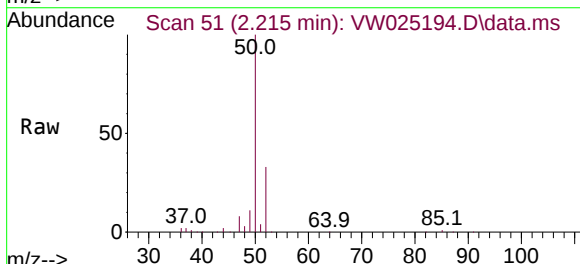
Instrument :
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 ClientSampleId :

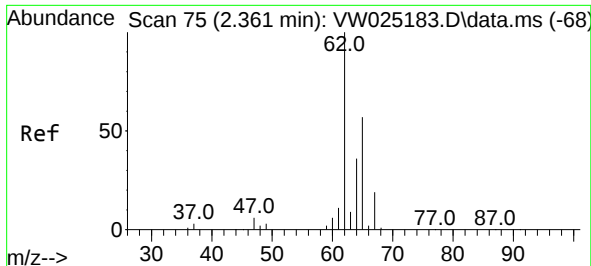
Tgt Ion: 85 Resp: 80384
 Ion Ratio Lower Upper
 85 100
 87 30.3 25.0 37.6



#3
 Chloromethane
 Concen: 18.417 ug/L
 RT: 2.215 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VW025194.D
 Acq: 23 Dec 2022 14:05

Tgt Ion: 50 Resp: 123661
 Ion Ratio Lower Upper
 50 100
 52 32.5 22.1 41.1

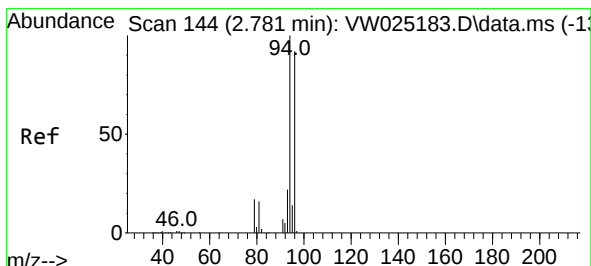
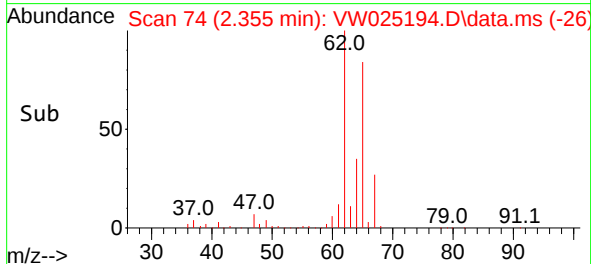
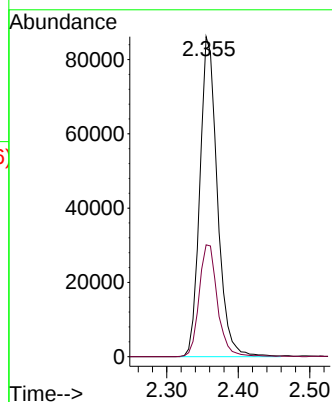
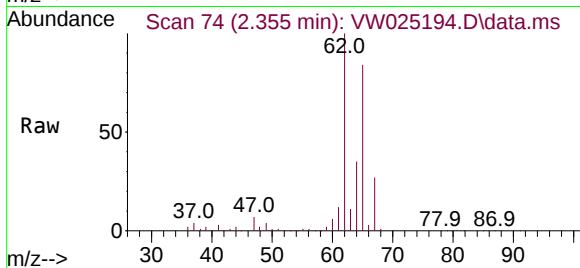




#5
 Vinyl chloride
 Concen: 17.439 ug/L
 RT: 2.355 min Scan# 74
 Delta R.T. -0.006 min
 Lab File: VW025194.D
 Acq: 23 Dec 2022 14:05

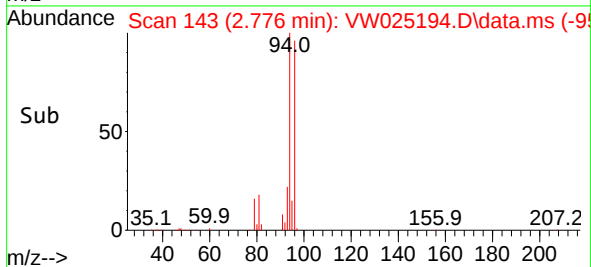
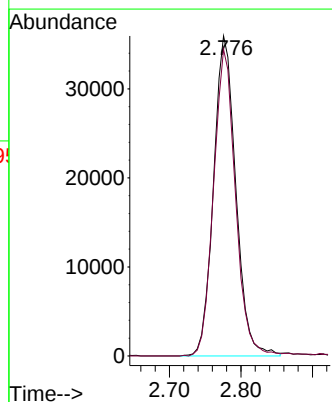
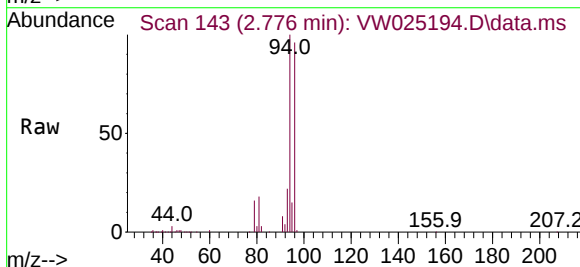
Instrument :
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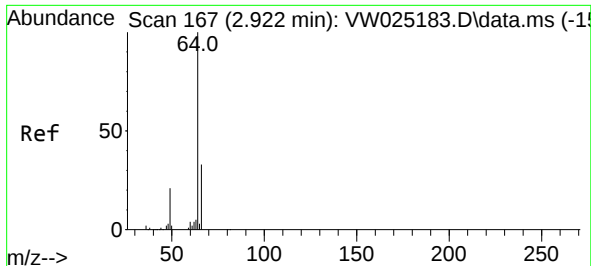
Tgt Ion: 62 Resp: 146482
 Ion Ratio Lower Upper
 62 100
 64 35.0 24.8 46.1



#6
 Bromomethane
 Concen: 17.878 ug/L
 RT: 2.776 min Scan# 143
 Delta R.T. -0.006 min
 Lab File: VW025194.D
 Acq: 23 Dec 2022 14:05

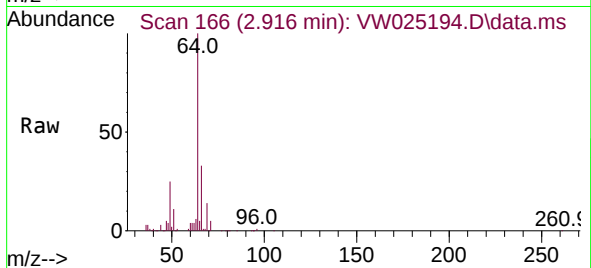
Tgt Ion: 94 Resp: 77811
 Ion Ratio Lower Upper
 94 100
 96 95.8 66.7 123.9



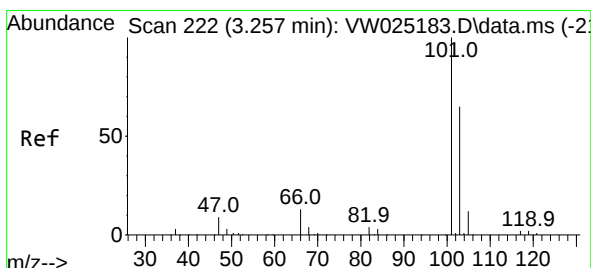
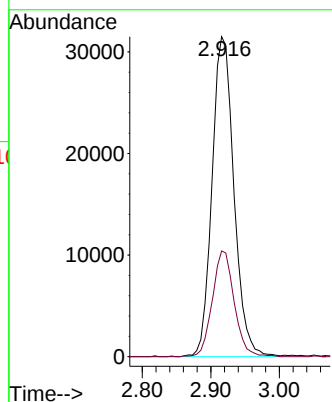
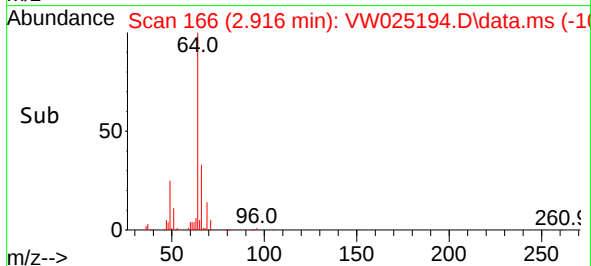


#8
Chloroethane
Concen: 17.959 ug/L
RT: 2.916 min Scan# 166
Delta R.T. -0.006 min
Lab File: VW025194.D
Acq: 23 Dec 2022 14:05

Instrument :
MSVOA_W
ClientSampleId :

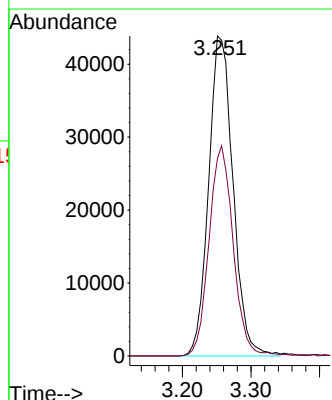
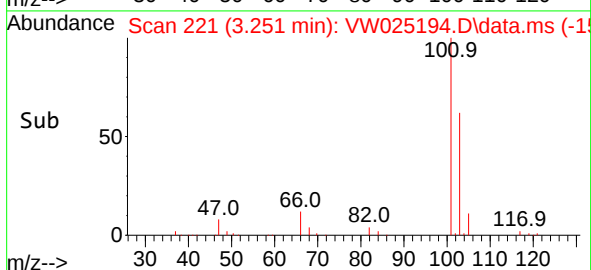
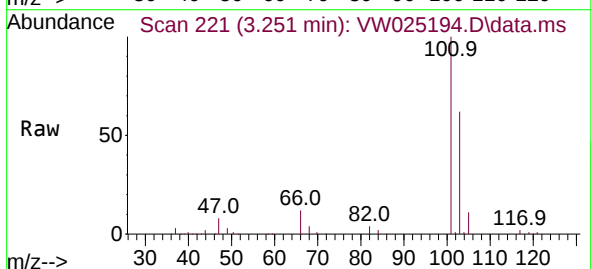


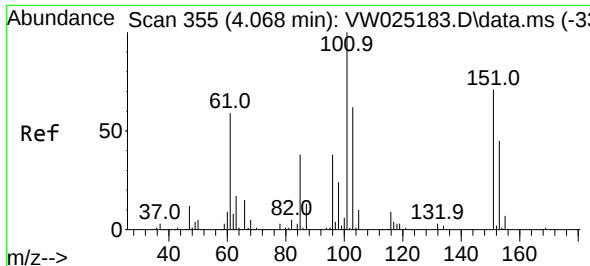
Tgt Ion: 64 Resp: 69772
Ion Ratio Lower Upper
64 100
66 33.0 22.7 42.1



#9
Trichlorofluoromethane
Concen: 17.253 ug/L
RT: 3.251 min Scan# 221
Delta R.T. -0.006 min
Lab File: VW025194.D
Acq: 23 Dec 2022 14:05

Tgt Ion: 101 Resp: 108606
Ion Ratio Lower Upper
101 100
103 64.4 50.9 76.3

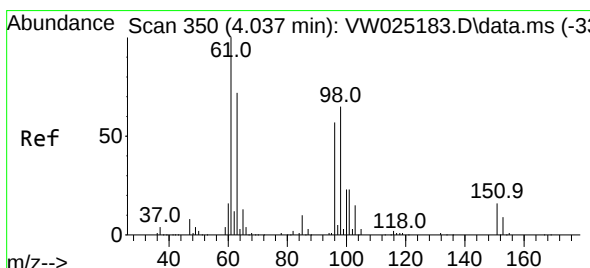
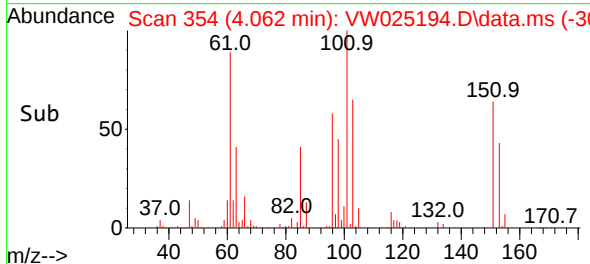
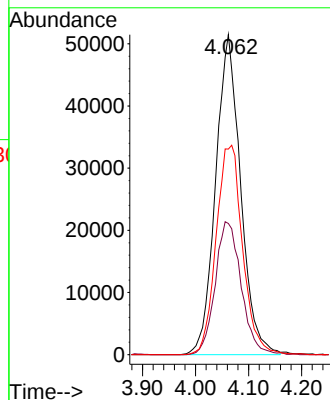
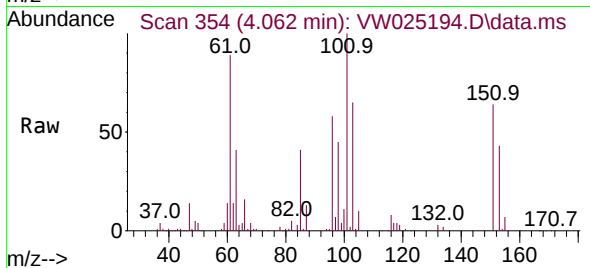




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 20.259 ug/L
 RT: 4.062 min Scan# 310
 Delta R.T. -0.006 min
 Lab File: VW025194.D
 Acq: 23 Dec 2022 14:05

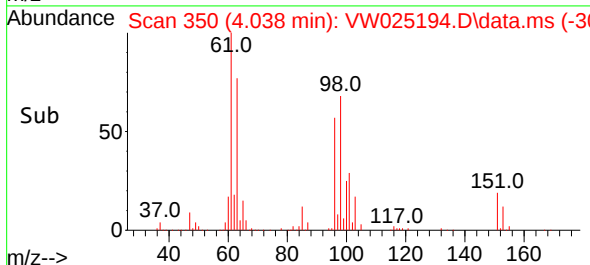
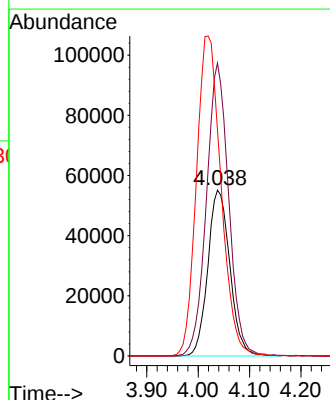
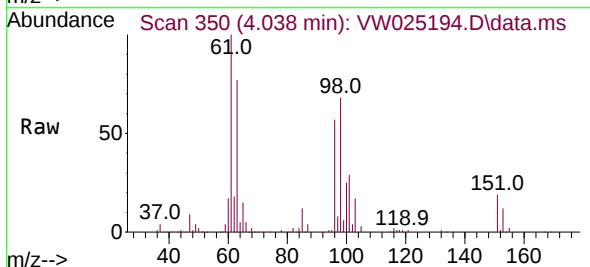
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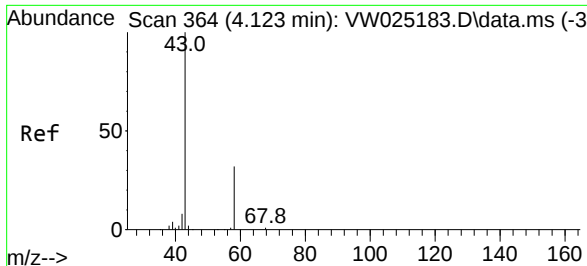
Tgt Ion:101 Resp: 168449
 Ion Ratio Lower Upper
 101 100
 85 43.0 34.6 52.0
 151 69.4 57.7 86.5



#12
 1,1-Dichloroethene
 Concen: 20.702 ug/L
 RT: 4.038 min Scan# 350
 Delta R.T. 0.000 min
 Lab File: VW025194.D
 Acq: 23 Dec 2022 14:05

Tgt Ion: 96 Resp: 164113
 Ion Ratio Lower Upper
 96 100
 61 176.8 120.8 224.4
 63 136.2 84.1 156.1





#13

Acetone

Concen: 63.931 ug/L

RT: 4.117 min Scan# 3

Delta R.T. -0.006 min

Lab File: VW025194.D

Acq: 23 Dec 2022 14:05

Instrument :

MSVOA_W

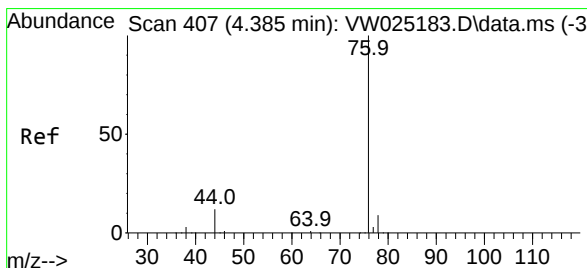
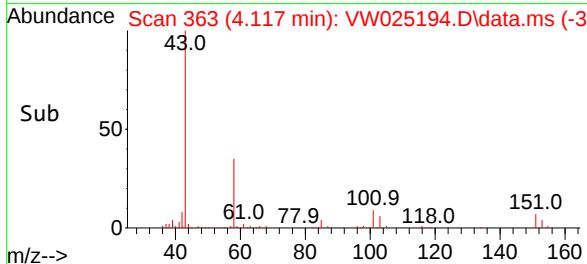
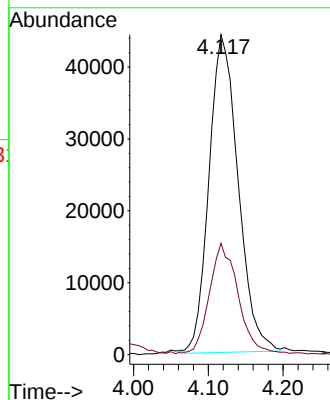
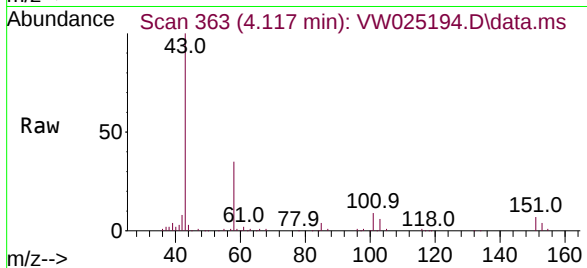
ClientSampleId :

Tgt Ion: 43 Resp: 119667

Ion Ratio Lower Upper

43 100

58 35.1 0.0 65.2



#14

Carbon disulfide

Concen: 17.834 ug/L

RT: 4.385 min Scan# 407

Delta R.T. 0.000 min

Lab File: VW025194.D

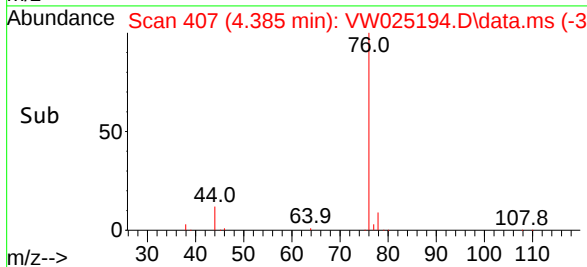
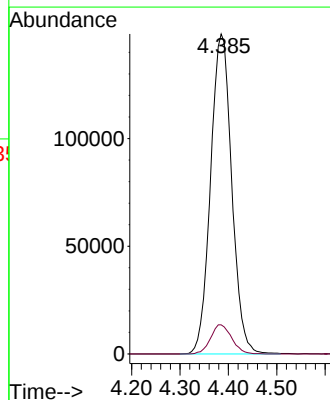
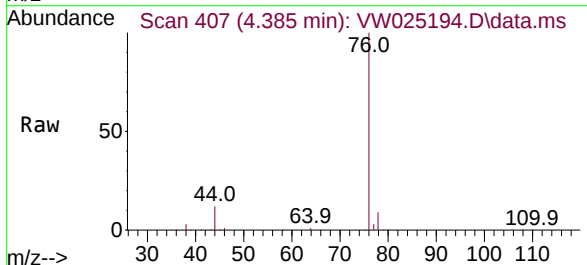
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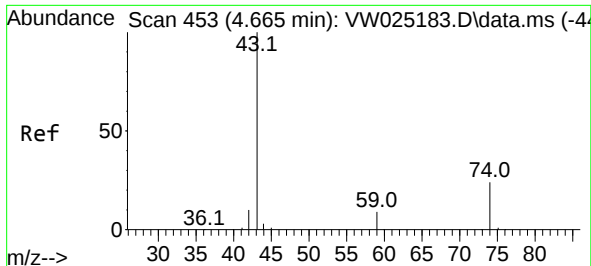
Tgt Ion: 76 Resp: 451330

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

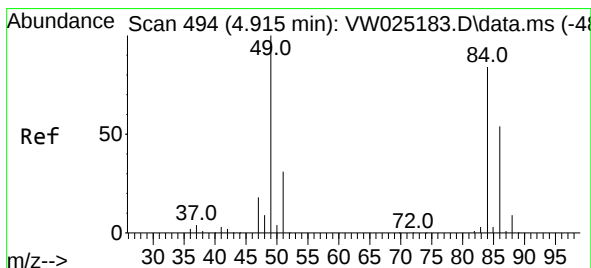
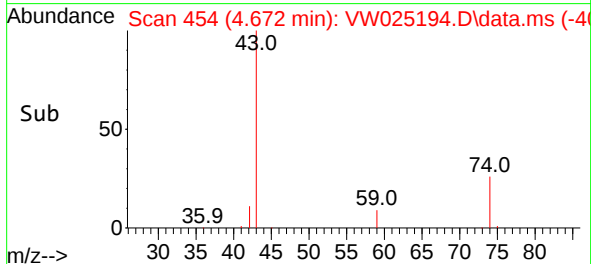
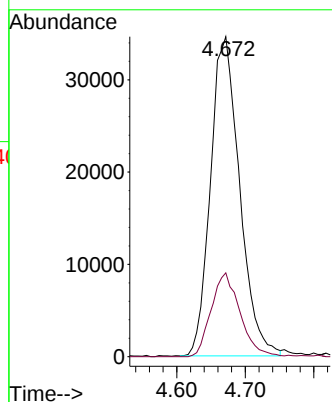
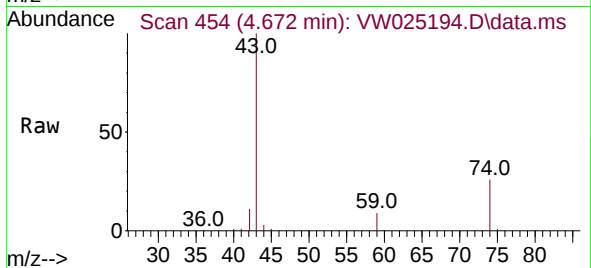




#15
Methyl Acetate
Concen: 33.438 ug/L
RT: 4.672 min Scan# 415
Delta R.T. 0.006 min
Lab File: VW025194.D
Acq: 23 Dec 2022 14:05

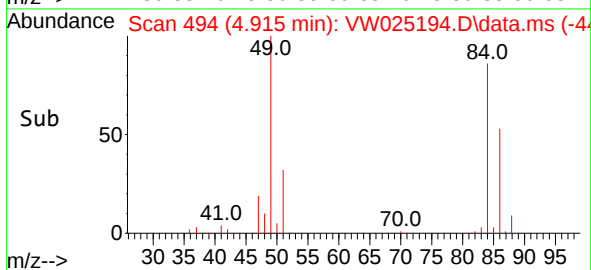
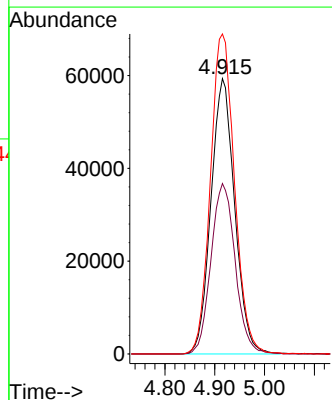
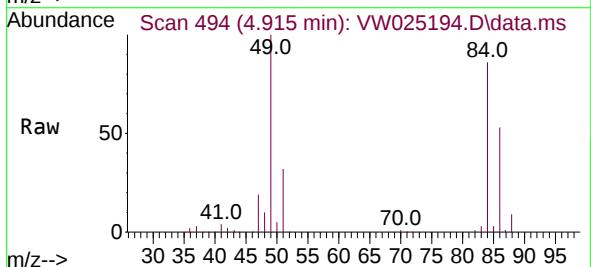
Instrument :
MSVOA_W
ClientSampleId :

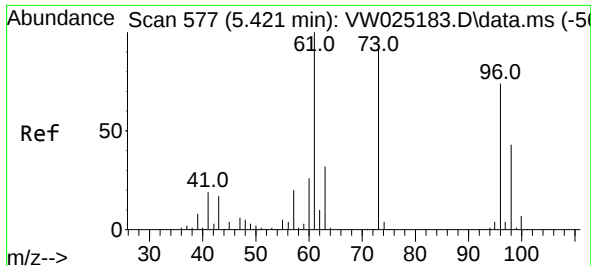
Tgt Ion: 43 Resp: 102159
Ion Ratio Lower Upper
43 100
74 25.9 19.5 29.3



#16
Methylene chloride
Concen: 19.950 ug/L
RT: 4.915 min Scan# 494
Delta R.T. 0.000 min
Lab File: VW025194.D
Acq: 23 Dec 2022 14:05

Tgt Ion: 84 Resp: 196190
Ion Ratio Lower Upper
84 100
86 61.9 45.0 83.6
49 116.2 86.3 160.3

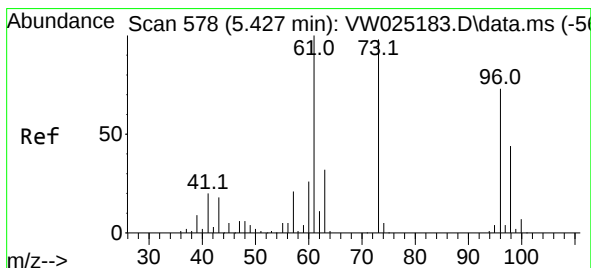
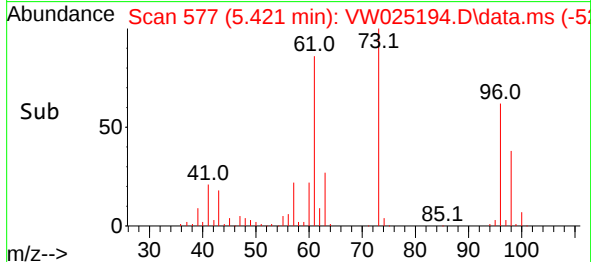
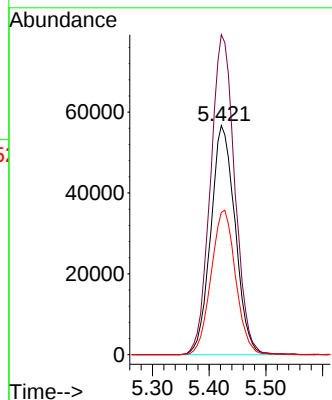
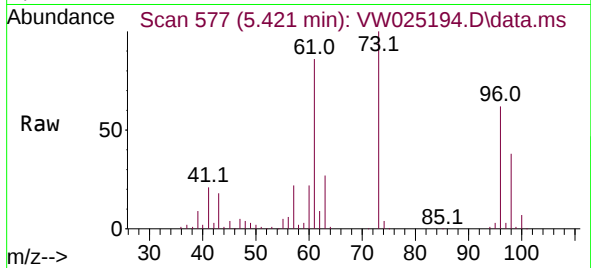




#17
trans-1,2-Dichloroethene
Concen: 20.159 ug/L
RT: 5.421 min Scan# 577
Delta R.T. 0.000 min
Lab File: VW025194.D
Acq: 23 Dec 2022 14:05

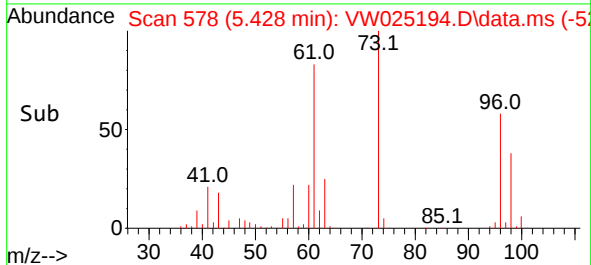
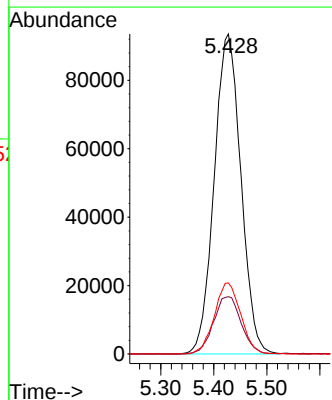
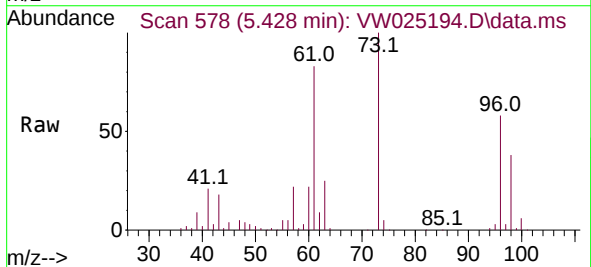
Instrument :
MSVOA_W
ClientSampleId :

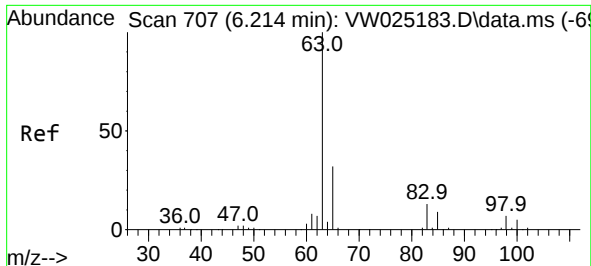
Tgt Ion: 96 Resp: 169411
Ion Ratio Lower Upper
96 100
61 139.7 95.5 177.3
98 62.1 44.0 81.8



#18
Methyl tert-butyl Ether
Concen: 26.210 ug/L
RT: 5.428 min Scan# 578
Delta R.T. 0.000 min
Lab File: VW025194.D
Acq: 23 Dec 2022 14:05

Tgt Ion: 73 Resp: 326832
Ion Ratio Lower Upper
73 100
43 18.6 15.6 23.4
57 21.9 17.5 26.3

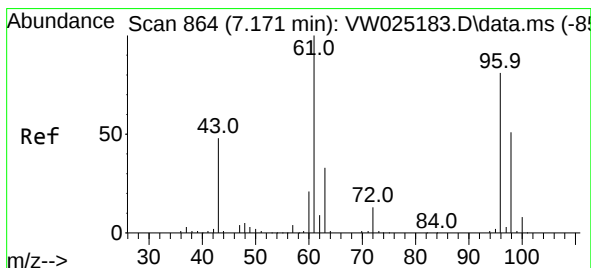
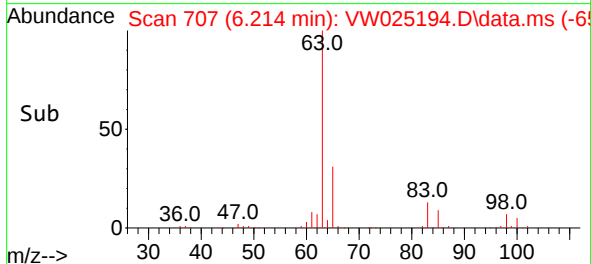
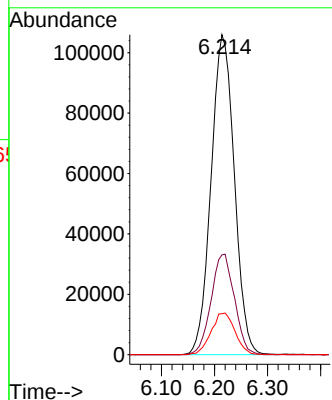
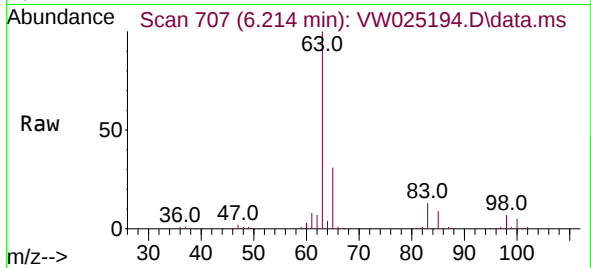




#19
1,1-Dichloroethane
Concen: 21.300 ug/L
RT: 6.214 min Scan# 707
Delta R.T. 0.000 min
Lab File: VW025194.D
Acq: 23 Dec 2022 14:05

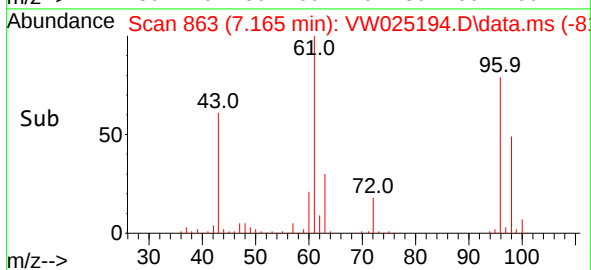
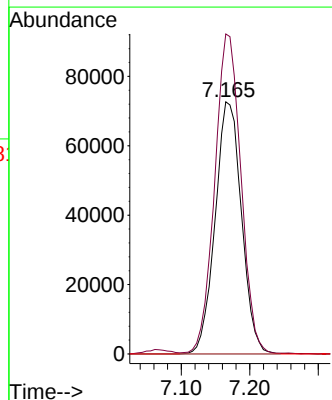
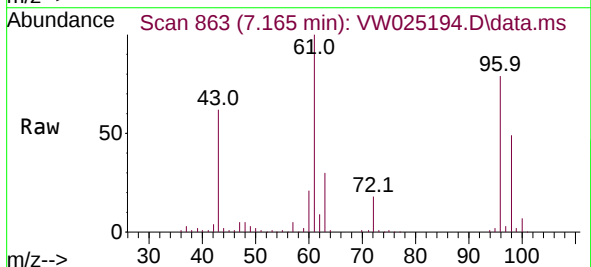
Instrument :
MSVOA_W
ClientSampleId :

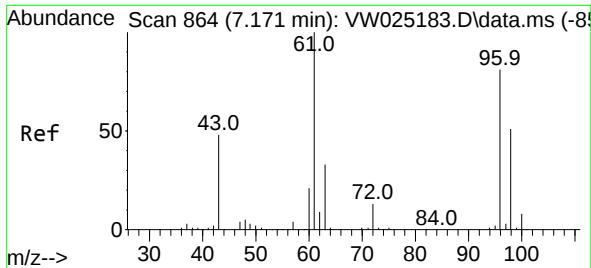
Tgt Ion: 63 Resp: 323434
Ion Ratio Lower Upper
63 100
65 31.2 22.2 41.2
83 12.8 9.4 17.6



#20
cis-1,2-Dichloroethene
Concen: 21.802 ug/L
RT: 7.165 min Scan# 863
Delta R.T. -0.006 min
Lab File: VW025194.D
Acq: 23 Dec 2022 14:05

Tgt Ion: 96 Resp: 193731
Ion Ratio Lower Upper
96 100
61 126.9 93.7 173.9
68 0.0 0.0 0.0

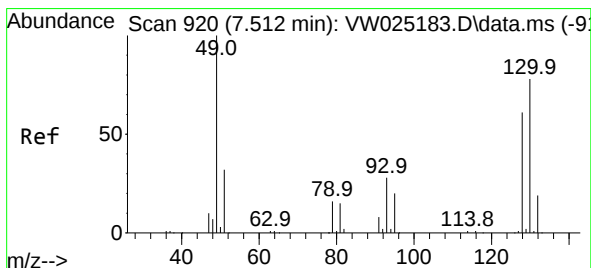
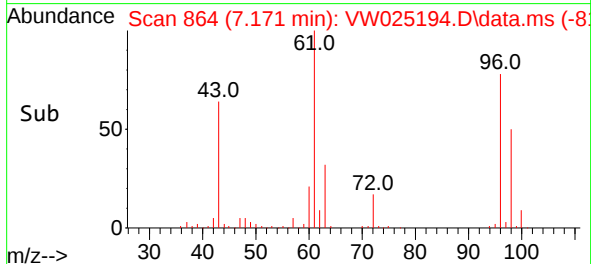
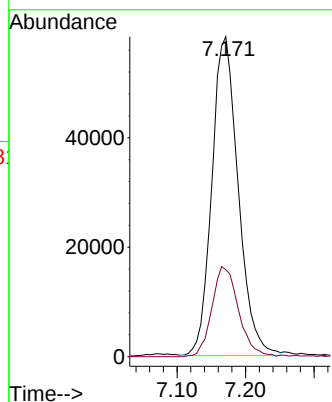
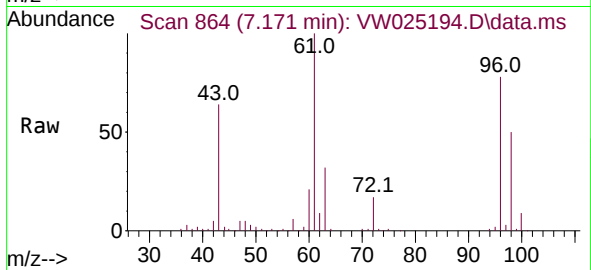




#22
2-Butanone
Concen: 66.114 ug/L
RT: 7.171 min Scan# 864
Delta R.T. 0.000 min
Lab File: VW025194.D
Acq: 23 Dec 2022 14:05

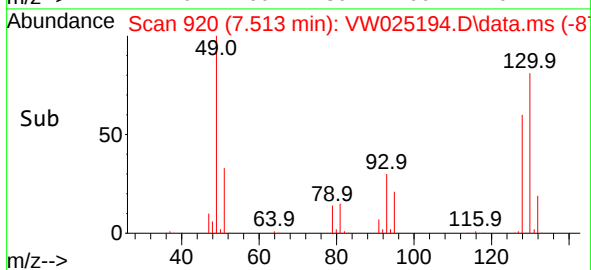
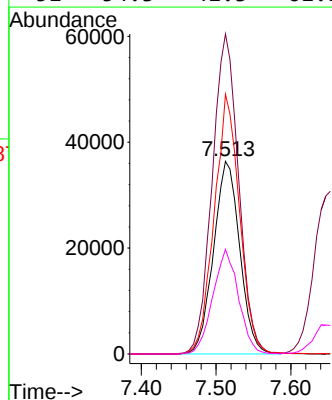
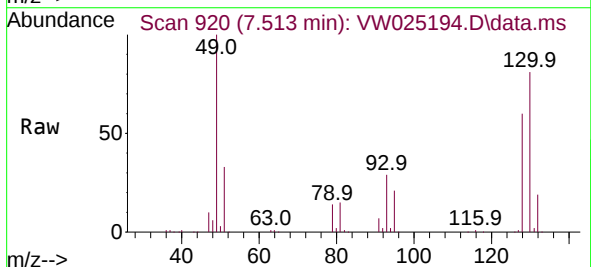
Instrument :
MSVOA_W
ClientSampleId :

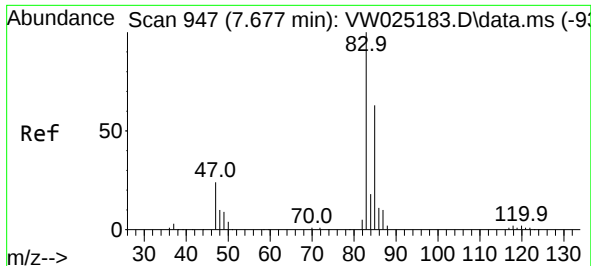
Tgt Ion: 43 Resp: 155692
Ion Ratio Lower Upper
43 100
72 28.4 15.0 45.0



#23
Bromochloromethane
Concen: 23.653 ug/L
RT: 7.513 min Scan# 920
Delta R.T. 0.000 min
Lab File: VW025194.D
Acq: 23 Dec 2022 14:05

Tgt Ion: 128 Resp: 88941
Ion Ratio Lower Upper
128 100
49 166.1 114.1 211.9
130 134.8 89.0 165.2
51 54.3 41.3 61.9





#25

Chloroform

Concen: 20.981 ug/L

RT: 7.671 min Scan# 94

Delta R.T. -0.006 min

Lab File: VW025194.D

Acq: 23 Dec 2022 14:05

Instrument :

MSVOA_W

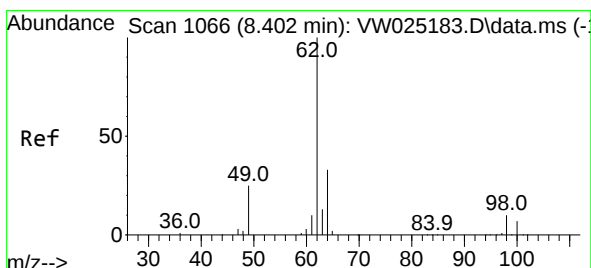
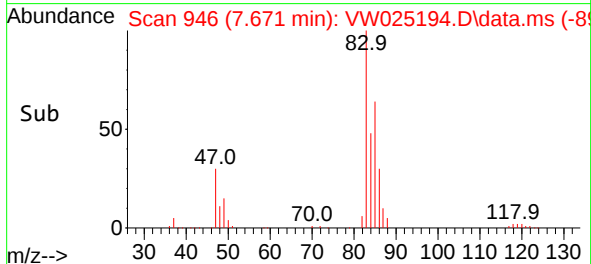
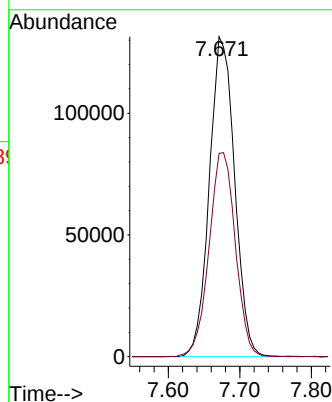
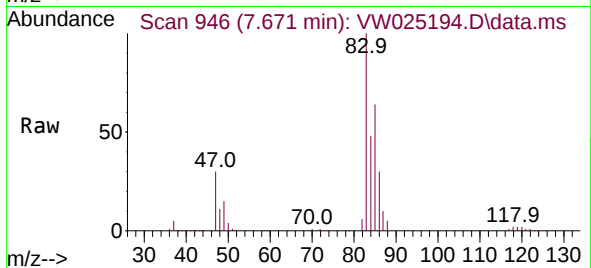
ClientSampleId :

Tgt Ion: 83 Resp: 322399

Ion Ratio Lower Upper

83 100

85 63.6 45.4 84.2



#27

1,2-Dichloroethane

Concen: 23.526 ug/L

RT: 8.397 min Scan# 1065

Delta R.T. -0.006 min

Lab File: VW025194.D

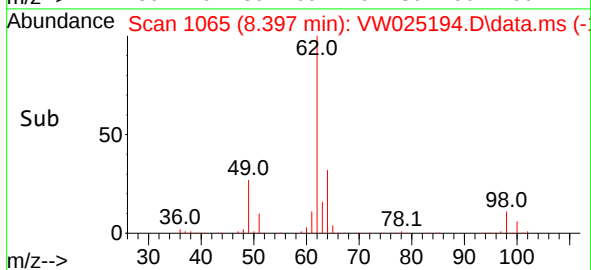
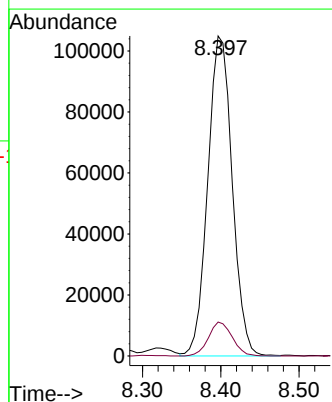
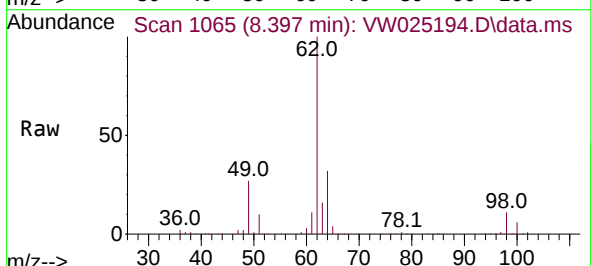
Acq: 23 Dec 2022 14:05

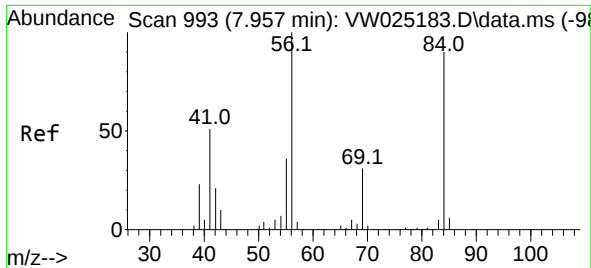
Tgt Ion: 62 Resp: 227610

Ion Ratio Lower Upper

62 100

98 10.6 7.8 11.8





#29

Cyclohexane

Concen: 22.003 ug/L

RT: 7.958 min Scan# 993

Delta R.T. 0.000 min

Lab File: VW025194.D

Acq: 23 Dec 2022 14:05

Instrument :

MSVOA_W

ClientSampleId :

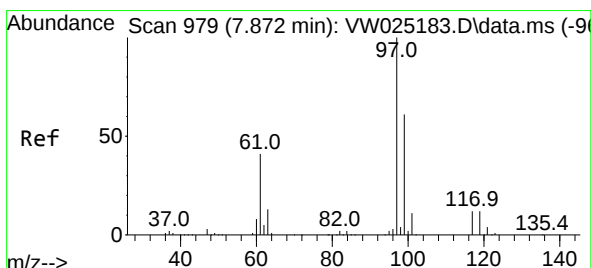
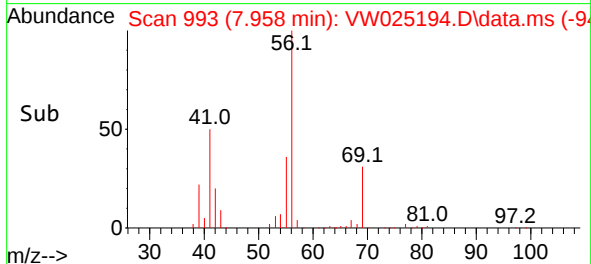
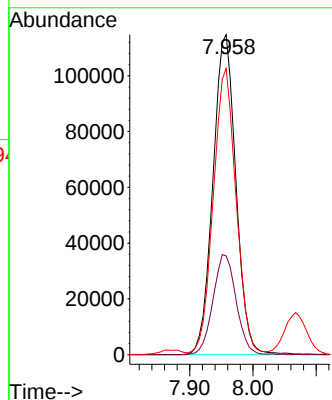
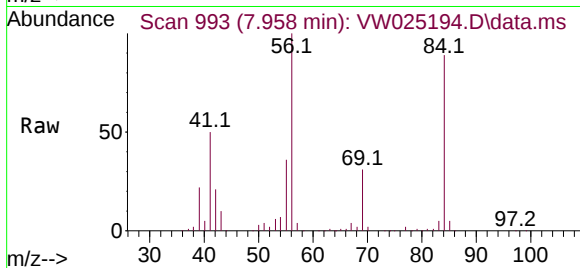
Tgt Ion: 56 Resp: 288642

Ion Ratio Lower Upper

56 100

69 31.5 25.0 37.6

84 88.9 70.9 106.3



#30

1,1,1-Trichloroethane

Concen: 21.376 ug/L

RT: 7.872 min Scan# 979

Delta R.T. 0.000 min

Lab File: VW025194.D

Acq: 23 Dec 2022 14:05

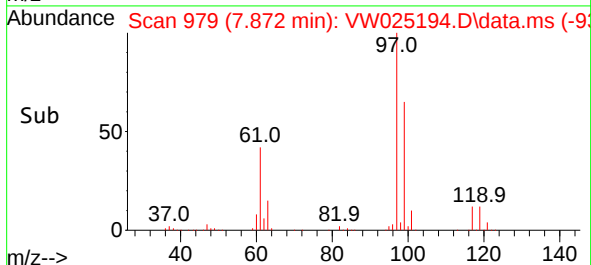
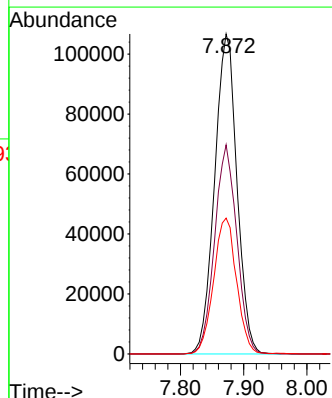
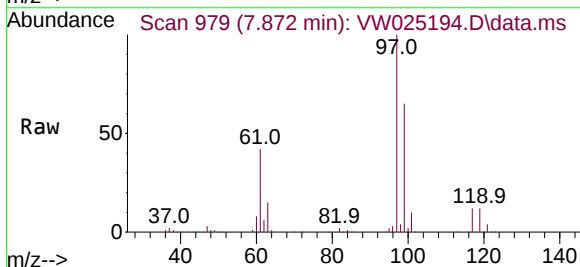
Tgt Ion: 97 Resp: 261406

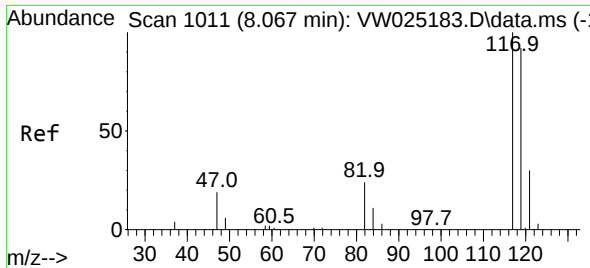
Ion Ratio Lower Upper

97 100

99 65.0 50.9 76.3

61 43.6 35.5 53.3

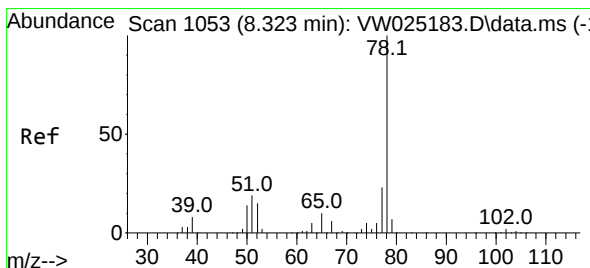
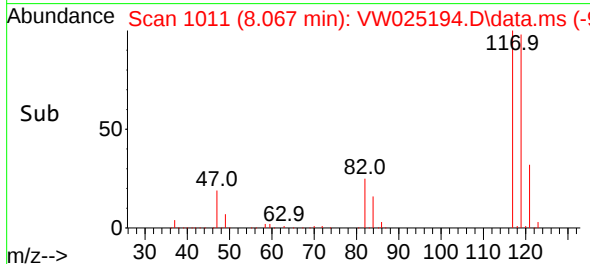
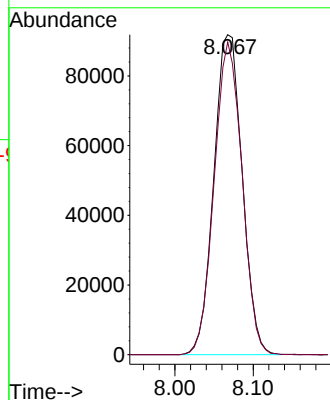
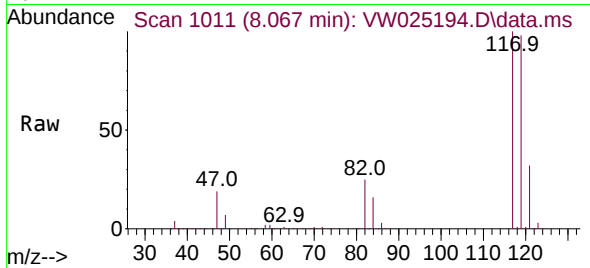




#31
Carbon tetrachloride
Concen: 20.623 ug/L
RT: 8.067 min Scan# 1011
Delta R.T. 0.000 min
Lab File: VW025194.D
Acq: 23 Dec 2022 14:05

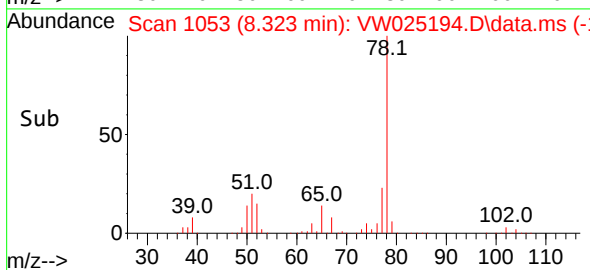
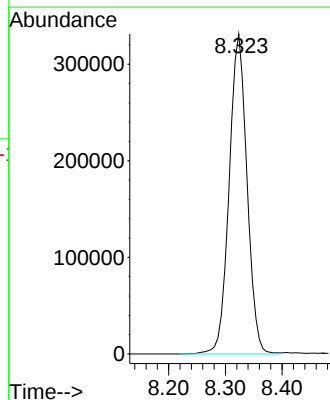
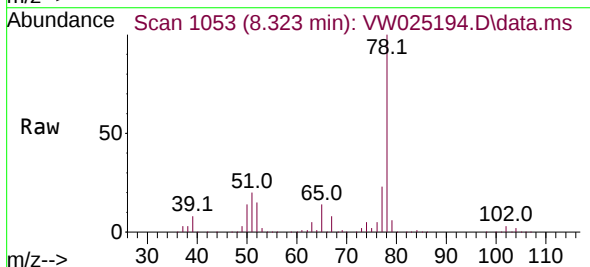
Instrument :
MSVOA_W
ClientSampleId :

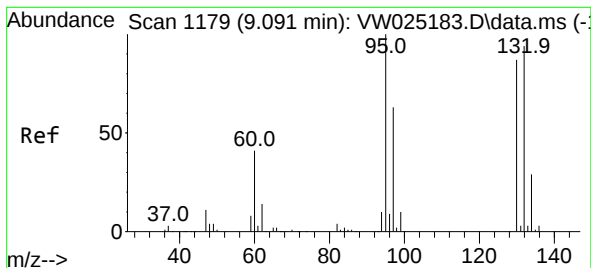
Tgt Ion:117 Resp: 231900
Ion Ratio Lower Upper
117 100
119 95.6 77.0 115.4



#33
Benzene
Concen: 22.531 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW025194.D
Acq: 23 Dec 2022 14:05

Tgt Ion: 78 Resp: 723071





#34

Trichloroethene

Concen: 21.315 ug/L

RT: 9.092 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VW025194.D

Acq: 23 Dec 2022 14:05

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 95 Resp: 179179

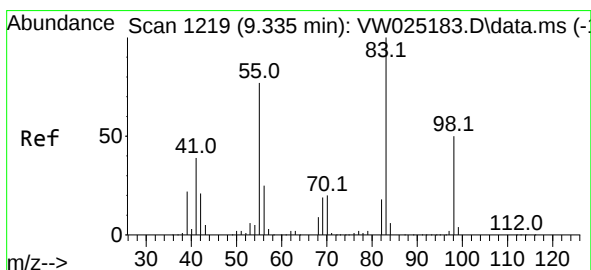
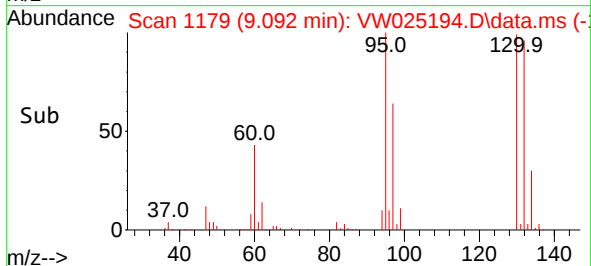
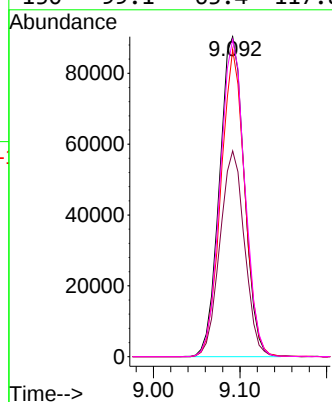
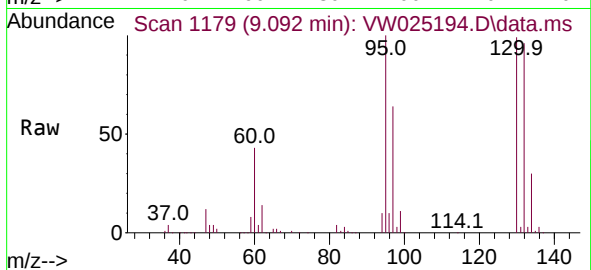
Ion Ratio Lower Upper

95 100

97 64.3 44.3 82.3

132 96.0 63.0 117.0

130 99.1 63.4 117.8



#35

Methylcyclohexane

Concen: 18.814 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VW025194.D

Acq: 23 Dec 2022 14:05

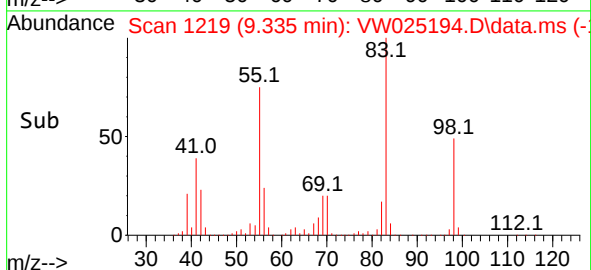
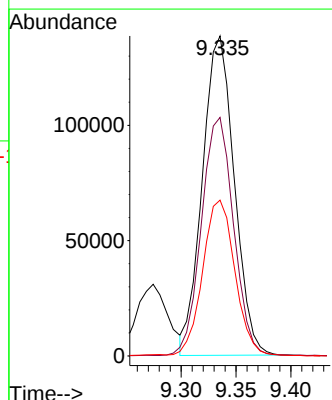
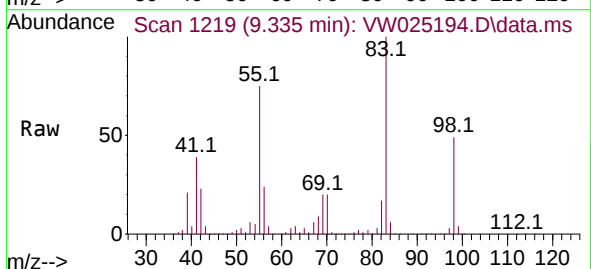
Tgt Ion: 83 Resp: 280529

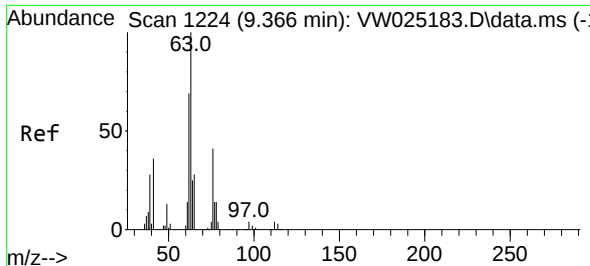
Ion Ratio Lower Upper

83 100

55 75.6 59.3 88.9

98 49.5 38.6 57.8





#37

1,2-Dichloropropane

Concen: 24.011 ug/L

RT: 9.366 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW025194.D

Acq: 23 Dec 2022 14:05

Instrument :

MSVOA_W

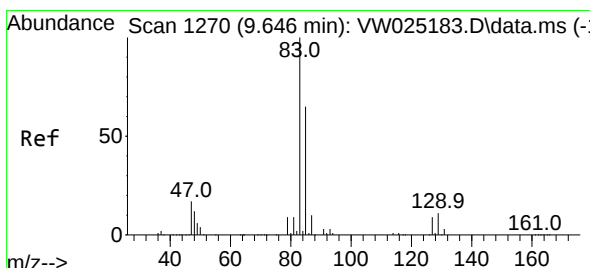
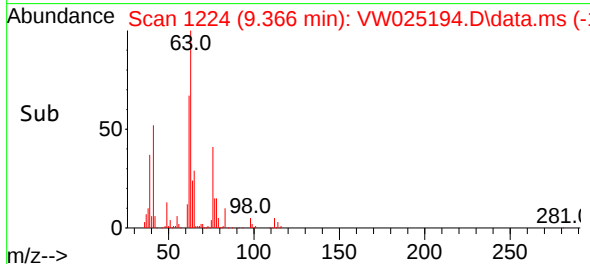
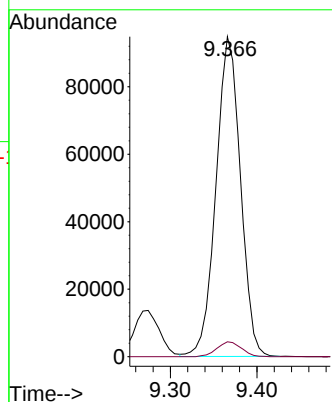
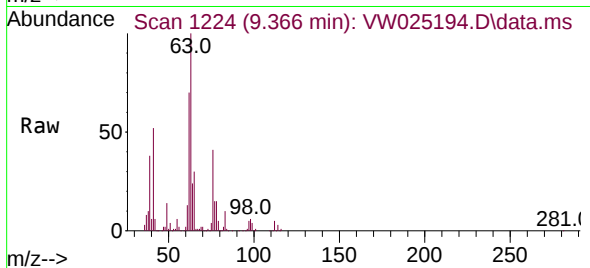
ClientSampleId :

Tgt Ion: 63 Resp: 185855

Ion Ratio Lower Upper

63 100

112 4.7 3.4 5.2



#38

Bromodichloromethane

Concen: 23.526 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. 0.000 min

Lab File: VW025194.D

Acq: 23 Dec 2022 14:05

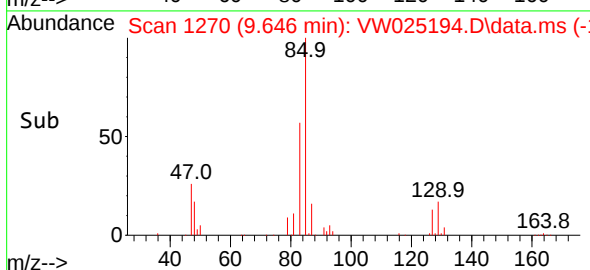
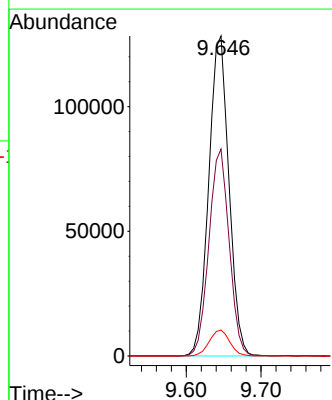
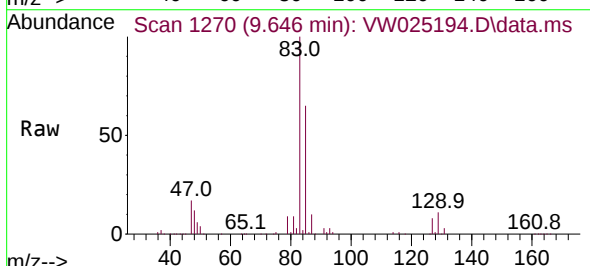
Tgt Ion: 83 Resp: 240563

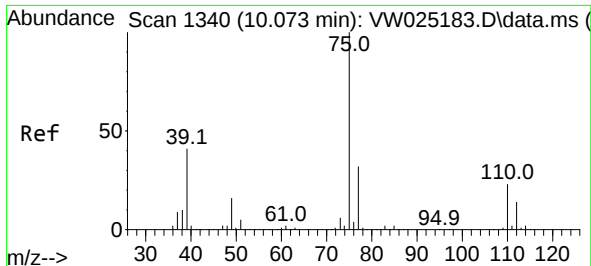
Ion Ratio Lower Upper

83 100

85 64.7 44.2 82.2

127 8.1 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 25.013 ug/L

RT: 10.073 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW025194.D

Acq: 23 Dec 2022 14:05

Instrument :

MSVOA_W

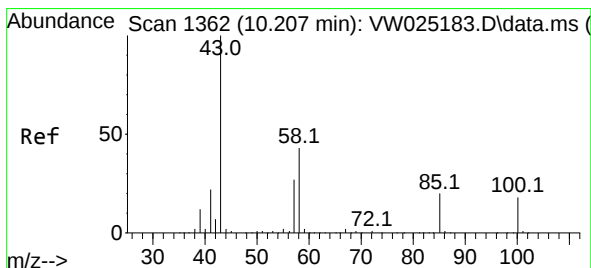
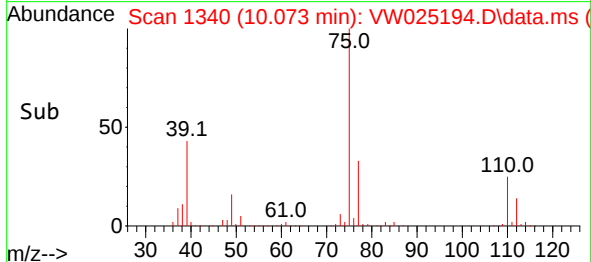
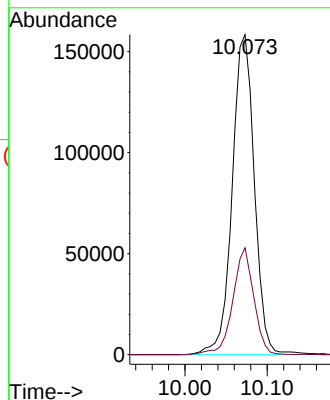
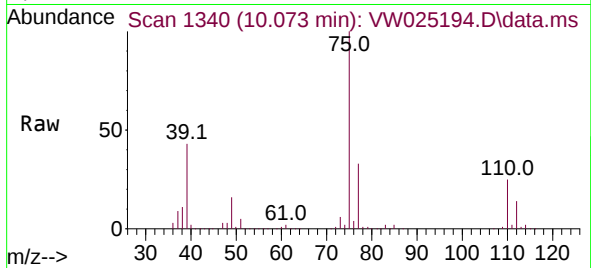
ClientSampleId :

Tgt Ion: 75 Resp: 295825

Ion Ratio Lower Upper

75 100

77 33.4 23.2 43.0



#40

4-Methyl-2-pentanone

Concen: 84.155 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. 0.000 min

Lab File: VW025194.D

Acq: 23 Dec 2022 14:05

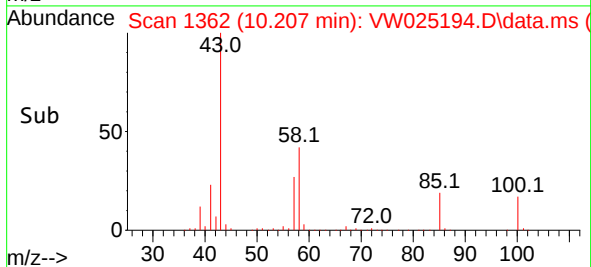
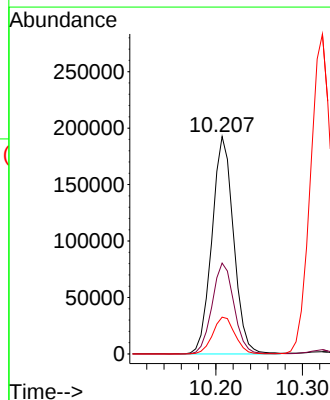
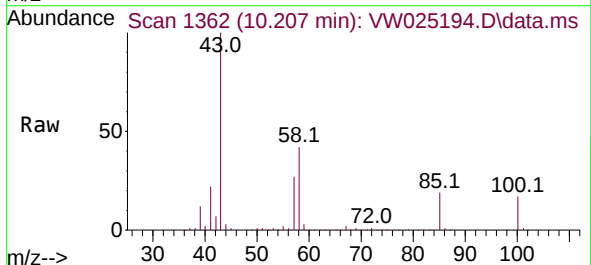
Tgt Ion: 43 Resp: 333919

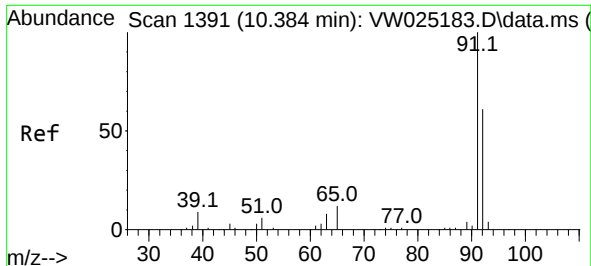
Ion Ratio Lower Upper

43 100

58 42.3 33.3 49.9

100 17.4 13.8 20.6





#42

Toluene

Concen: 21.760 ug/L

RT: 10.384 min Scan# 1391

Delta R.T. 0.000 min

Lab File: VW025194.D

Acq: 23 Dec 2022 14:05

Instrument :

MSVOA_W

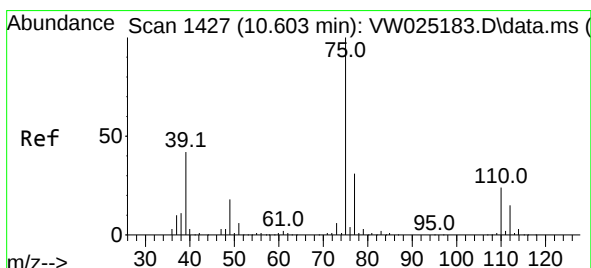
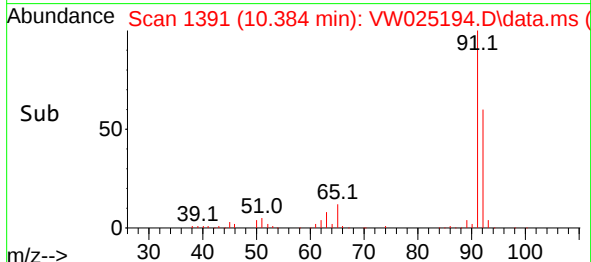
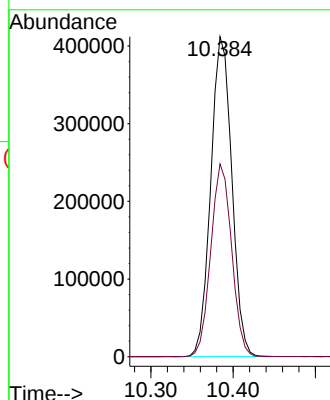
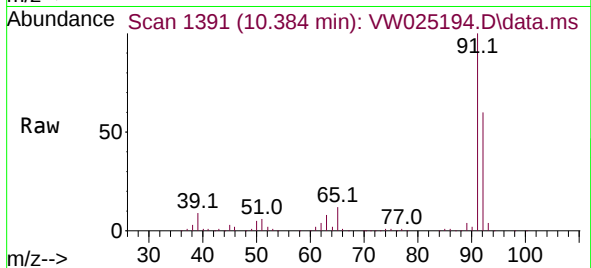
ClientSampleId :

Tgt Ion: 91 Resp: 731672

Ion Ratio Lower Upper

91 100

92 60.2 41.2 76.4



#44

trans-1,3-Dichloropropene

Concen: 25.357 ug/L

RT: 10.603 min Scan# 1427

Delta R.T. 0.000 min

Lab File: VW025194.D

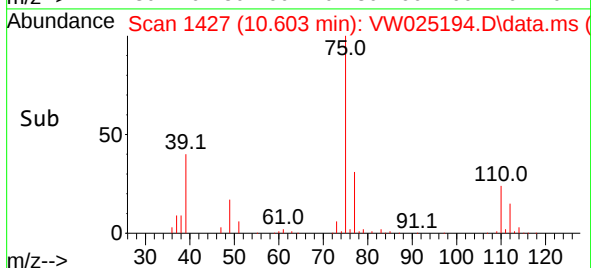
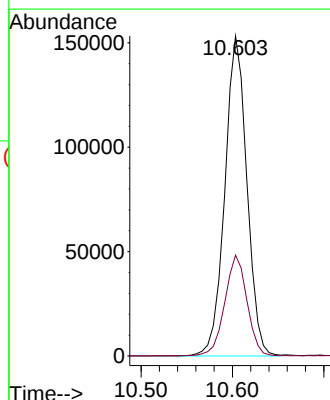
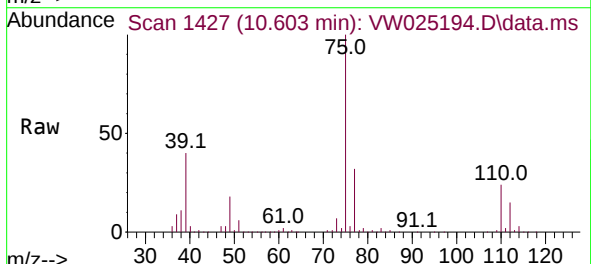
Acq: 23 Dec 2022 14:05

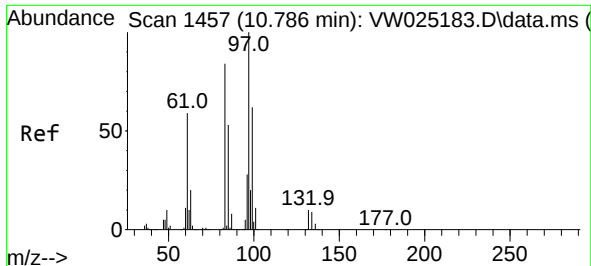
Tgt Ion: 75 Resp: 256832

Ion Ratio Lower Upper

75 100

77 31.5 22.5 41.7





#45

1,1,2-Trichloroethane

Concen: 27.580 ug/L

RT: 10.786 min Scan# 1457

Delta R.T. 0.000 min

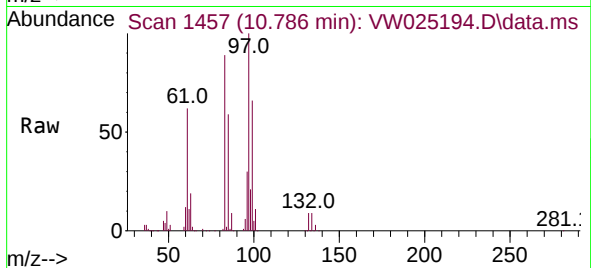
Lab File: VW025194.D

Acq: 23 Dec 2022 14:05

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 97 Resp: 152347

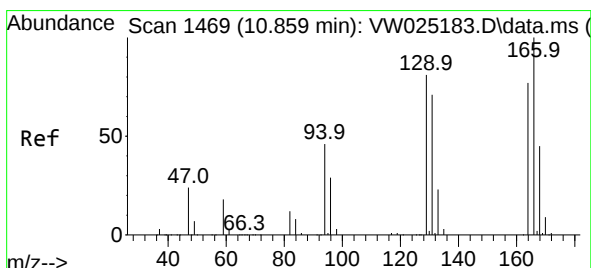
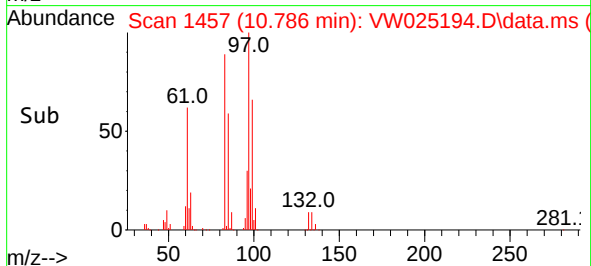
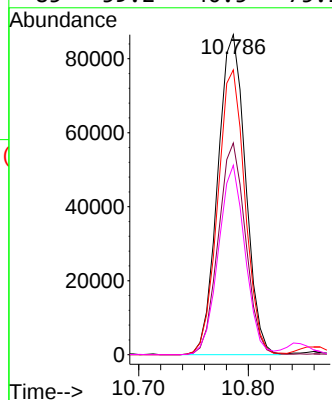
Ion Ratio Lower Upper

97 100

99 66.1 44.3 82.3

83 89.0 61.3 113.9

85 59.2 40.5 75.1



#46

Tetrachloroethene

Concen: 20.742 ug/L

RT: 10.860 min Scan# 1469

Delta R.T. 0.000 min

Lab File: VW025194.D

Acq: 23 Dec 2022 14:05

Tgt Ion: 164 Resp: 126931

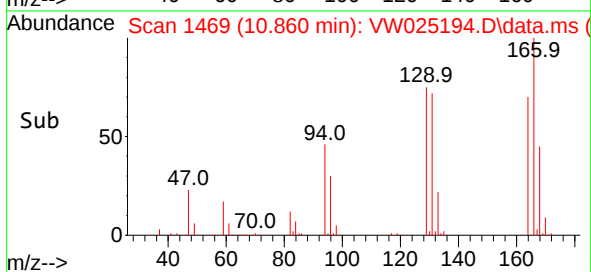
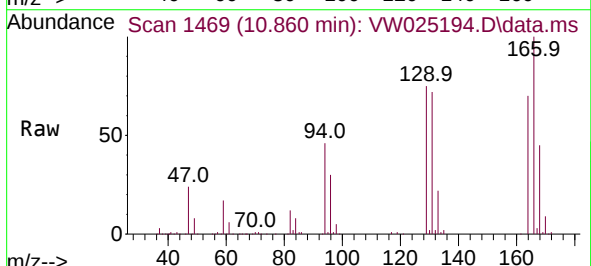
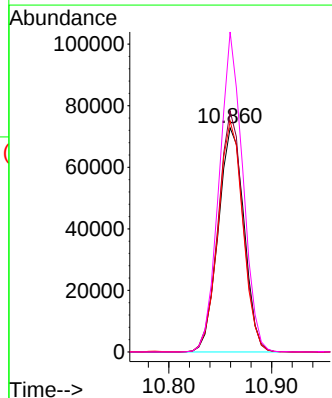
Ion Ratio Lower Upper

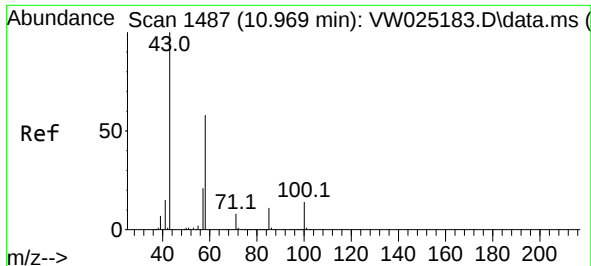
164 100

129 107.5 73.4 136.4

131 103.0 70.8 131.4

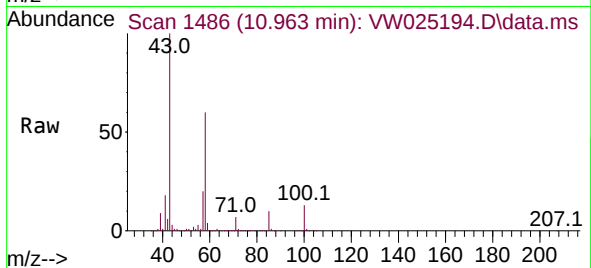
166 142.8 88.3 164.1



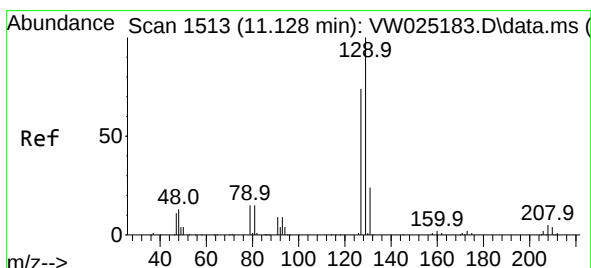
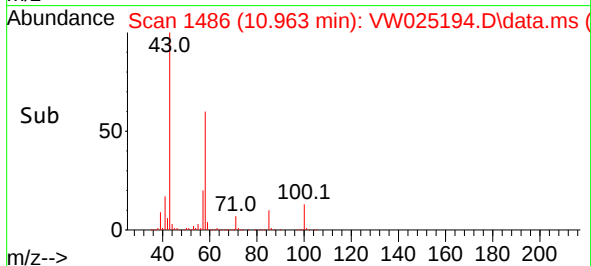
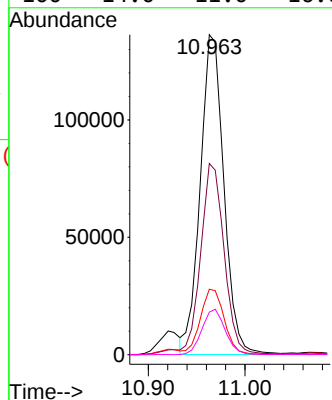


#48
2-Hexanone
Concen: 80.211 ug/L
RT: 10.963 min Scan# 1486
Delta R.T. -0.006 min
Lab File: VW025194.D
Acq: 23 Dec 2022 14:05

Instrument :
MSVOA_W
ClientSampleId :

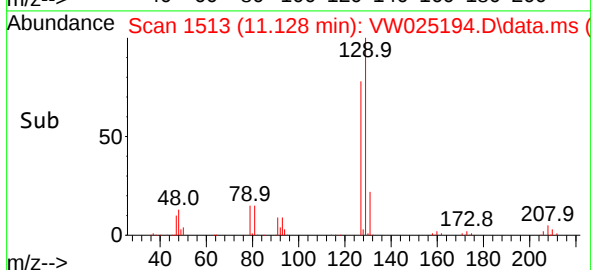
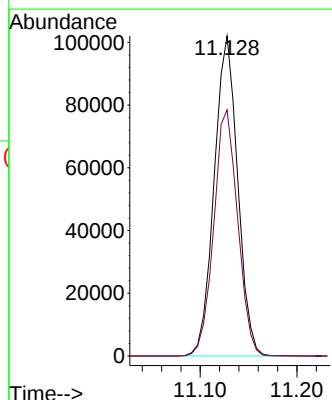
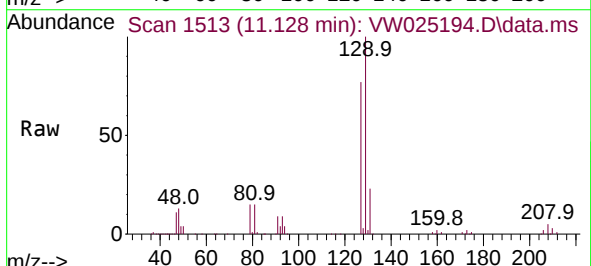


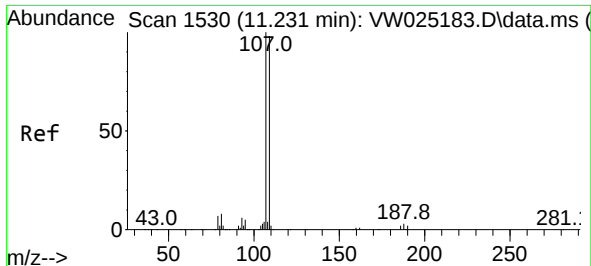
Tgt Ion: 43 Resp: 232471
Ion Ratio Lower Upper
43 100
58 59.0 46.6 69.8
57 20.8 16.7 25.1
100 14.0 11.0 16.6



#49
Dibromochloromethane
Concen: 25.943 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VW025194.D
Acq: 23 Dec 2022 14:05

Tgt Ion: 129 Resp: 172102
Ion Ratio Lower Upper
129 100
127 76.9 49.7 92.3





#50

1,2-Dibromoethane

Concen: 29.141 ug/L

RT: 11.231 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW025194.D

Acq: 23 Dec 2022 14:05

Instrument :

MSVOA_W

ClientSampleId :

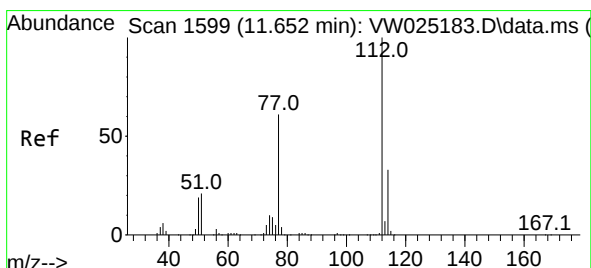
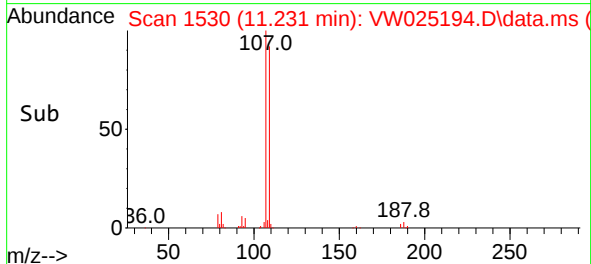
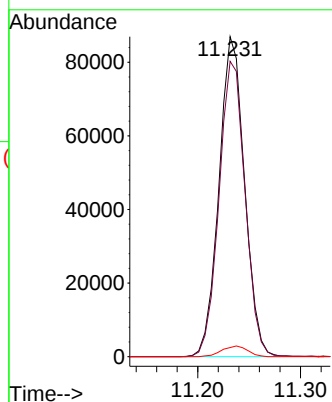
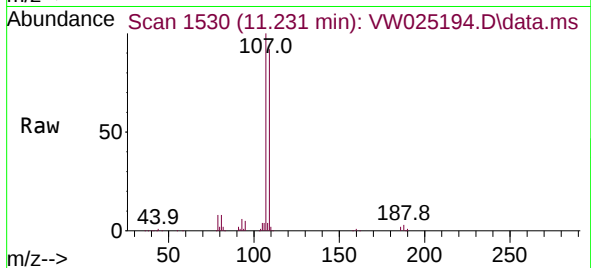
Tgt Ion:107 Resp: 149871

Ion Ratio Lower Upper

107 100

109 92.3 66.8 124.2

188 2.8 2.9 4.3#



#51

Chlorobenzene

Concen: 20.150 ug/L

RT: 11.658 min Scan# 1600

Delta R.T. 0.006 min

Lab File: VW025194.D

Acq: 23 Dec 2022 14:05

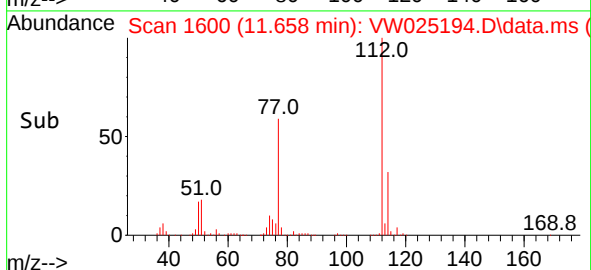
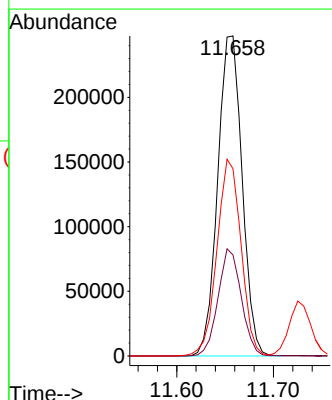
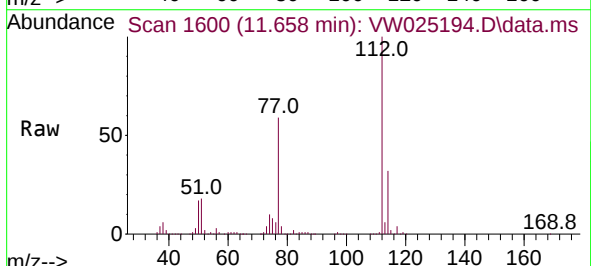
Tgt Ion:112 Resp: 433614

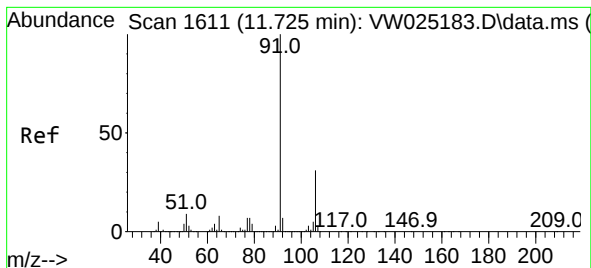
Ion Ratio Lower Upper

112 100

114 31.5 23.2 43.2

77 58.5 47.2 70.8

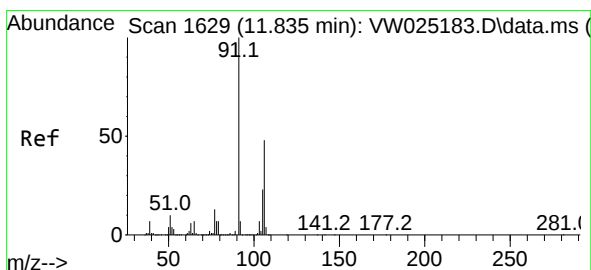
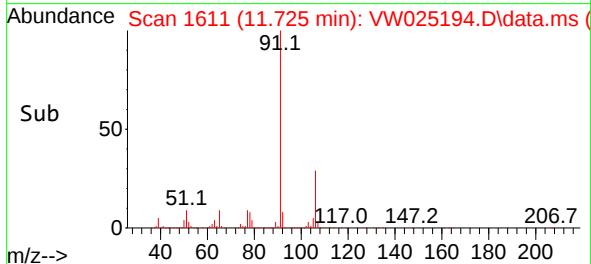
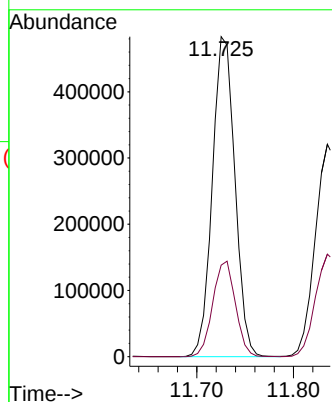
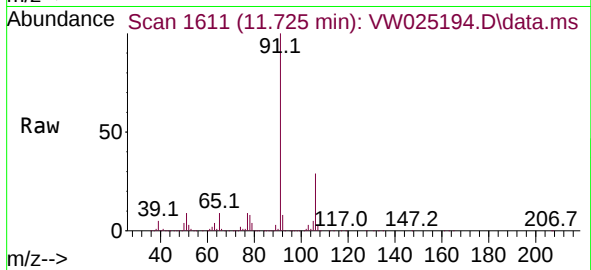




#52
Ethylbenzene
Concen: 20.585 ug/L
RT: 11.725 min Scan# 1611
Delta R.T. 0.000 min
Lab File: VW025194.D
Acq: 23 Dec 2022 14:05

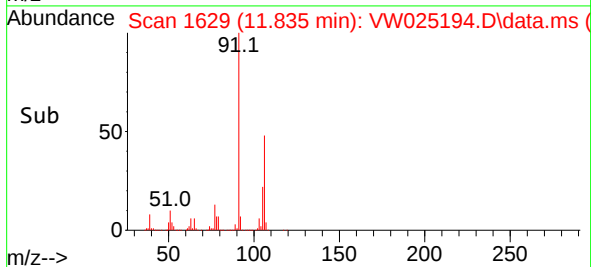
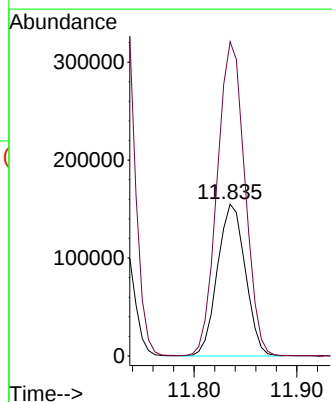
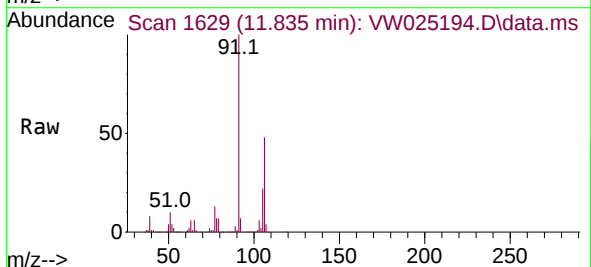
Instrument :
MSVOA_W
ClientSampleId :

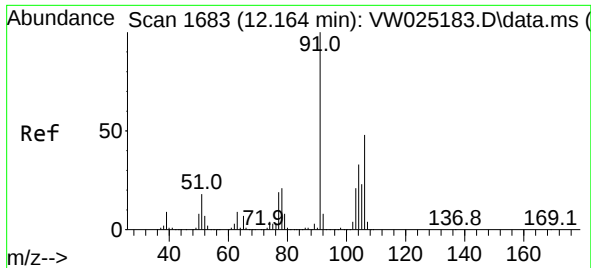
Tgt Ion: 91 Resp: 784396
Ion Ratio Lower Upper
91 100
106 28.6 21.9 40.7



#53
m,p-Xylene
Concen: 20.048 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VW025194.D
Acq: 23 Dec 2022 14:05

Tgt Ion: 106 Resp: 291738
Ion Ratio Lower Upper
106 100
91 207.0 139.7 259.4

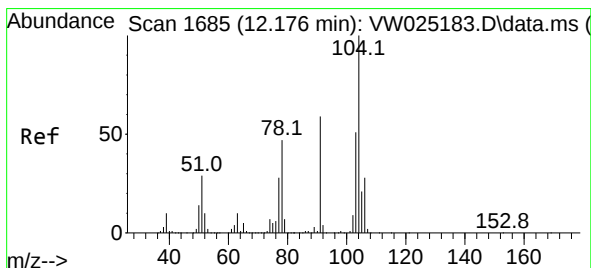
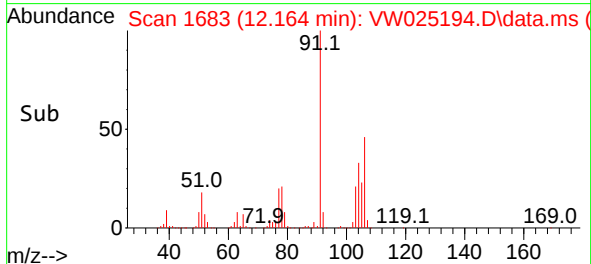
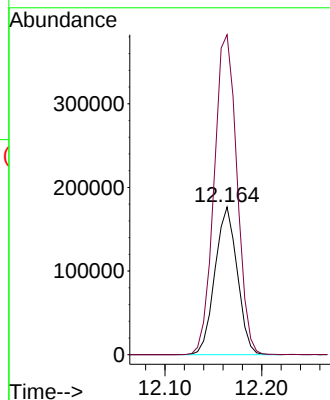
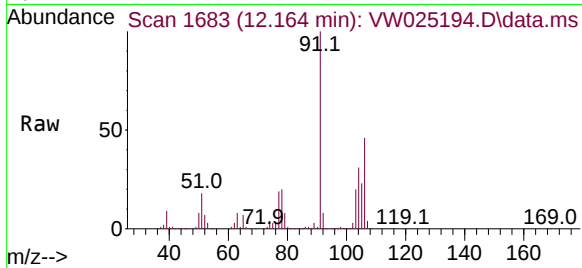




#54
o-Xylene
Concen: 20.388 ug/L
RT: 12.164 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW025194.D
Acq: 23 Dec 2022 14:05

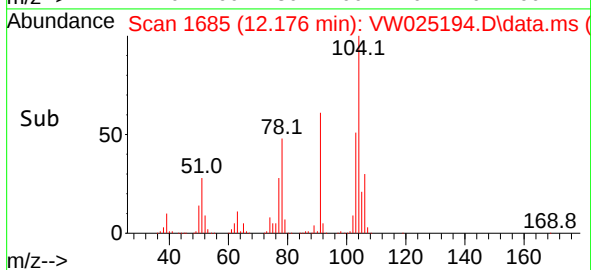
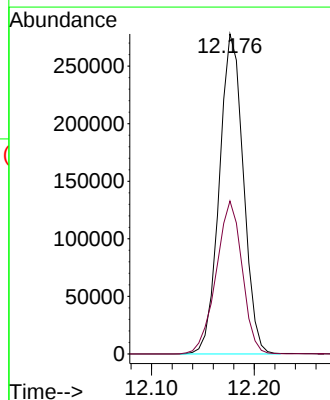
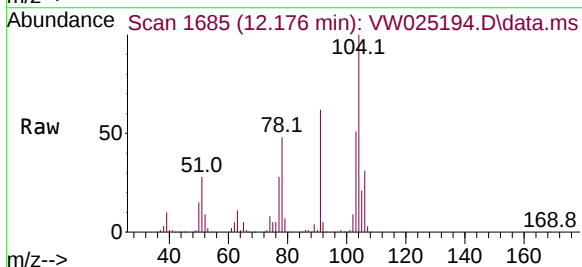
Instrument :
MSVOA_W
ClientSampleId :

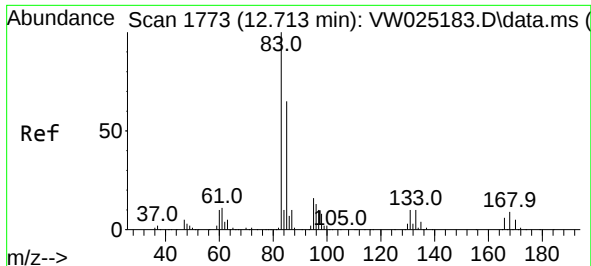
Tgt Ion:106 Resp: 282760
Ion Ratio Lower Upper
106 100
91 216.8 148.8 276.4



#55
Styrene
Concen: 19.212 ug/L
RT: 12.176 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VW025194.D
Acq: 23 Dec 2022 14:05

Tgt Ion:104 Resp: 451222
Ion Ratio Lower Upper
104 100
78 47.8 34.4 63.8





#57

1,1,2,2-Tetrachloroethane

Concen: 31.300 ug/L

RT: 12.713 min Scan# 1773

Delta R.T. 0.000 min

Lab File: VW025194.D

Acq: 23 Dec 2022 14:05

Instrument :

MSVOA_W

ClientSampleId :

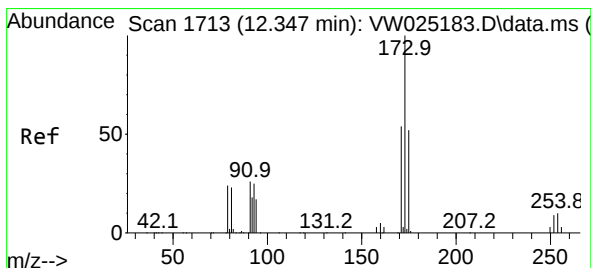
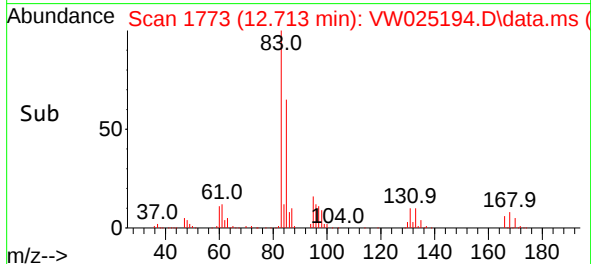
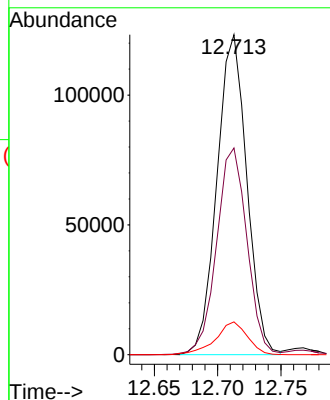
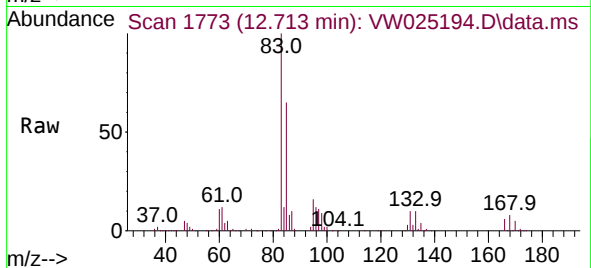
Tgt Ion: 83 Resp: 202192

Ion Ratio Lower Upper

83 100

85 64.6 46.8 87.0

131 10.2 8.2 12.2



#59

Bromoform

Concen: 34.424 ug/L

RT: 12.347 min Scan# 1713

Delta R.T. 0.000 min

Lab File: VW025194.D

Acq: 23 Dec 2022 14:05

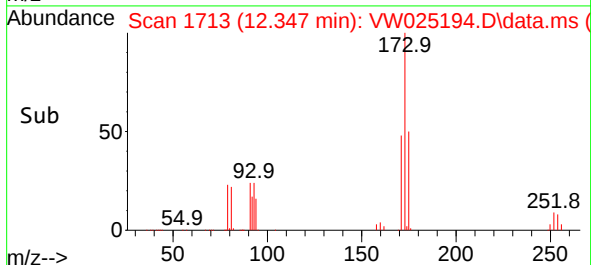
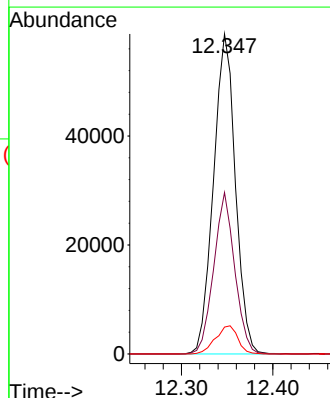
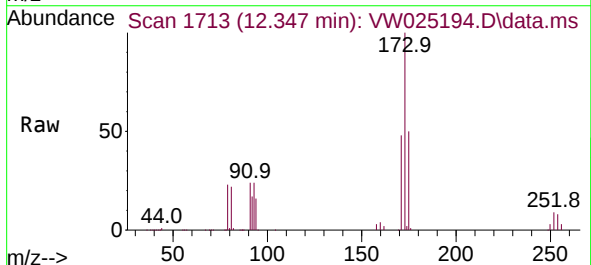
Tgt Ion: 173 Resp: 97675

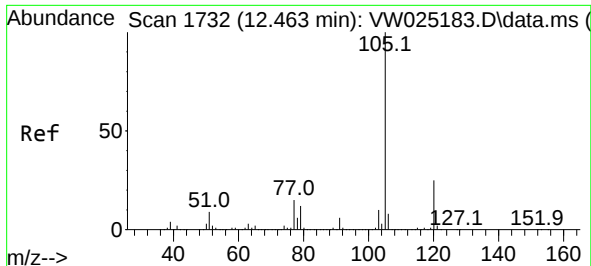
Ion Ratio Lower Upper

173 100

175 48.4 37.4 56.0

254 9.0 6.8 10.2

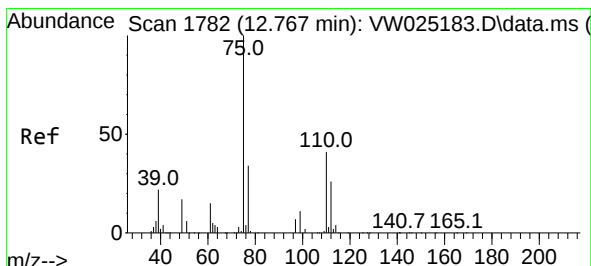
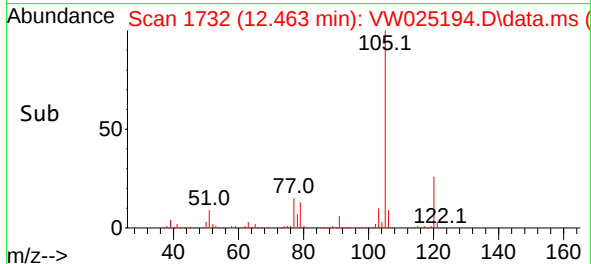
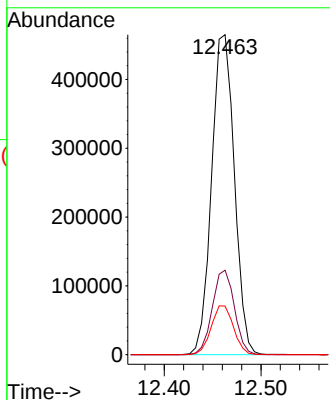
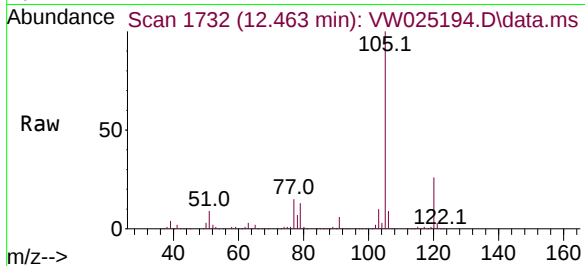




#60
Isopropylbenzene
Concen: 24.013 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW025194.D
Acq: 23 Dec 2022 14:05

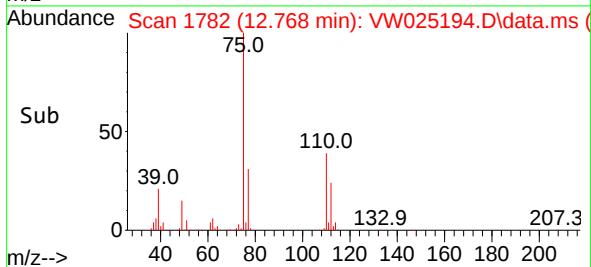
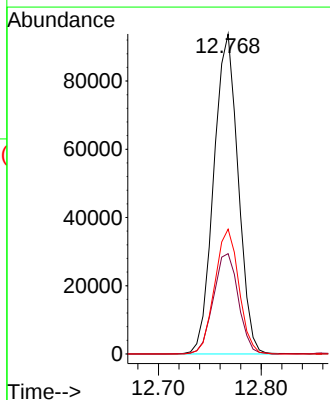
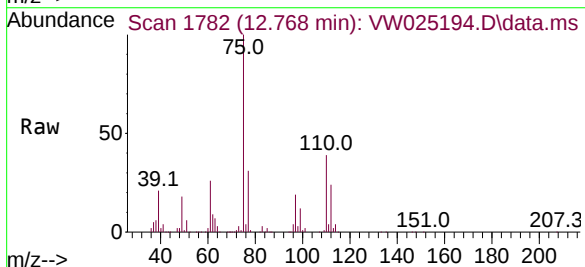
Instrument :
MSVOA_W
ClientSampleId :

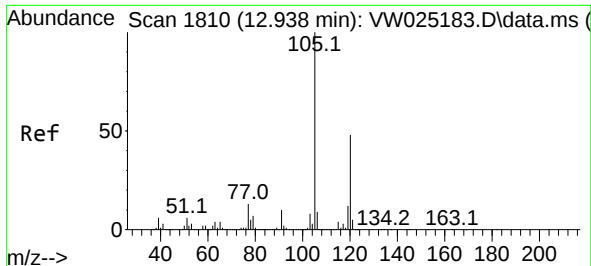
Tgt Ion:105 Resp: 760520
Ion Ratio Lower Upper
105 100
120 25.6 20.6 31.0
77 15.1 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 38.870 ug/L
RT: 12.768 min Scan# 1782
Delta R.T. 0.000 min
Lab File: VW025194.D
Acq: 23 Dec 2022 14:05

Tgt Ion: 75 Resp: 154370
Ion Ratio Lower Upper
75 100
77 32.1 26.6 40.0
110 38.6 31.7 47.5





#62

1,3,5-Trimethylbenzene

Concen: 22.936 ug/L

RT: 12.938 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VW025194.D

Acq: 23 Dec 2022 14:05

Instrument :

MSVOA_W

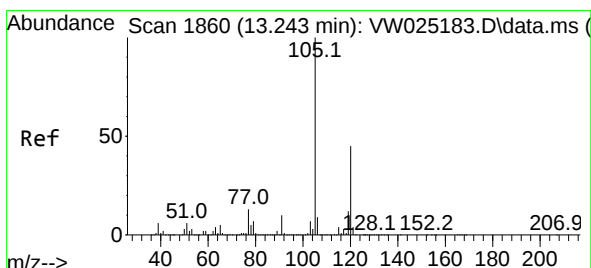
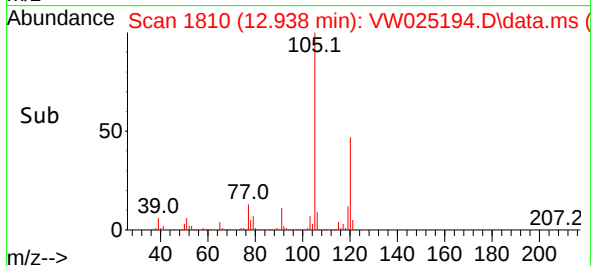
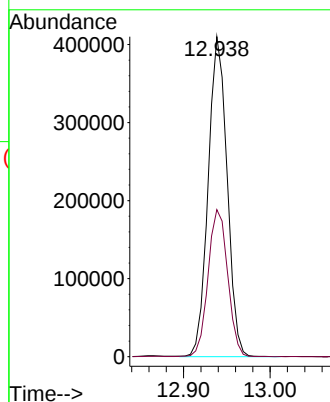
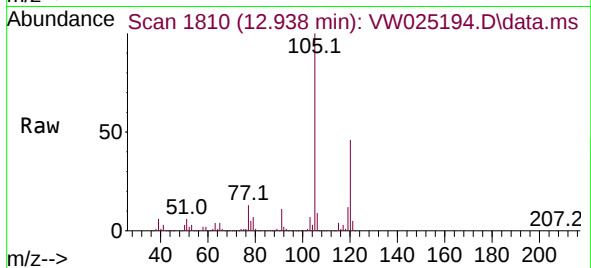
ClientSampleId :

Tgt Ion:105 Resp: 622236

Ion Ratio Lower Upper

105 100

120 47.6 38.0 57.0



#63

1,2,4-Trimethylbenzene

Concen: 22.563 ug/L

RT: 13.243 min Scan# 1860

Delta R.T. 0.000 min

Lab File: VW025194.D

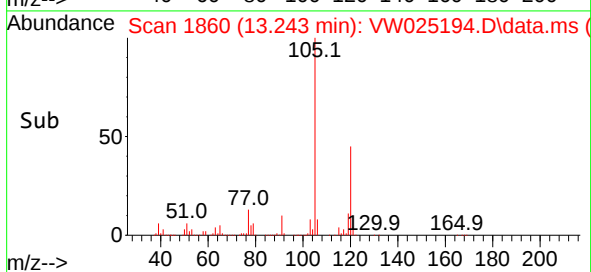
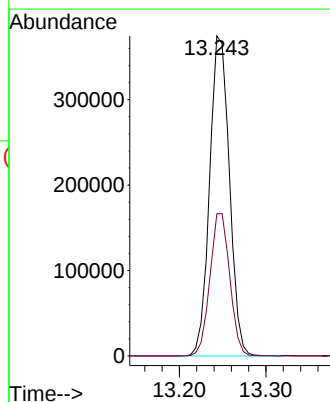
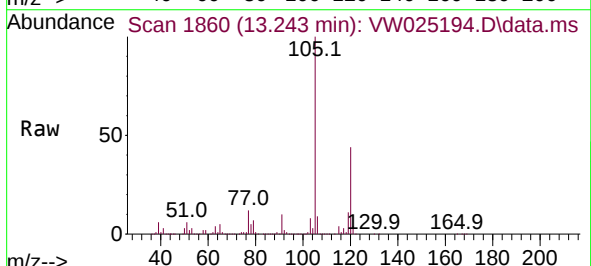
Acq: 23 Dec 2022 14:05

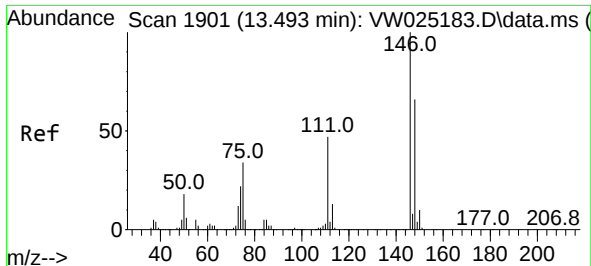
Tgt Ion:105 Resp: 594642

Ion Ratio Lower Upper

105 100

120 44.5 36.1 54.1

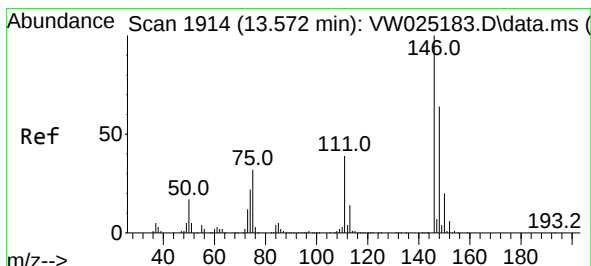
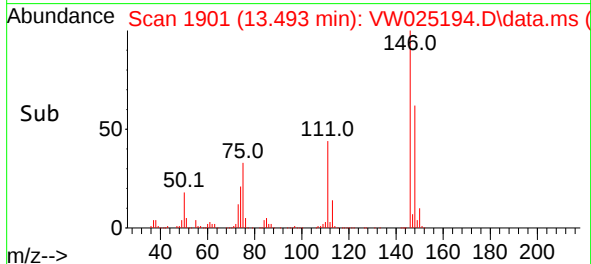
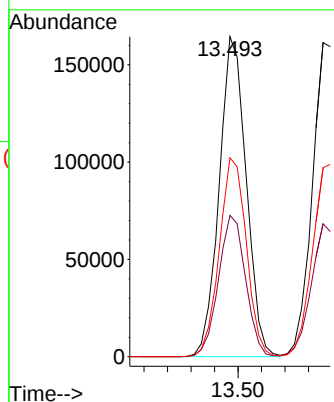
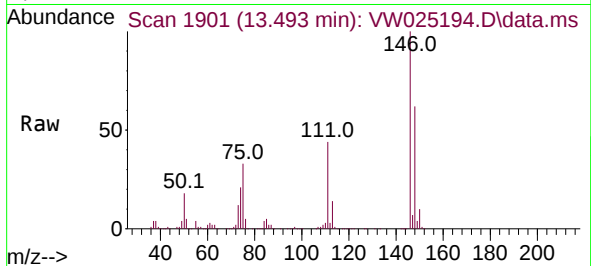




#64
1,3-Dichlorobenzene
Concen: 20.242 ug/L
RT: 13.493 min Scan# 1901
Delta R.T. 0.000 min
Lab File: VW025194.D
Acq: 23 Dec 2022 14:05

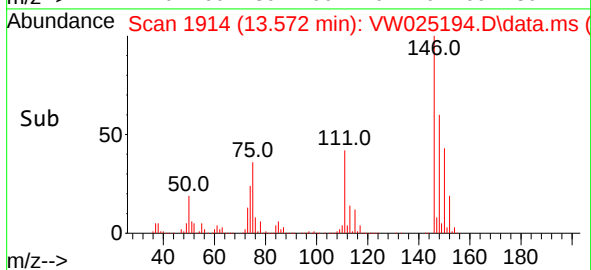
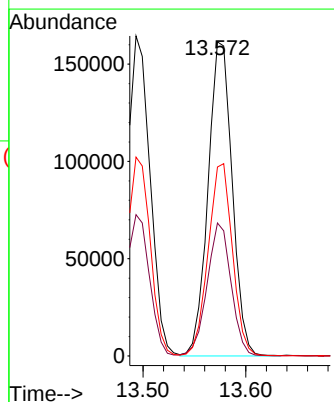
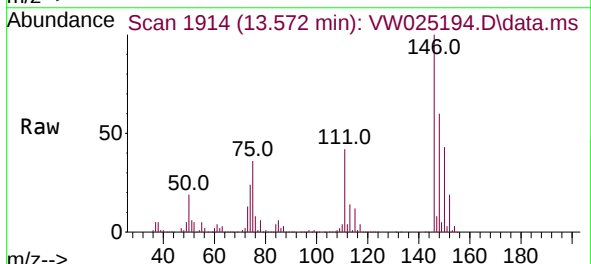
Instrument :
MSVOA_W
ClientSampleId :

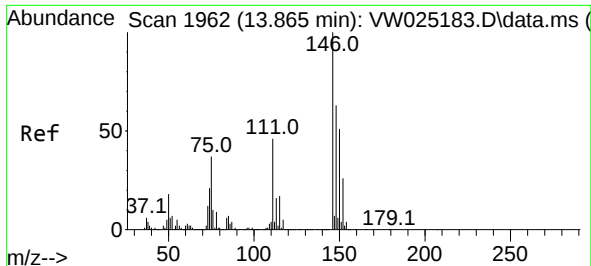
Tgt Ion:146 Resp: 262455
Ion Ratio Lower Upper
146 100
111 44.2 30.2 56.0
148 62.1 44.9 83.5



#65
1,4-Dichlorobenzene
Concen: 20.202 ug/L
RT: 13.572 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW025194.D
Acq: 23 Dec 2022 14:05

Tgt Ion:146 Resp: 263790
Ion Ratio Lower Upper
146 100
111 42.4 27.4 51.0
148 60.2 41.6 77.3





#67

1,2-Dichlorobenzene

Concen: 21.976 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VW025194.D

Acq: 23 Dec 2022 14:05

Instrument :

MSVOA_W

ClientSampleId :

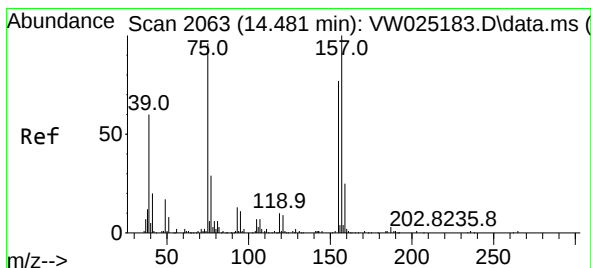
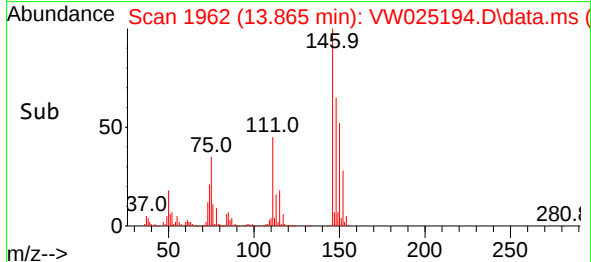
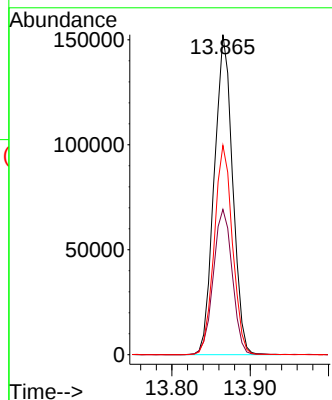
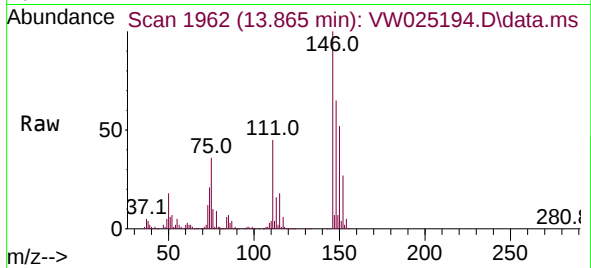
Tgt Ion:146 Resp: 248494

Ion Ratio Lower Upper

146 100

111 45.4 34.3 51.5

148 65.4 51.4 77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 39.585 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VW025194.D

Acq: 23 Dec 2022 14:05

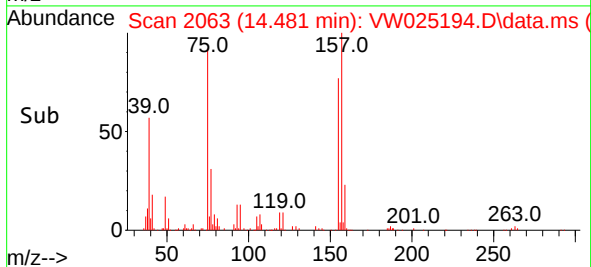
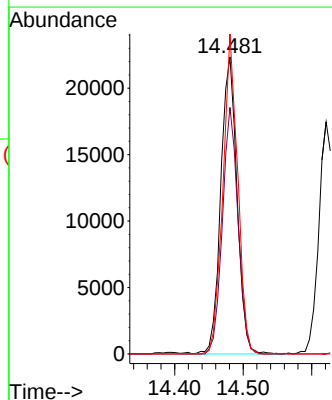
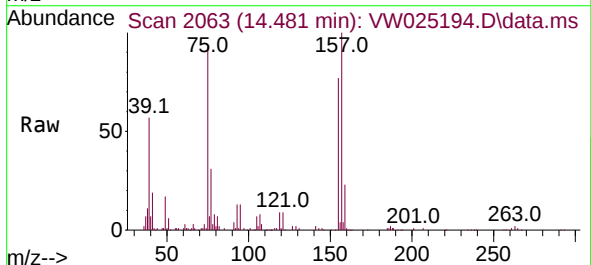
Tgt Ion: 75 Resp: 36654

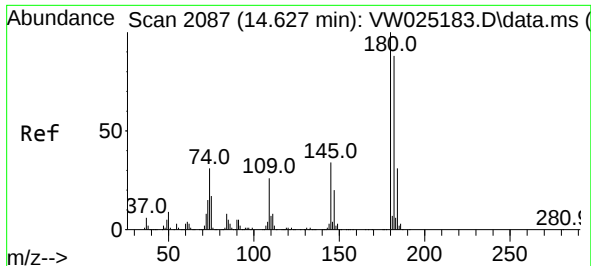
Ion Ratio Lower Upper

75 100

155 83.0 60.3 90.5

157 107.7 84.9 127.3





#69

1,3,5-Trichlorobenzene

Concen: 14.523 ug/L

RT: 14.627 min Scan# 2087

Delta R.T. 0.000 min

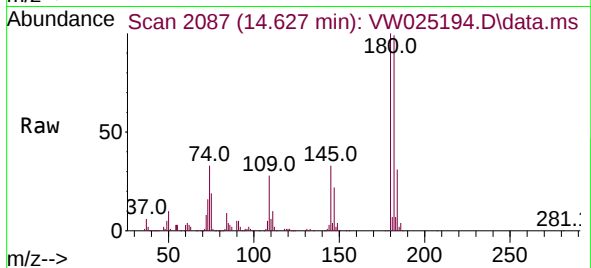
Lab File: VW025194.D

Acq: 23 Dec 2022 14:05

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:180 Resp: 133709

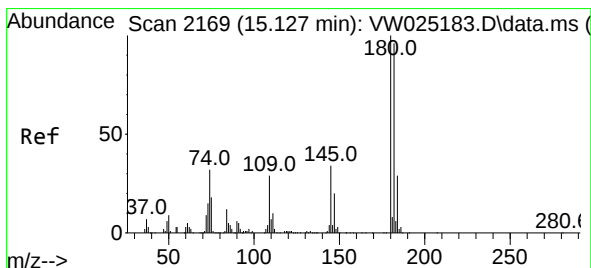
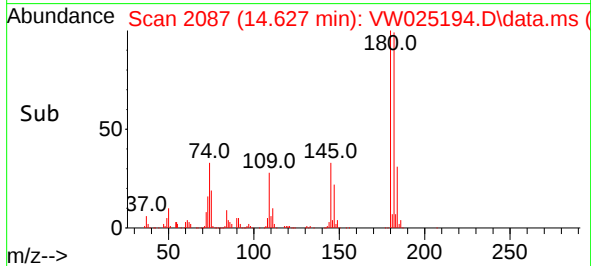
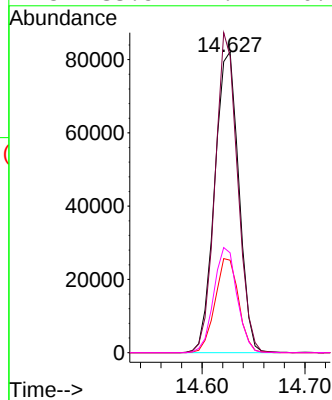
Ion Ratio Lower Upper

180 100

182 99.1 77.8 116.6

184 30.6 24.3 36.5

145 33.8 27.1 40.7



#70

1,2,4-trichlorobenzene

Concen: 14.895 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. 0.000 min

Lab File: VW025194.D

Acq: 23 Dec 2022 14:05

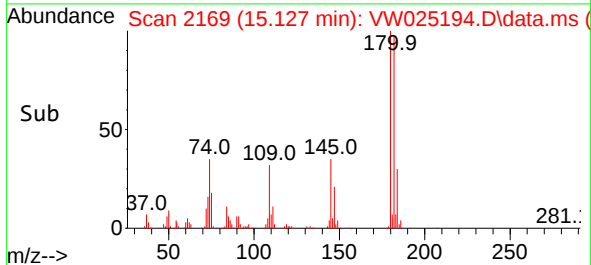
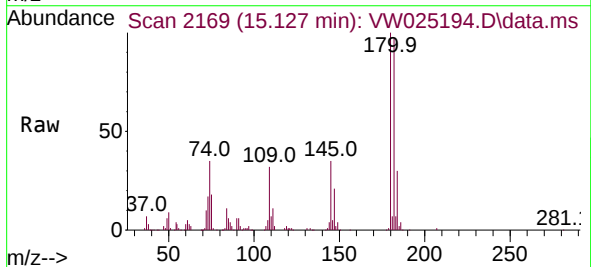
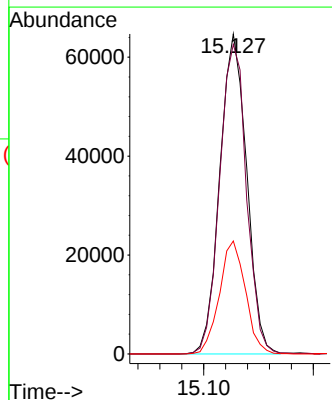
Tgt Ion:180 Resp: 110030

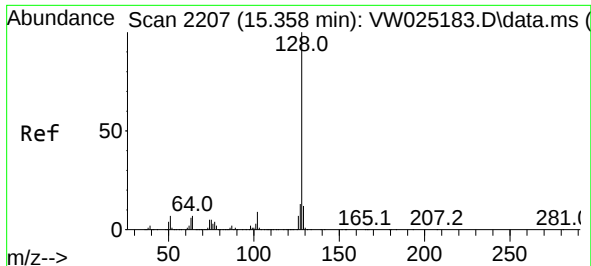
Ion Ratio Lower Upper

180 100

182 96.7 77.2 115.8

145 34.3 26.9 40.3

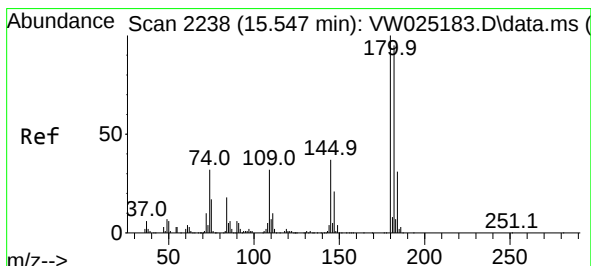
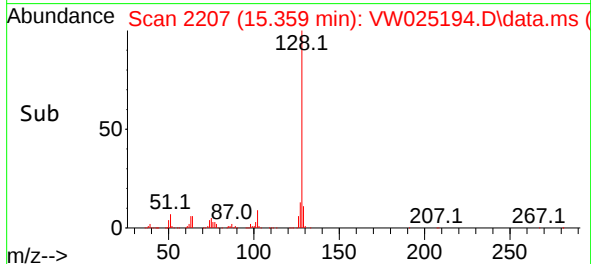
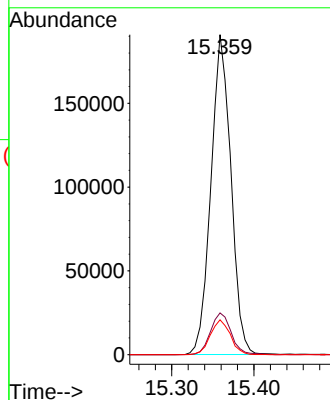
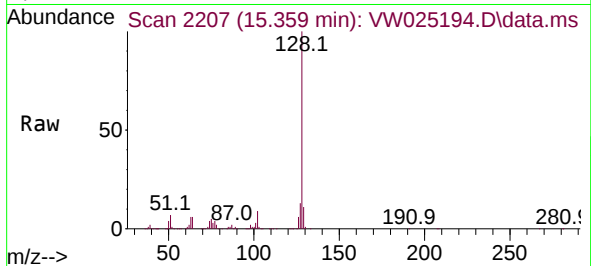




#71
Naphthalene
Concen: 22.244 ug/L
RT: 15.359 min Scan# 2207
Delta R.T. 0.000 min
Lab File: VW025194.D
Acq: 23 Dec 2022 14:05

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:128 Resp: 322126
Ion Ratio Lower Upper
128 100
127 13.5 10.3 15.5
129 10.9 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 16.296 ug/L
RT: 15.548 min Scan# 2238
Delta R.T. 0.000 min
Lab File: VW025194.D
Acq: 23 Dec 2022 14:05

Tgt Ion:180 Resp: 105496
Ion Ratio Lower Upper
180 100
182 92.5 76.4 114.6
145 34.2 29.6 44.4

