

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100323\
 Data File : VW027194.D
 Acq On : 03 Oct 2023 09:53
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 04 01:34:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092723SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Sep 27 23:22:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	654957	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	629051	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	343689	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	217299	21.116	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.480%
7) Chloroethane-d5	2.899	69	176751	21.732	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.920%
11) 1,1-Dichloroethene-d2	4.021	65	94288	22.053	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.200%
21) 2-Butanone-d5	7.075	46	96774	45.491	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.980%
24) Chloroform-d	7.648	84	423132	22.074	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.280%
26) 1,2-Dichloroethane-d4	8.307	65	204350	22.245	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.000%
32) Benzene-d6	8.276	84	877230	22.754	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.000%
36) 1,2-Dichloropropane-d6	9.276	67	256353	22.211	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.840%
41) Toluene-d8	10.325	98	766443	22.529	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.120%
43) trans-1,3-Dichloroprop...	10.575	79	106200	23.447	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.800%
47) 2-Hexanone-d5	10.922	63	86025	48.723	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.440%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	197074	22.311	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.240%
66) 1,2-Dichlorobenzene-d4	13.849	152	256075	22.222	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.880%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.021	85	194100	22.807	ug/L	91
3) Chloromethane	2.223	50	247576	21.552	ug/L	95
5) Vinyl chloride	2.375	62	296697	23.656	ug/L	99
6) Bromomethane	2.790	94	198897	24.070	ug/L	94
8) Chloroethane	2.930	64	187076	24.576	ug/L	98
9) Trichlorofluoromethane	3.271	101	263653	25.011	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	267589	25.230	ug/L	98
12) 1,1-Dichloroethene	4.045	96	253097	24.979	ug/L	96
13) Acetone	4.112	43	161388	61.394	ug/L	98
14) Carbon disulfide	4.387	76	830084	24.408	ug/L	99
15) Methyl Acetate	4.673	43	106854	24.252	ug/L	99
16) Methylene chloride	4.917	84	274086	21.377	ug/L	98
17) trans-1,2-Dichloroethene	5.423	96	267622	24.548	ug/L	97
18) Methyl tert-butyl Ether	5.429	73	346706	25.413	ug/L	98
19) 1,1-Dichloroethane	6.216	63	494455	24.320	ug/L	98
20) cis-1,2-Dichloroethene	7.173	96	288313	24.809	ug/L	92
22) 2-Butanone	7.167	43	185612	57.092	ug/L	100
23) Bromochloromethane	7.514	128	127808	24.102	ug/L	94
25) Chloroform	7.679	83	484814	24.448	ug/L	97

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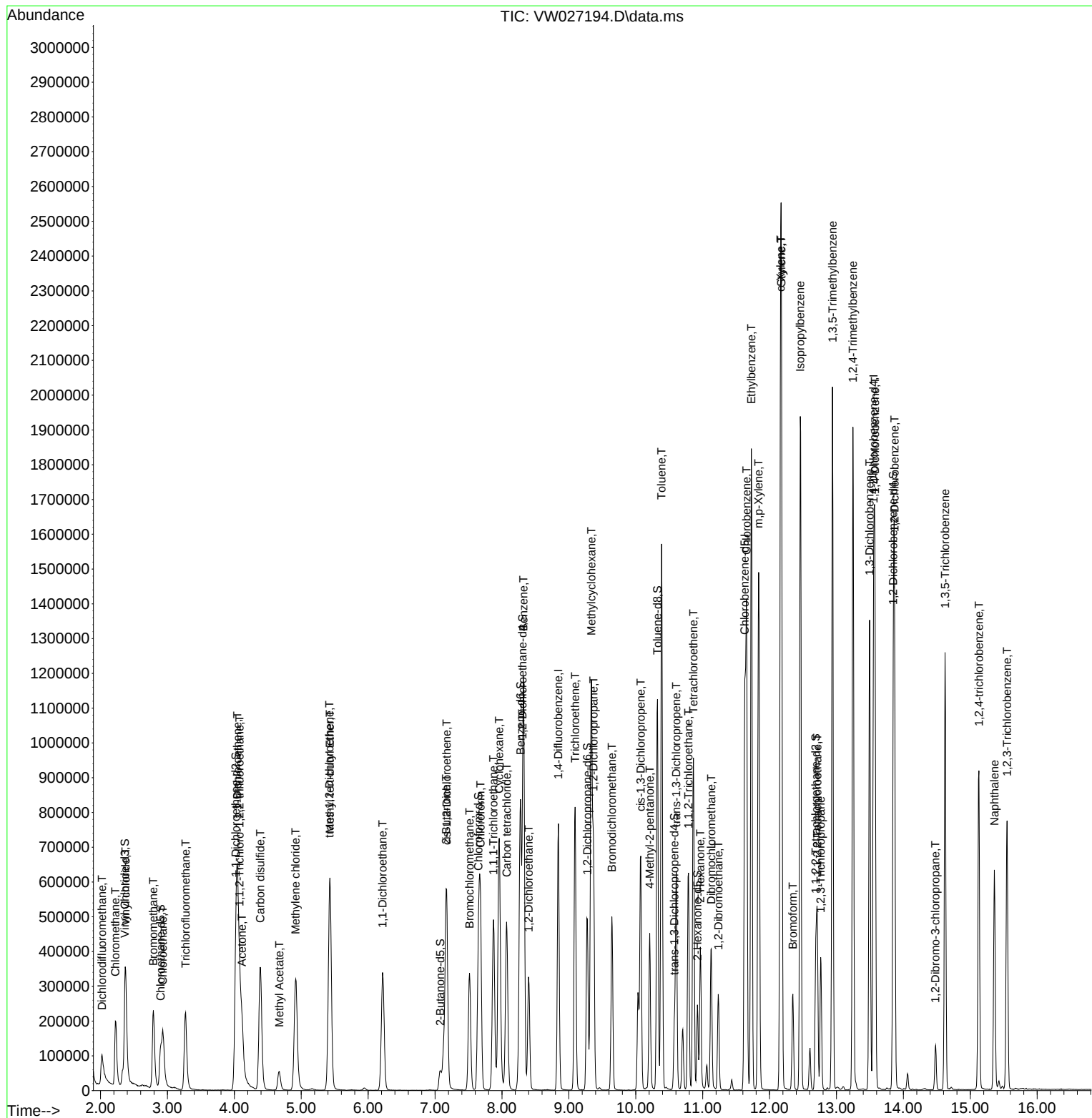
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	292840	24.107	ug/L	96
29) Cyclohexane	7.959	56	437706	26.154	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	407576	26.064	ug/L	99
31) Carbon tetrachloride	8.069	117	379197	25.674	ug/L	99
33) Benzene	8.319	78	1110478	24.976	ug/L	100
34) Trichloroethene	9.093	95	285979	24.631	ug/L	98
35) Methylcyclohexane	9.337	83	502852	25.750	ug/L	99
37) 1,2-Dichloropropane	9.368	63	279104	24.363	ug/L	100
38) Bromodichloromethane	9.642	83	342114	24.864	ug/L	99
39) cis-1,3-Dichloropropene	10.075	75	425595	25.213	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	285533	51.375	ug/L	100
42) Toluene	10.386	91	1170961	25.646	ug/L	94
44) trans-1,3-Dichloropropene	10.605	75	361664	26.143	ug/L	98
45) 1,1,2-Trichloroethane	10.788	97	203636	24.563	ug/L	97
46) Tetrachloroethene	10.861	164	229899	25.189	ug/L	92
48) 2-Hexanone	10.965	43	241910	55.521	ug/L	98
49) Dibromochloromethane	11.130	129	220186	24.489	ug/L	99
50) 1,2-Dibromoethane	11.233	107	189210	24.595	ug/L	93
51) Chlorobenzene	11.654	112	746143	24.626	ug/L	96
52) Ethylbenzene	11.727	91	1316513	25.666	ug/L	98
53) m,p-Xylene	11.837	106	508333	25.845	ug/L	91
54) o-Xylene	12.166	106	470928	25.631	ug/L	97
55) Styrene	12.178	104	808955	25.577	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.715	83	235608	23.693	ug/L	97
59) Bromoform	12.349	173	134542	24.790	ug/L	99
60) Isopropylbenzene	12.459	105	1282780	25.347	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	164309	23.351	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	1066949	26.889	ug/L	97
63) 1,2,4-Trimethylbenzene	13.245	105	1028085	26.439	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	569501	24.381	ug/L	97
65) 1,4-Dichlorobenzene	13.574	146	580316	24.729	ug/L	99
67) 1,2-Dichlorobenzene	13.867	146	512025	25.009	ug/L	90
68) 1,2-Dibromo-3-chloropr...	14.477	75	34450	22.857	ug/L	91
69) 1,3,5-Trichlorobenzene	14.623	180	388204	25.810	ug/L	94
70) 1,2,4-trichlorobenzene	15.129	180	304164	25.632	ug/L	97
71) Naphthalene	15.360	128	535385	25.571	ug/L	100
72) 1,2,3-Trichlorobenzene	15.549	180	267239	25.370	ug/L	98

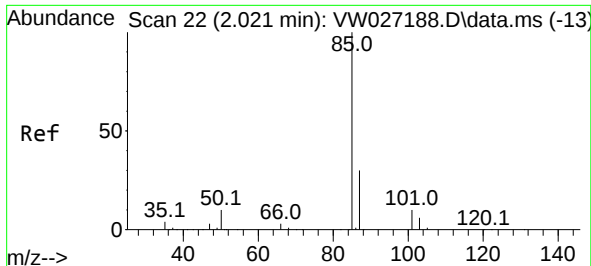
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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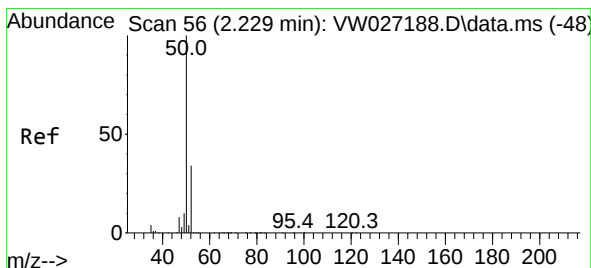
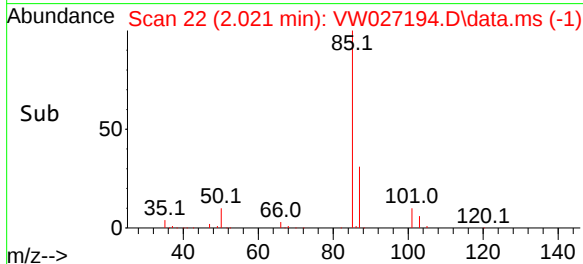
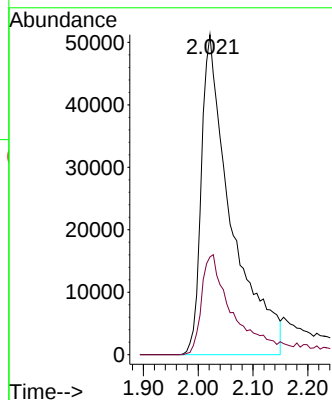
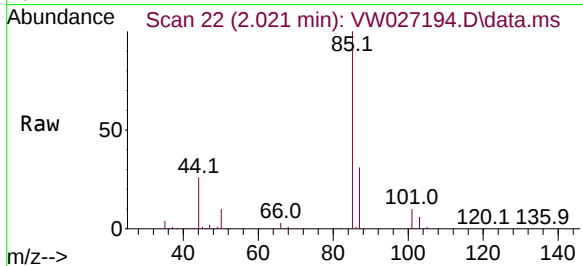




#2
Dichlorodifluoromethane
Concen: 22.807 ug/L
RT: 2.021 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW027194.D
Acq: 03 Oct 2023 09:53

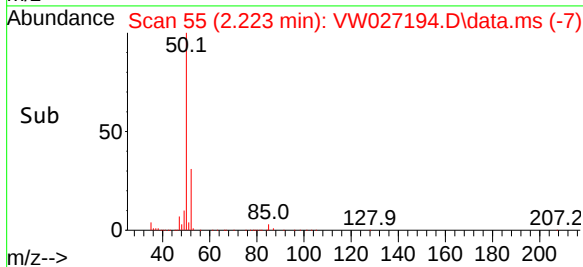
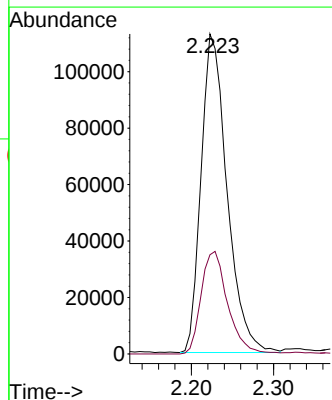
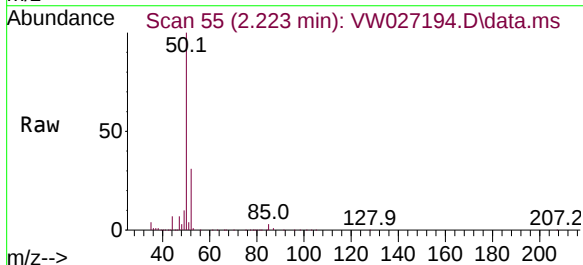
Instrument :
MSVOA_W
ClientSampleId :

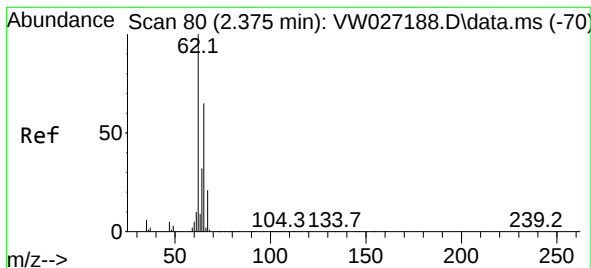
Tgt Ion: 85 Resp: 194100
Ion Ratio Lower Upper
85 100
87 32.1 22.1 33.1



#3
Chloromethane
Concen: 21.552 ug/L
RT: 2.223 min Scan# 55
Delta R.T. -0.006 min
Lab File: VW027194.D
Acq: 03 Oct 2023 09:53

Tgt Ion: 50 Resp: 247576
Ion Ratio Lower Upper
50 100
52 31.0 23.5 43.7





#5

Vinyl chloride

Concen: 23.656 ug/L

RT: 2.375 min Scan# 80

Delta R.T. 0.000 min

Lab File: VW027194.D

Acq: 03 Oct 2023 09:53

Instrument :

MSVOA_W

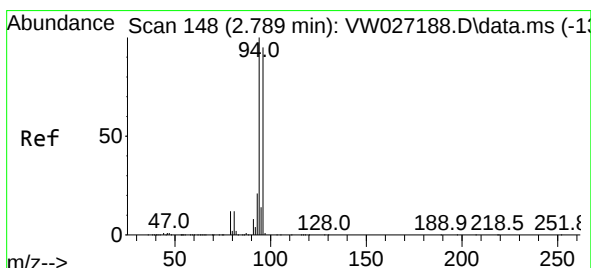
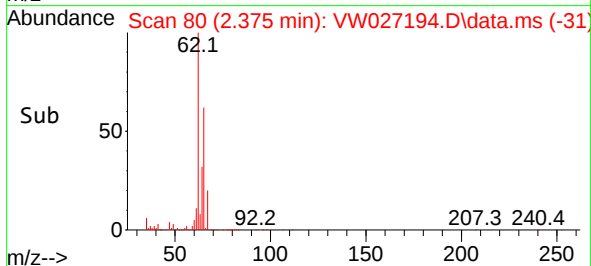
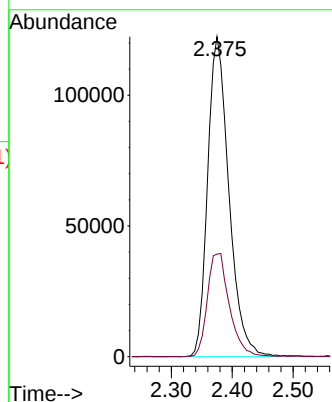
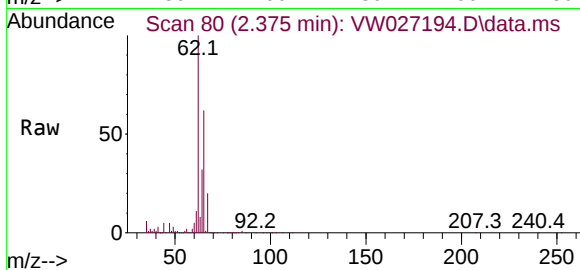
ClientSampleId :

Tgt Ion: 62 Resp: 296697

Ion Ratio Lower Upper

62 100

64 32.1 22.2 41.2



#6

Bromomethane

Concen: 24.070 ug/L

RT: 2.790 min Scan# 148

Delta R.T. 0.000 min

Lab File: VW027194.D

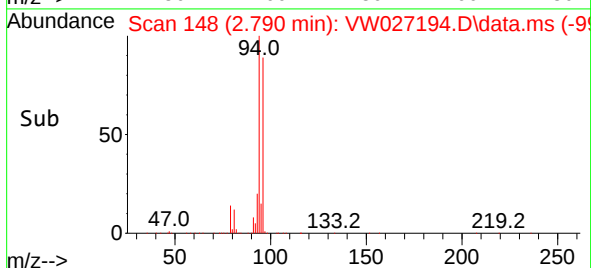
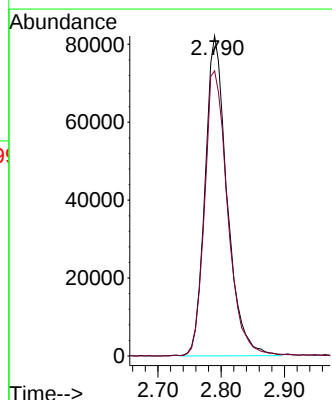
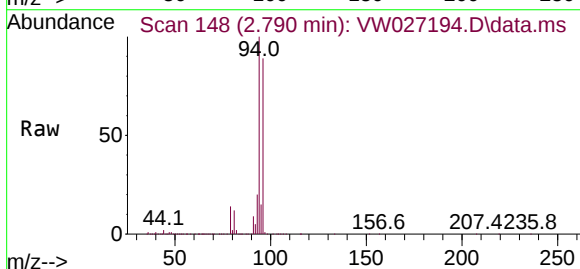
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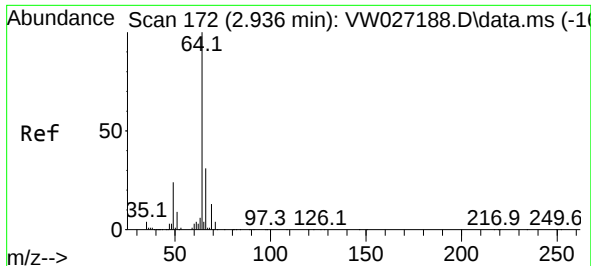
Tgt Ion: 94 Resp: 198897

Ion Ratio Lower Upper

94 100

96 89.1 66.8 124.0

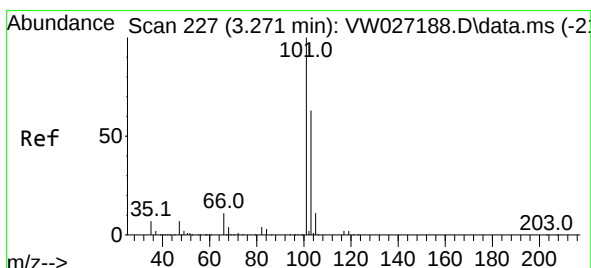
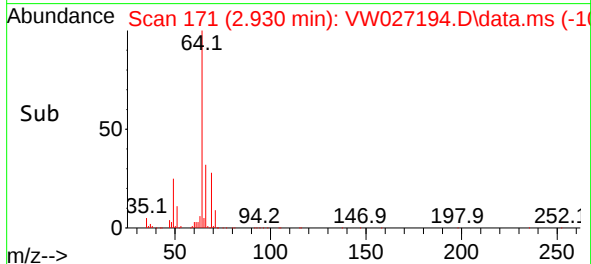
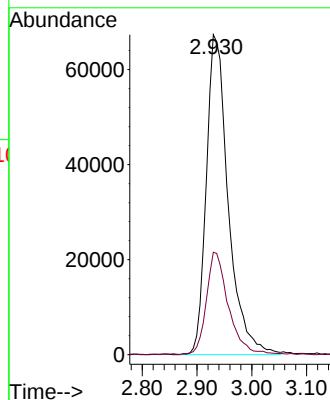
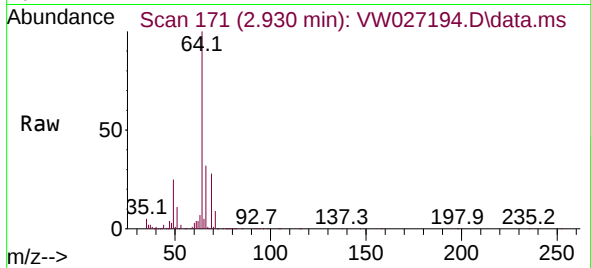




#8
Chloroethane
Concen: 24.576 ug/L
RT: 2.930 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW027194.D
Acq: 03 Oct 2023 09:53

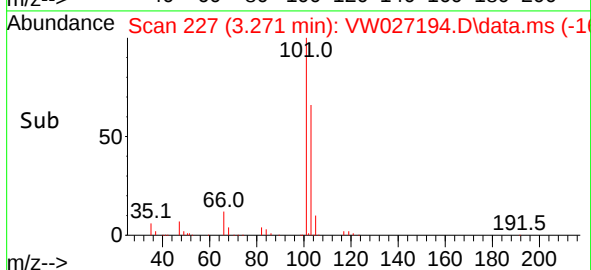
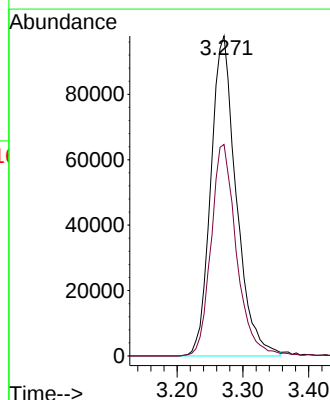
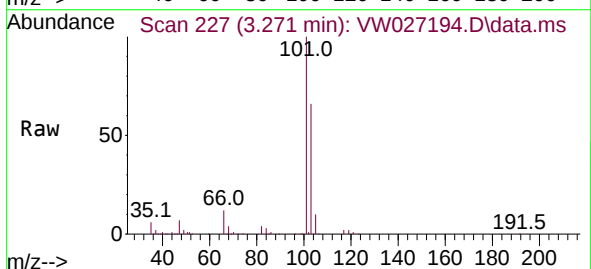
Instrument :
MSVOA_W
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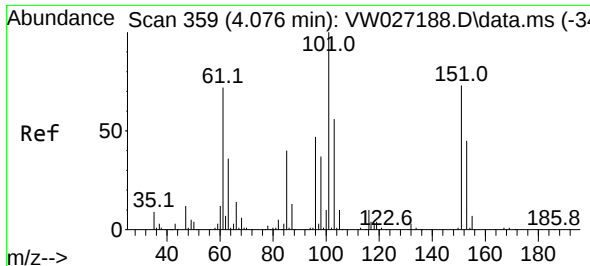
Tgt Ion: 64 Resp: 187076
Ion Ratio Lower Upper
64 100
66 32.0 21.5 39.9



#9
Trichlorofluoromethane
Concen: 25.011 ug/L
RT: 3.271 min Scan# 227
Delta R.T. 0.000 min
Lab File: VW027194.D
Acq: 03 Oct 2023 09:53

Tgt Ion:101 Resp: 263653
Ion Ratio Lower Upper
101 100
103 65.6 52.0 78.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 25.230 ug/L

RT: 4.076 min Scan# 359

Delta R.T. 0.000 min

Lab File: VW027194.D

Acq: 03 Oct 2023 09:53

Instrument :

MSVOA_W

ClientSampleId :

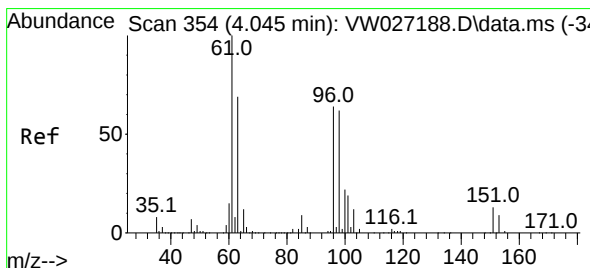
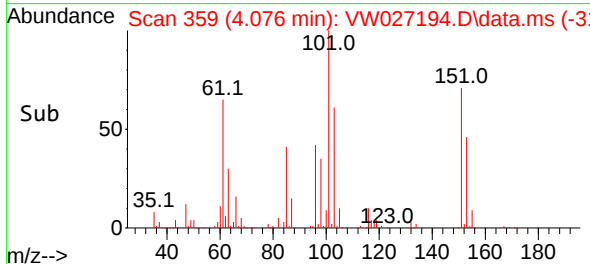
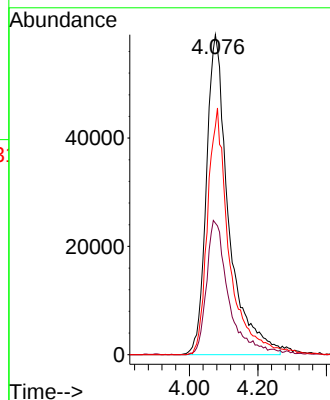
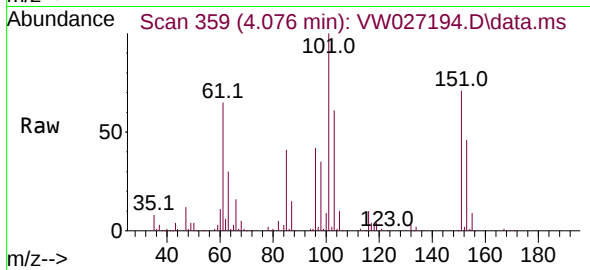
Tgt Ion:101 Resp: 267589

Ion Ratio Lower Upper

101 100

85 39.2 33.1 49.7

151 72.7 58.6 87.8



#12

1,1-Dichloroethene

Concen: 24.979 ug/L

RT: 4.045 min Scan# 354

Delta R.T. 0.000 min

Lab File: VW027194.D

Acq: 03 Oct 2023 09:53

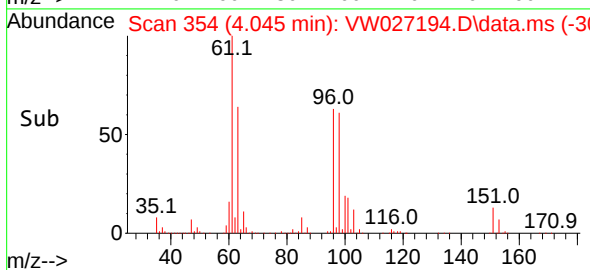
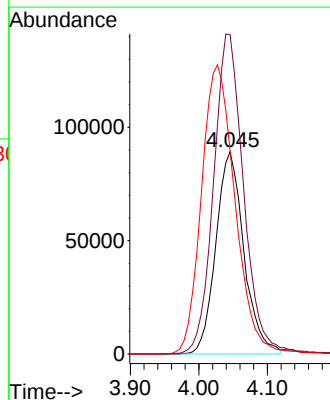
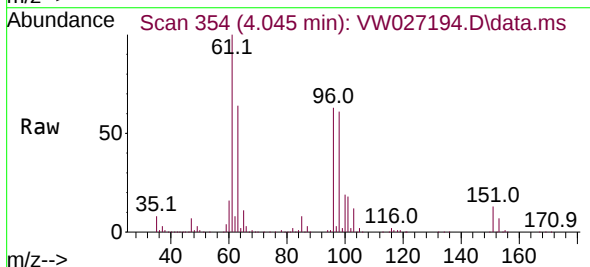
Tgt Ion: 96 Resp: 253097

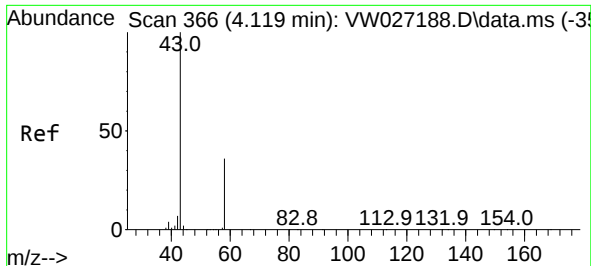
Ion Ratio Lower Upper

96 100

61 158.0 109.8 204.0

63 100.3 76.9 142.7

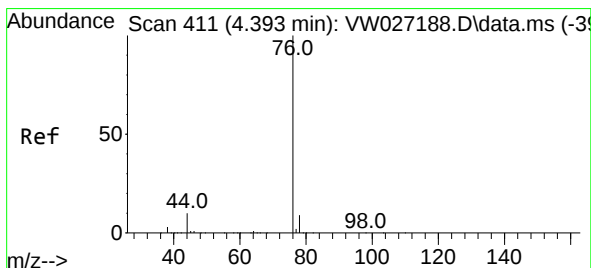
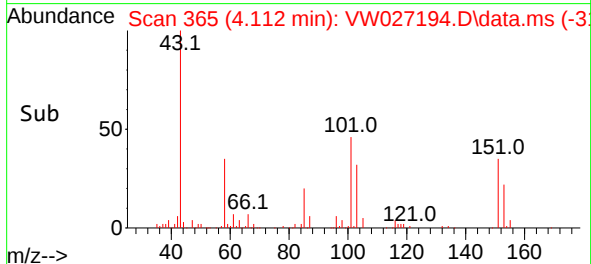
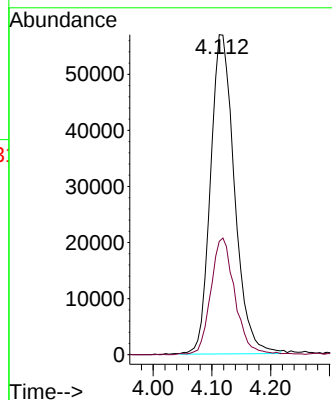
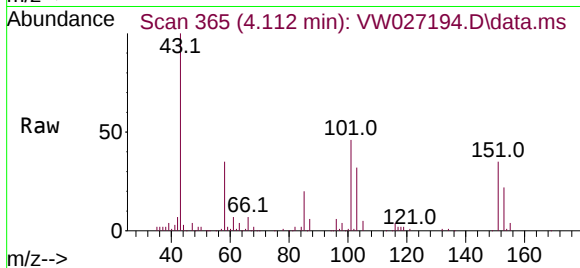




#13
Acetone
Concen: 61.394 ug/L
RT: 4.112 min Scan# 30
Delta R.T. -0.006 min
Lab File: VW027194.D
Acq: 03 Oct 2023 09:53

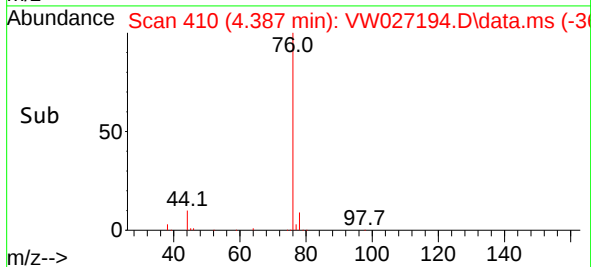
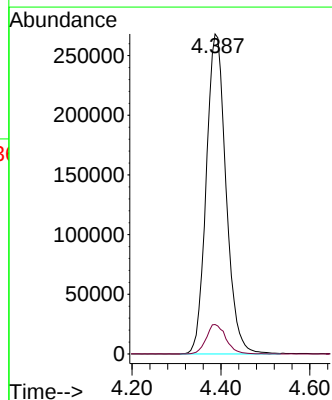
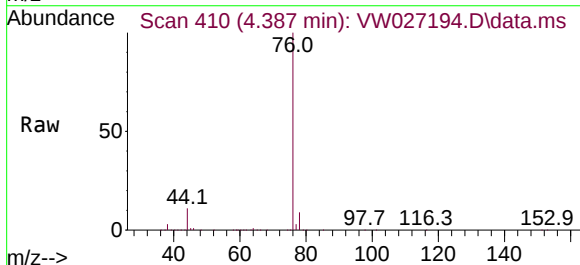
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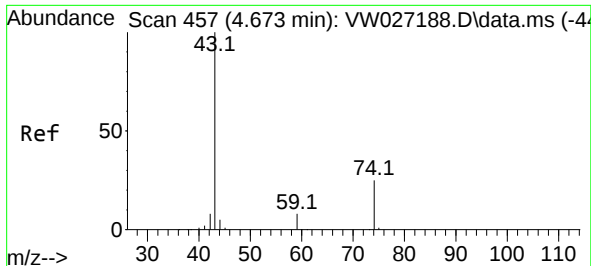
Tgt Ion: 43 Resp: 161388
Ion Ratio Lower Upper
43 100
58 36.2 0.0 70.4



#14
Carbon disulfide
Concen: 24.408 ug/L
RT: 4.387 min Scan# 410
Delta R.T. -0.006 min
Lab File: VW027194.D
Acq: 03 Oct 2023 09:53

Tgt Ion: 76 Resp: 830084
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.6

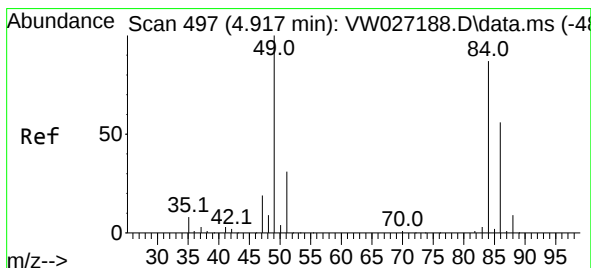
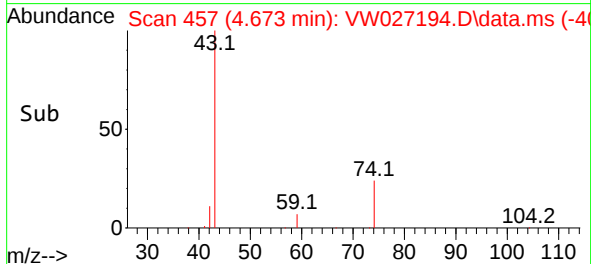
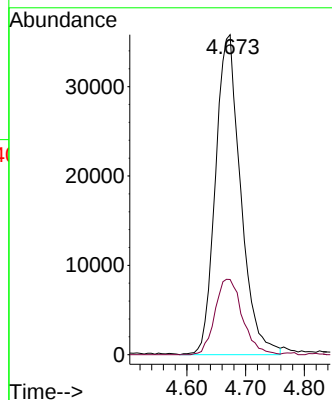
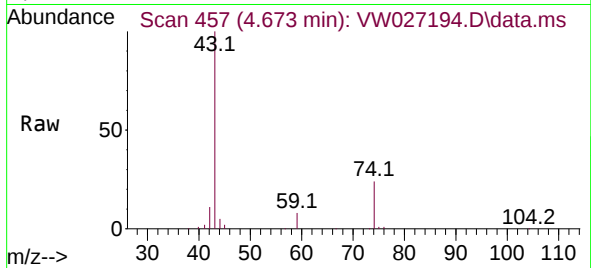




#15
Methyl Acetate
Concen: 24.252 ug/L
RT: 4.673 min Scan# 457
Delta R.T. 0.000 min
Lab File: VW027194.D
Acq: 03 Oct 2023 09:53

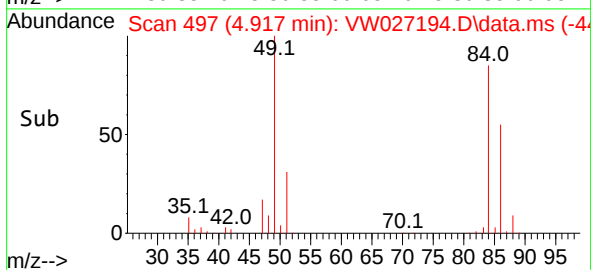
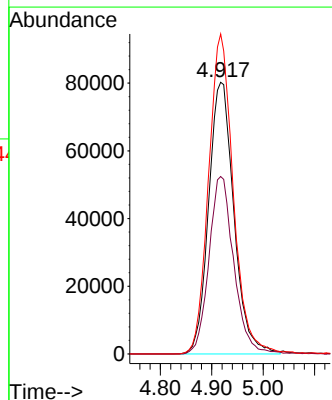
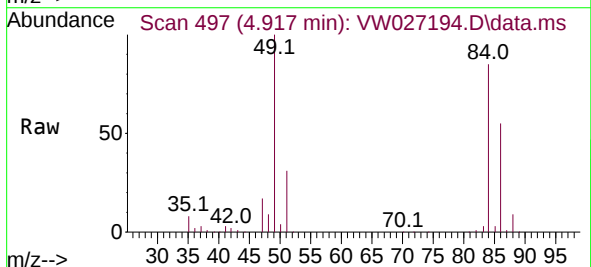
Instrument :
MSVOA_W
ClientSampleId :

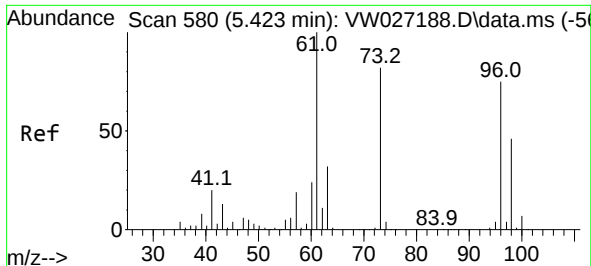
Tgt Ion: 43 Resp: 106854
Ion Ratio Lower Upper
43 100
74 25.6 20.8 31.2



#16
Methylene chloride
Concen: 21.377 ug/L
RT: 4.917 min Scan# 497
Delta R.T. 0.000 min
Lab File: VW027194.D
Acq: 03 Oct 2023 09:53

Tgt Ion: 84 Resp: 274086
Ion Ratio Lower Upper
84 100
86 65.3 45.1 83.9
49 117.8 80.9 150.3





#17

trans-1,2-Dichloroethene

Concen: 24.548 ug/L

RT: 5.423 min Scan# 580

Delta R.T. 0.000 min

Lab File: VW027194.D

Acq: 03 Oct 2023 09:53

Instrument :

MSVOA_W

ClientSampleId :

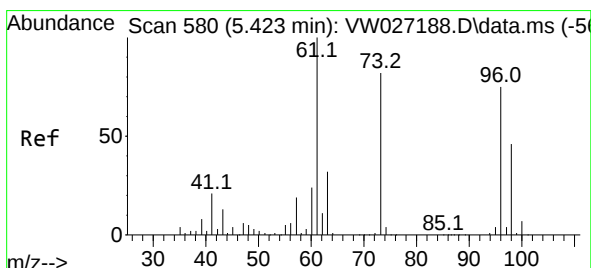
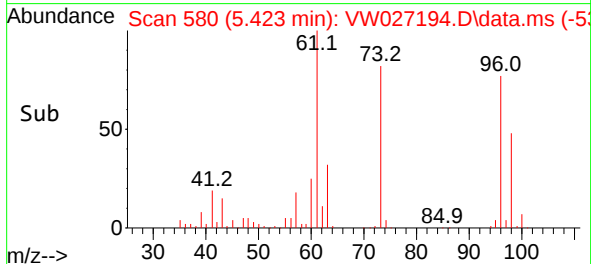
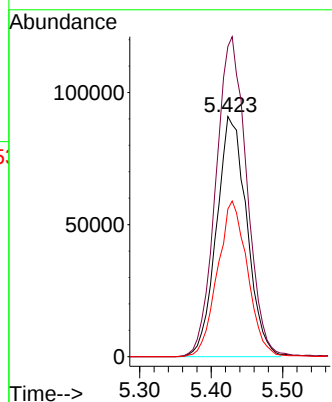
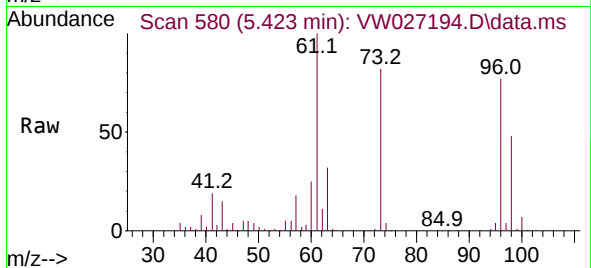
Tgt Ion: 96 Resp: 267622

Ion Ratio Lower Upper

96 100

61 129.1 93.5 173.7

98 61.5 43.3 80.5



#18

Methyl tert-butyl Ether

Concen: 25.413 ug/L

RT: 5.429 min Scan# 581

Delta R.T. 0.006 min

Lab File: VW027194.D

Acq: 03 Oct 2023 09:53

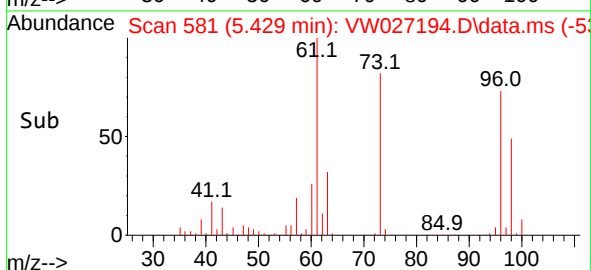
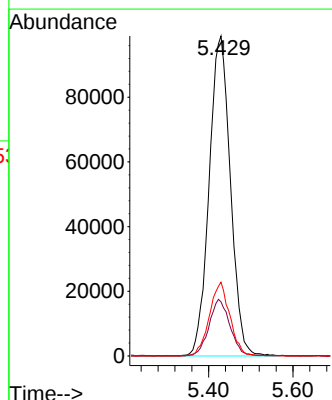
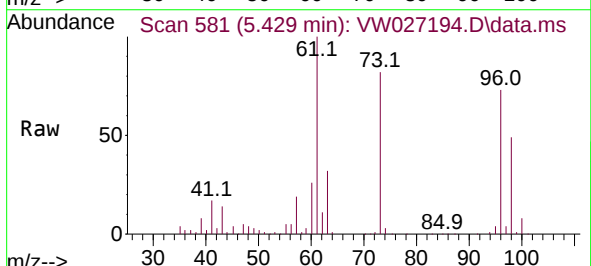
Tgt Ion: 73 Resp: 346706

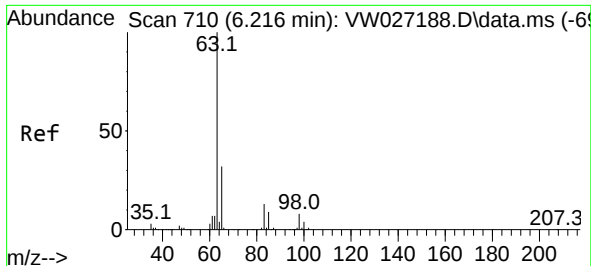
Ion Ratio Lower Upper

73 100

43 17.2 14.2 21.2

57 21.8 18.3 27.5





#19

1,1-Dichloroethane

Concen: 24.320 ug/L

RT: 6.216 min Scan# 710

Delta R.T. 0.000 min

Lab File: VW027194.D

Acq: 03 Oct 2023 09:53

Instrument :

MSVOA_W

ClientSampleId :

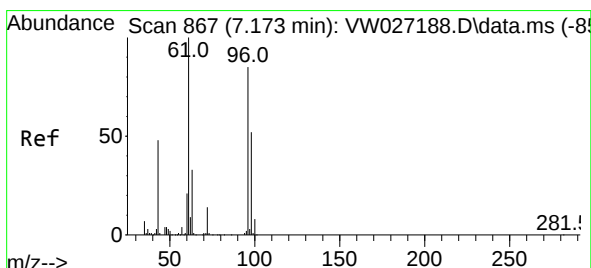
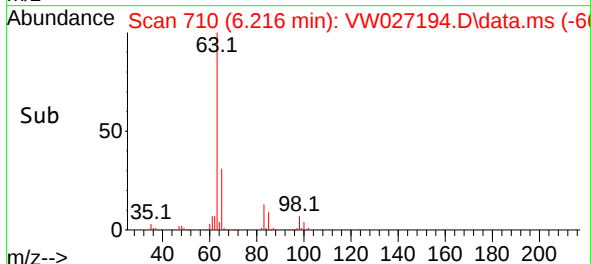
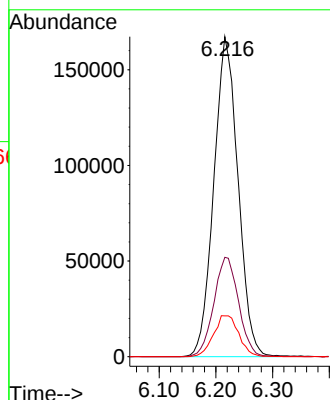
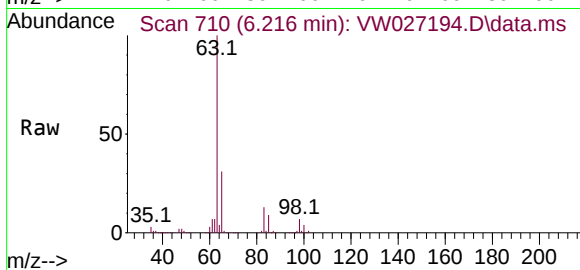
Tgt Ion: 63 Resp: 494455

Ion Ratio Lower Upper

63 100

65 31.0 22.5 41.9

83 12.7 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 24.809 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.000 min

Lab File: VW027194.D

Acq: 03 Oct 2023 09:53

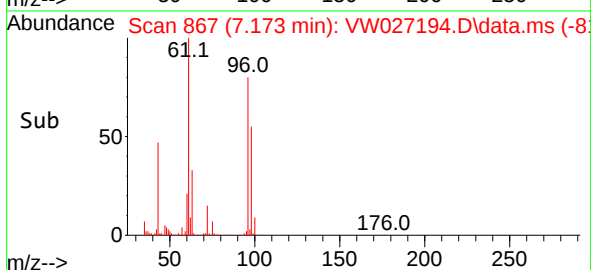
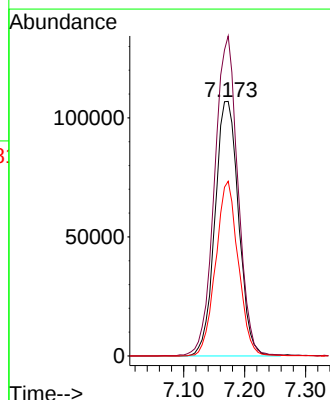
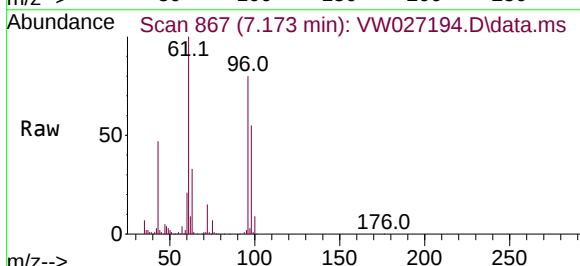
Tgt Ion: 96 Resp: 288313

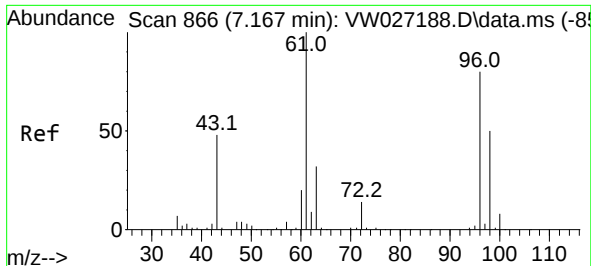
Ion Ratio Lower Upper

96 100

61 125.7 82.7 153.5

98 68.6 43.0 80.0

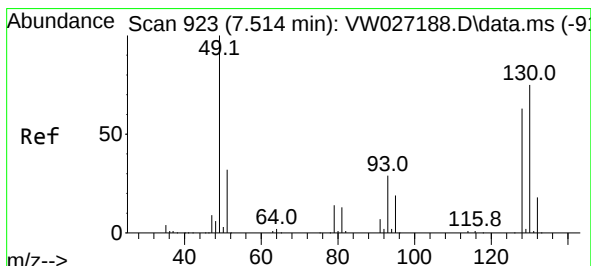
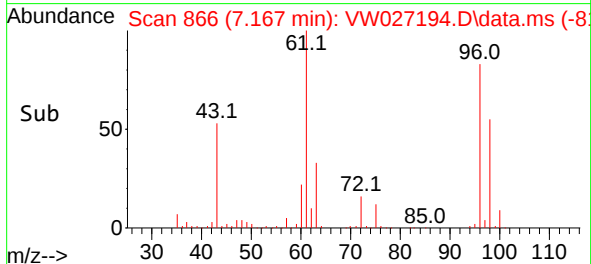
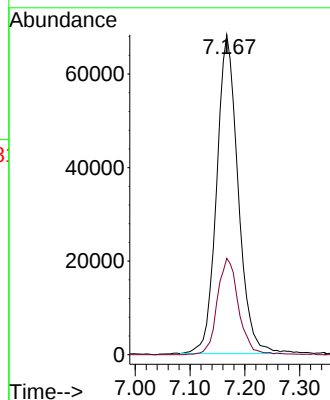
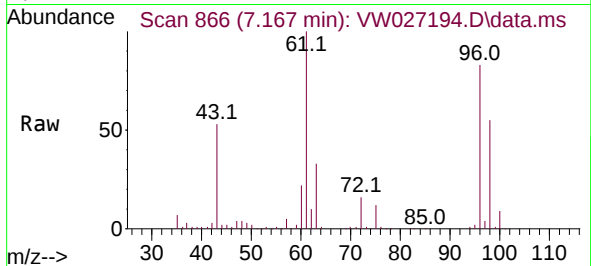




#22
2-Butanone
Concen: 57.092 ug/L
RT: 7.167 min Scan# 866
Delta R.T. 0.000 min
Lab File: VW027194.D
Acq: 03 Oct 2023 09:53

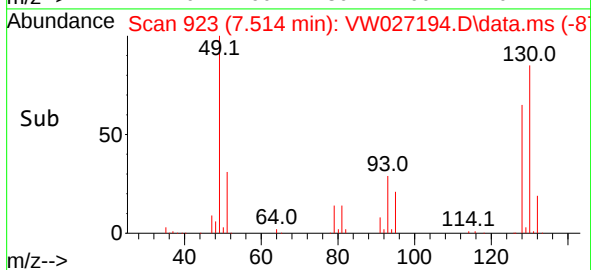
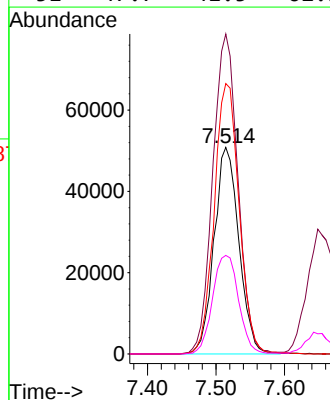
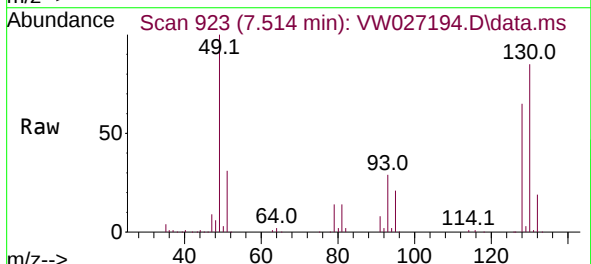
Instrument :
MSVOA_W
ClientSampleId :

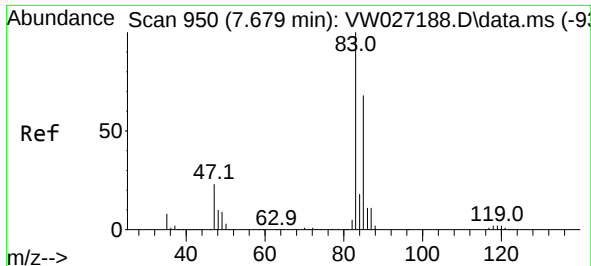
Tgt Ion: 43 Resp: 185612
Ion Ratio Lower Upper
43 100
72 29.3 14.6 44.0



#23
Bromochloromethane
Concen: 24.102 ug/L
RT: 7.514 min Scan# 923
Delta R.T. 0.000 min
Lab File: VW027194.D
Acq: 03 Oct 2023 09:53

Tgt Ion: 128 Resp: 127808
Ion Ratio Lower Upper
128 100
49 154.9 112.1 208.1
130 130.9 83.9 155.7
51 47.7 41.5 62.3

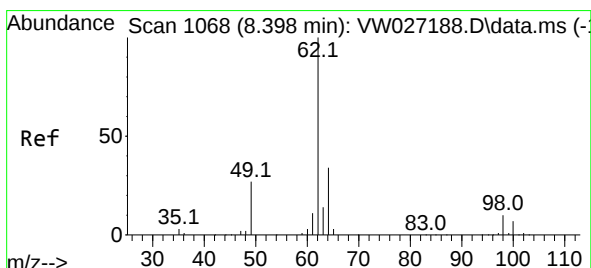
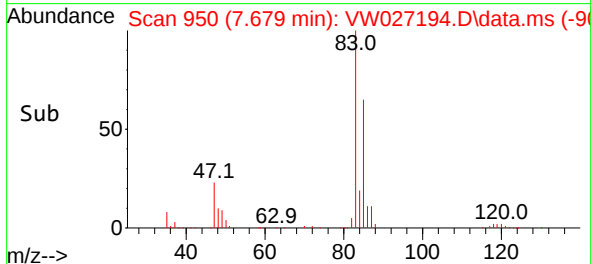
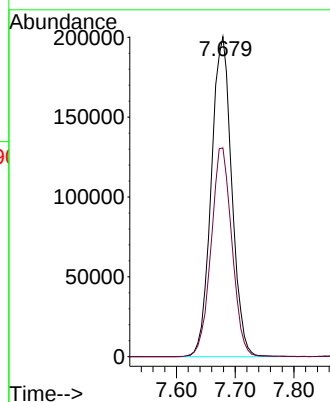
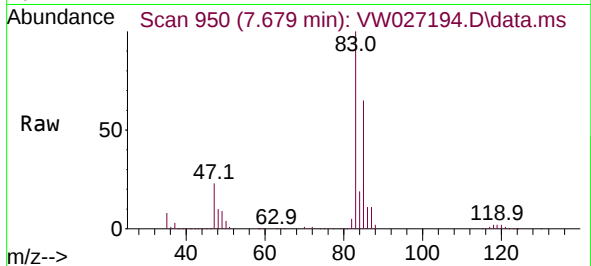




#25
Chloroform
Concen: 24.448 ug/L
RT: 7.679 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW027194.D
Acq: 03 Oct 2023 09:53

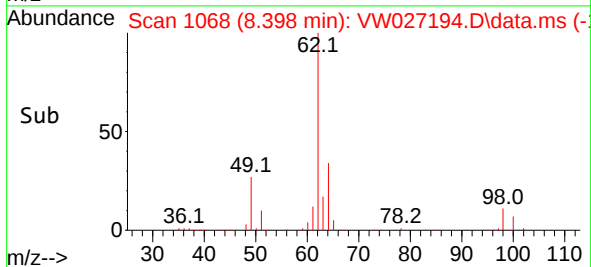
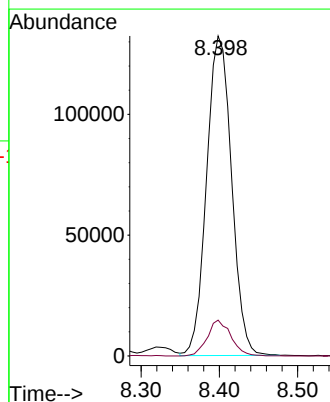
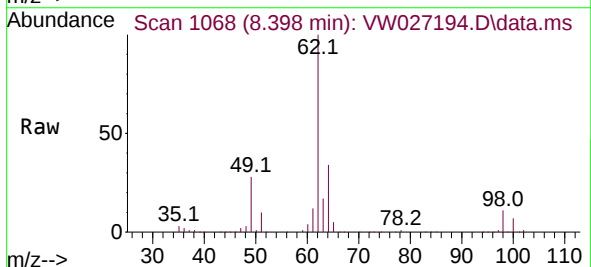
Instrument :
MSVOA_W
ClientSampleId :

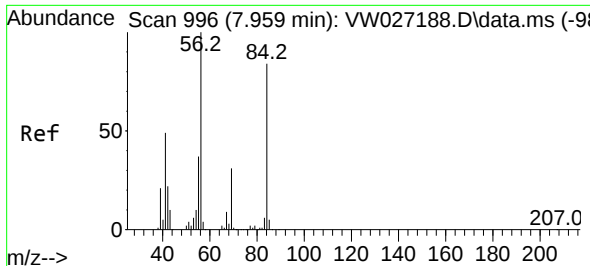
Tgt Ion: 83 Resp: 484814
Ion Ratio Lower Upper
83 100
85 65.3 47.7 88.5



#27
1,2-Dichloroethane
Concen: 24.107 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VW027194.D
Acq: 03 Oct 2023 09:53

Tgt Ion: 62 Resp: 292840
Ion Ratio Lower Upper
62 100
98 11.2 7.9 11.9





#29

Cyclohexane

Concen: 26.154 ug/L

RT: 7.959 min Scan# 996

Delta R.T. 0.000 min

Lab File: VW027194.D

Acq: 03 Oct 2023 09:53

Instrument :

MSVOA_W

ClientSampleId :

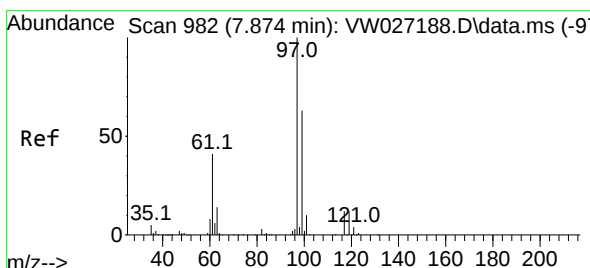
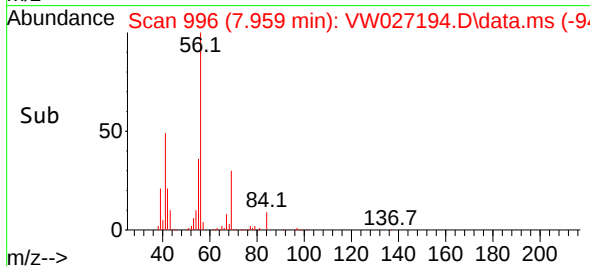
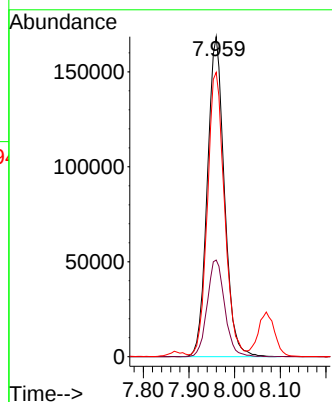
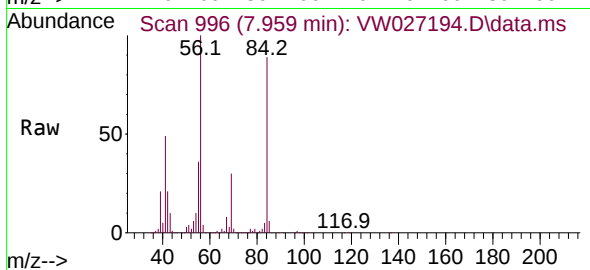
Tgt Ion: 56 Resp: 437706

Ion Ratio Lower Upper

56 100

69 30.9 25.0 37.4

84 89.0 69.9 104.9



#30

1,1,1-Trichloroethane

Concen: 26.064 ug/L

RT: 7.874 min Scan# 982

Delta R.T. 0.000 min

Lab File: VW027194.D

Acq: 03 Oct 2023 09:53

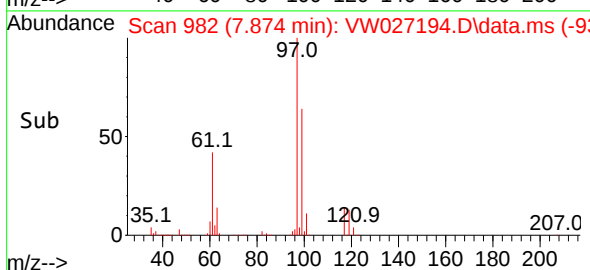
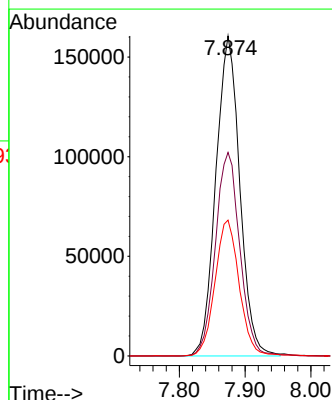
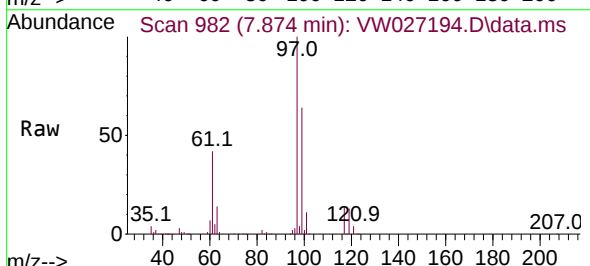
Tgt Ion: 97 Resp: 407576

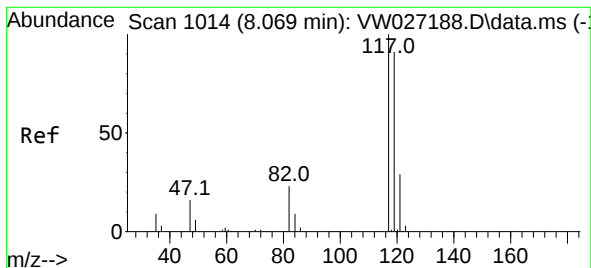
Ion Ratio Lower Upper

97 100

99 64.9 50.8 76.2

61 42.9 34.6 52.0





#31

Carbon tetrachloride

Concen: 25.674 ug/L

RT: 8.069 min Scan# 1014

Delta R.T. 0.000 min

Lab File: VW027194.D

Acq: 03 Oct 2023 09:53

Instrument :

MSVOA_W

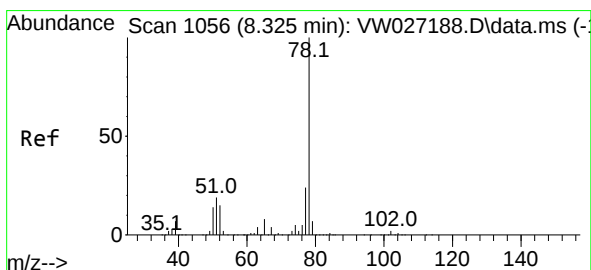
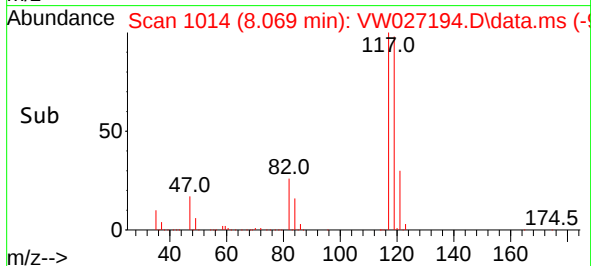
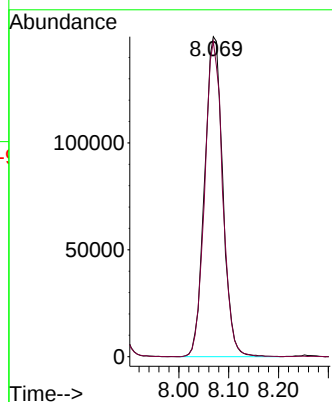
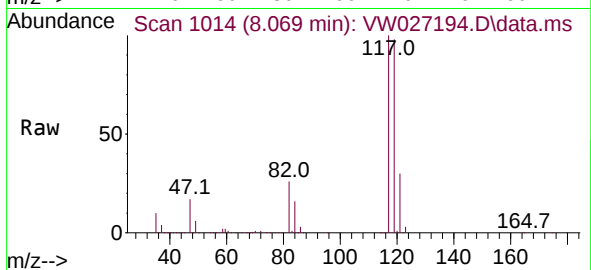
ClientSampleId :

Tgt Ion:117 Resp: 379197

Ion Ratio Lower Upper

117 100

119 96.8 77.0 115.6



#33

Benzene

Concen: 24.976 ug/L

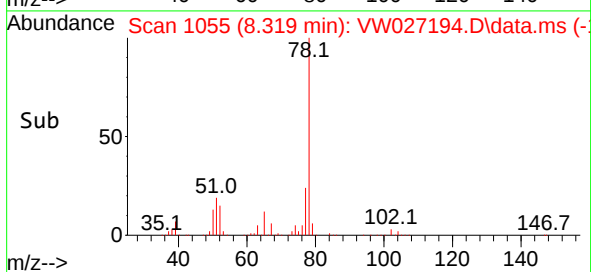
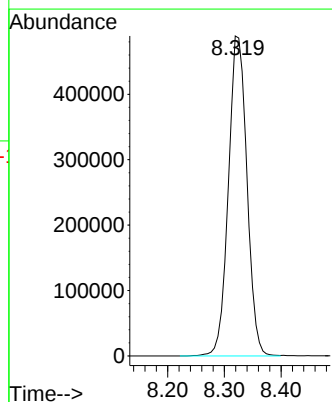
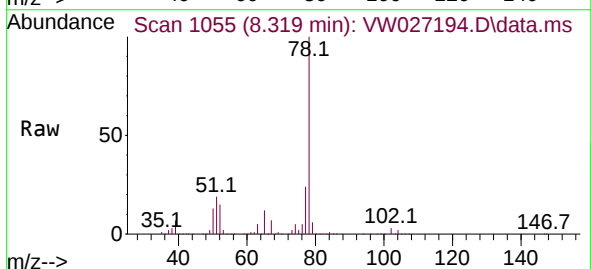
RT: 8.319 min Scan# 1055

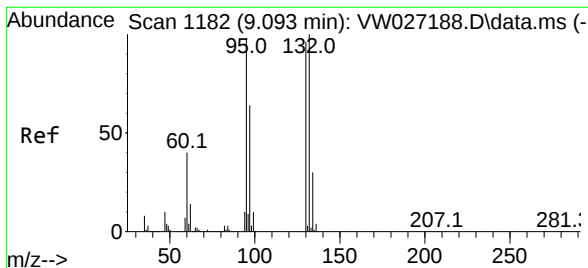
Delta R.T. -0.006 min

Lab File: VW027194.D

Acq: 03 Oct 2023 09:53

Tgt Ion: 78 Resp: 1110478





#34

Trichloroethene

Concen: 24.631 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

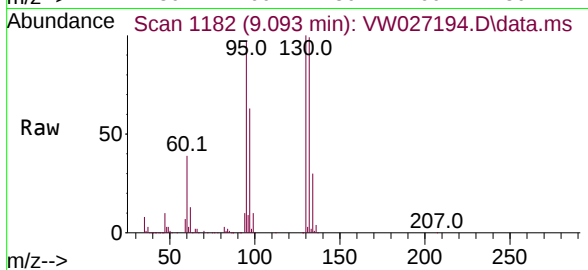
Lab File: VW027194.D

Acq: 03 Oct 2023 09:53

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 95 Resp: 285979

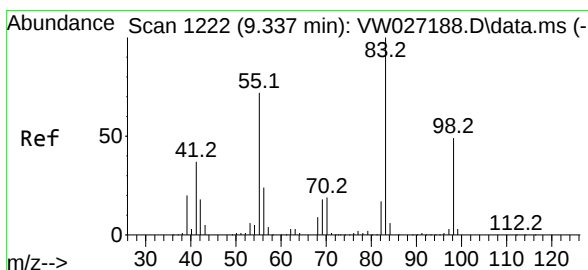
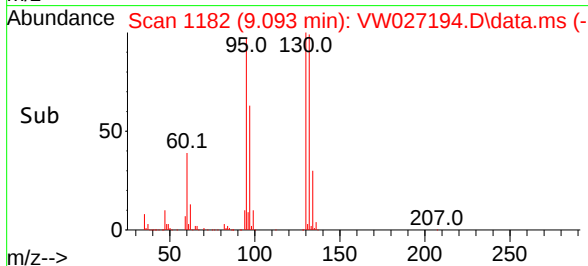
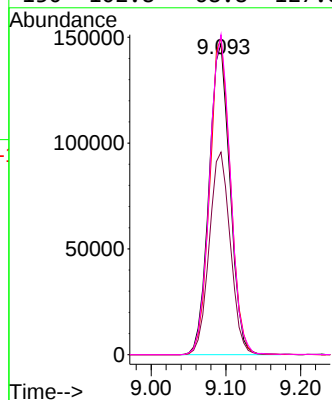
Ion Ratio Lower Upper

95 100

97 65.1 46.1 85.7

132 101.8 71.5 132.9

130 102.8 68.8 127.8



#35

Methylcyclohexane

Concen: 25.750 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VW027194.D

Acq: 03 Oct 2023 09:53

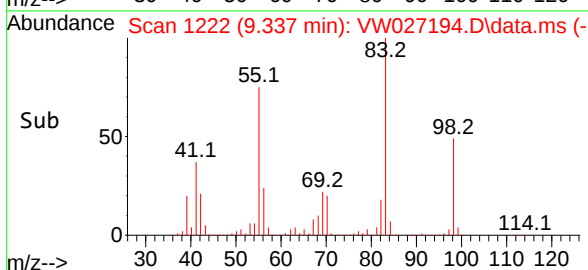
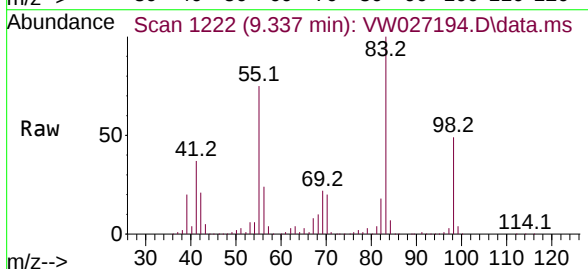
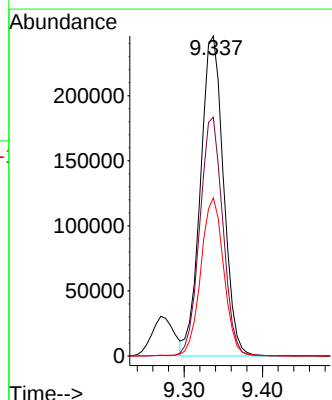
Tgt Ion: 83 Resp: 502852

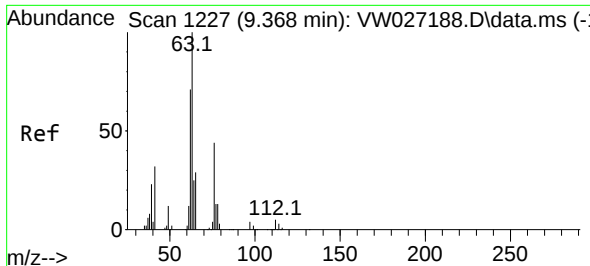
Ion Ratio Lower Upper

83 100

55 74.5 59.1 88.7

98 49.1 38.6 58.0





#37

1,2-Dichloropropane

Concen: 24.363 ug/L

RT: 9.368 min Scan# 1227

Delta R.T. 0.000 min

Lab File: VW027194.D

Acq: 03 Oct 2023 09:53

Instrument :

MSVOA_W

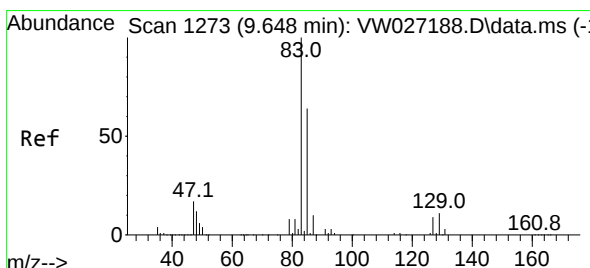
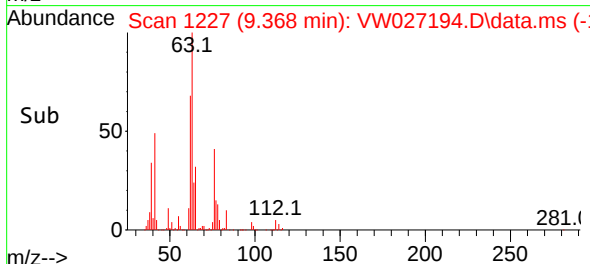
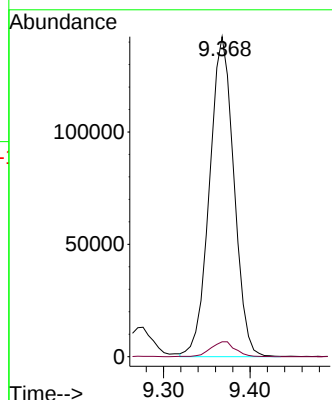
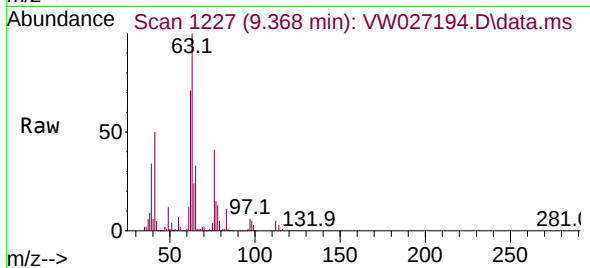
ClientSampleId :

Tgt Ion: 63 Resp: 279104

Ion Ratio Lower Upper

63 100

112 4.7 3.7 5.5



#38

Bromodichloromethane

Concen: 24.864 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.006 min

Lab File: VW027194.D

Acq: 03 Oct 2023 09:53

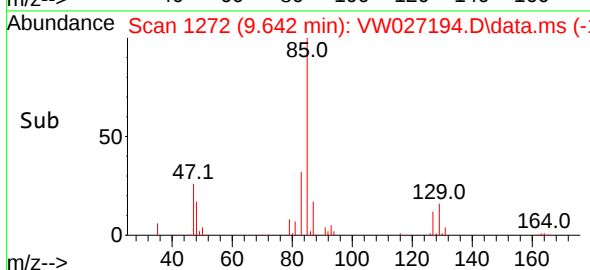
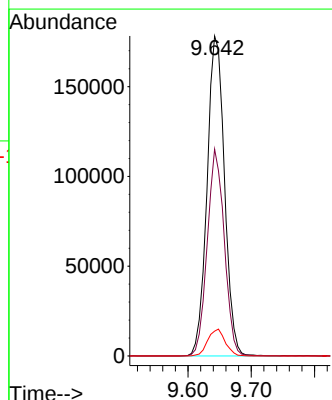
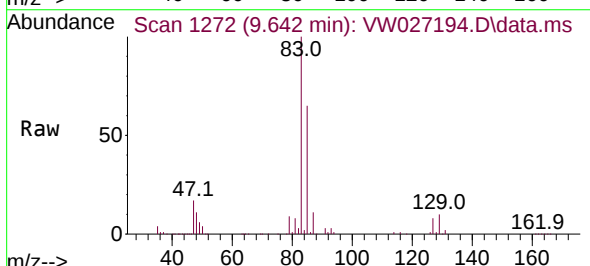
Tgt Ion: 83 Resp: 342114

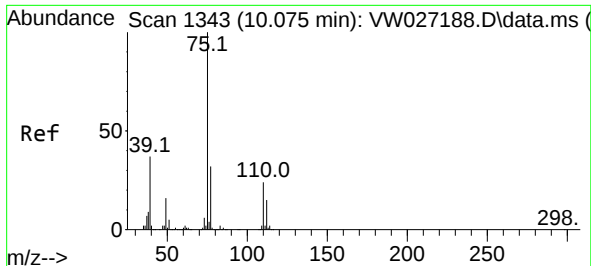
Ion Ratio Lower Upper

83 100

85 64.7 44.7 82.9

127 7.7 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 25.213 ug/L

RT: 10.075 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW027194.D

Acq: 03 Oct 2023 09:53

Instrument :

MSVOA_W

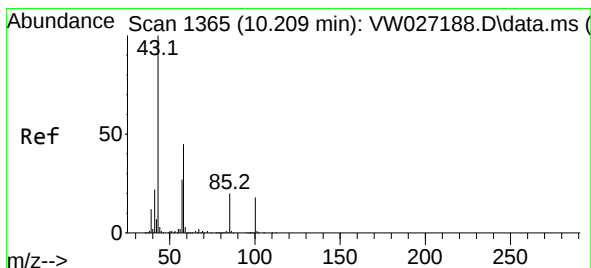
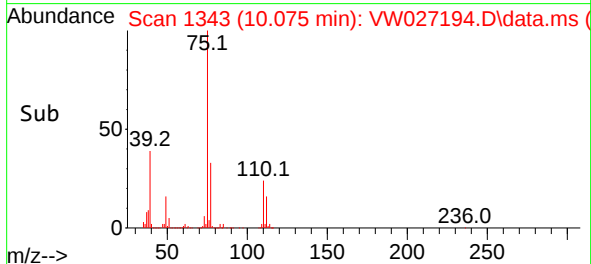
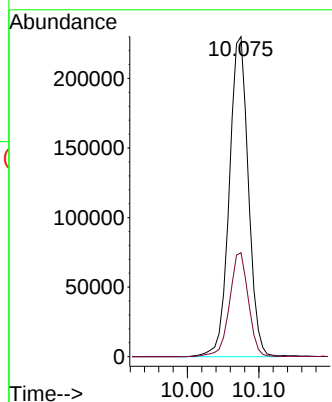
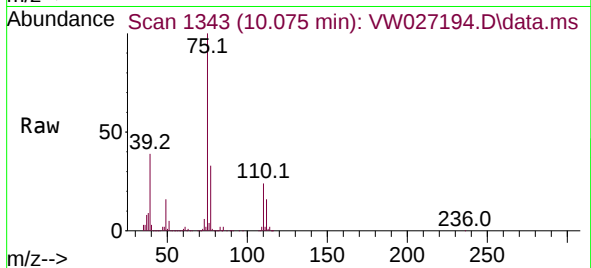
ClientSampleId :

Tgt Ion: 75 Resp: 425595

Ion Ratio Lower Upper

75 100

77 32.5 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 51.375 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW027194.D

Acq: 03 Oct 2023 09:53

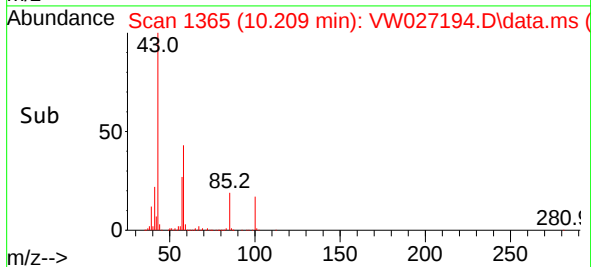
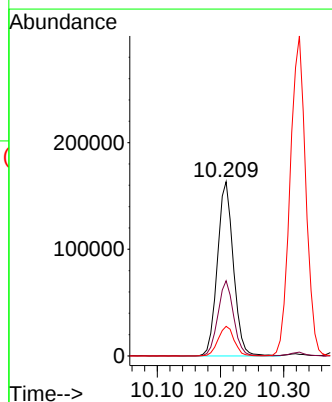
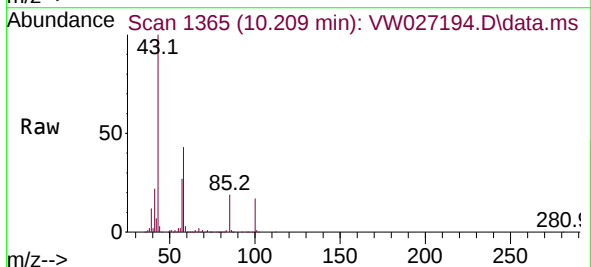
Tgt Ion: 43 Resp: 285533

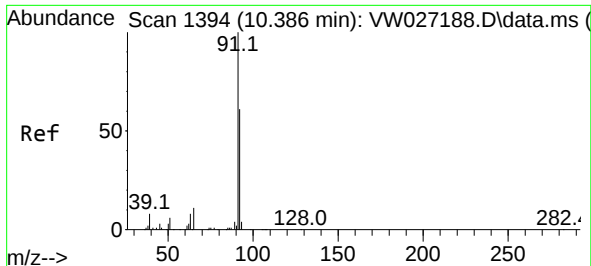
Ion Ratio Lower Upper

43 100

58 42.4 33.8 50.6

100 17.1 13.7 20.5

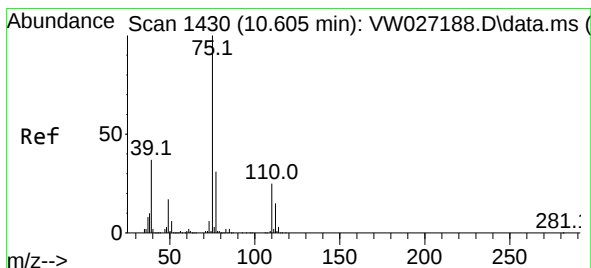
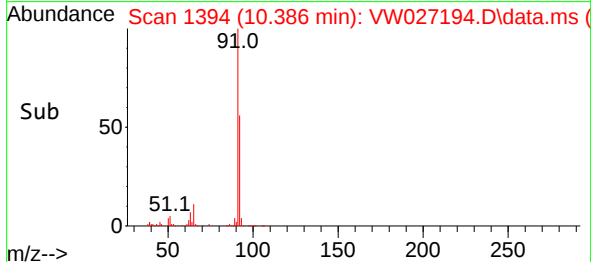
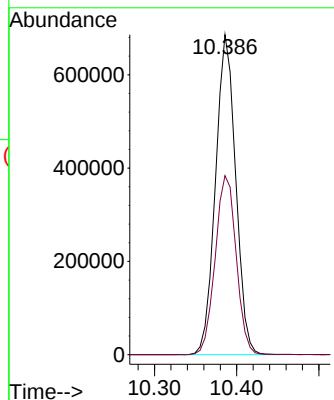
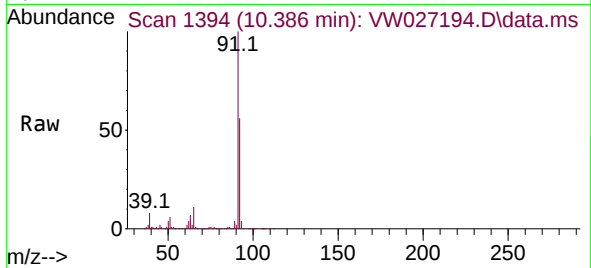




#42
Toluene
Concen: 25.646 ug/L
RT: 10.386 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW027194.D
Acq: 03 Oct 2023 09:53

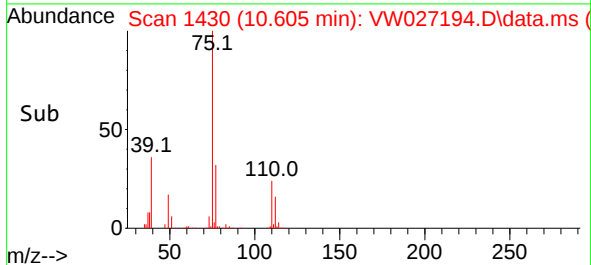
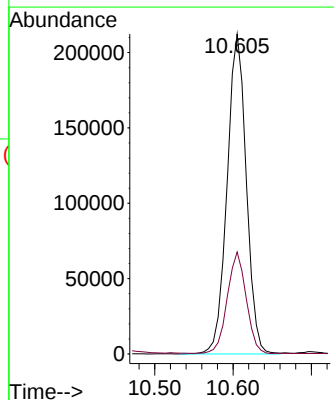
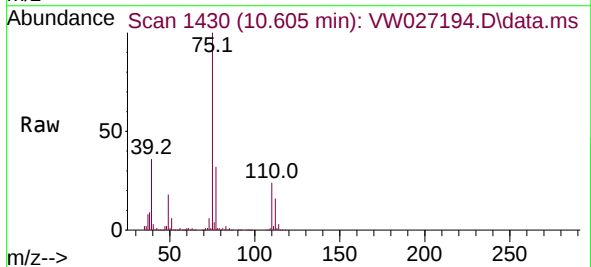
Instrument :
MSVOA_W
ClientSampleId :

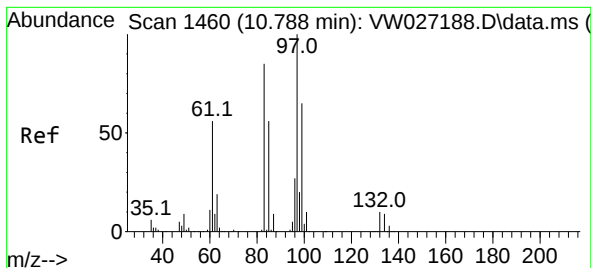
Tgt Ion: 91 Resp: 1170961
Ion Ratio Lower Upper
91 100
92 56.0 42.6 79.2



#44
trans-1,3-Dichloropropene
Concen: 26.143 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW027194.D
Acq: 03 Oct 2023 09:53

Tgt Ion: 75 Resp: 361664
Ion Ratio Lower Upper
75 100
77 31.8 21.6 40.2





#45

1,1,2-Trichloroethane

Concen: 24.563 ug/L

RT: 10.788 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VW027194.D

Acq: 03 Oct 2023 09:53

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 97 Resp: 203636

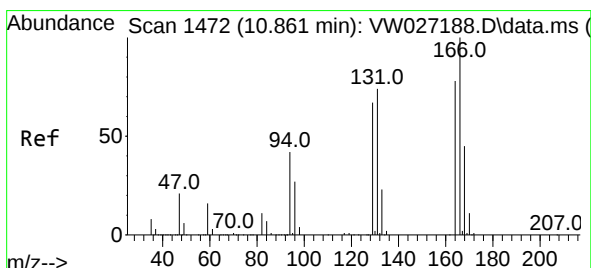
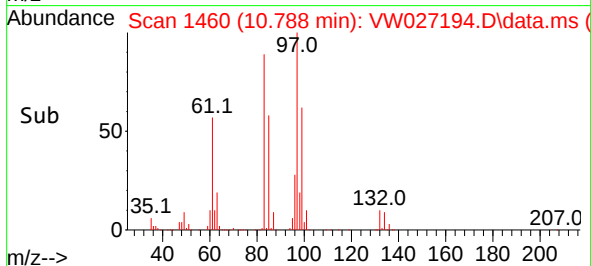
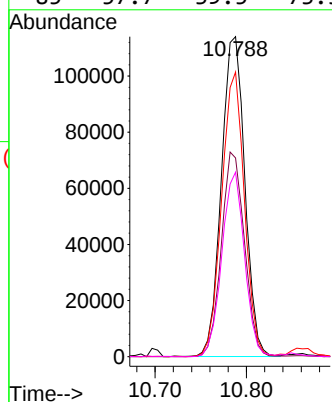
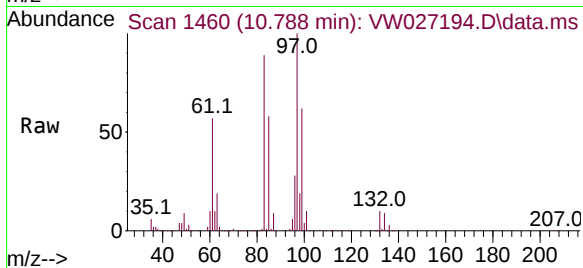
Ion Ratio Lower Upper

97 100

99 62.1 45.3 84.1

83 88.9 59.5 110.5

85 57.7 39.5 73.3



#46

Tetrachloroethene

Concen: 25.189 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VW027194.D

Acq: 03 Oct 2023 09:53

Tgt Ion:164 Resp: 229899

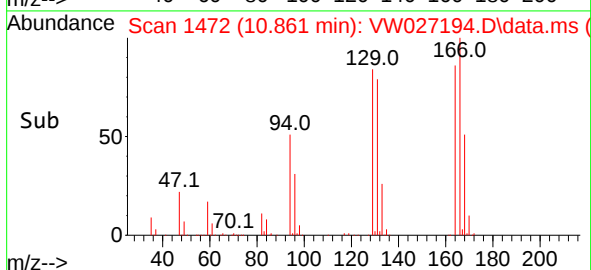
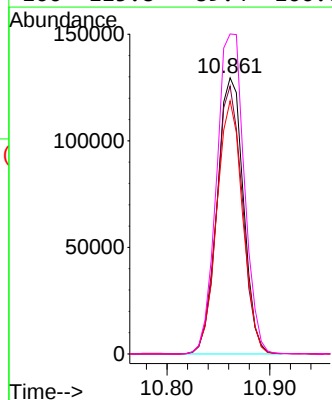
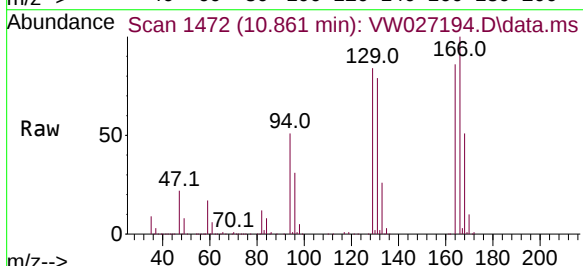
Ion Ratio Lower Upper

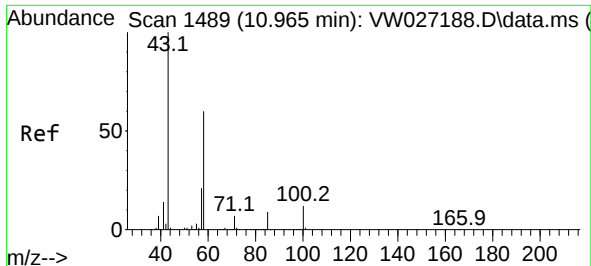
164 100

129 97.0 60.3 112.1

131 91.6 66.1 122.7

166 115.8 89.4 166.0

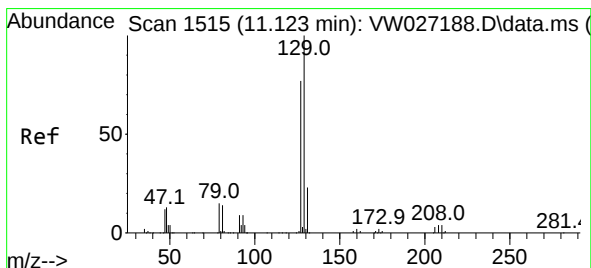
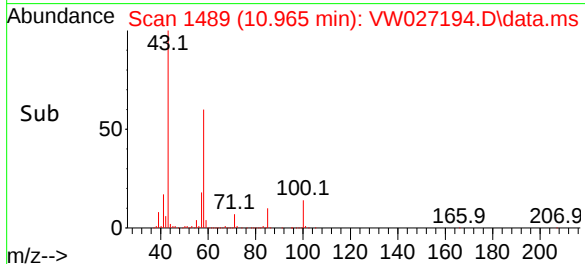
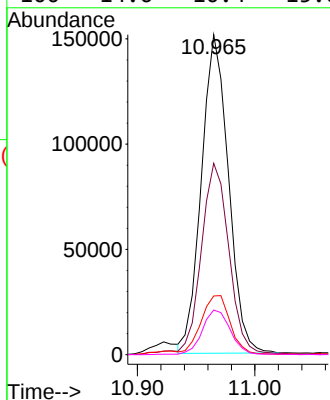
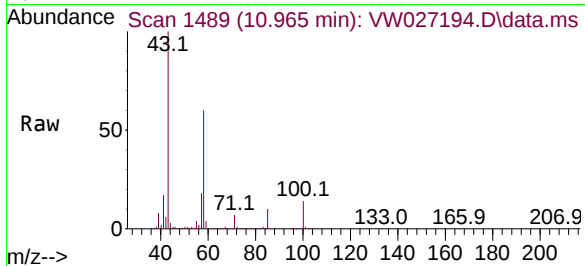




#48
2-Hexanone
Concen: 55.521 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VW027194.D
Acq: 03 Oct 2023 09:53

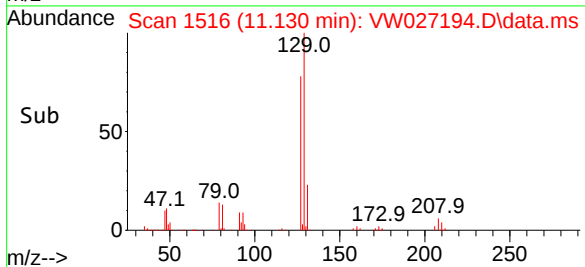
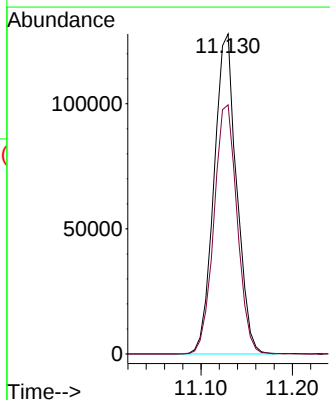
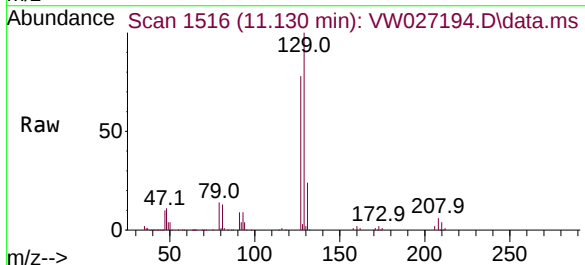
Instrument :
MSVOA_W
ClientSampleId :

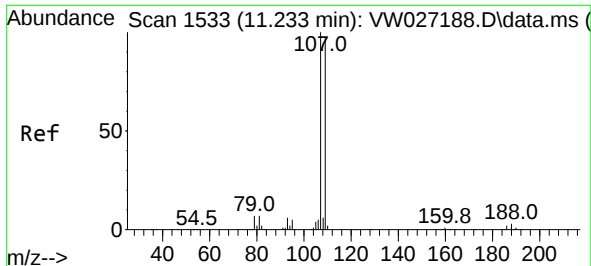
Tgt Ion: 43 Resp: 241910
Ion Ratio Lower Upper
43 100
58 60.6 47.2 70.8
57 20.1 15.9 23.9
100 14.6 10.4 15.6



#49
Dibromochloromethane
Concen: 24.489 ug/L
RT: 11.130 min Scan# 1516
Delta R.T. 0.006 min
Lab File: VW027194.D
Acq: 03 Oct 2023 09:53

Tgt Ion:129 Resp: 220186
Ion Ratio Lower Upper
129 100
127 77.9 54.2 100.6





#50

1,2-Dibromoethane

Concen: 24.595 ug/L

RT: 11.233 min Scan# 1

Delta R.T. 0.000 min

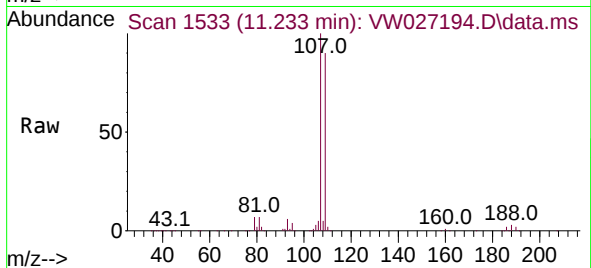
Lab File: VW027194.D

Acq: 03 Oct 2023 09:53

Instrument :

MSVOA_W

ClientSampleId :



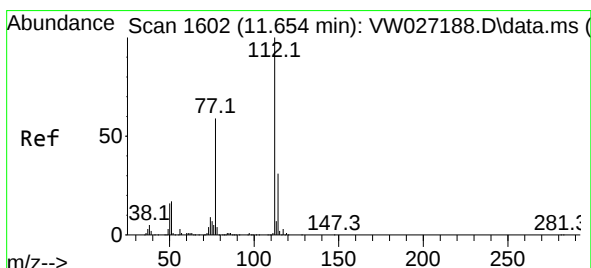
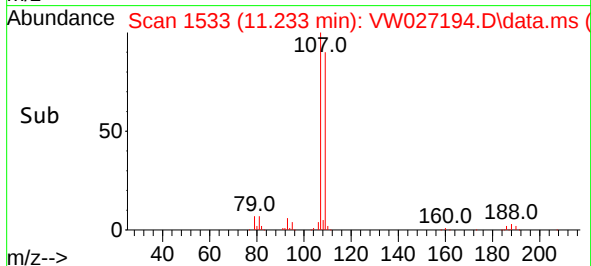
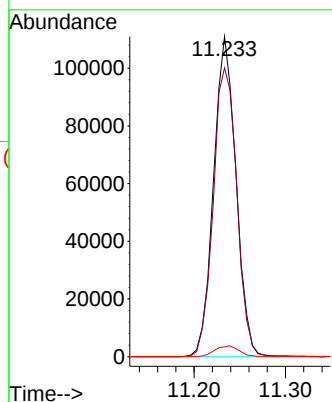
Tgt Ion:107 Resp: 189210

Ion Ratio Lower Upper

107 100

109 90.3 68.2 126.6

188 3.1 2.6 4.0



#51

Chlorobenzene

Concen: 24.626 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VW027194.D

Acq: 03 Oct 2023 09:53

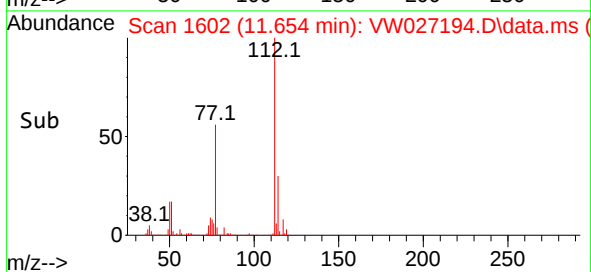
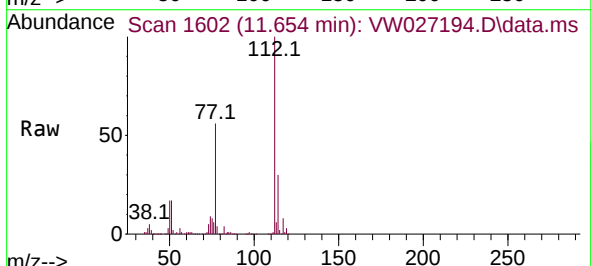
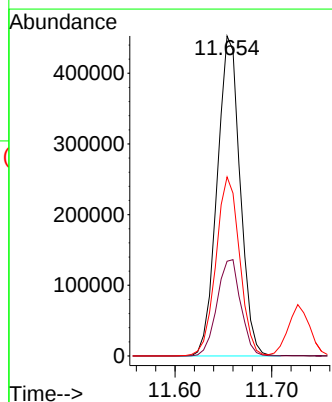
Tgt Ion:112 Resp: 746143

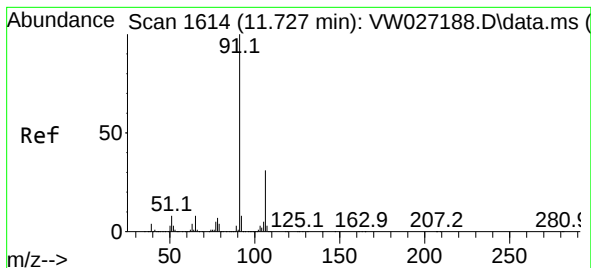
Ion Ratio Lower Upper

112 100

114 29.6 21.9 40.7

77 55.9 47.4 71.0

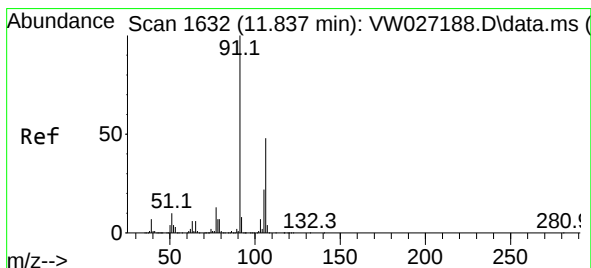
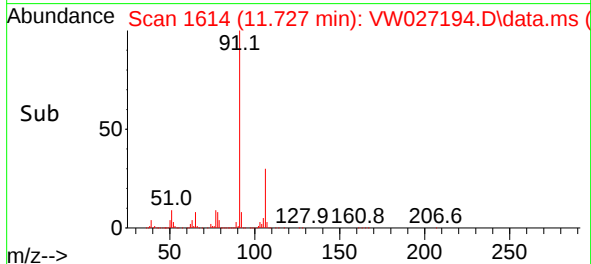
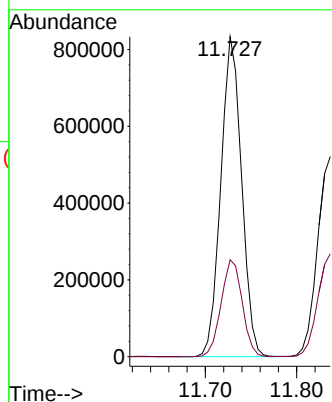
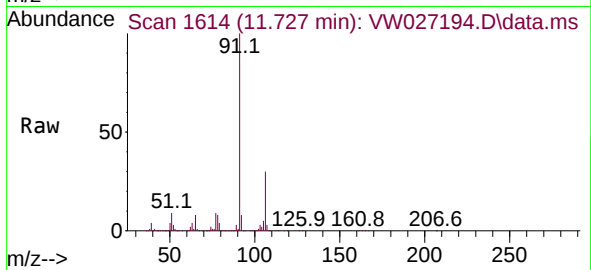




#52
Ethylbenzene
Concen: 25.666 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW027194.D
Acq: 03 Oct 2023 09:53

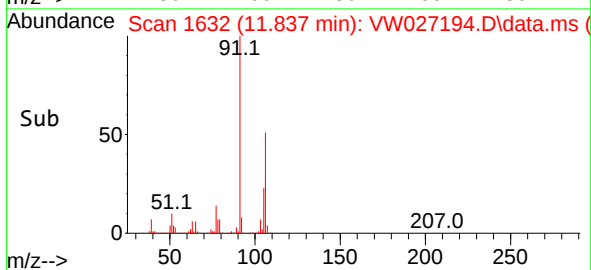
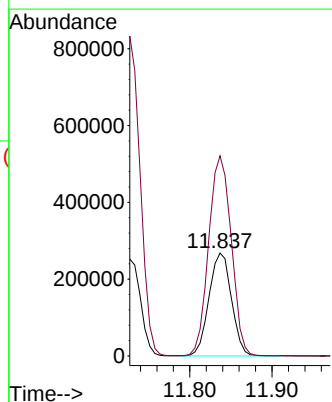
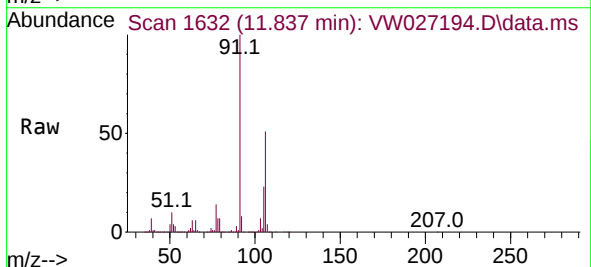
Instrument :
MSVOA_W
ClientSampleId :

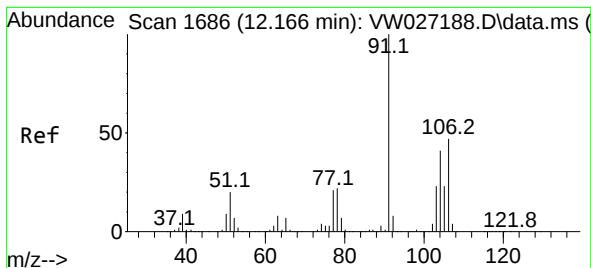
Tgt Ion: 91 Resp: 1316513
Ion Ratio Lower Upper
91 100
106 30.3 21.8 40.6



#53
m,p-Xylene
Concen: 25.845 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW027194.D
Acq: 03 Oct 2023 09:53

Tgt Ion:106 Resp: 508333
Ion Ratio Lower Upper
106 100
91 194.4 145.9 270.9





#54

o-Xylene

Concen: 25.631 ug/L

RT: 12.166 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW027194.D

Acq: 03 Oct 2023 09:53

Instrument :

MSVOA_W

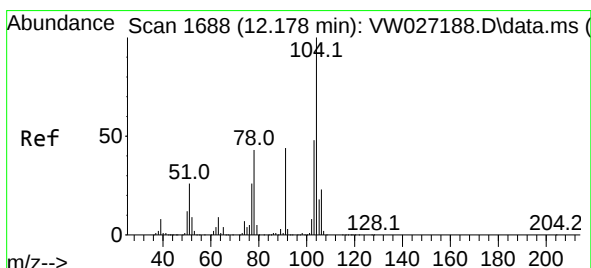
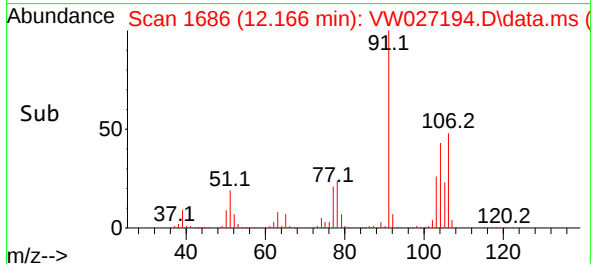
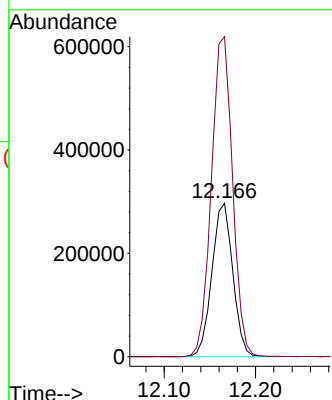
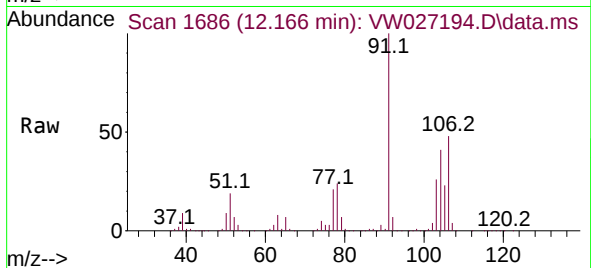
ClientSampleId :

Tgt Ion:106 Resp: 470928

Ion Ratio Lower Upper

106 100

91 208.5 149.5 277.7



#55

Styrene

Concen: 25.577 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW027194.D

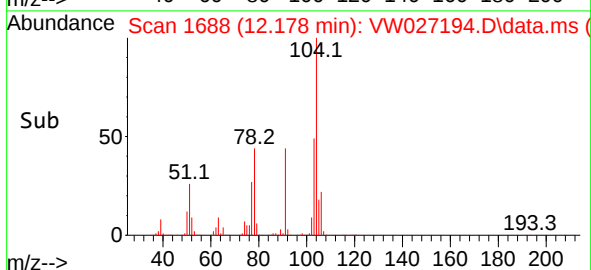
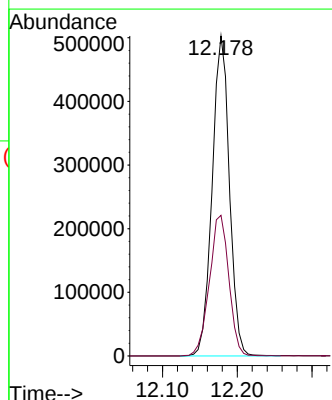
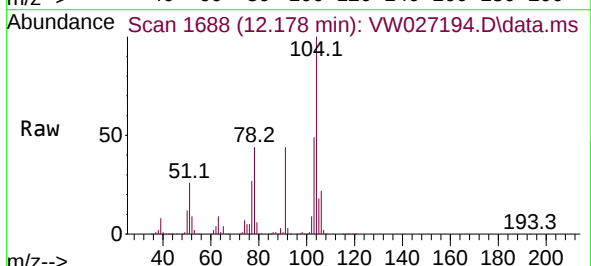
Acq: 03 Oct 2023 09:53

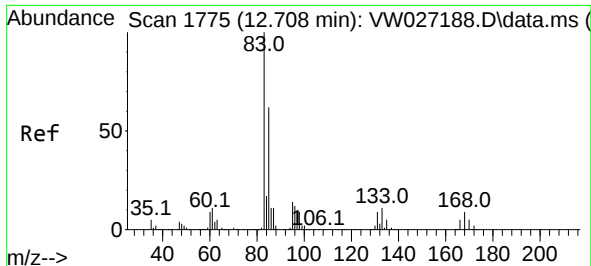
Tgt Ion:104 Resp: 808955

Ion Ratio Lower Upper

104 100

78 43.9 30.1 55.9





#57

1,1,2,2-Tetrachloroethane

Concen: 23.693 ug/L

RT: 12.715 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW027194.D

Acq: 03 Oct 2023 09:53

Instrument :

MSVOA_W

ClientSampleId :

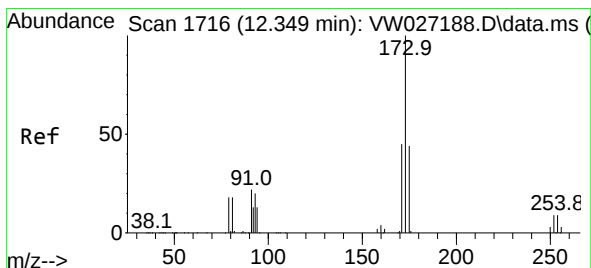
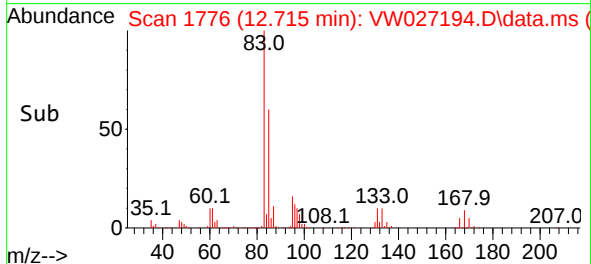
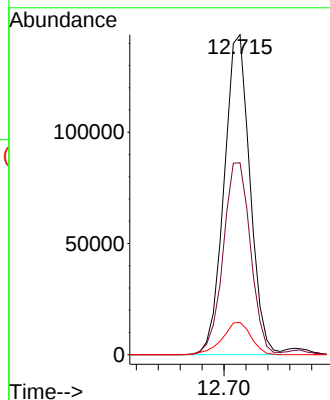
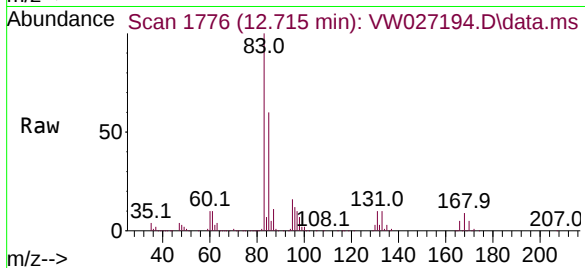
Tgt Ion: 83 Resp: 235608

Ion Ratio Lower Upper

83 100

85 60.0 43.5 80.7

131 10.1 7.6 11.4



#59

Bromoform

Concen: 24.790 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VW027194.D

Acq: 03 Oct 2023 09:53

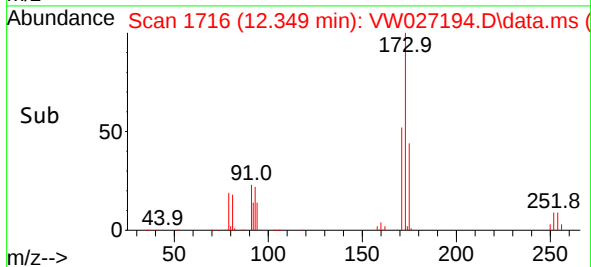
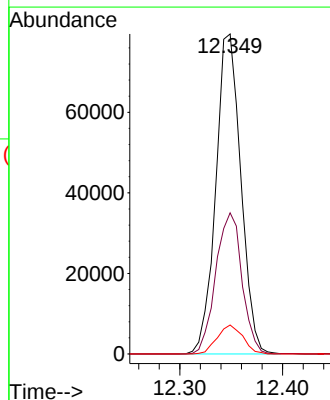
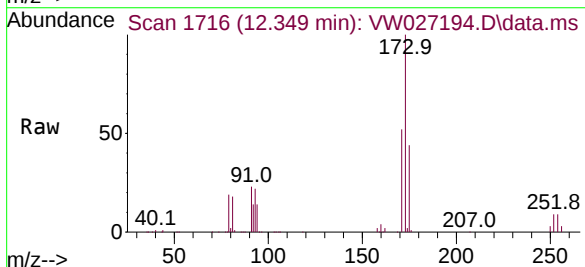
Tgt Ion:173 Resp: 134542

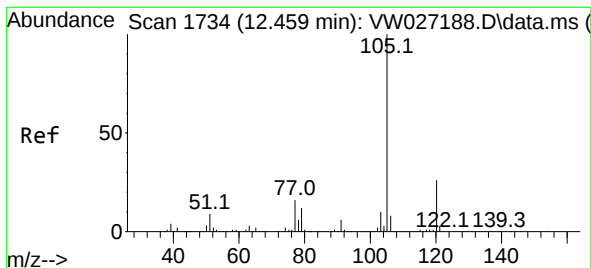
Ion Ratio Lower Upper

173 100

175 46.0 37.1 55.7

254 9.2 7.2 10.8





#60

Isopropylbenzene

Concen: 25.347 ug/L

RT: 12.459 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW027194.D

Acq: 03 Oct 2023 09:53

Instrument :

MSVOA_W

ClientSampleId :

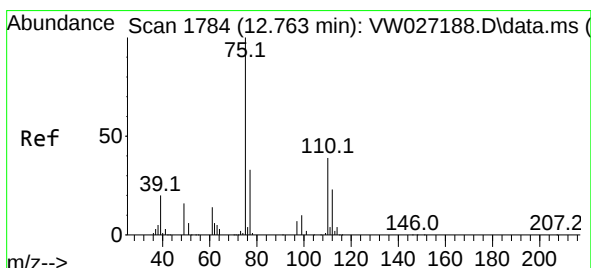
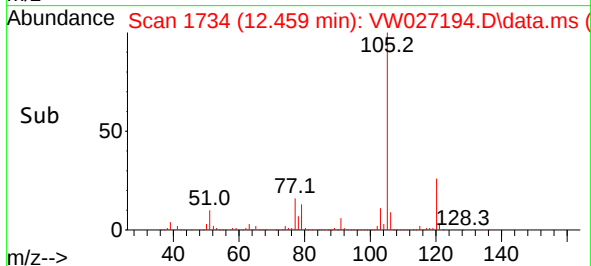
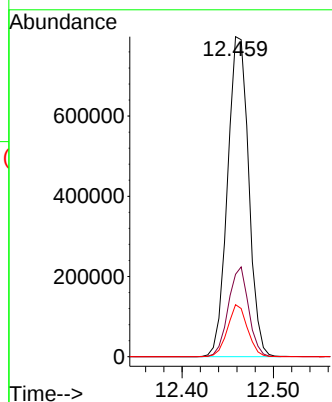
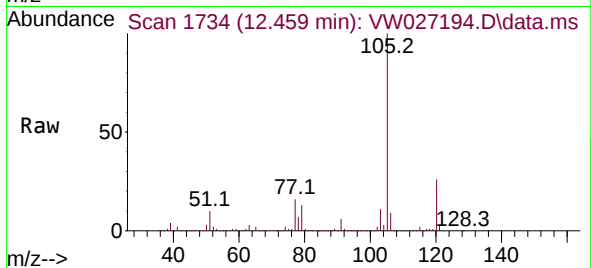
Tgt Ion:105 Resp: 1282780

Ion Ratio Lower Upper

105 100

120 26.8 21.0 31.6

77 15.3 12.5 18.7



#61

1,2,3-Trichloropropane

Concen: 23.351 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VW027194.D

Acq: 03 Oct 2023 09:53

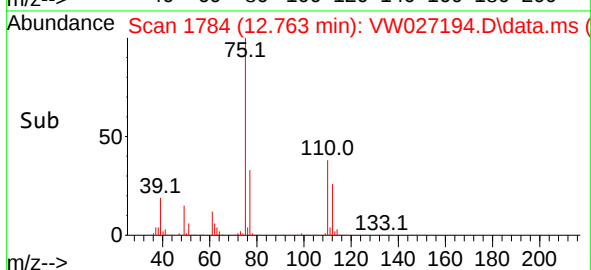
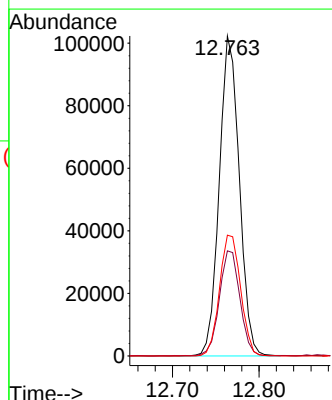
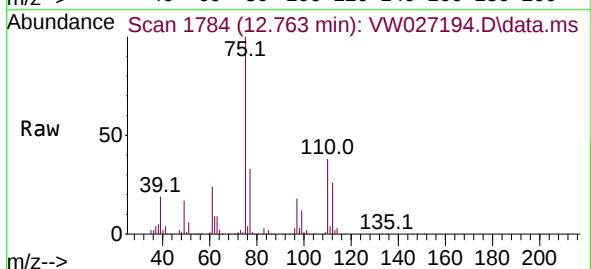
Tgt Ion: 75 Resp: 164309

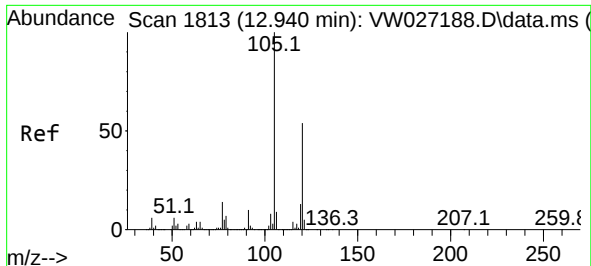
Ion Ratio Lower Upper

75 100

77 33.5 26.2 39.2

110 39.7 31.2 46.8





#62

1,3,5-Trimethylbenzene

Concen: 26.889 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW027194.D

Acq: 03 Oct 2023 09:53

Instrument :

MSVOA_W

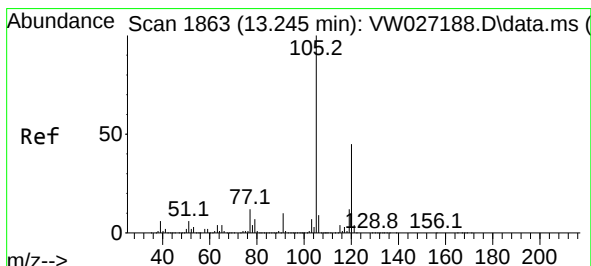
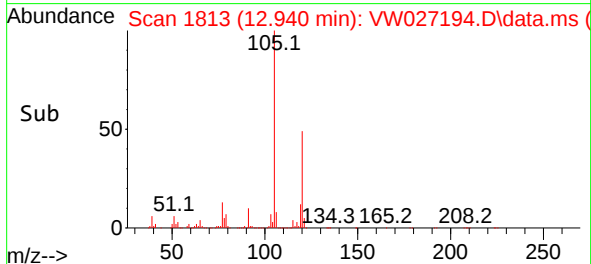
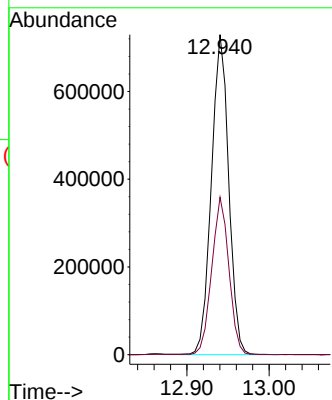
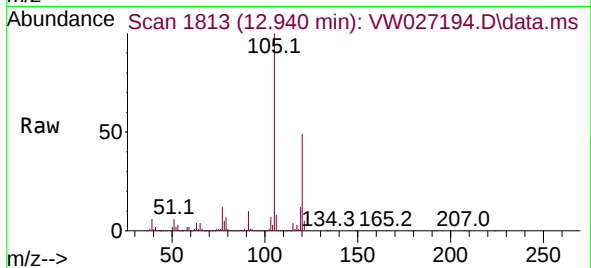
ClientSampleId :

Tgt Ion:105 Resp: 1066949

Ion Ratio Lower Upper

105 100

120 48.8 40.8 61.2



#63

1,2,4-Trimethylbenzene

Concen: 26.439 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. 0.000 min

Lab File: VW027194.D

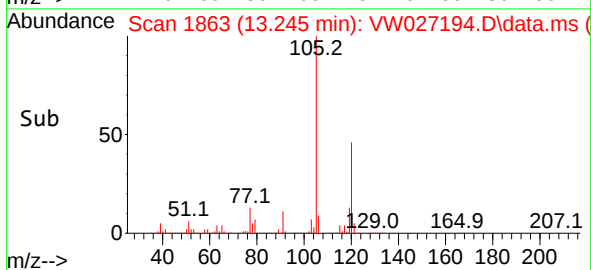
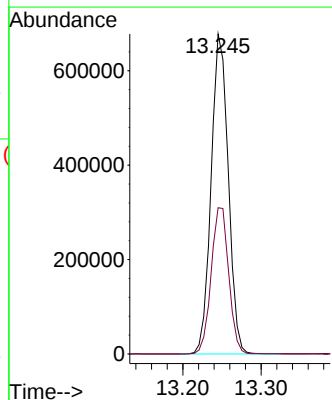
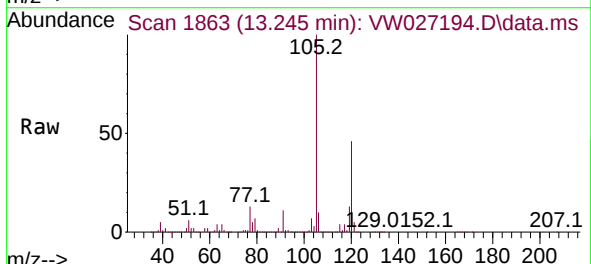
Acq: 03 Oct 2023 09:53

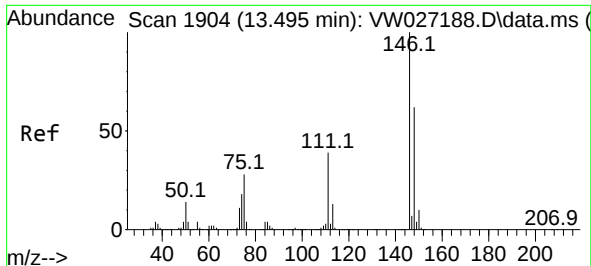
Tgt Ion:105 Resp: 1028085

Ion Ratio Lower Upper

105 100

120 46.9 36.8 55.2

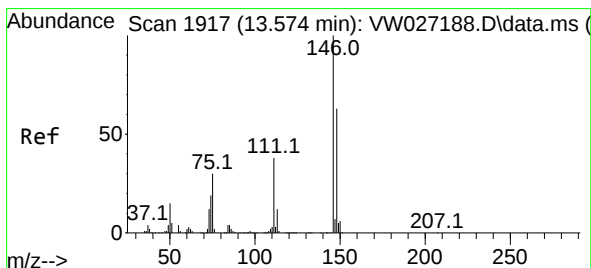
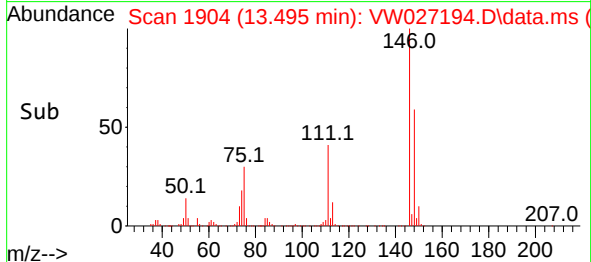
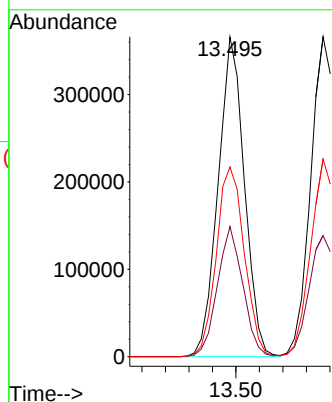
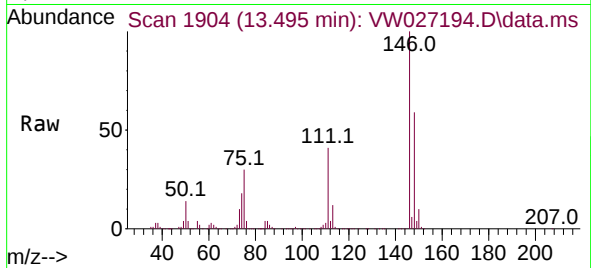




#64
1,3-Dichlorobenzene
Concen: 24.381 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW027194.D
Acq: 03 Oct 2023 09:53

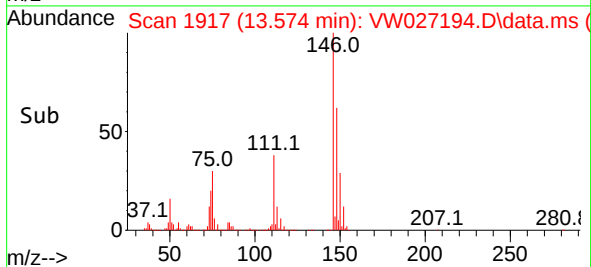
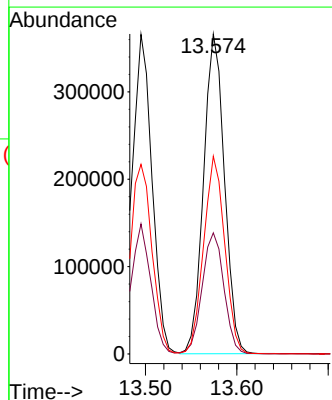
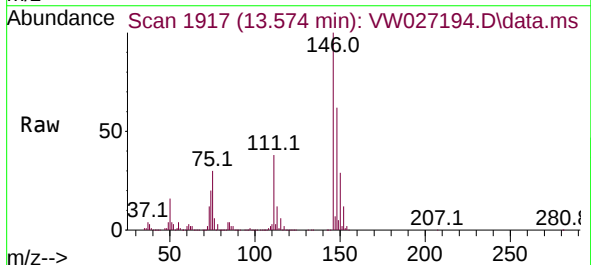
Instrument :
MSVOA_W
ClientSampleId :

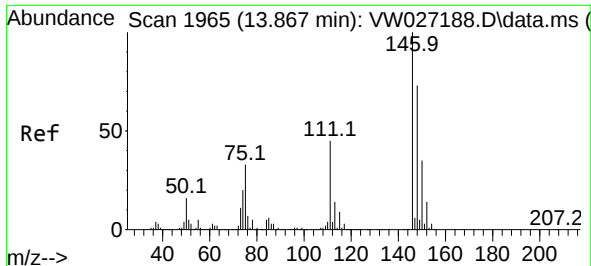
Tgt Ion:146 Resp: 569501
Ion Ratio Lower Upper
146 100
111 40.7 26.9 50.1
148 59.3 43.3 80.5



#65
1,4-Dichlorobenzene
Concen: 24.729 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW027194.D
Acq: 03 Oct 2023 09:53

Tgt Ion:146 Resp: 580316
Ion Ratio Lower Upper
146 100
111 37.9 26.9 50.1
148 61.8 43.9 81.5





#67

1,2-Dichlorobenzene

Concen: 25.009 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW027194.D

Acq: 03 Oct 2023 09:53

Instrument :

MSVOA_W

ClientSampleId :

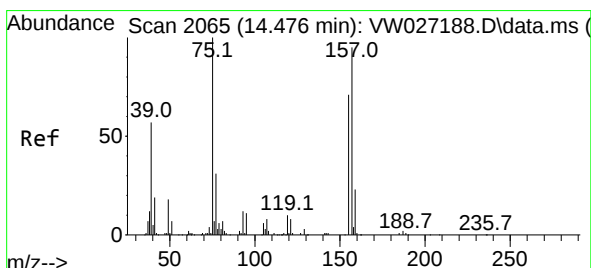
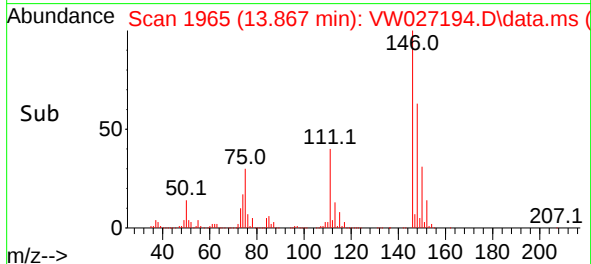
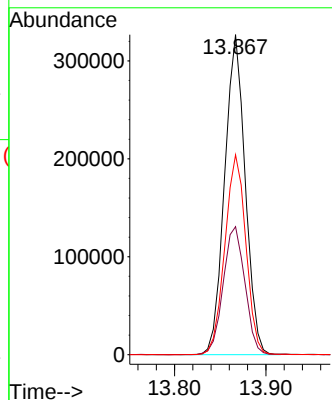
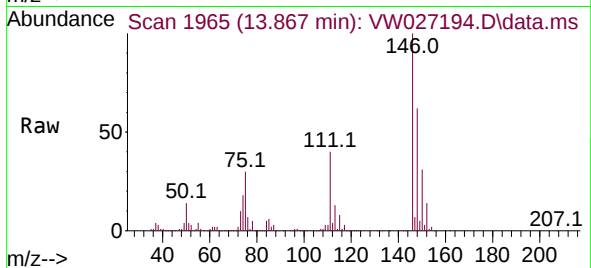
Tgt Ion:146 Resp: 512025

Ion Ratio Lower Upper

146 100

111 40.0 35.6 53.4

148 62.4 58.4 87.6



#68

1,2-Dibromo-3-chloropropane

Concen: 22.857 ug/L

RT: 14.477 min Scan# 2065

Delta R.T. 0.000 min

Lab File: VW027194.D

Acq: 03 Oct 2023 09:53

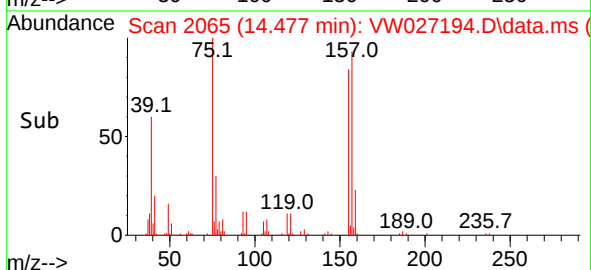
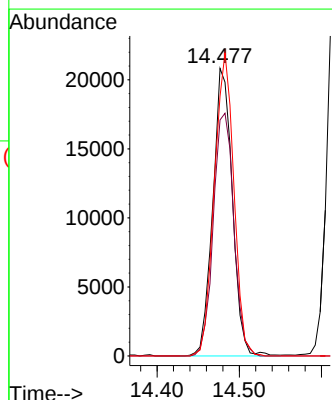
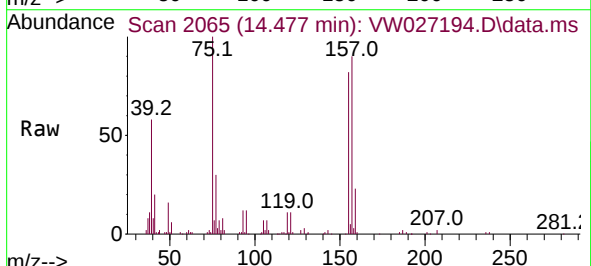
Tgt Ion: 75 Resp: 34450

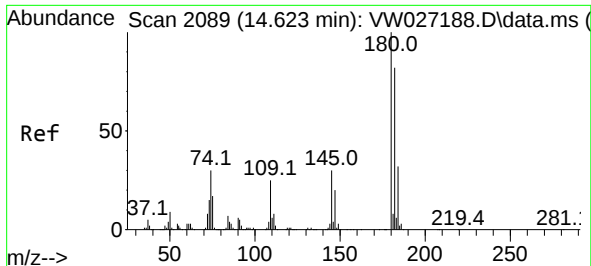
Ion Ratio Lower Upper

75 100

155 82.1 56.5 84.7

157 90.3 75.9 113.9





#69

1,3,5-Trichlorobenzene

Concen: 25.810 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

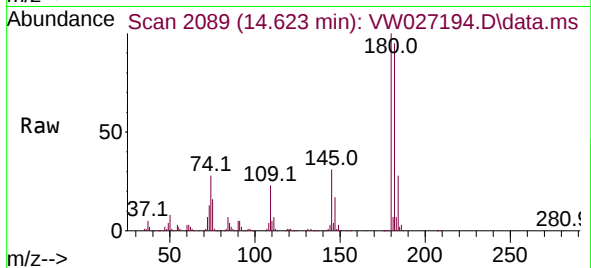
Lab File: VW027194.D

Acq: 03 Oct 2023 09:53

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:180 Resp: 388204

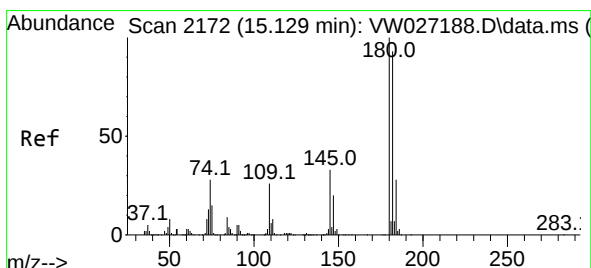
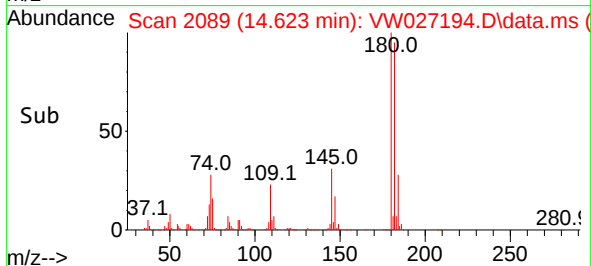
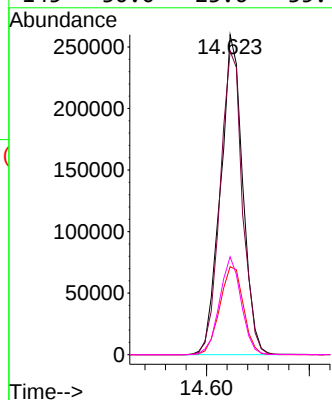
Ion Ratio Lower Upper

180 100

182 95.6 70.2 105.2

184 29.3 24.6 37.0

145 30.0 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 25.632 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW027194.D

Acq: 03 Oct 2023 09:53

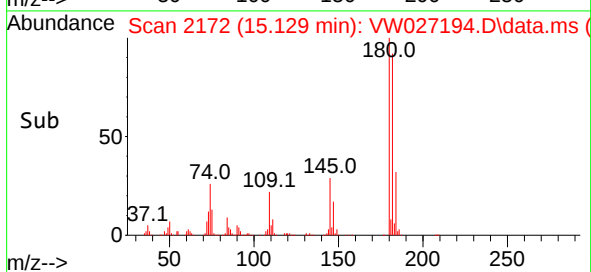
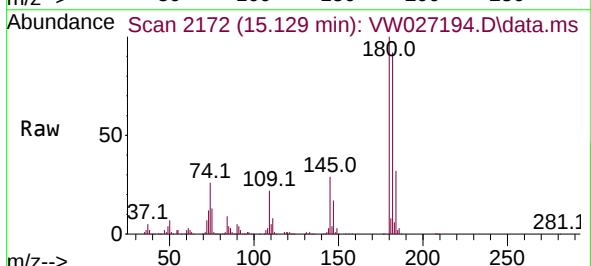
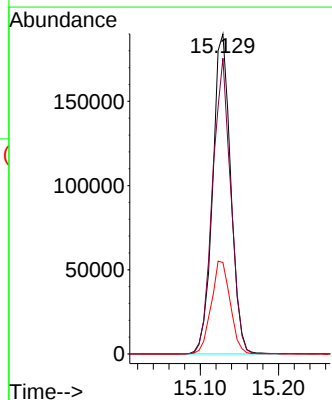
Tgt Ion:180 Resp: 304164

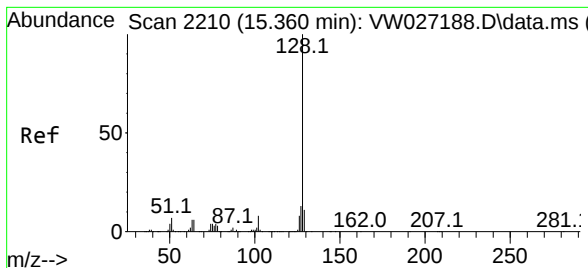
Ion Ratio Lower Upper

180 100

182 93.2 77.4 116.2

145 30.4 24.3 36.5





#71

Naphthalene

Concen: 25.571 ug/L

RT: 15.360 min Scan# 21

Delta R.T. 0.000 min

Lab File: VW027194.D

Acq: 03 Oct 2023 09:53

Instrument :

MSVOA_W

ClientSampleId :

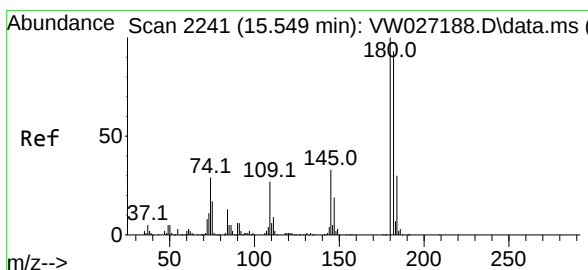
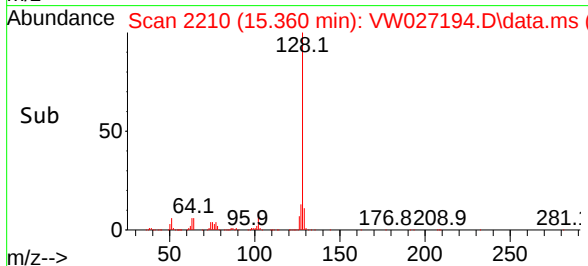
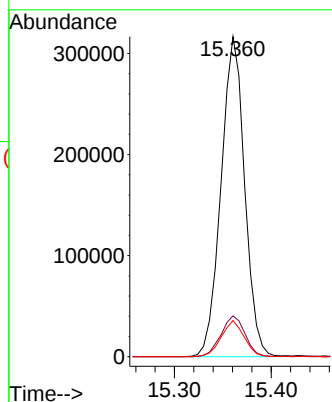
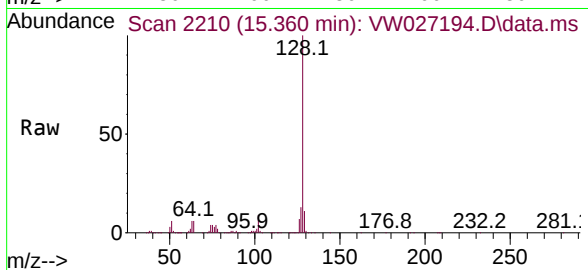
Tgt Ion:128 Resp: 535385

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 11.0 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 25.370 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VW027194.D

Acq: 03 Oct 2023 09:53

Tgt Ion:180 Resp: 267239

Ion Ratio Lower Upper

180 100

182 94.7 74.7 112.1

145 31.8 26.4 39.6

