

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092723\
 Data File : VW027187.D
 Acq On : 27 Sep 2023 10:55
 Operator : SY/MD
 Sample : VSTD005
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 27 23:08:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092723SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Sep 27 23:07:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	602073	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	588504	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	315726	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.375	65	54542	5.767	ug/L	0.00
7) Chloroethane-d5	3.039	69	342	0.046	ug/L	0.14
11) 1,1-Dichloroethene-d2	4.021	65	21616	5.500	ug/L	0.00
21) 2-Butanone-d5	7.088	46	19369	9.776	ug/L	0.01
24) Chloroform-d	7.648	84	97517	5.534	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.307	65	48303	5.720	ug/L	0.00
32) Benzene-d6	8.276	84	200240	5.552	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.270	67	59834	5.541	ug/L	0.00
41) Toluene-d8	10.325	98	170302	5.351	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.581	79	22544	5.320	ug/L	0.00
47) 2-Hexanone-d5	10.928	63	15264	9.241	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.690	84	45668	5.526	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.849	152	59378	5.609	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.137	85	1350	0.160	ug/L	93
3) Chloromethane	2.229	50	55017	5.210	ug/L	98
5) Vinyl chloride	2.375	62	59640	5.173	ug/L	99
6) Bromomethane	2.790	94	39058	5.142	ug/L	97
8) Chloroethane	2.930	64	36896	5.273	ug/L	95
9) Trichlorofluoromethane	3.265	101	47218	4.873	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.082	101	47595	4.780	ug/L #	76
12) 1,1-Dichloroethene	4.052	96	45917	4.930	ug/L	94
13) Acetone	4.125	43	18718	7.746	ug/L	96
14) Carbon disulfide	4.393	76	161604	5.169	ug/L	98
15) Methyl Acetate	4.673	43	19161	4.731	ug/L	99
16) Methylene chloride	4.917	84	64157	5.443	ug/L	98
17) trans-1,2-Dichloroethene	5.429	96	50376	5.027	ug/L	96
18) Methyl tert-butyl Ether	5.423	73	57566	4.590	ug/L	99
19) 1,1-Dichloroethane	6.216	63	94888	5.077	ug/L	96
20) cis-1,2-Dichloroethene	7.173	96	50957	4.770	ug/L	92
22) 2-Butanone	7.179	43	20390	6.939	ug/L	95
23) Bromochloromethane	7.520	128	24765	5.080	ug/L	94
25) Chloroform	7.679	83	92515	5.075	ug/L	99
27) 1,2-Dichloroethane	8.398	62	56558	5.065	ug/L	100
29) Cyclohexane	7.959	56	72663	4.641	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	74243	5.075	ug/L	99
31) Carbon tetrachloride	8.075	117	69597	5.037	ug/L	99
33) Benzene	8.325	78	208209	5.006	ug/L	100
34) Trichloroethene	9.093	95	53908	4.963	ug/L	98
35) Methylcyclohexane	9.331	83	86516	4.736	ug/L	96
37) 1,2-Dichloropropane	9.368	63	54868	5.117	ug/L #	97
38) Bromodichloromethane	9.642	83	64764	5.031	ug/L	98
39) cis-1,3-Dichloropropene	10.075	75	72165	4.570	ug/L	98
40) 4-Methyl-2-pentanone	10.209	43	45374	8.727	ug/L	98
42) Toluene	10.386	91	209384	4.902	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	60102	4.644	ug/L	95

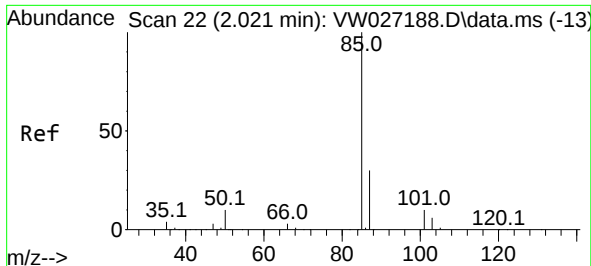
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092723\
 Data File : VW027187.D
 Acq On : 27 Sep 2023 10:55
 Operator : SY/MD
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Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 27 23:08:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092723SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Sep 27 23:07:22 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.788	97	39246	5.060	ug/L	97
46) Tetrachloroethene	10.861	164	43546	5.100	ug/L	91
48) 2-Hexanone	10.971	43	32571	7.990	ug/L	94
49) Dibromochloromethane	11.123	129	40002	4.756	ug/L	99
50) 1,2-Dibromoethane	11.233	107	35623	4.950	ug/L	99
51) Chlorobenzene	11.654	112	144726	5.106	ug/L	97
52) Ethylbenzene	11.727	91	228536	4.762	ug/L	95
53) m,p-Xylene	11.837	106	87356	4.747	ug/L	96
54) o-Xylene	12.166	106	80506	4.684	ug/L	99
55) Styrene	12.178	104	139363	4.710	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.709	83	46024	4.947	ug/L	99
59) Bromoform	12.349	173	23348	4.683	ug/L	95
60) Isopropylbenzene	12.459	105	221963	4.774	ug/L	100
61) 1,2,3-Trichloropropane	12.763	75	31621	4.892	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	162652	4.462	ug/L	98
63) 1,2,4-Trimethylbenzene	13.251	105	159296	4.459	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	110167	5.134	ug/L	99
65) 1,4-Dichlorobenzene	13.574	146	109405	5.075	ug/L	98
67) 1,2-Dichlorobenzene	13.867	146	93176	4.954	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.476	75	6270	4.528	ug/L #	87
69) 1,3,5-Trichlorobenzene	14.623	180	70234	5.083	ug/L	94
70) 1,2,4-trichlorobenzene	15.129	180	52565	4.822	ug/L	97
71) Naphthalene	15.360	128	80329	4.176	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	49173	5.082	ug/L	99

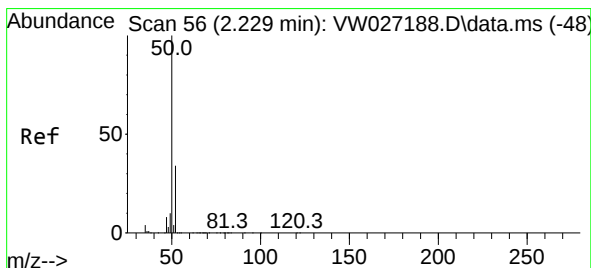
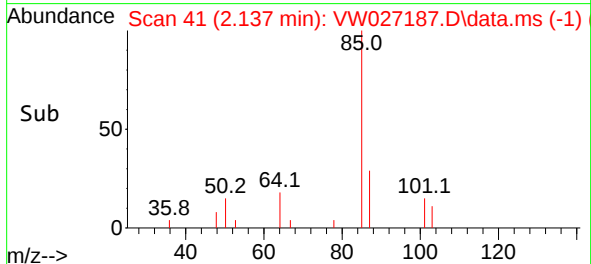
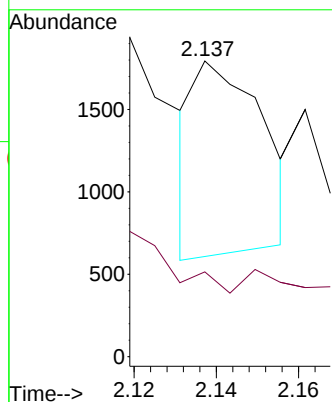
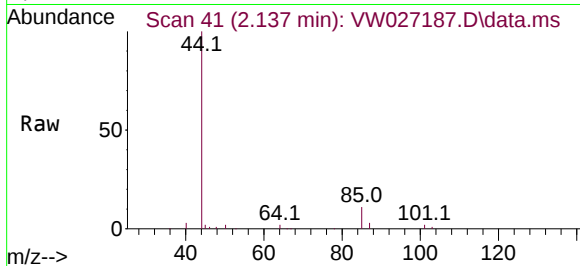
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#2
Dichlorodifluoromethane
Concen: 0.160 ug/L
RT: 2.137 min Scan# 41
Delta R.T. 0.116 min
Lab File: VW027187.D
Acq: 27 Sep 2023 10:55

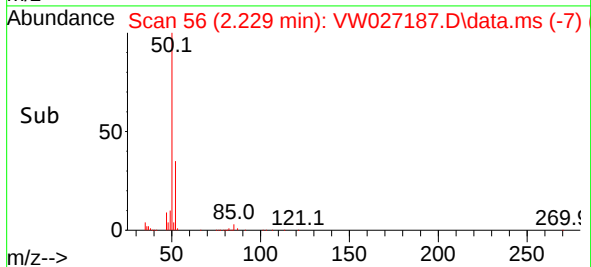
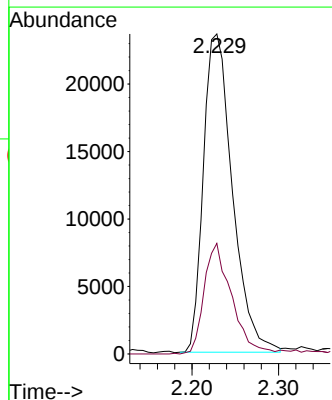
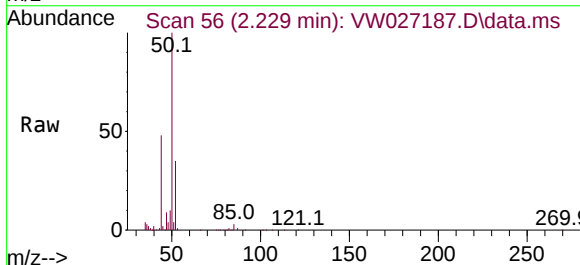
Instrument :
MSVOA_W
ClientSampleId :

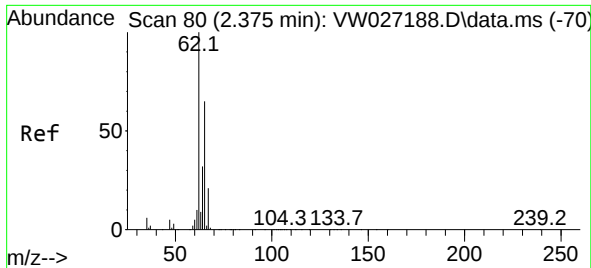
Tgt Ion: 85 Resp: 1350
Ion Ratio Lower Upper
85 100
87 31.1 22.1 33.1



#3
Chloromethane
Concen: 5.210 ug/L
RT: 2.229 min Scan# 56
Delta R.T. 0.000 min
Lab File: VW027187.D
Acq: 27 Sep 2023 10:55

Tgt Ion: 50 Resp: 55017
Ion Ratio Lower Upper
50 100
52 34.6 23.5 43.7

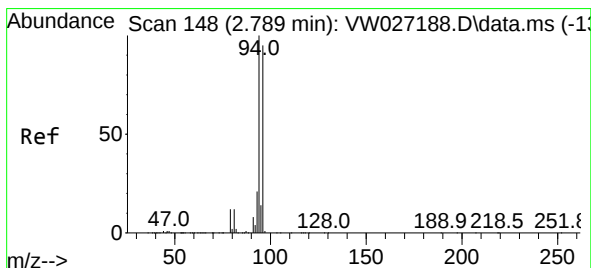
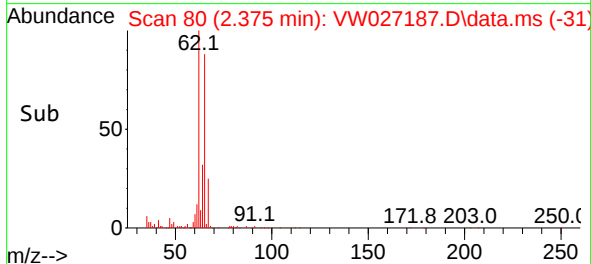
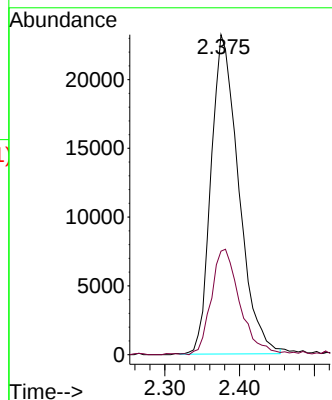
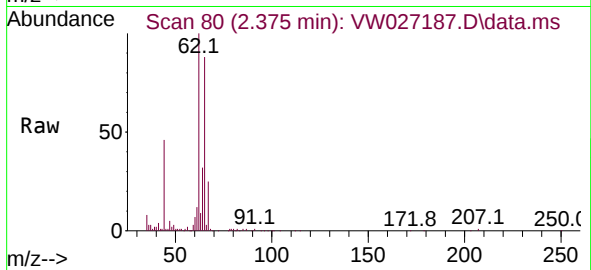




#5
 Vinyl chloride
 Concen: 5.173 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VW027187.D
 Acq: 27 Sep 2023 10:55

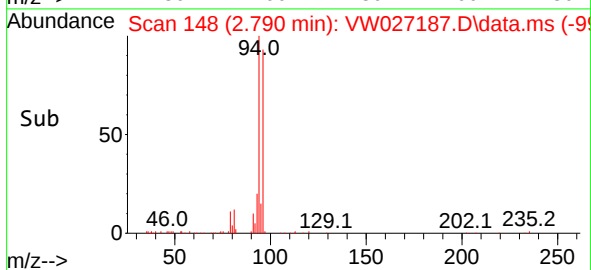
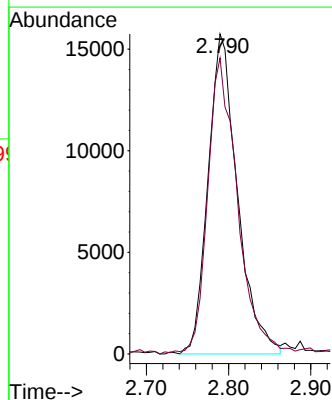
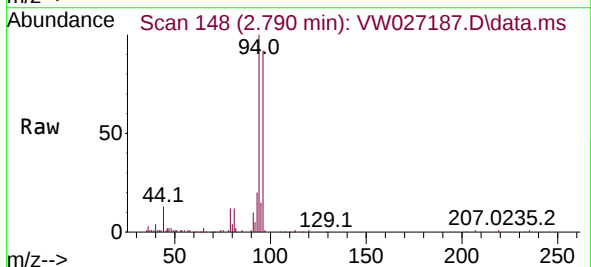
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 ClientSampleId :

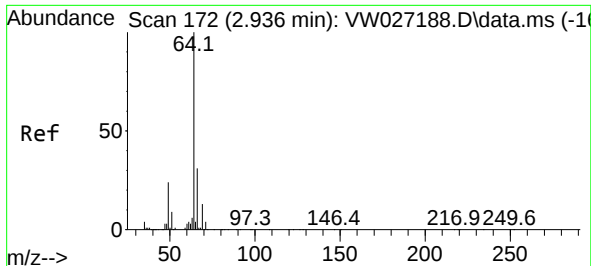
Tgt Ion: 62 Resp: 59640
 Ion Ratio Lower Upper
 62 100
 64 32.3 22.2 41.2



#6
 Bromomethane
 Concen: 5.142 ug/L
 RT: 2.790 min Scan# 148
 Delta R.T. 0.000 min
 Lab File: VW027187.D
 Acq: 27 Sep 2023 10:55

Tgt Ion: 94 Resp: 39058
 Ion Ratio Lower Upper
 94 100
 96 92.5 66.8 124.0





#8

Chloroethane

Concen: 5.273 ug/L

RT: 2.930 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW027187.D

Acq: 27 Sep 2023 10:55

Instrument :

MSVOA_W

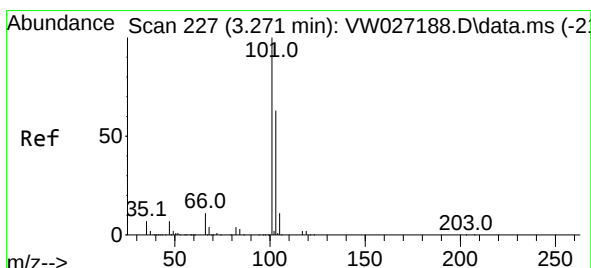
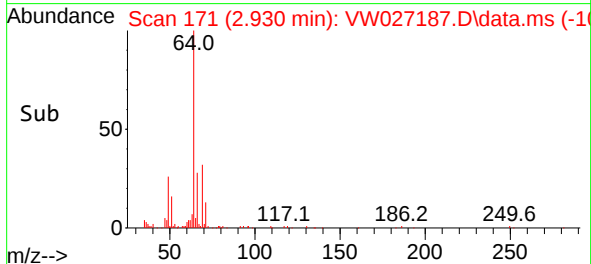
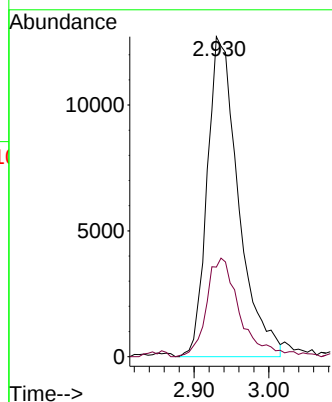
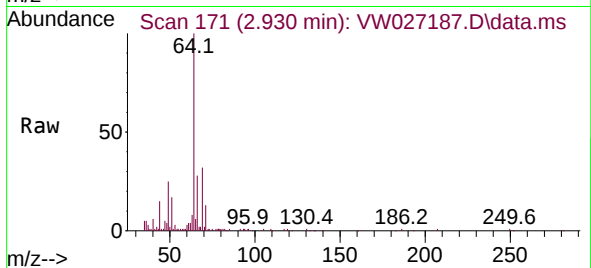
ClientSampleId :

Tgt Ion: 64 Resp: 36896

Ion Ratio Lower Upper

64 100

66 28.0 21.5 39.9



#9

Trichlorofluoromethane

Concen: 4.873 ug/L

RT: 3.265 min Scan# 226

Delta R.T. -0.006 min

Lab File: VW027187.D

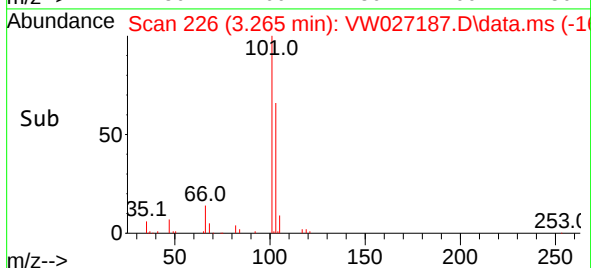
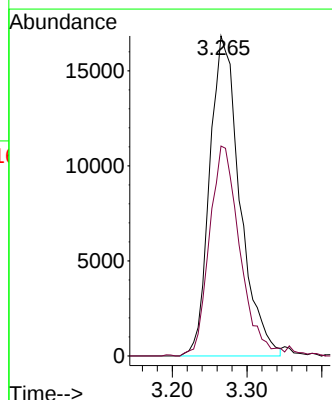
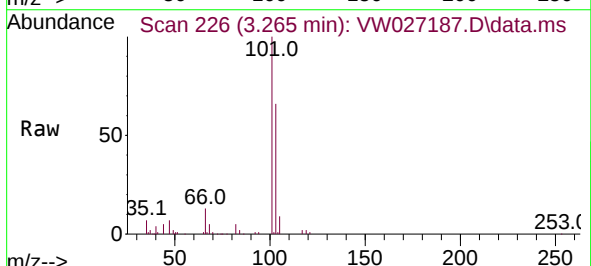
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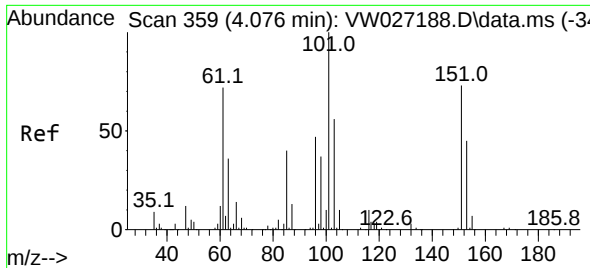
Tgt Ion: 101 Resp: 47218

Ion Ratio Lower Upper

101 100

103 65.3 52.0 78.0

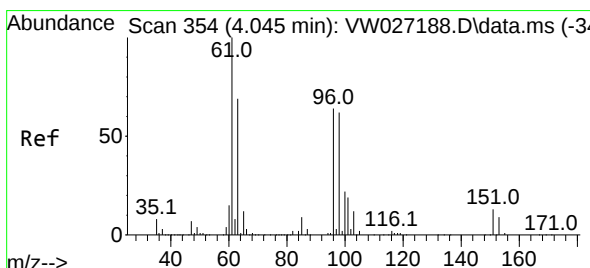
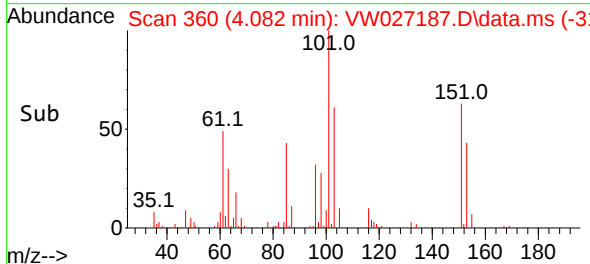
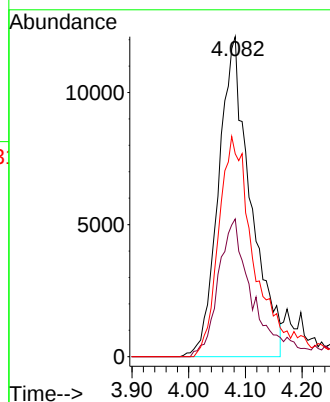
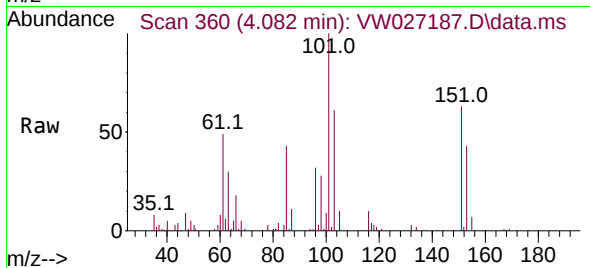




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.780 ug/L
 RT: 4.082 min Scan# 359
 Delta R.T. 0.006 min
 Lab File: VW027187.D
 Acq: 27 Sep 2023 10:55

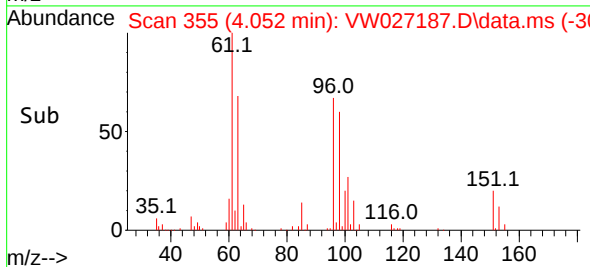
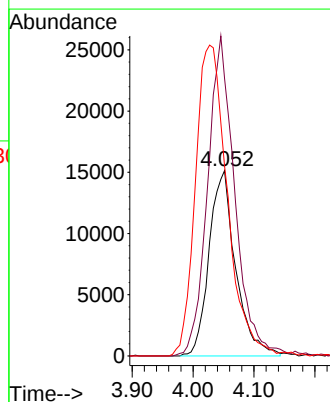
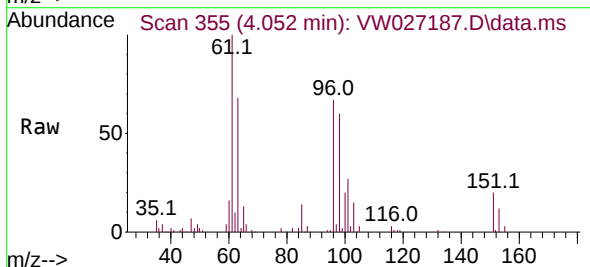
Instrument :
 MSVOA_W
 ClientSampleId :

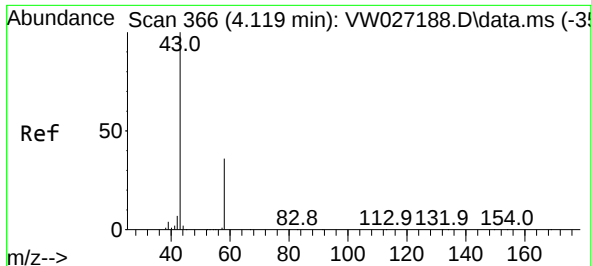
Tgt Ion:101 Resp: 47595
 Ion Ratio Lower Upper
 101 100
 85 43.3 33.1 49.7
 151 42.8 58.6 87.8#



#12
 1,1-Dichloroethene
 Concen: 4.930 ug/L
 RT: 4.052 min Scan# 355
 Delta R.T. 0.006 min
 Lab File: VW027187.D
 Acq: 27 Sep 2023 10:55

Tgt Ion: 96 Resp: 45917
 Ion Ratio Lower Upper
 96 100
 61 150.0 109.8 204.0
 63 102.6 76.9 142.7





#13

Acetone

Concen: 7.746 ug/L

RT: 4.125 min Scan# 367

Delta R.T. 0.006 min

Lab File: VW027187.D

Acq: 27 Sep 2023 10:55

Instrument :

MSVOA_W

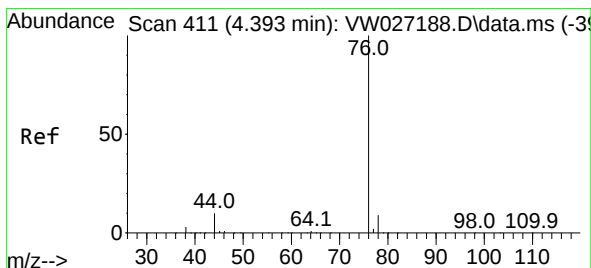
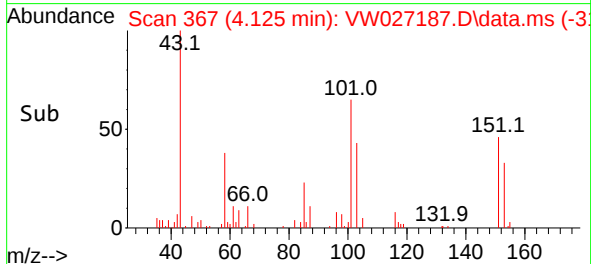
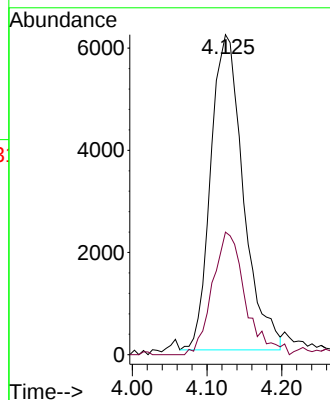
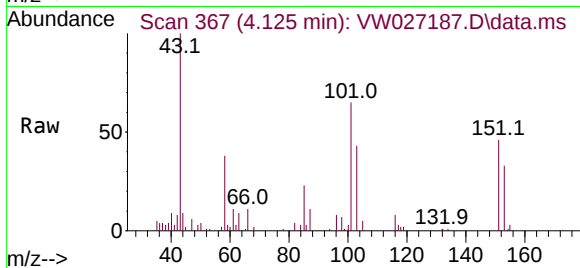
ClientSampleId :

Tgt Ion: 43 Resp: 18718

Ion Ratio Lower Upper

43 100

58 37.5 0.0 70.4



#14

Carbon disulfide

Concen: 5.169 ug/L

RT: 4.393 min Scan# 411

Delta R.T. 0.000 min

Lab File: VW027187.D

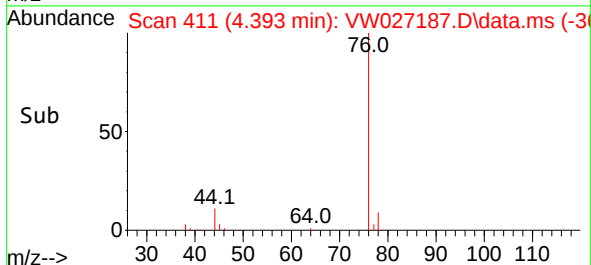
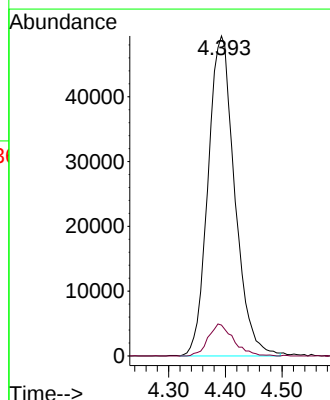
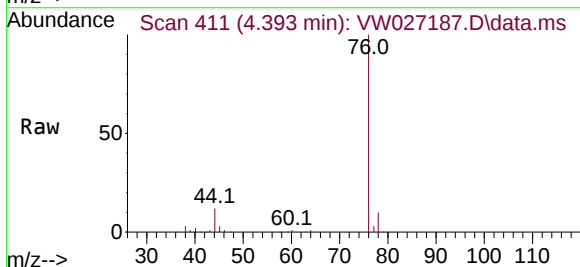
Acq: 27 Sep 2023 10:55

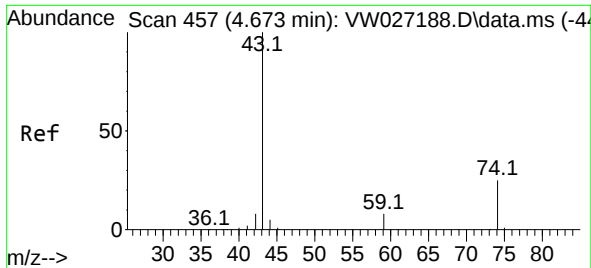
Tgt Ion: 76 Resp: 161604

Ion Ratio Lower Upper

76 100

78 9.7 7.0 10.6

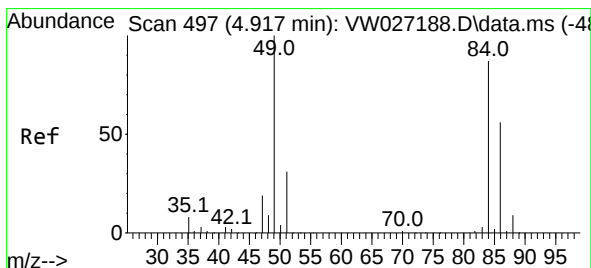
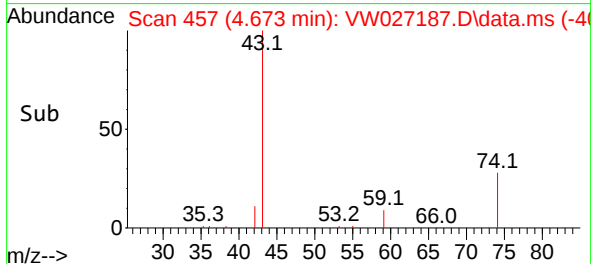
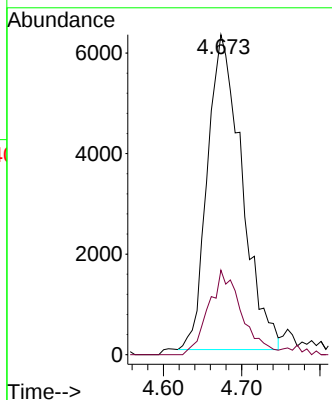
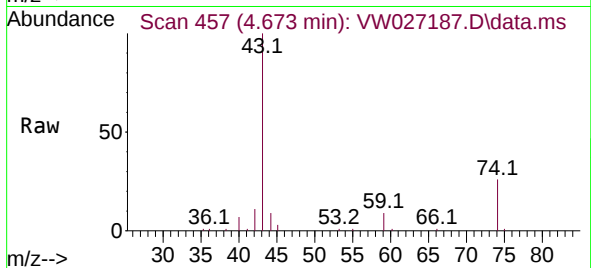




#15
Methyl Acetate
Concen: 4.731 ug/L
RT: 4.673 min Scan# 457
Delta R.T. 0.000 min
Lab File: VW027187.D
Acq: 27 Sep 2023 10:55

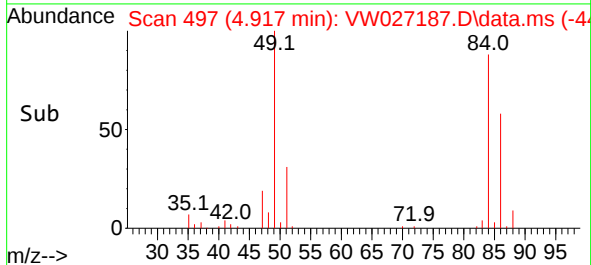
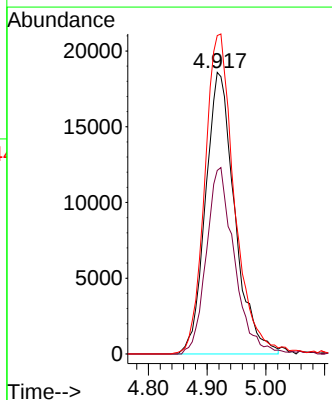
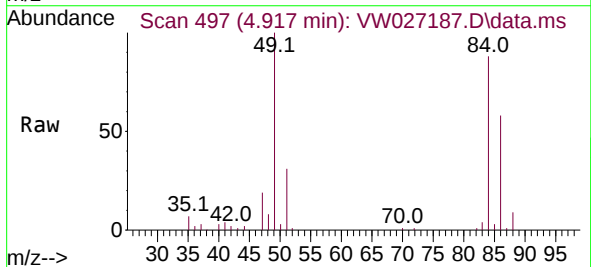
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ClientSampleId :

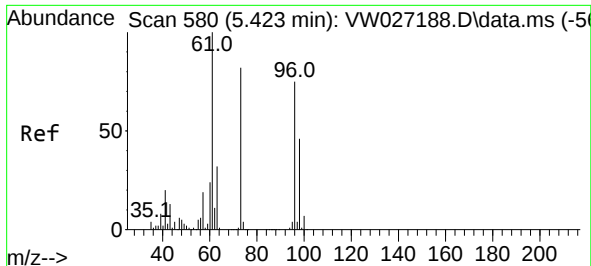
Tgt Ion: 43 Resp: 19161
Ion Ratio Lower Upper
43 100
74 25.6 20.8 31.2



#16
Methylene chloride
Concen: 5.443 ug/L
RT: 4.917 min Scan# 497
Delta R.T. 0.000 min
Lab File: VW027187.D
Acq: 27 Sep 2023 10:55

Tgt Ion: 84 Resp: 64157
Ion Ratio Lower Upper
84 100
86 65.2 45.1 83.9
49 113.1 80.9 150.3

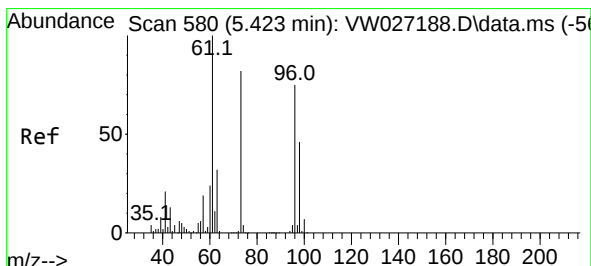
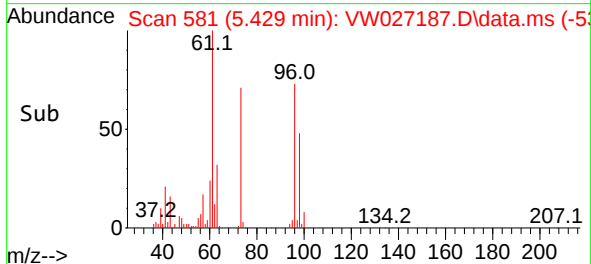
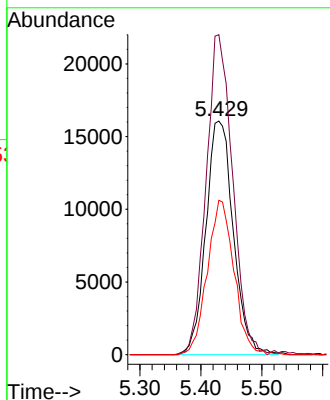
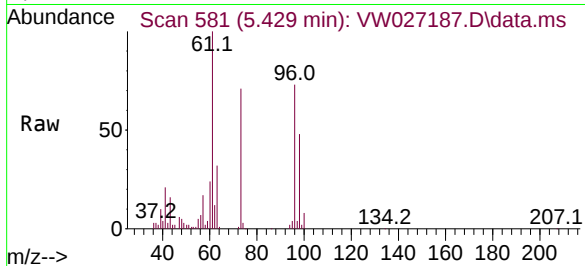




#17
trans-1,2-Dichloroethene
Concen: 5.027 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.006 min
Lab File: VW027187.D
Acq: 27 Sep 2023 10:55

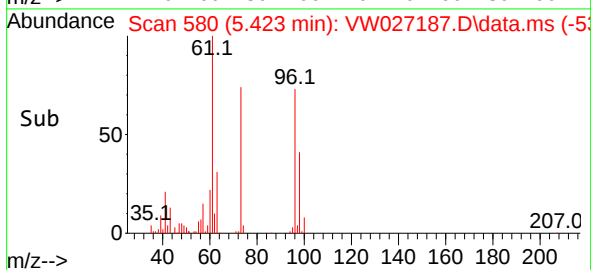
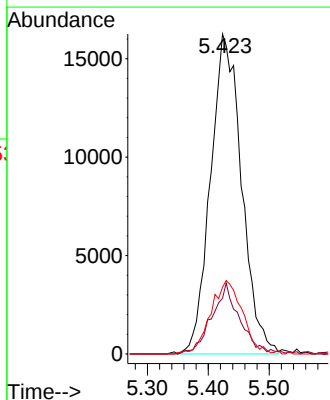
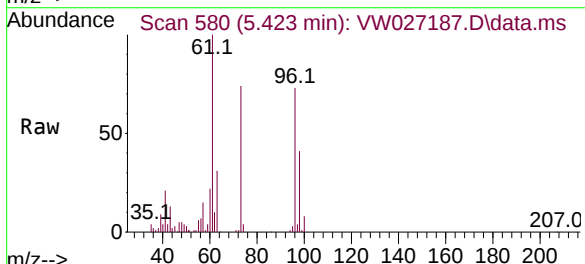
Instrument :
MSVOA_W
ClientSampleId :

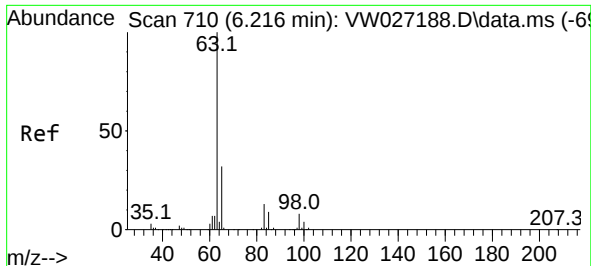
Tgt Ion: 96 Resp: 50376
Ion Ratio Lower Upper
96 100
61 137.0 93.5 173.7
98 66.1 43.3 80.5



#18
Methyl tert-butyl Ether
Concen: 4.590 ug/L
RT: 5.423 min Scan# 580
Delta R.T. 0.000 min
Lab File: VW027187.D
Acq: 27 Sep 2023 10:55

Tgt Ion: 73 Resp: 57566
Ion Ratio Lower Upper
73 100
43 16.8 14.2 21.2
57 22.9 18.3 27.5





#19

1,1-Dichloroethane

Concen: 5.077 ug/L

RT: 6.216 min Scan# 710

Delta R.T. 0.000 min

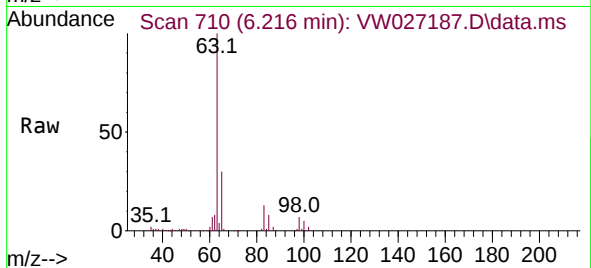
Lab File: VW027187.D

Acq: 27 Sep 2023 10:55

Instrument :

MSVOA_W

ClientSampleId :



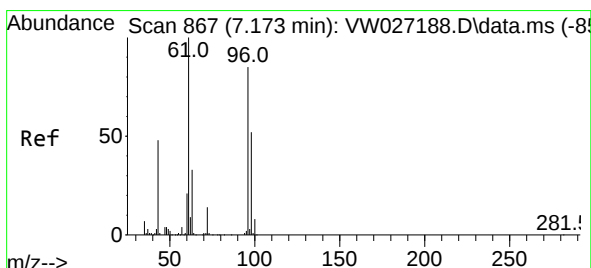
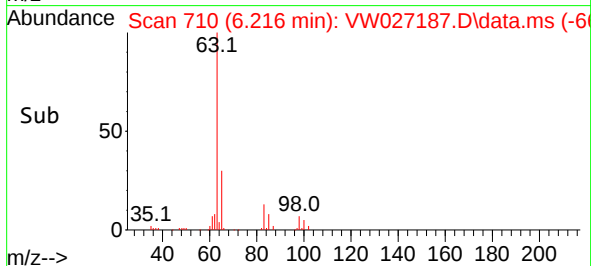
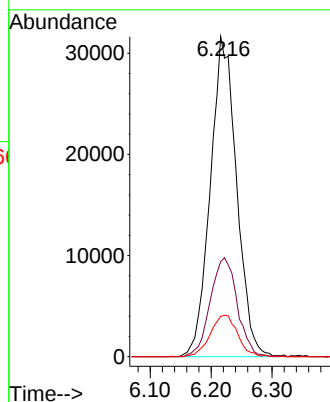
Tgt Ion: 63 Resp: 94888

Ion Ratio Lower Upper

63 100

65 29.7 22.5 41.9

83 12.6 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 4.770 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.000 min

Lab File: VW027187.D

Acq: 27 Sep 2023 10:55

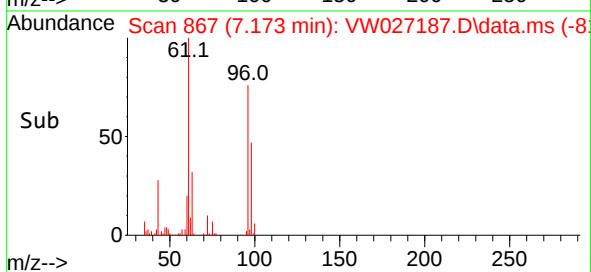
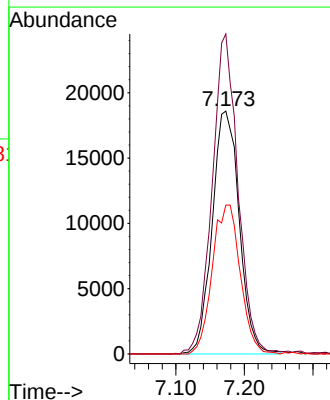
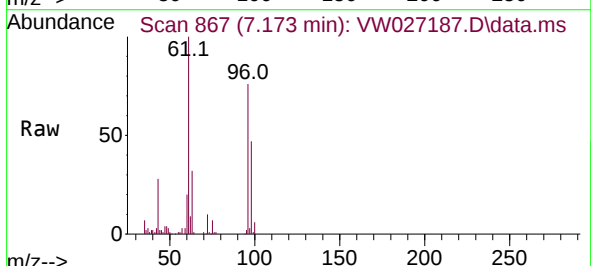
Tgt Ion: 96 Resp: 50957

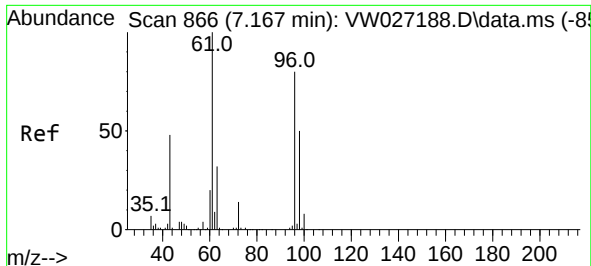
Ion Ratio Lower Upper

96 100

61 131.7 82.7 153.5

98 61.3 43.0 80.0

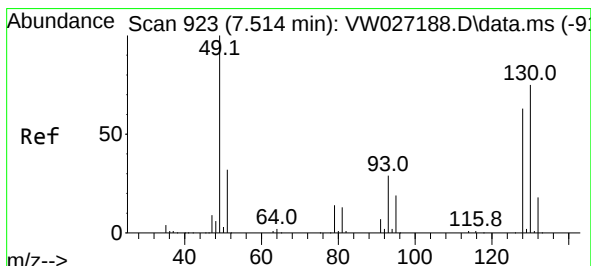
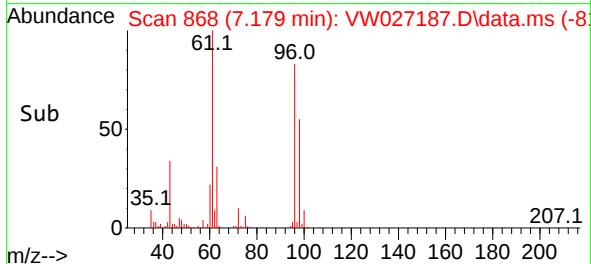
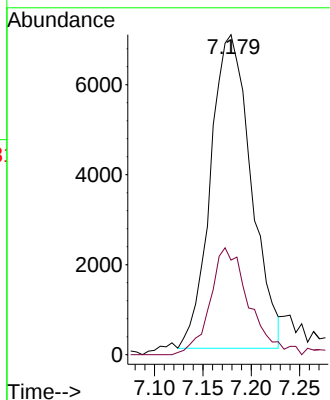
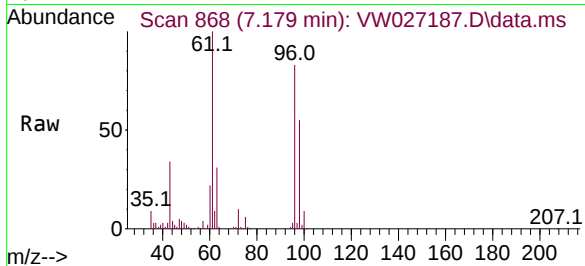




#22
2-Butanone
Concen: 6.939 ug/L
RT: 7.179 min Scan# 867
Delta R.T. 0.012 min
Lab File: VW027187.D
Acq: 27 Sep 2023 10:55

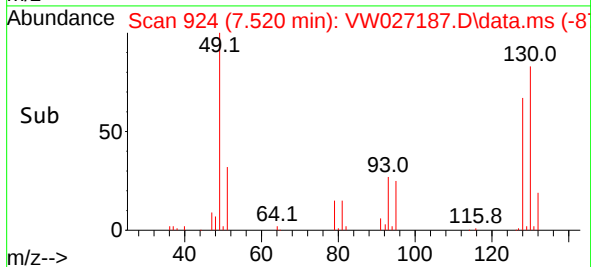
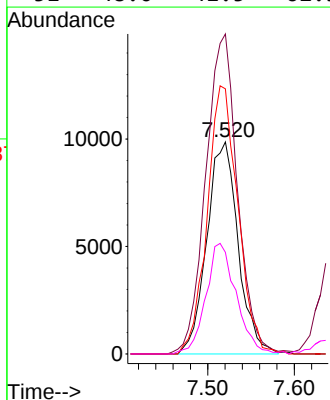
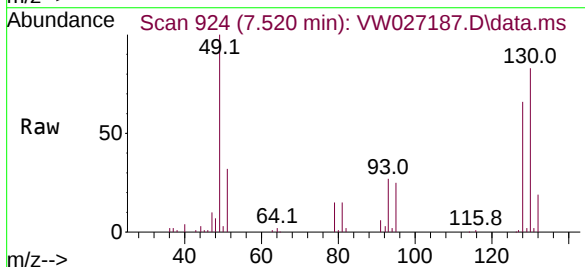
Instrument :
MSVOA_W
ClientSampleId :

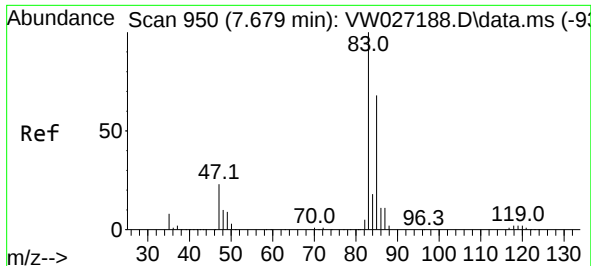
Tgt Ion: 43 Resp: 20390
Ion Ratio Lower Upper
43 100
72 32.0 14.6 44.0



#23
Bromochloromethane
Concen: 5.080 ug/L
RT: 7.520 min Scan# 924
Delta R.T. 0.006 min
Lab File: VW027187.D
Acq: 27 Sep 2023 10:55

Tgt Ion: 128 Resp: 24765
Ion Ratio Lower Upper
128 100
49 151.0 112.1 208.1
130 125.1 83.9 155.7
51 48.0 41.5 62.3

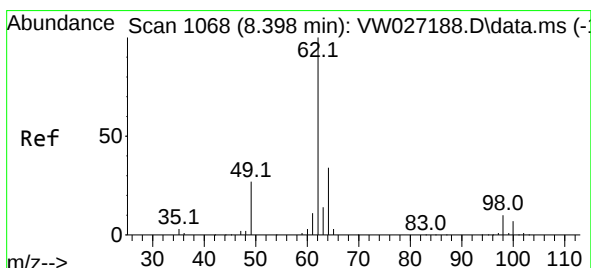
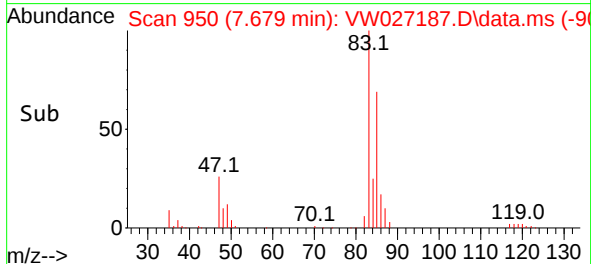
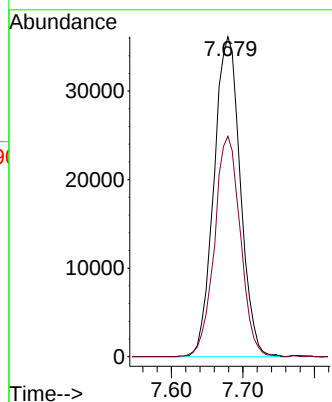
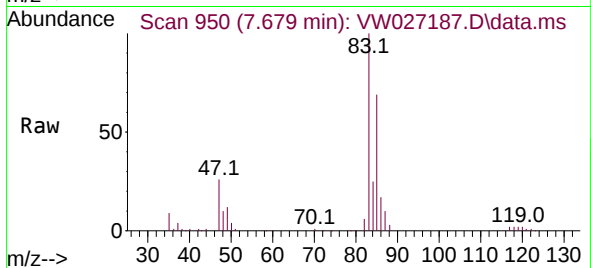




#25
Chloroform
Concen: 5.075 ug/L
RT: 7.679 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW027187.D
Acq: 27 Sep 2023 10:55

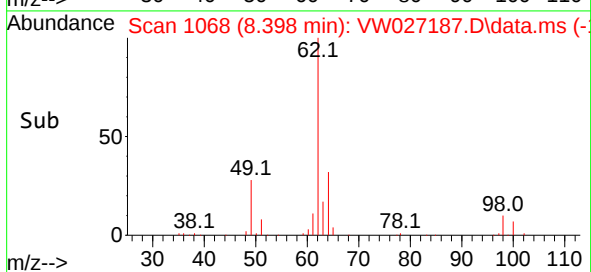
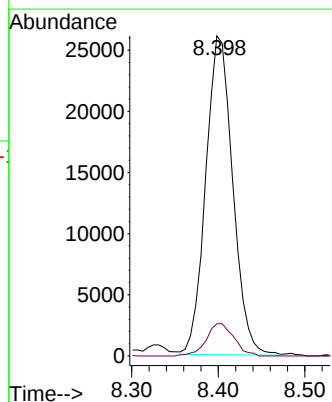
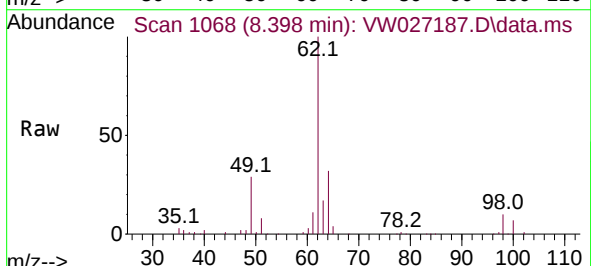
Instrument :
MSVOA_W
ClientSampleId :

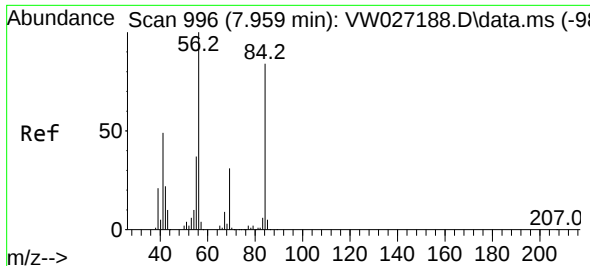
Tgt Ion: 83 Resp: 92515
Ion Ratio Lower Upper
83 100
85 68.9 47.7 88.5



#27
1,2-Dichloroethane
Concen: 5.065 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VW027187.D
Acq: 27 Sep 2023 10:55

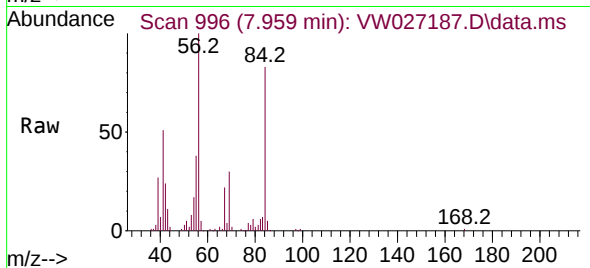
Tgt Ion: 62 Resp: 56558
Ion Ratio Lower Upper
62 100
98 10.0 7.9 11.9



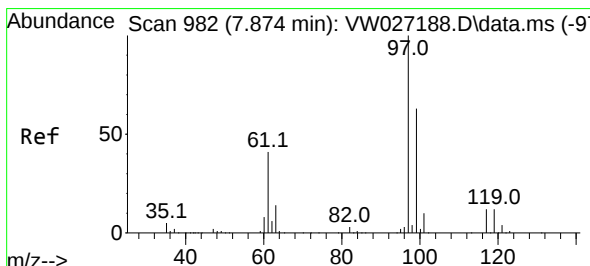
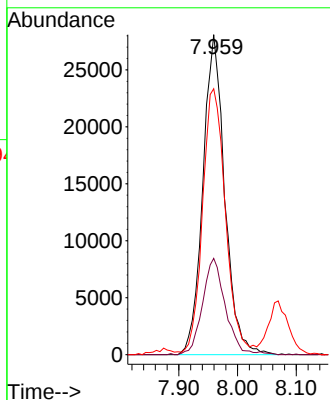
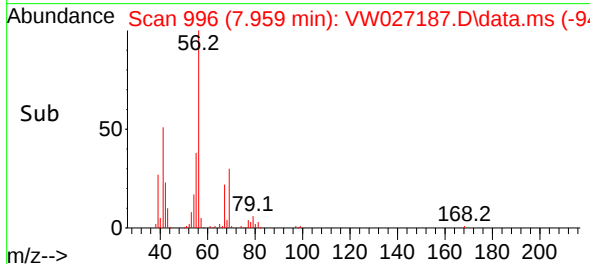


#29
Cyclohexane
Concen: 4.641 ug/L
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW027187.D
Acq: 27 Sep 2023 10:55

Instrument :
MSVOA_W
ClientSampleId :

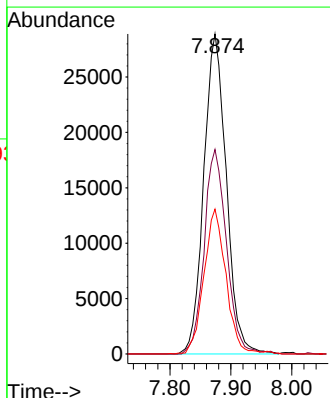
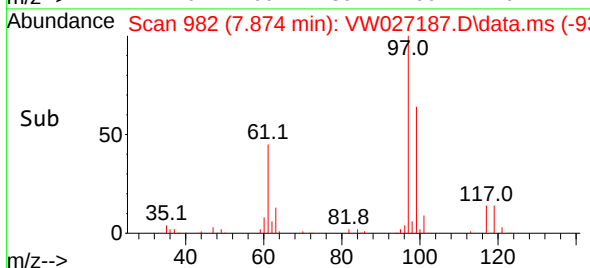
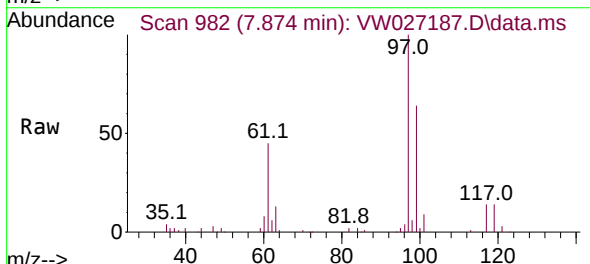


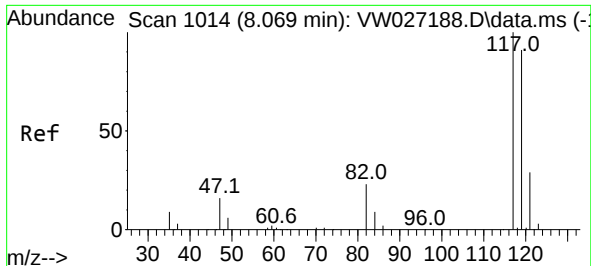
Tgt Ion:	56	Resp:	72663
Ion Ratio	Lower	Upper	
56	100		
69	30.8	25.0	37.4
84	87.8	69.9	104.9



#30
1,1,1-Trichloroethane
Concen: 5.075 ug/L
RT: 7.874 min Scan# 982
Delta R.T. 0.000 min
Lab File: VW027187.D
Acq: 27 Sep 2023 10:55

Tgt Ion:	97	Resp:	74243
Ion Ratio	Lower	Upper	
97	100		
99	63.0	50.8	76.2
61	44.1	34.6	52.0

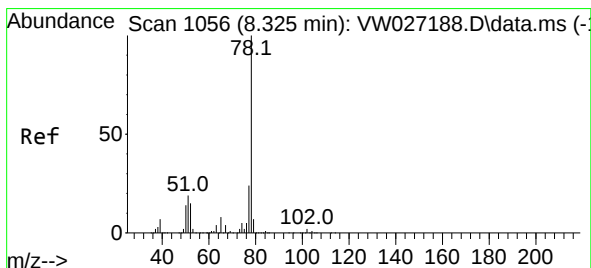
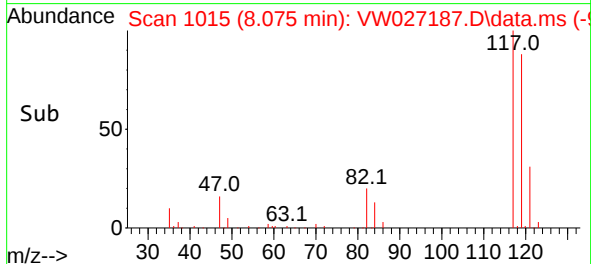
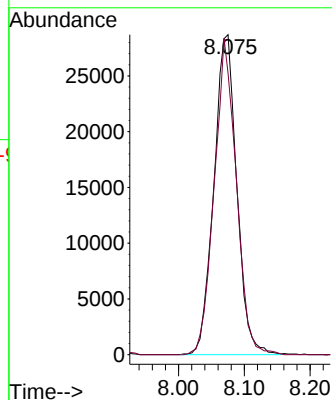
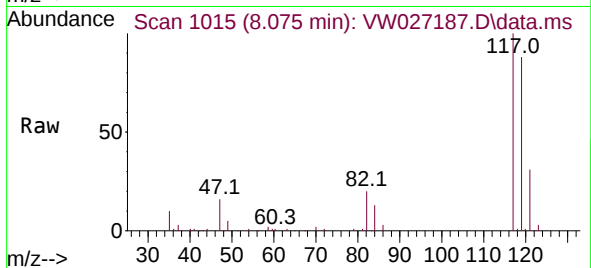




#31
Carbon tetrachloride
Concen: 5.037 ug/L
RT: 8.075 min Scan# 1014
Delta R.T. 0.006 min
Lab File: VW027187.D
Acq: 27 Sep 2023 10:55

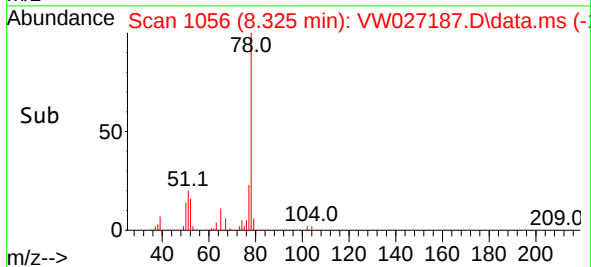
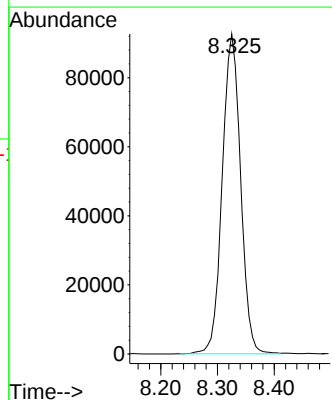
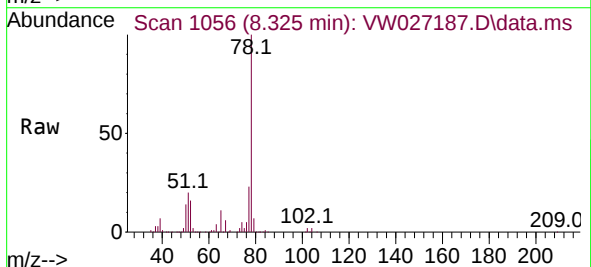
Instrument :
MSVOA_W
ClientSampleId :

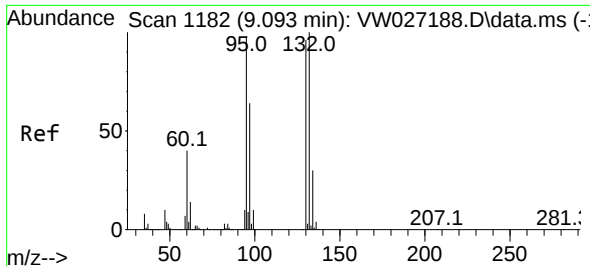
Tgt Ion:117 Resp: 69597
Ion Ratio Lower Upper
117 100
119 95.0 77.0 115.6



#33
Benzene
Concen: 5.006 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VW027187.D
Acq: 27 Sep 2023 10:55

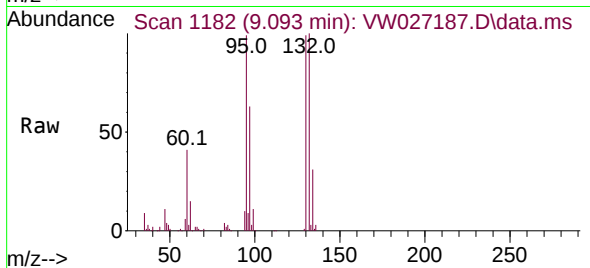
Tgt Ion: 78 Resp: 208209



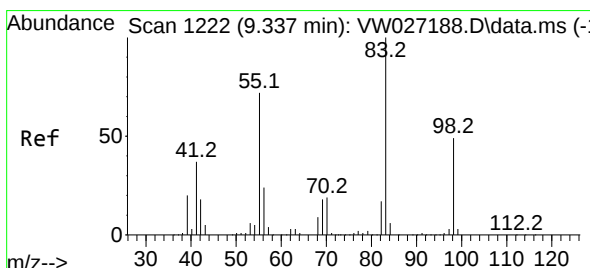
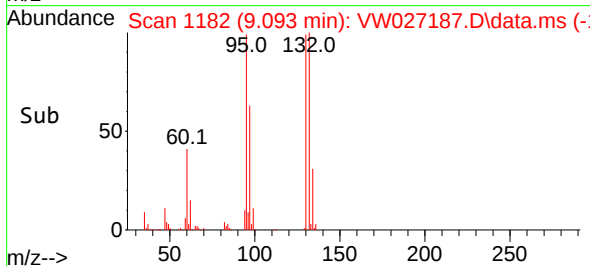
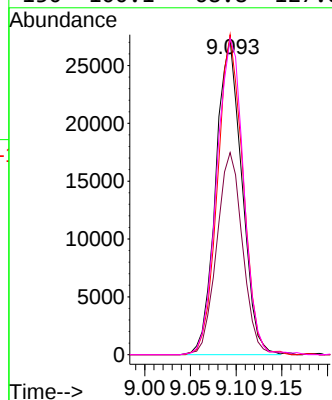


#34
Trichloroethene
Concen: 4.963 ug/L
RT: 9.093 min Scan# 1182
Delta R.T. 0.000 min
Lab File: VW027187.D
Acq: 27 Sep 2023 10:55

Instrument :
MSVOA_W
ClientSampleId :

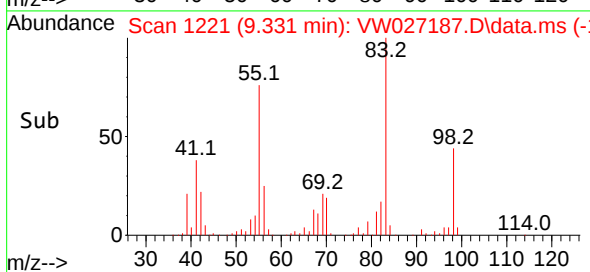
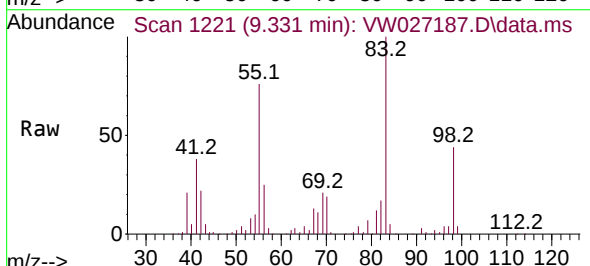
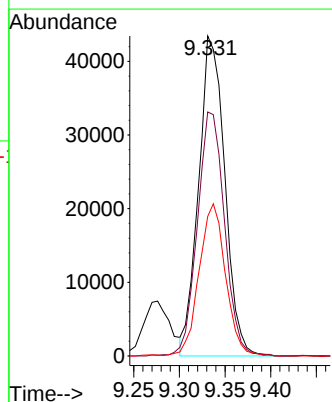


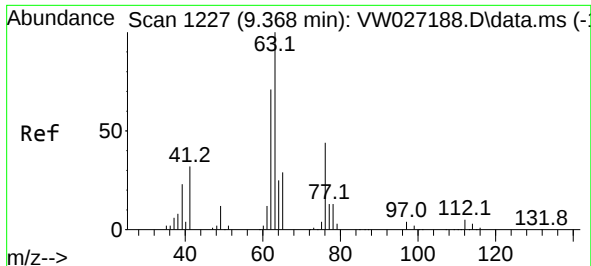
Tgt Ion:	95	Resp:	53908
Ion	Ratio	Lower	Upper
95	100		
97	64.0	46.1	85.7
132	101.4	71.5	132.9
130	100.1	68.8	127.8



#35
Methylcyclohexane
Concen: 4.736 ug/L
RT: 9.331 min Scan# 1221
Delta R.T. -0.006 min
Lab File: VW027187.D
Acq: 27 Sep 2023 10:55

Tgt Ion:	83	Resp:	86516
Ion	Ratio	Lower	Upper
83	100		
55	79.1	59.1	88.7
98	48.0	38.6	58.0





#37

1,2-Dichloropropane

Concen: 5.117 ug/L

RT: 9.368 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW027187.D

Acq: 27 Sep 2023 10:55

Instrument :

MSVOA_W

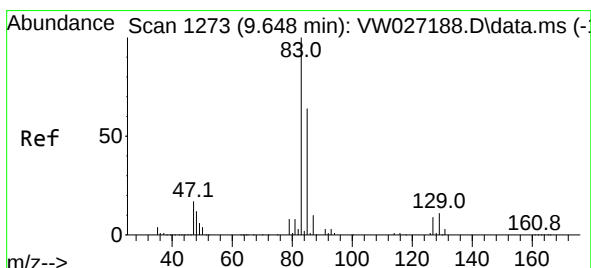
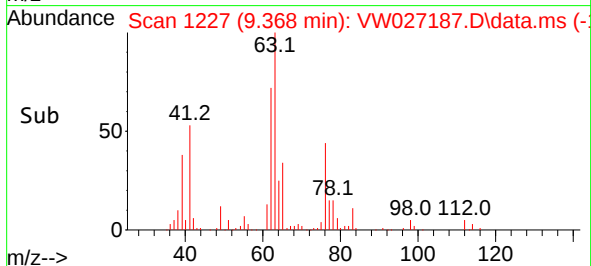
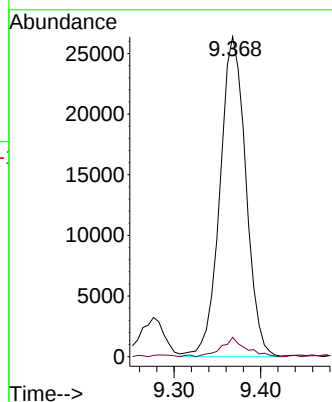
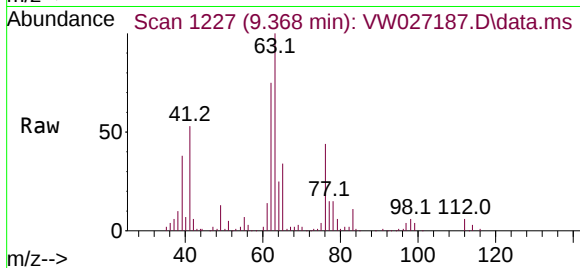
ClientSampleId :

Tgt Ion: 63 Resp: 54868

Ion Ratio Lower Upper

63 100

112 5.5 3.7 5.5#



#38

Bromodichloromethane

Concen: 5.031 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.006 min

Lab File: VW027187.D

Acq: 27 Sep 2023 10:55

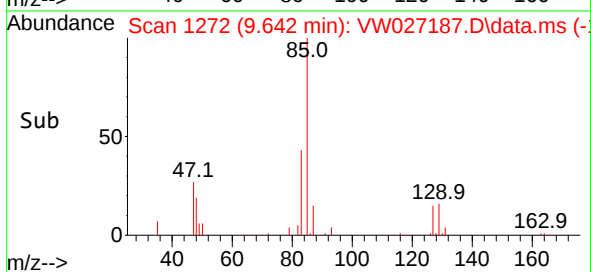
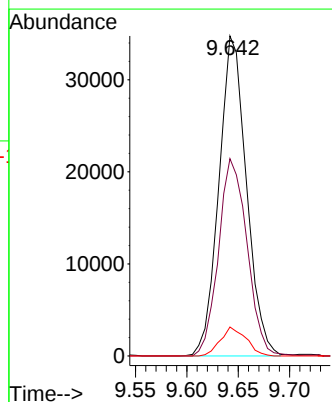
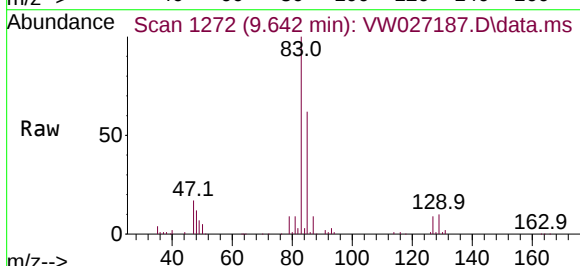
Tgt Ion: 83 Resp: 64764

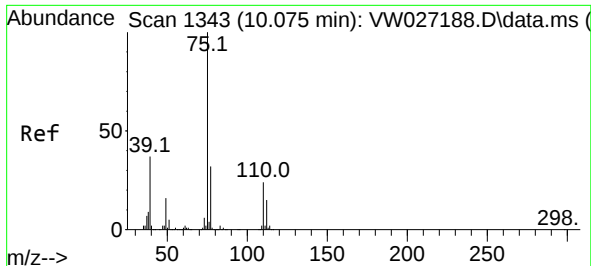
Ion Ratio Lower Upper

83 100

85 61.7 44.7 82.9

127 9.1 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 4.570 ug/L

RT: 10.075 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VW027187.D

Acq: 27 Sep 2023 10:55

Instrument :

MSVOA_W

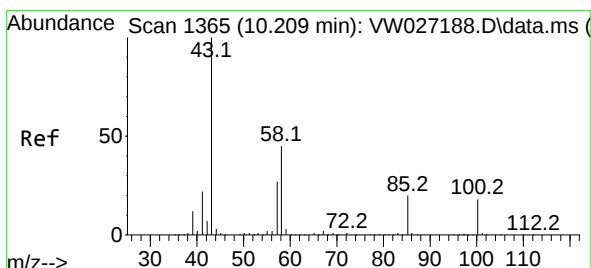
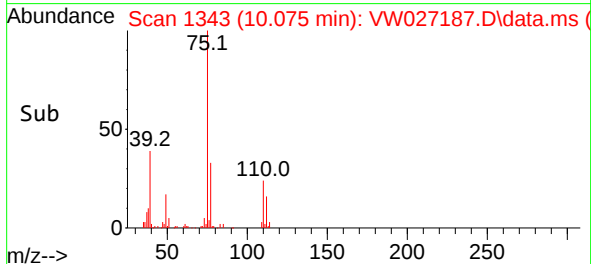
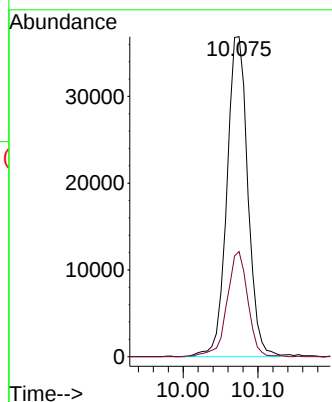
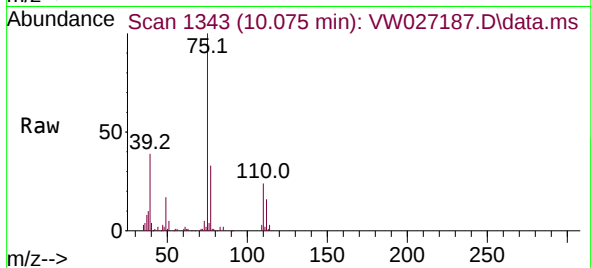
ClientSampleId :

Tgt Ion: 75 Resp: 72165

Ion Ratio Lower Upper

75 100

77 32.8 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 8.727 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW027187.D

Acq: 27 Sep 2023 10:55

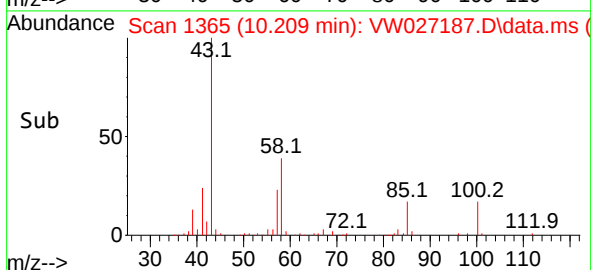
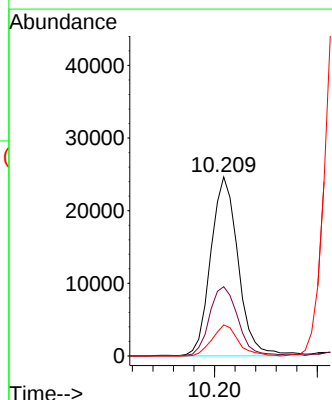
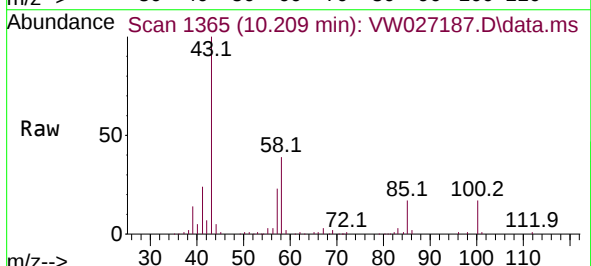
Tgt Ion: 43 Resp: 45374

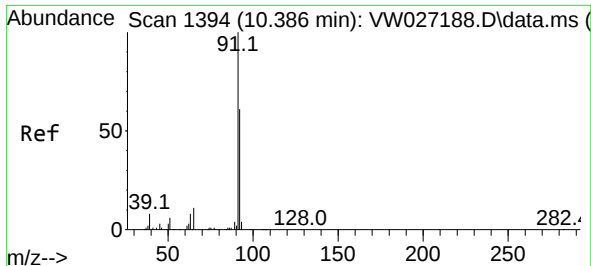
Ion Ratio Lower Upper

43 100

58 40.4 33.8 50.6

100 16.7 13.7 20.5

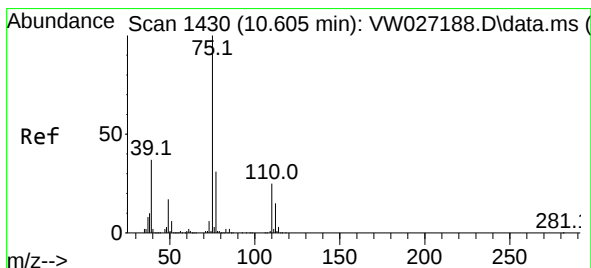
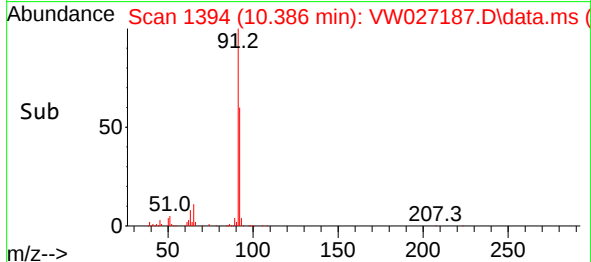
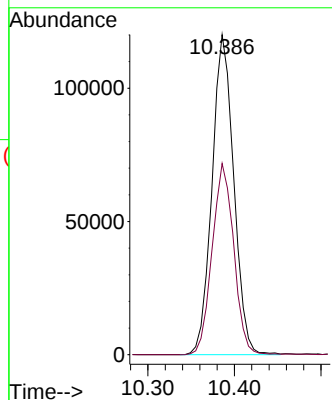
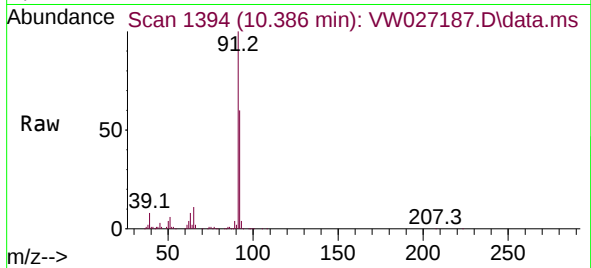




#42
Toluene
Concen: 4.902 ug/L
RT: 10.386 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VW027187.D
Acq: 27 Sep 2023 10:55

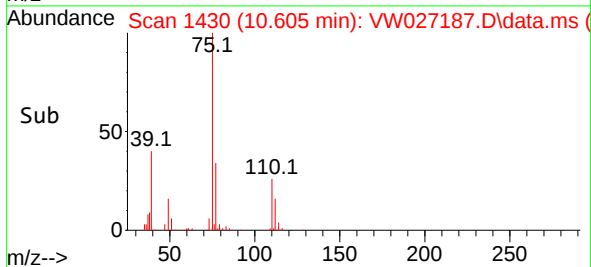
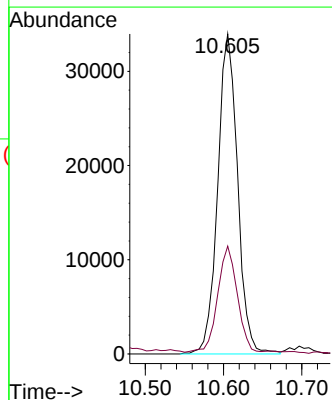
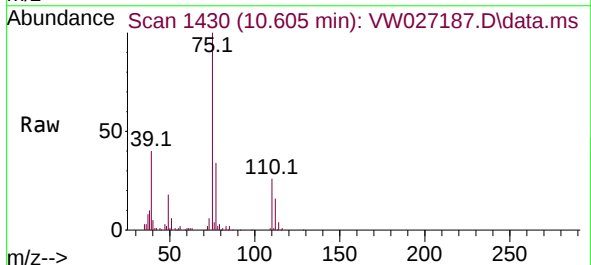
Instrument :
MSVOA_W
ClientSampleId :

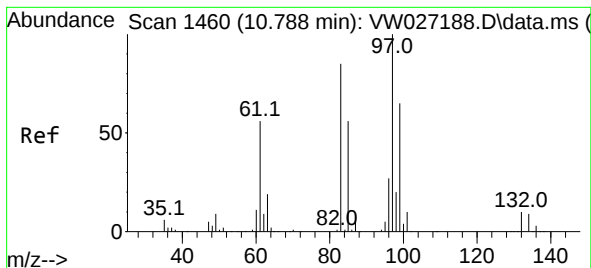
Tgt Ion: 91 Resp: 209384
Ion Ratio Lower Upper
91 100
92 59.8 42.6 79.2



#44
trans-1,3-Dichloropropene
Concen: 4.644 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW027187.D
Acq: 27 Sep 2023 10:55

Tgt Ion: 75 Resp: 60102
Ion Ratio Lower Upper
75 100
77 33.7 21.6 40.2





#45

1,1,2-Trichloroethane

Concen: 5.060 ug/L

RT: 10.788 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VW027187.D

Acq: 27 Sep 2023 10:55

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 97 Resp: 39246

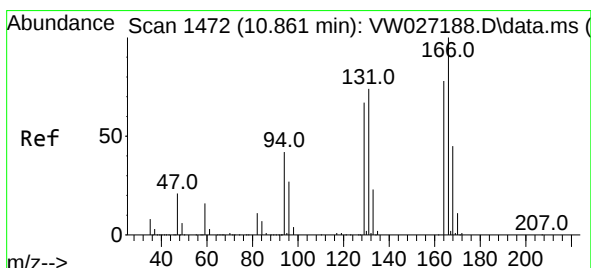
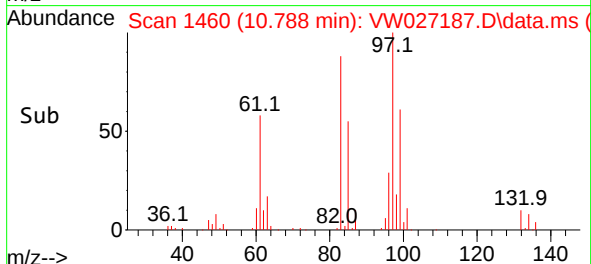
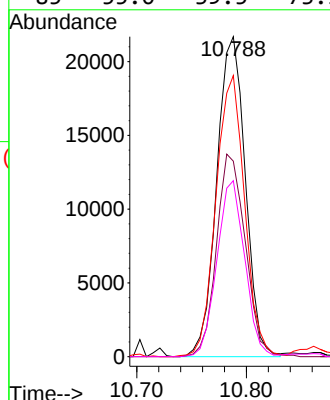
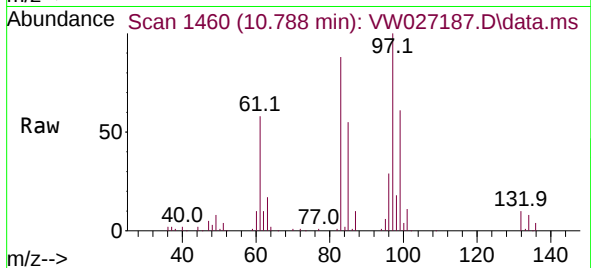
Ion Ratio Lower Upper

97 100

99 61.1 45.3 84.1

83 87.8 59.5 110.5

85 55.0 39.5 73.3



#46

Tetrachloroethene

Concen: 5.100 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VW027187.D

Acq: 27 Sep 2023 10:55

Tgt Ion:164 Resp: 43546

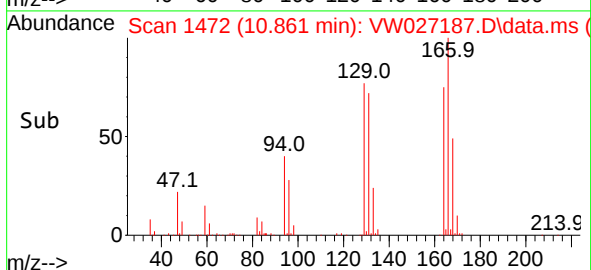
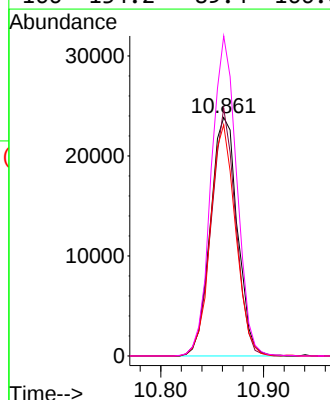
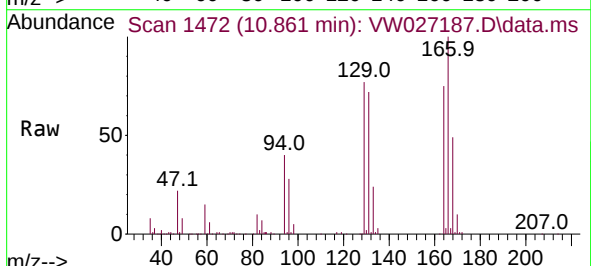
Ion Ratio Lower Upper

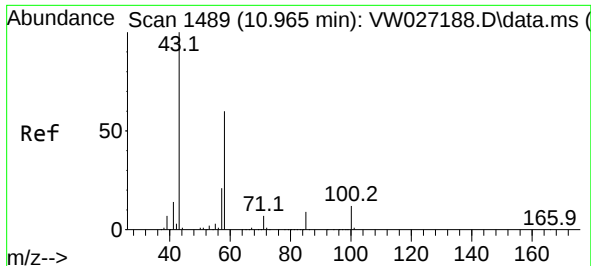
164 100

129 103.9 60.3 112.1

131 96.9 66.1 122.7

166 134.2 89.4 166.0

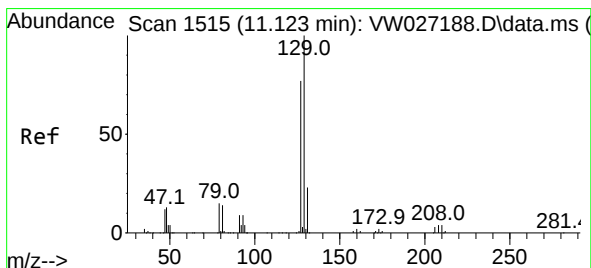
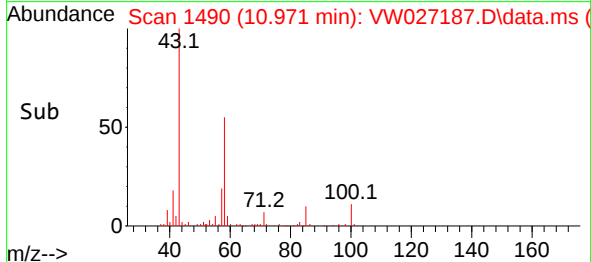
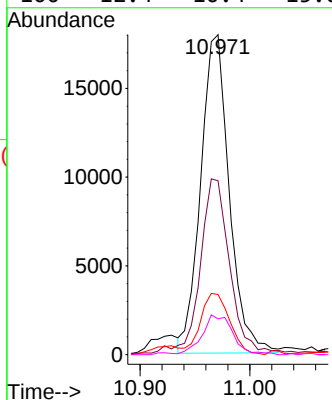
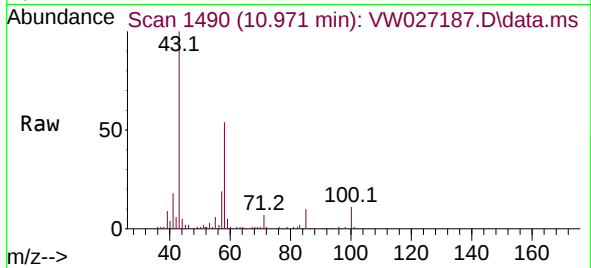




#48
2-Hexanone
Concen: 7.990 ug/L
RT: 10.971 min Scan# 1489
Delta R.T. 0.006 min
Lab File: VW027187.D
Acq: 27 Sep 2023 10:55

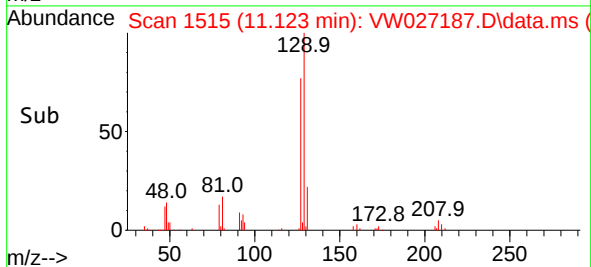
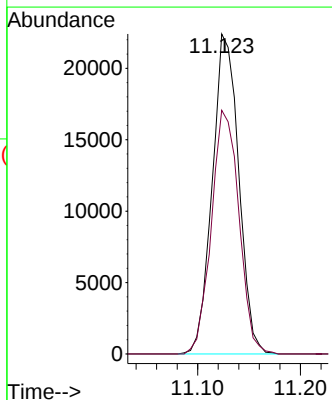
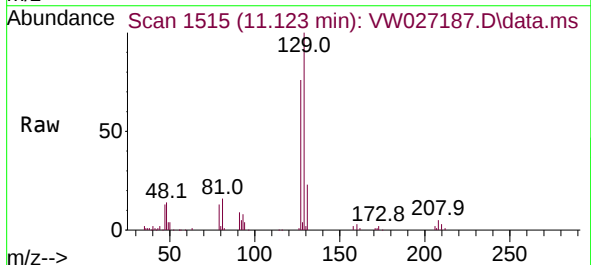
Instrument :
MSVOA_W
ClientSampleId :

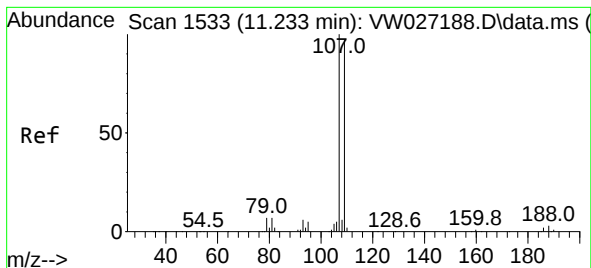
Tgt Ion:	43	Resp:	32571
Ion	Ratio	Lower	Upper
43	100		
58	52.5	47.2	70.8
57	19.4	15.9	23.9
100	12.4	10.4	15.6



#49
Dibromochloromethane
Concen: 4.756 ug/L
RT: 11.123 min Scan# 1515
Delta R.T. 0.000 min
Lab File: VW027187.D
Acq: 27 Sep 2023 10:55

Tgt Ion:	129	Resp:	40002
Ion	Ratio	Lower	Upper
129	100		
127	76.2	54.2	100.6





#50

1,2-Dibromoethane

Concen: 4.950 ug/L

RT: 11.233 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW027187.D

Acq: 27 Sep 2023 10:55

Instrument :

MSVOA_W

ClientSampleId :

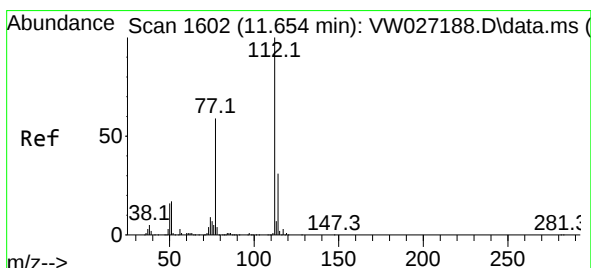
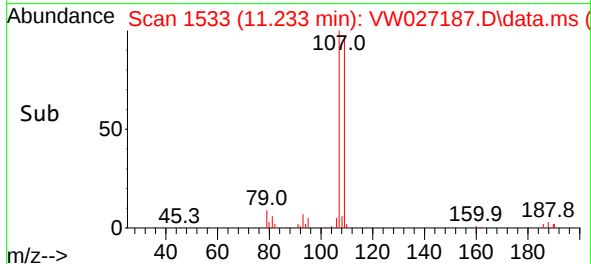
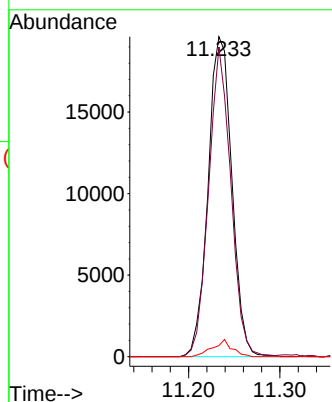
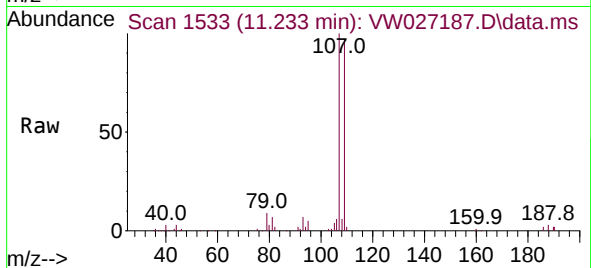
Tgt Ion:107 Resp: 35623

Ion Ratio Lower Upper

107 100

109 96.8 68.2 126.6

188 3.5 2.6 4.0



#51

Chlorobenzene

Concen: 5.106 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VW027187.D

Acq: 27 Sep 2023 10:55

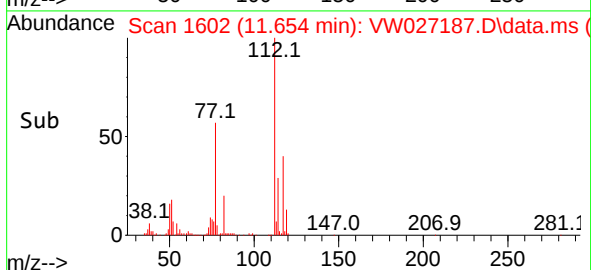
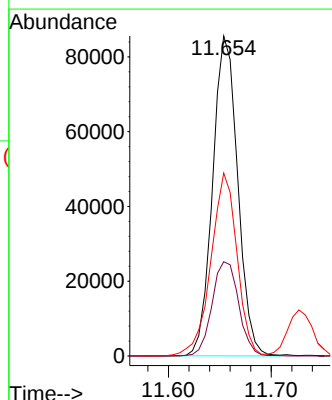
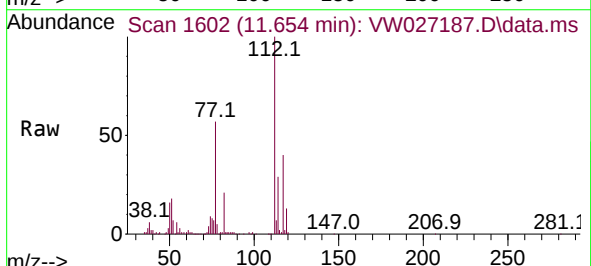
Tgt Ion:112 Resp: 144726

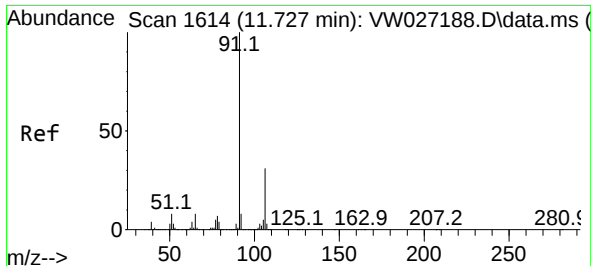
Ion Ratio Lower Upper

112 100

114 29.5 21.9 40.7

77 57.1 47.4 71.0





#52

Ethylbenzene

Concen: 4.762 ug/L

RT: 11.727 min Scan# 1614

Delta R.T. 0.000 min

Lab File: VW027187.D

Acq: 27 Sep 2023 10:55

Instrument :

MSVOA_W

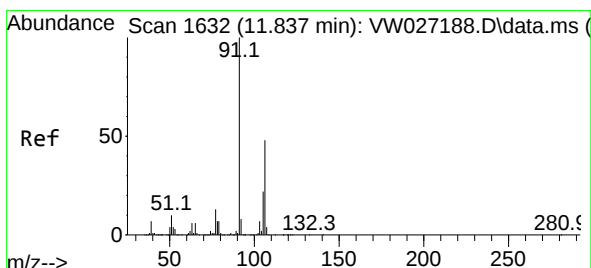
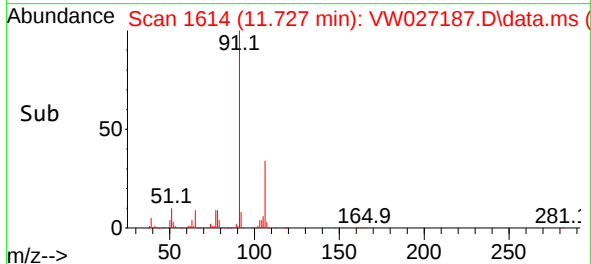
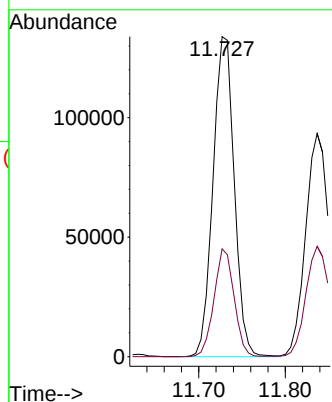
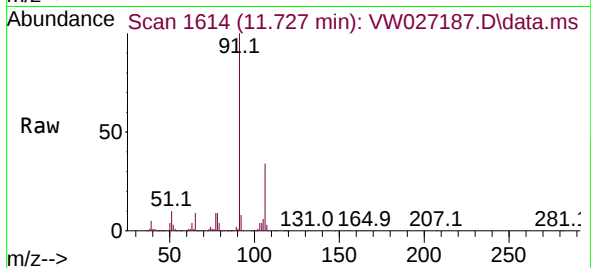
ClientSampleId :

Tgt Ion: 91 Resp: 228536

Ion Ratio Lower Upper

91 100

106 33.7 21.8 40.6



#53

m,p-Xylene

Concen: 4.747 ug/L

RT: 11.837 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VW027187.D

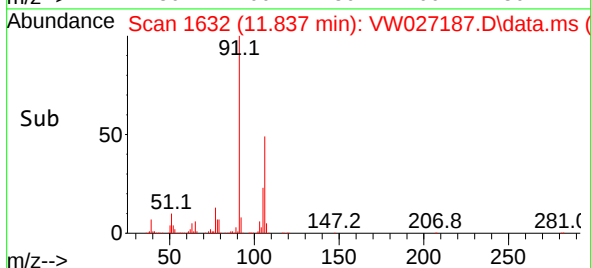
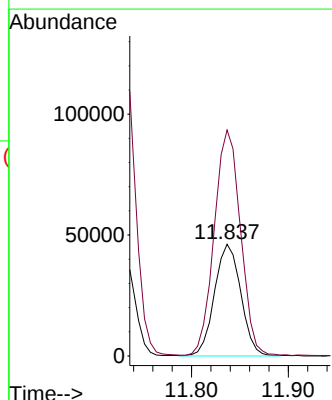
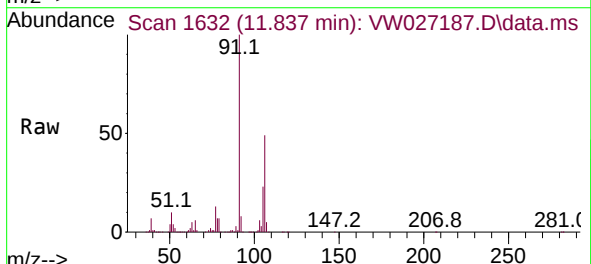
Acq: 27 Sep 2023 10:55

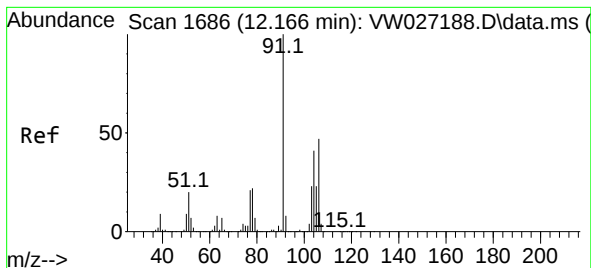
Tgt Ion: 106 Resp: 87356

Ion Ratio Lower Upper

106 100

91 202.1 145.9 270.9





#54

o-Xylene

Concen: 4.684 ug/L

RT: 12.166 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW027187.D

Acq: 27 Sep 2023 10:55

Instrument :

MSVOA_W

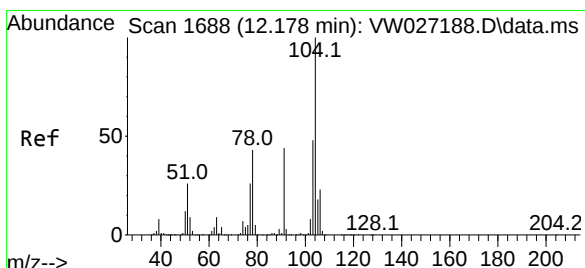
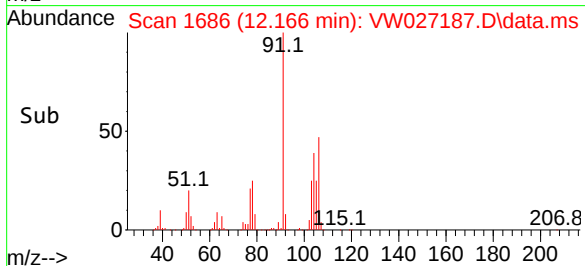
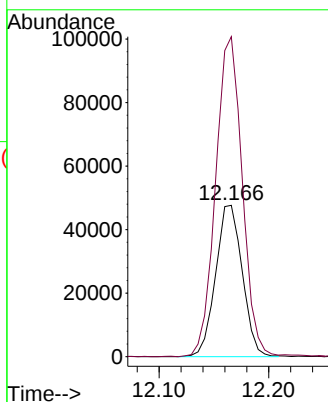
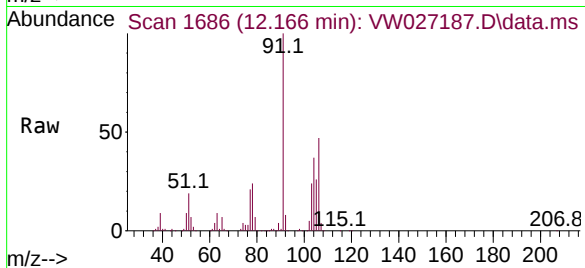
ClientSampleId :

Tgt Ion:106 Resp: 80506

Ion Ratio Lower Upper

106 100

91 211.4 149.5 277.7



#55

Styrene

Concen: 4.710 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW027187.D

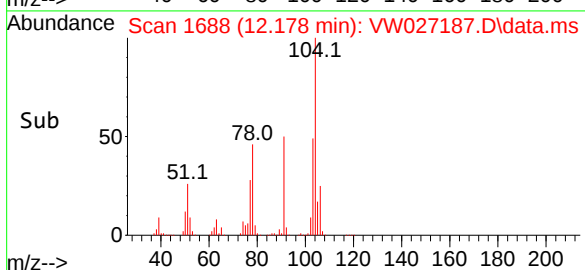
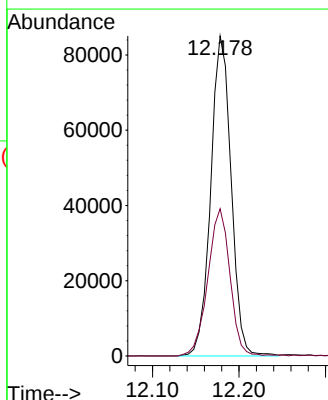
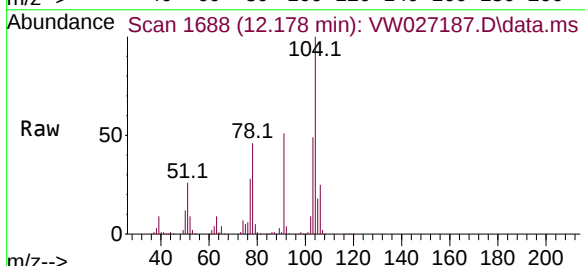
Acq: 27 Sep 2023 10:55

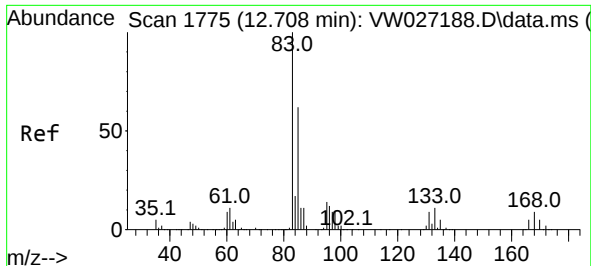
Tgt Ion:104 Resp: 139363

Ion Ratio Lower Upper

104 100

78 46.0 30.1 55.9





#57

1,1,2,2-Tetrachloroethane

Concen: 4.947 ug/L

RT: 12.709 min Scan# 1775

Delta R.T. 0.000 min

Lab File: VW027187.D

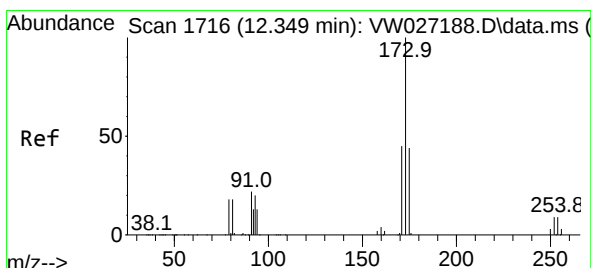
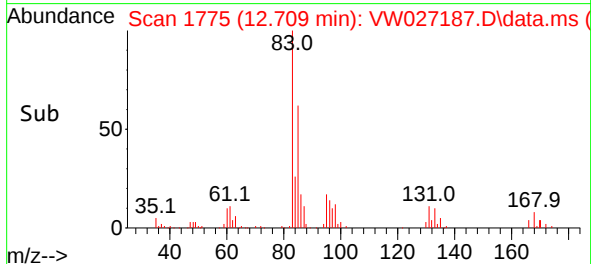
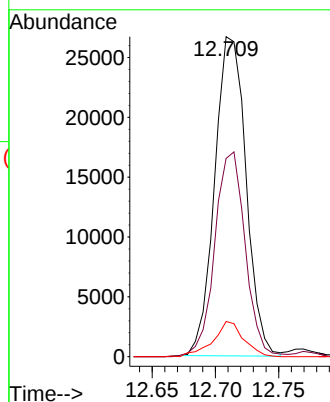
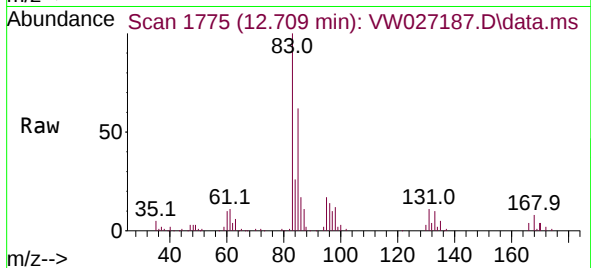
Acq: 27 Sep 2023 10:55

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 83	Resp: 46024
Ion Ratio	Lower Upper
83 100	
85 62.0	43.5 80.7
131 11.0	7.6 11.4



#59

Bromoform

Concen: 4.683 ug/L

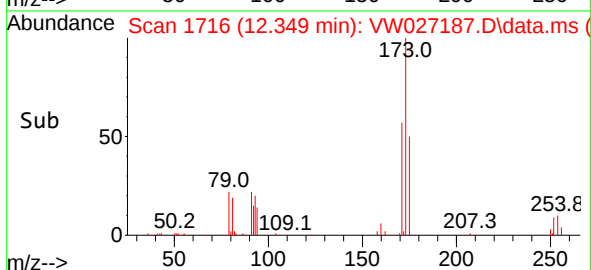
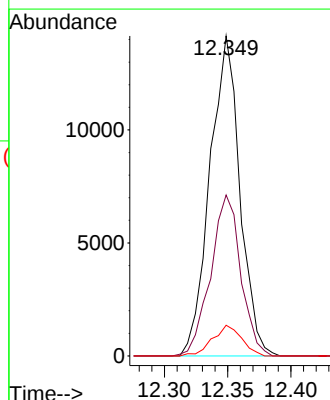
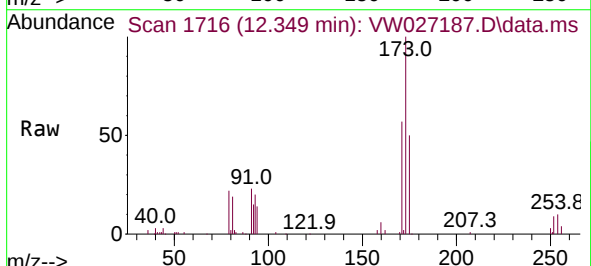
RT: 12.349 min Scan# 1716

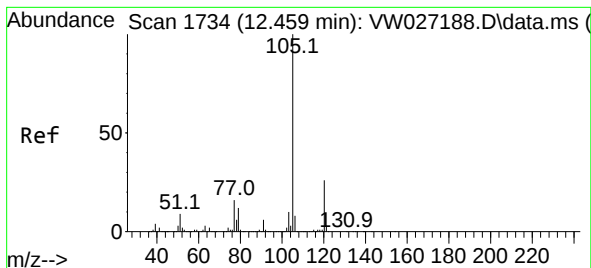
Delta R.T. 0.000 min

Lab File: VW027187.D

Acq: 27 Sep 2023 10:55

Tgt Ion: 173	Resp: 23348
Ion Ratio	Lower Upper
173 100	
175 50.4	37.1 55.7
254 9.3	7.2 10.8





#60

Isopropylbenzene

Concen: 4.774 ug/L

RT: 12.459 min Scan# 1734

Delta R.T. 0.000 min

Lab File: VW027187.D

Acq: 27 Sep 2023 10:55

Instrument :

MSVOA_W

ClientSampleId :

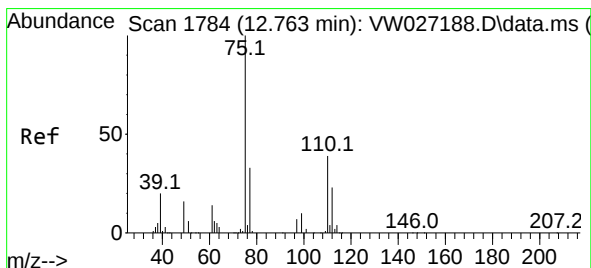
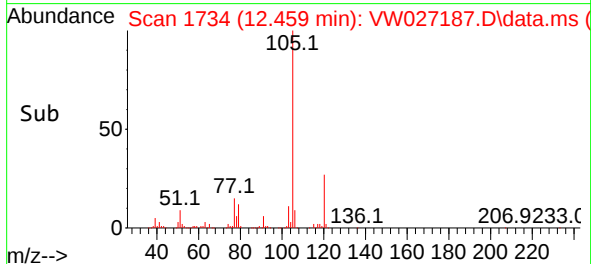
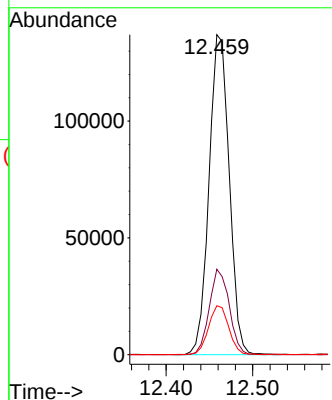
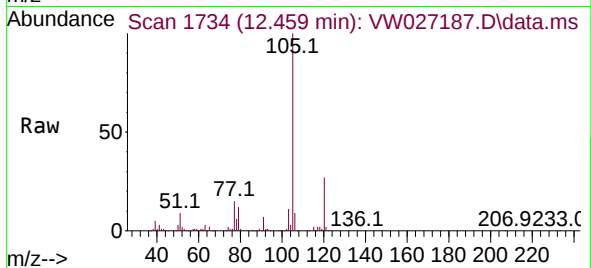
Tgt Ion:105 Resp: 221963

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.6

77 15.4 12.5 18.7



#61

1,2,3-Trichloropropane

Concen: 4.892 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VW027187.D

Acq: 27 Sep 2023 10:55

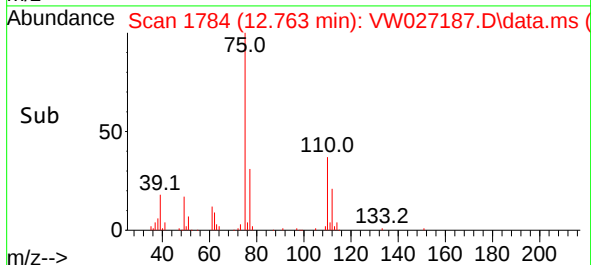
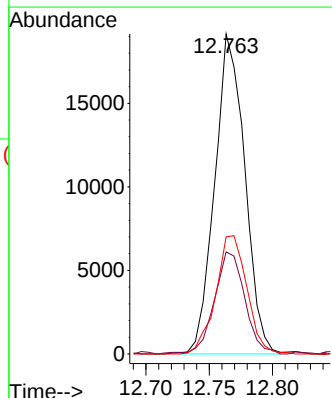
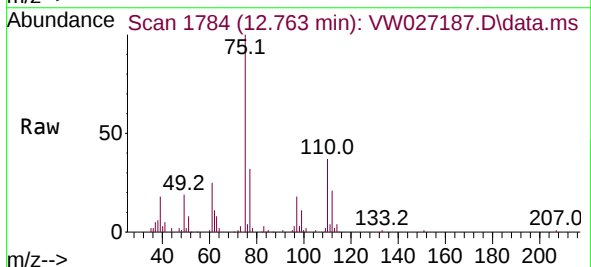
Tgt Ion: 75 Resp: 31621

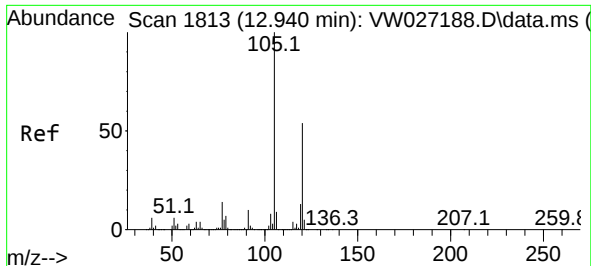
Ion Ratio Lower Upper

75 100

77 31.8 26.2 39.2

110 38.4 31.2 46.8

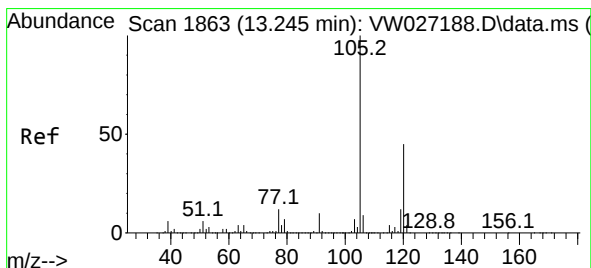
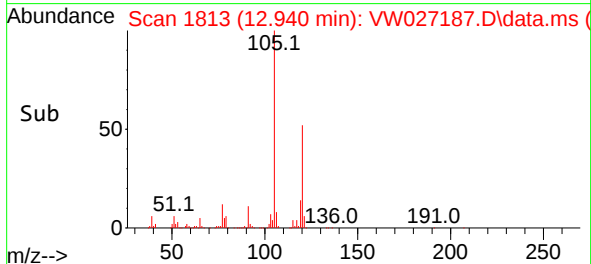
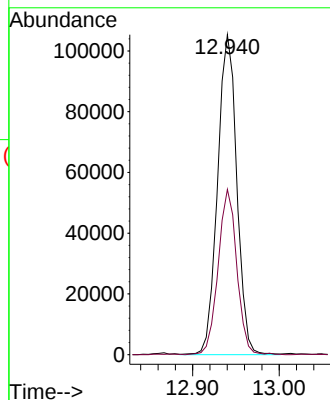
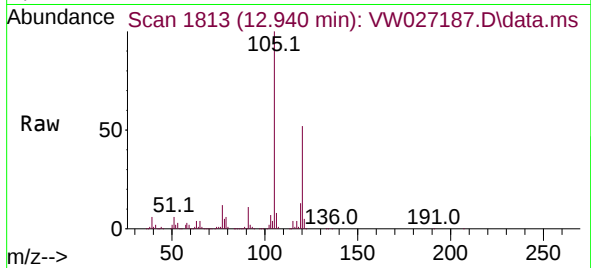




#62
1,3,5-Trimethylbenzene
Concen: 4.462 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW027187.D
Acq: 27 Sep 2023 10:55

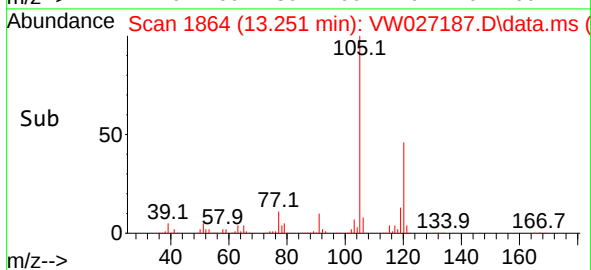
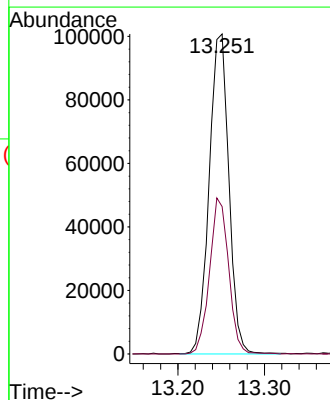
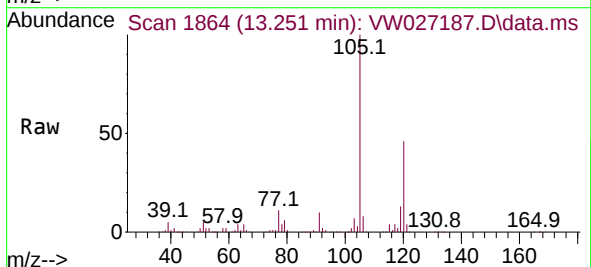
Instrument :
MSVOA_W
ClientSampleId :

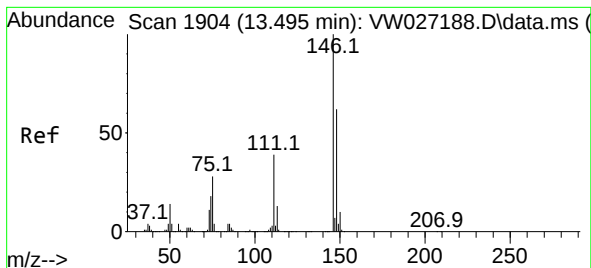
Tgt Ion:105 Resp: 162652
Ion Ratio Lower Upper
105 100
120 49.9 40.8 61.2



#63
1,2,4-Trimethylbenzene
Concen: 4.459 ug/L
RT: 13.251 min Scan# 1864
Delta R.T. 0.006 min
Lab File: VW027187.D
Acq: 27 Sep 2023 10:55

Tgt Ion:105 Resp: 159296
Ion Ratio Lower Upper
105 100
120 47.0 36.8 55.2





#64

1,3-Dichlorobenzene

Concen: 5.134 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW027187.D

Acq: 27 Sep 2023 10:55

Instrument :

MSVOA_W

ClientSampleId :

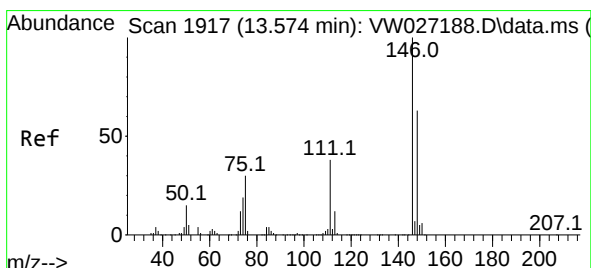
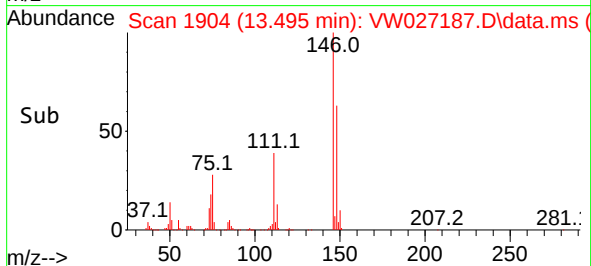
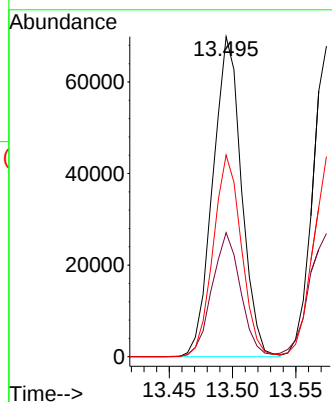
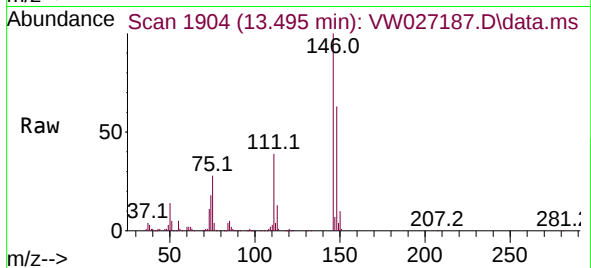
Tgt Ion:146 Resp: 110167

Ion Ratio Lower Upper

146 100

111 38.8 26.9 50.1

148 63.0 43.3 80.5



#65

1,4-Dichlorobenzene

Concen: 5.075 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW027187.D

Acq: 27 Sep 2023 10:55

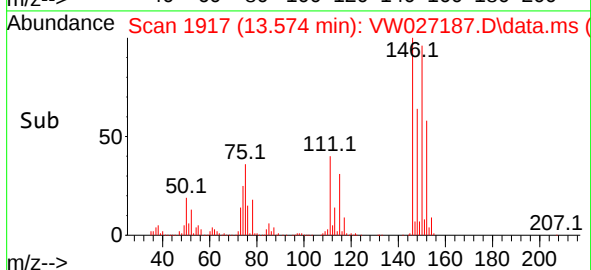
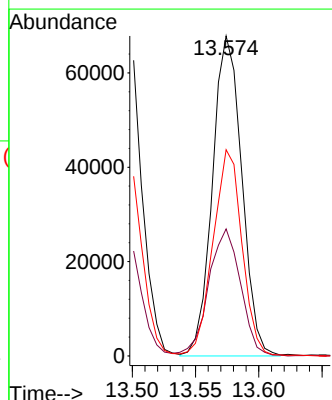
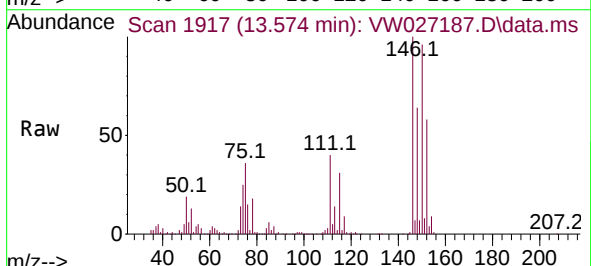
Tgt Ion:146 Resp: 109405

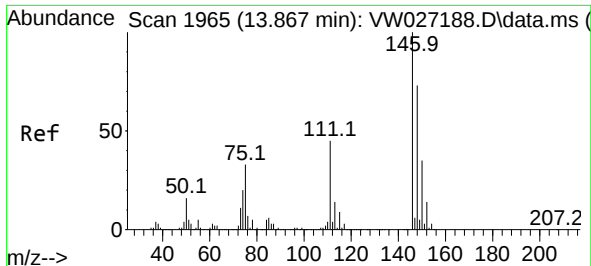
Ion Ratio Lower Upper

146 100

111 39.7 26.9 50.1

148 64.5 43.9 81.5





#67

1,2-Dichlorobenzene

Concen: 4.954 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

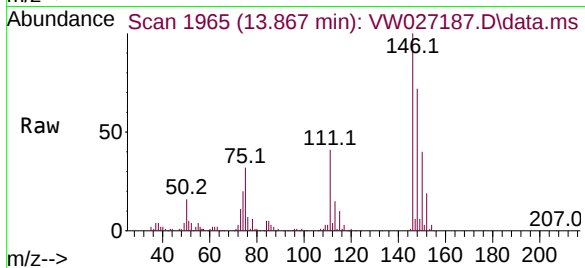
Lab File: VW027187.D

Acq: 27 Sep 2023 10:55

Instrument :

MSVOA_W

ClientSampleId :



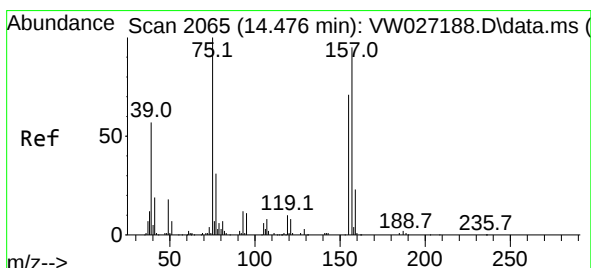
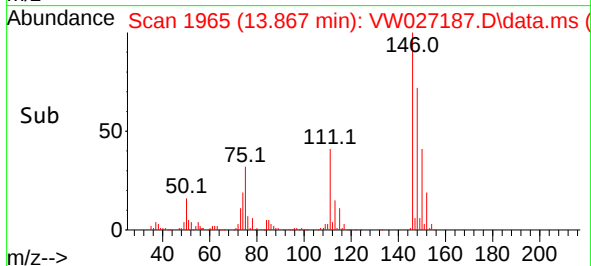
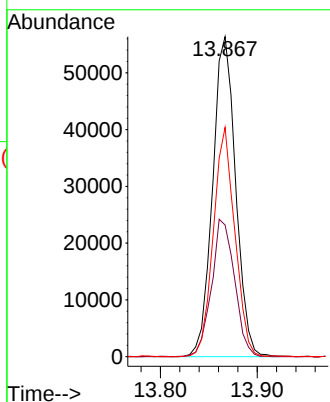
Tgt Ion:146 Resp: 93176

Ion Ratio Lower Upper

146 100

111 41.1 35.6 53.4

148 71.7 58.4 87.6



#68

1,2-Dibromo-3-chloropropane

Concen: 4.528 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. 0.000 min

Lab File: VW027187.D

Acq: 27 Sep 2023 10:55

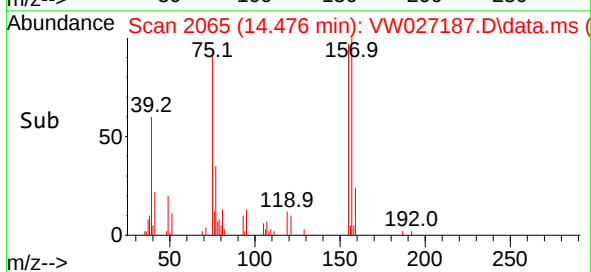
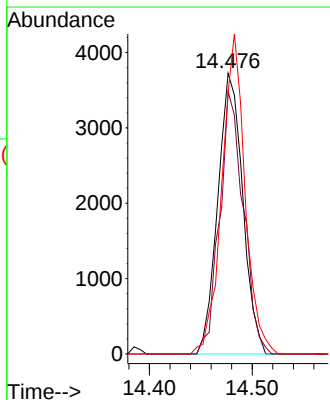
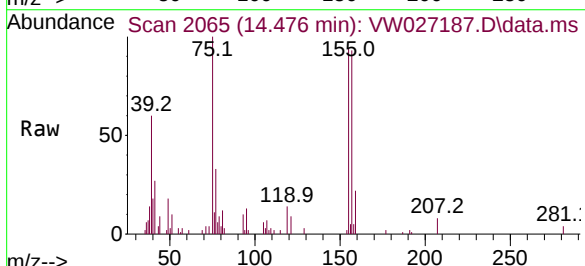
Tgt Ion: 75 Resp: 6270

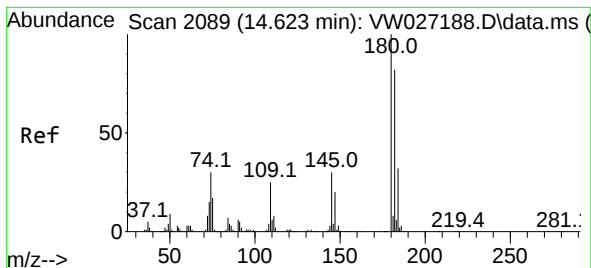
Ion Ratio Lower Upper

75 100

155 93.5 56.5 84.7#

157 93.1 75.9 113.9





#69

1,3,5-Trichlorobenzene

Concen: 5.083 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

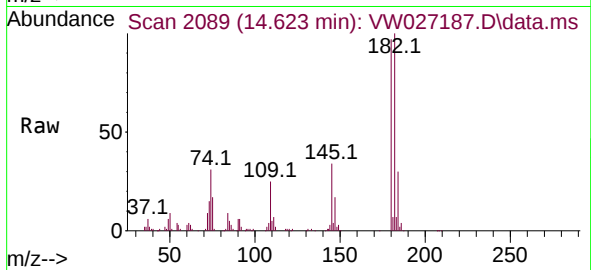
Lab File: VW027187.D

Acq: 27 Sep 2023 10:55

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:180 Resp: 70234

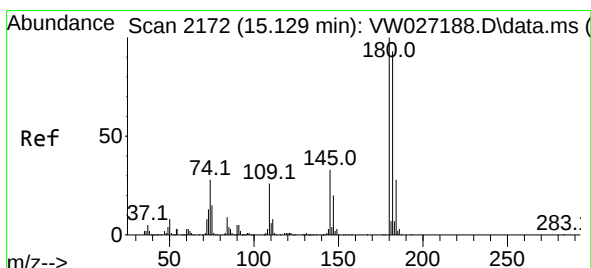
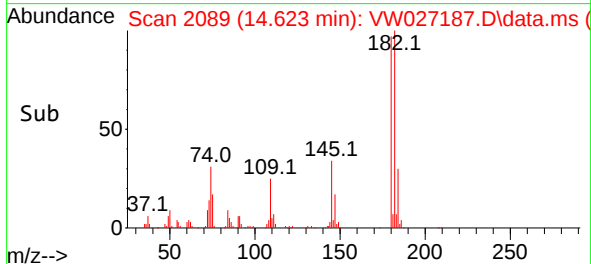
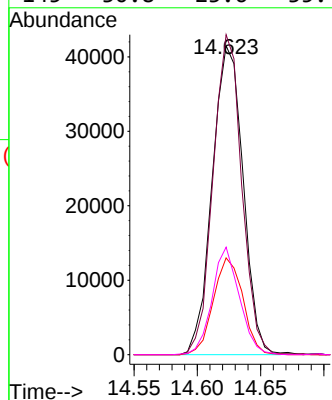
Ion Ratio Lower Upper

180 100

182 96.1 70.2 105.2

184 30.0 24.6 37.0

145 30.8 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 4.822 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW027187.D

Acq: 27 Sep 2023 10:55

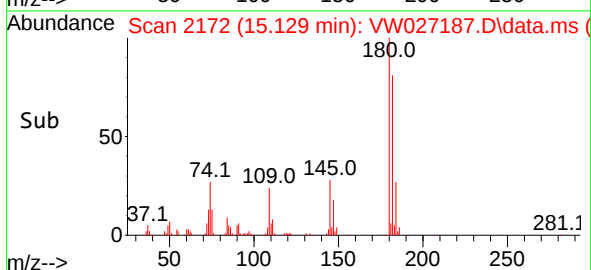
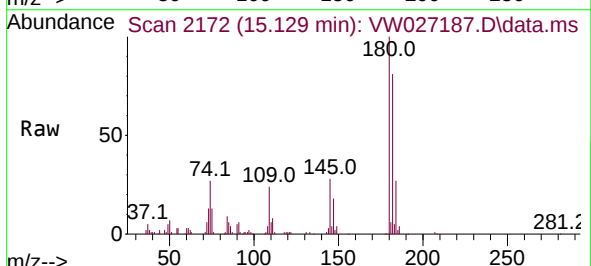
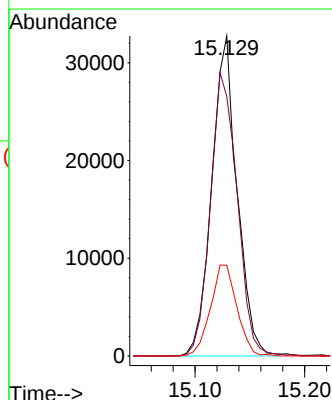
Tgt Ion:180 Resp: 52565

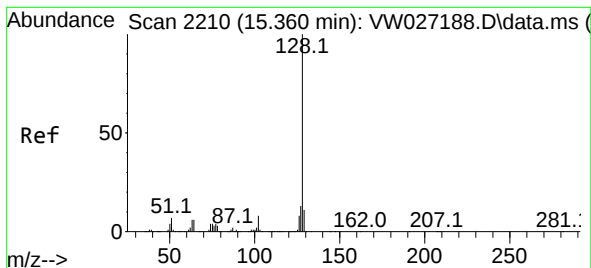
Ion Ratio Lower Upper

180 100

182 93.6 77.4 116.2

145 29.6 24.3 36.5





#71

Naphthalene

Concen: 4.176 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW027187.D

Acq: 27 Sep 2023 10:55

Instrument :

MSVOA_W

ClientSampleId :

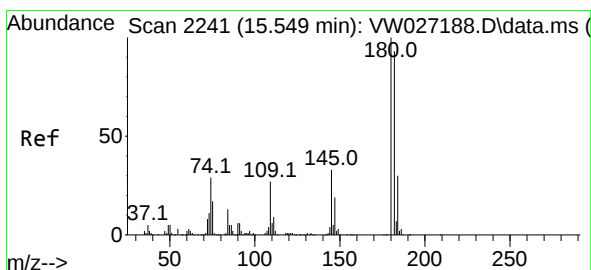
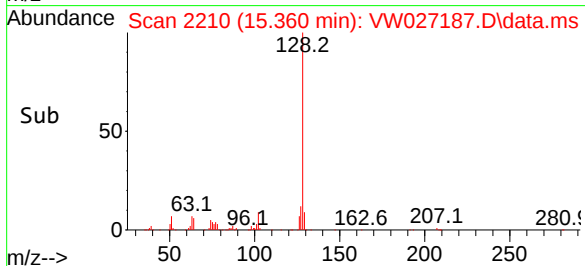
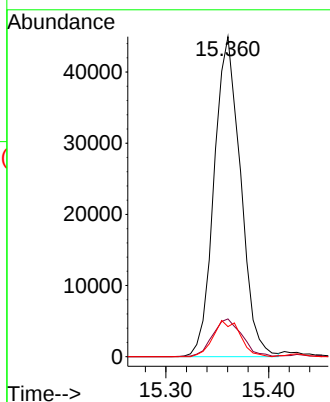
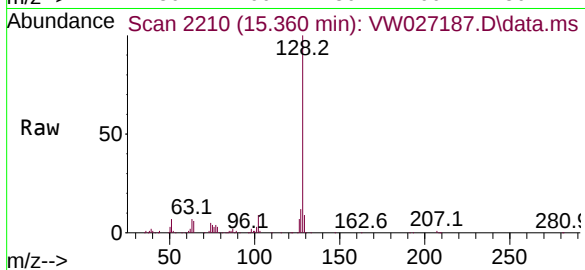
Tgt Ion:128 Resp: 80329

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

129 11.6 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 5.082 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VW027187.D

Acq: 27 Sep 2023 10:55

Tgt Ion:180 Resp: 49173

Ion Ratio Lower Upper

180 100

182 94.0 74.7 112.1

145 32.2 26.4 39.6

