

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122024\
 Data File : VW031453.D
 Acq On : 21 Dec 2024 02:15
 Operator : SY/MD
 Sample : P5331-03MSD
 Misc : 5.37g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 E2AQ1MSD

Quant Time: Dec 21 02:59:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Dec 20 23:42:37 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.837	114	807375	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	714546	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	307307	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.357	65	161240	13.273	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	53.080%
7) Chloroethane-d5	2.893	69	141046	15.696	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	62.800%
11) 1,1-Dichloroethene-d2	4.015	65	71660	12.436	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	49.760%
21) 2-Butanone-d5	7.093	46	45987	20.101	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	40.200%
24) Chloroform-d	7.648	84	353430	15.977	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	63.920%
26) 1,2-Dichloroethane-d4	8.301	65	187571	16.884	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	67.520%#
32) Benzene-d6	8.270	84	692944	15.130	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	60.520%
36) 1,2-Dichloropropane-d6	9.270	67	211540	15.848	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	63.400%#
41) Toluene-d8	10.325	98	622347	14.607	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	58.440%
43) trans-1,3-Dichloroprop...	10.575	79	69709	11.326	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	45.320%
47) 2-Hexanone-d5	10.922	63	37238	20.745	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	41.500%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	144739	17.271	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	69.080%
66) 1,2-Dichlorobenzene-d4	13.848	152	176184	15.443	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	61.760%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.009	85	67281	9.221	ug/L	94
3) Chloromethane	2.210	50	89810	10.956	ug/L	98
5) Vinyl chloride	2.363	62	130055	11.448	ug/L	99
6) Bromomethane	2.783	94	67613	9.681	ug/L	100
8) Chloroethane	2.930	64	92756	13.730	ug/L	98
9) Trichlorofluoromethane	3.259	101	135395	11.188	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	107570	11.007	ug/L	96
12) 1,1-Dichloroethene	4.033	96	105334	10.642	ug/L	82
13) Acetone	4.167	43	53580	16.817	ug/L #	100
14) Carbon disulfide	4.381	76	258669	8.013	ug/L	100
15) Methyl Acetate	4.691	43	25770	7.121	ug/L	98
16) Methylene chloride	4.917	84	140275	13.809	ug/L	97
17) trans-1,2-Dichloroethene	5.423	96	126413	11.849	ug/L	97
18) Methyl tert-butyl Ether	5.429	73	259314	14.539	ug/L	99
19) 1,1-Dichloroethane	6.216	63	261563	13.120	ug/L	98
20) cis-1,2-Dichloroethene	7.167	96	154660	13.398	ug/L	99
22) 2-Butanone	7.185	43	78729	20.394	ug/L	95
23) Bromochloromethane	7.514	128	66985	14.550	ug/L	84
25) Chloroform	7.673	83	279661	14.213	ug/L	98

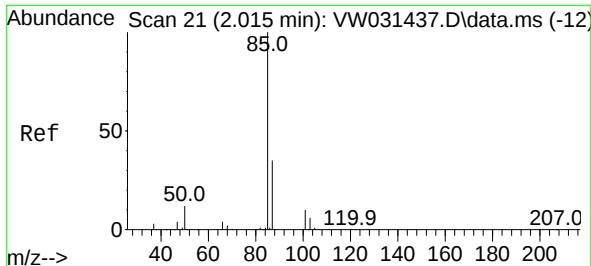
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 Quant Title : SFAM01.0
 QLast Update : Fri Dec 20 23:42:37 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	184802	14.939	ug/L	99
29) Cyclohexane	7.953	56	175631	9.063	ug/L	97
30) 1,1,1-Trichloroethane	7.874	97	202611	10.970	ug/L	98
31) Carbon tetrachloride	8.069	117	165781	10.075	ug/L	99
33) Benzene	8.319	78	559816	12.678	ug/L	100
34) Trichloroethene	9.087	95	145605	11.680	ug/L	99
35) Methylcyclohexane	9.331	83	188999	8.705	ug/L	96
37) 1,2-Dichloropropane	9.367	63	152085	13.806	ug/L	99
38) Bromodichloromethane	9.642	83	190561	13.307	ug/L	96
39) cis-1,3-Dichloropropene	10.069	75	190400	10.229	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	142669	24.412	ug/L	99
42) Toluene	10.386	91	592980	12.334	ug/L	97
44) trans-1,3-Dichloropropene	10.605	75	162396	10.684	ug/L	98
45) 1,1,2-Trichloroethane	10.788	97	108946	14.869	ug/L	98
46) Tetrachloroethene	10.861	164	96968	10.619	ug/L	99
48) 2-Hexanone	10.965	43	98800	19.877	ug/L	95
49) Dibromochloromethane	11.123	129	111778	12.870	ug/L	97
50) 1,2-Dibromoethane	11.233	107	97495	14.046	ug/L	97
51) Chlorobenzene	11.654	112	386127	12.810	ug/L	99
52) Ethylbenzene	11.727	91	647857	11.627	ug/L	94
53) m,p-Xylene	11.837	106	249267	11.752	ug/L	100
54) o-Xylene	12.160	106	247188	12.365	ug/L	96
55) Styrene	12.178	104	412362	12.401	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.708	83	120861	15.302	ug/L	100
59) Bromoform	12.349	173	52859	12.244	ug/L	99
60) Isopropylbenzene	12.458	105	613685	12.203	ug/L	98
61) 1,2,3-Trichloropropane	12.763	75	88101	16.754	ug/L	99
62) 1,3,5-Trimethylbenzene	12.934	105	500100	11.729	ug/L	95
63) 1,2,4-Trimethylbenzene	13.245	105	501138	12.161	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	257888	12.657	ug/L	92
65) 1,4-Dichlorobenzene	13.574	146	264653	13.109	ug/L	98
67) 1,2-Dichlorobenzene	13.861	146	241127	13.735	ug/L	90
68) 1,2-Dibromo-3-chloropr...	14.476	75	17403	13.041	ug/L	99
69) 1,3,5-Trichlorobenzene	14.623	180	148664	10.418	ug/L	99
70) 1,2,4-trichlorobenzene	15.123	180	115979	9.770	ug/L	99
71) Naphthalene	15.360	128	258303	12.412	ug/L	99
72) 1,2,3-Trichlorobenzene	15.543	180	107275	11.217	ug/L	99

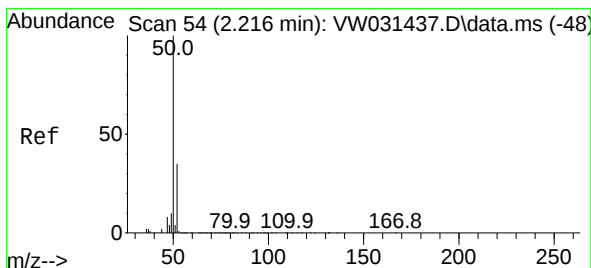
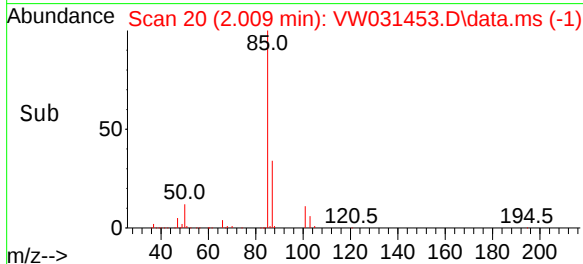
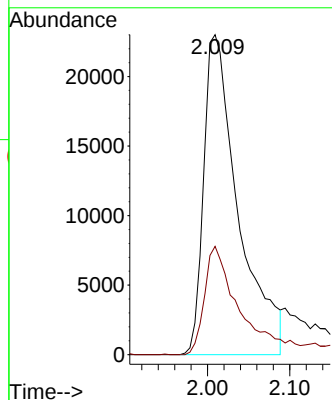
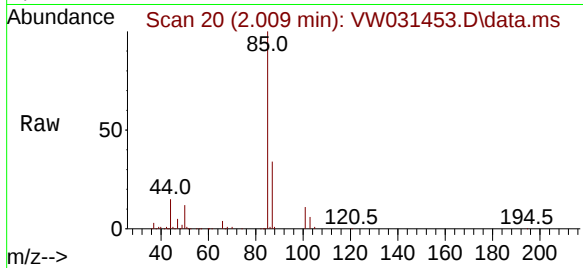
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 9.221 ug/L
RT: 2.009 min Scan# 20
Delta R.T. -0.006 min
Lab File: VW031453.D
Acq: 21 Dec 2024 02:15

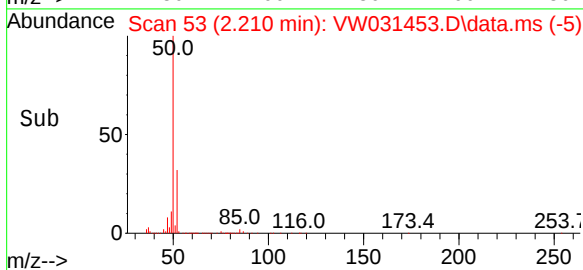
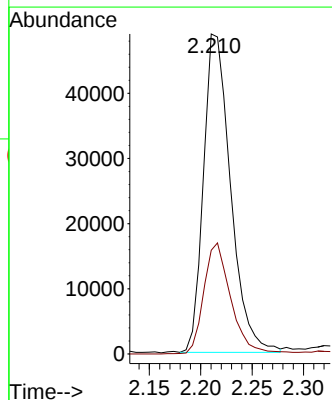
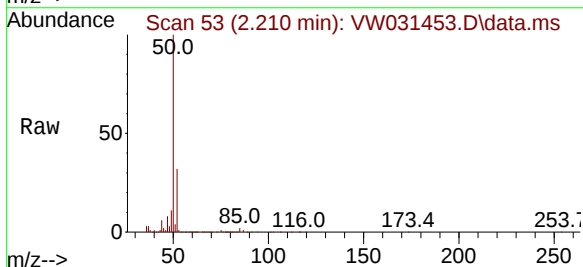
Instrument :
MSVOA_W
ClientSampleId :
E2AQ1MSD

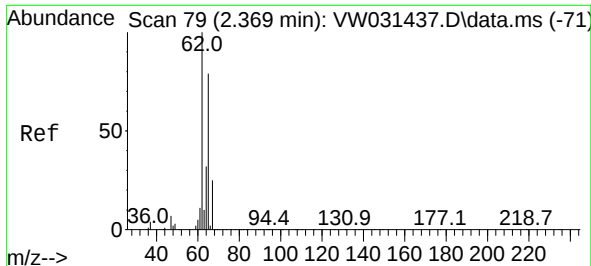
Tgt Ion: 85 Resp: 67281
Ion Ratio Lower Upper
85 100
87 34.5 24.9 37.3



#3
Chloromethane
Concen: 10.956 ug/L
RT: 2.210 min Scan# 53
Delta R.T. -0.006 min
Lab File: VW031453.D
Acq: 21 Dec 2024 02:15

Tgt Ion: 50 Resp: 89810
Ion Ratio Lower Upper
50 100
52 32.4 22.0 41.0

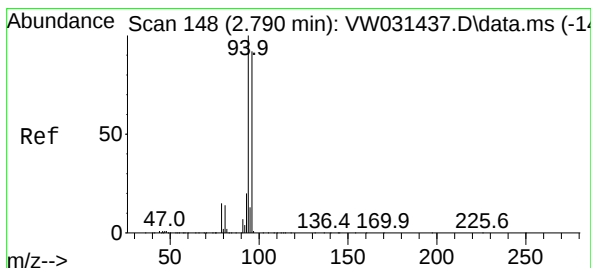
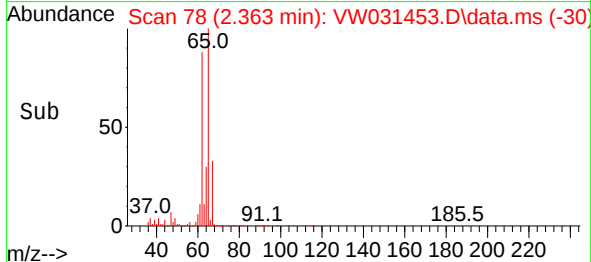
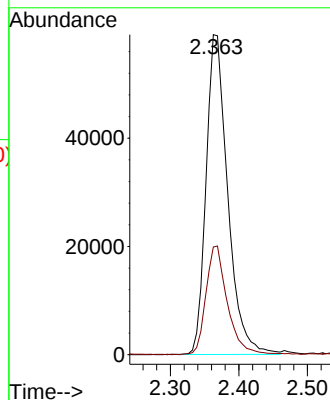
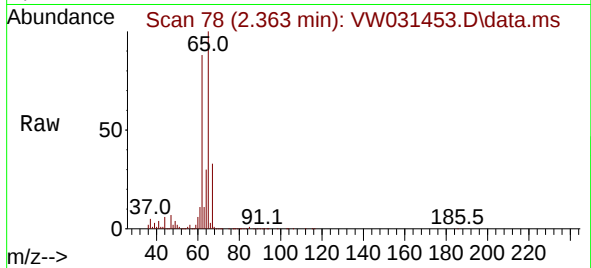




#5
 Vinyl chloride
 Concen: 11.448 ug/L
 RT: 2.363 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: VW031453.D
 Acq: 21 Dec 2024 02:15

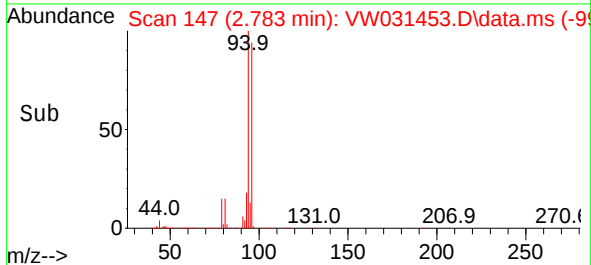
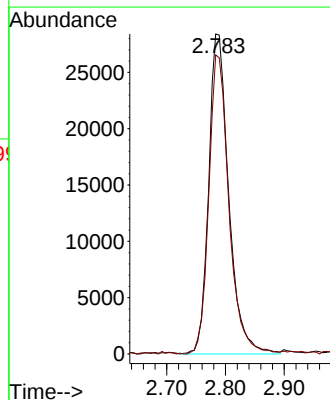
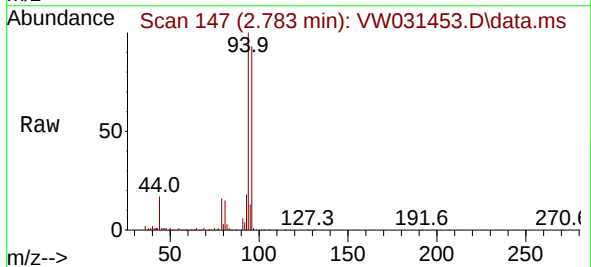
Instrument :
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 ClientSampleId :
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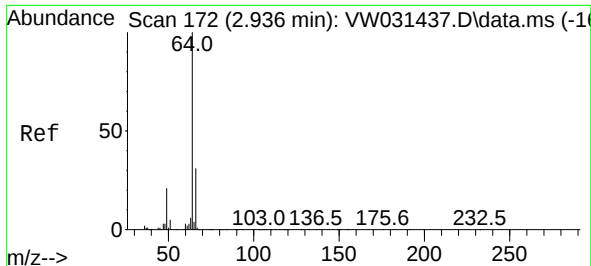
Tgt Ion: 62 Resp: 130055
 Ion Ratio Lower Upper
 62 100
 64 33.7 24.1 44.8



#6
 Bromomethane
 Concen: 9.681 ug/L
 RT: 2.783 min Scan# 147
 Delta R.T. -0.006 min
 Lab File: VW031453.D
 Acq: 21 Dec 2024 02:15

Tgt Ion: 94 Resp: 67613
 Ion Ratio Lower Upper
 94 100
 96 93.5 65.6 121.8

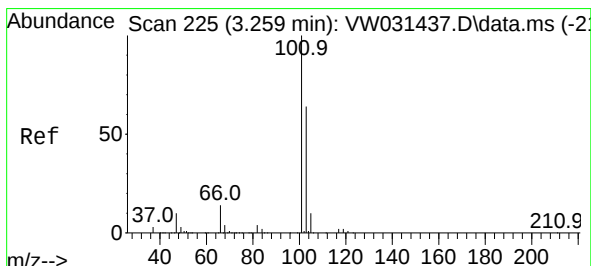
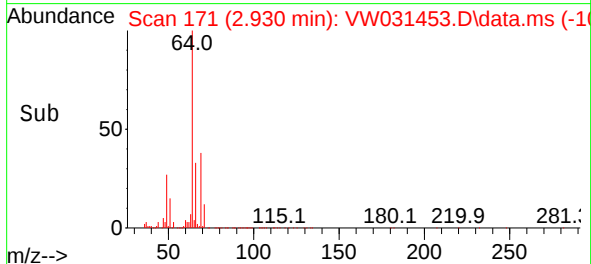
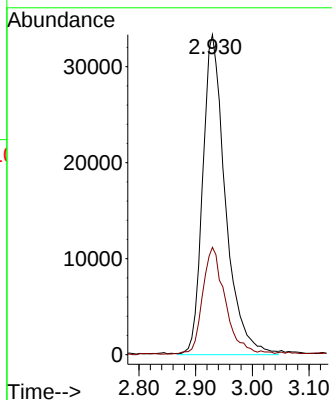
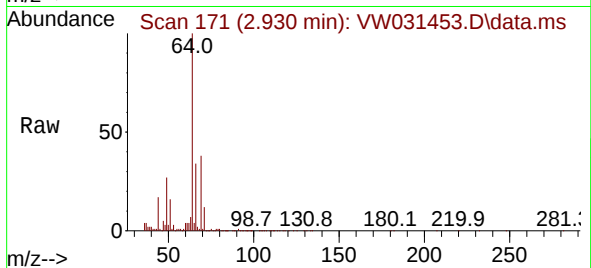




#8
Chloroethane
Concen: 13.730 ug/L
RT: 2.930 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW031453.D
Acq: 21 Dec 2024 02:15

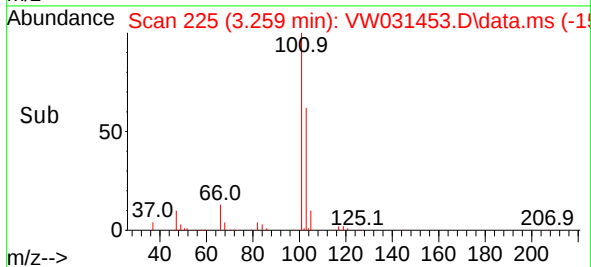
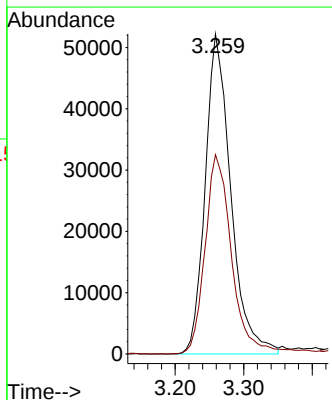
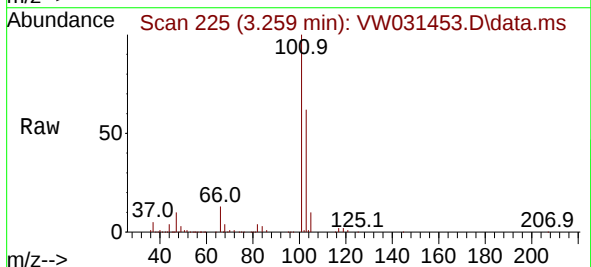
Instrument :
MSVOA_W
ClientSampleId :
E2AQ1MSD

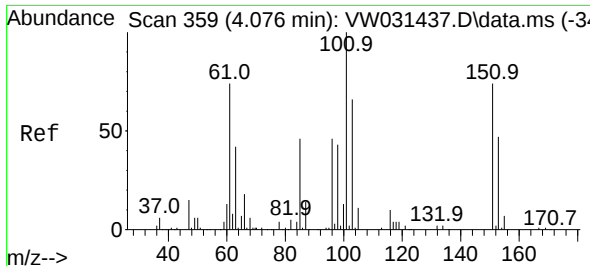
Tgt Ion: 64 Resp: 92756
Ion Ratio Lower Upper
64 100
66 33.6 22.7 42.3



#9
Trichlorofluoromethane
Concen: 11.188 ug/L
RT: 3.259 min Scan# 225
Delta R.T. -0.000 min
Lab File: VW031453.D
Acq: 21 Dec 2024 02:15

Tgt Ion:101 Resp: 135395
Ion Ratio Lower Upper
101 100
103 64.3 51.6 77.4





#10

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

Concen: 11.007 ug/L

RT: 4.070 min Scan# 359

Delta R.T. -0.006 min

Lab File: VW031453.D

Acq: 21 Dec 2024 02:15

Instrument :

MSVOA_W

ClientSampleId :

E2AQ1MSD

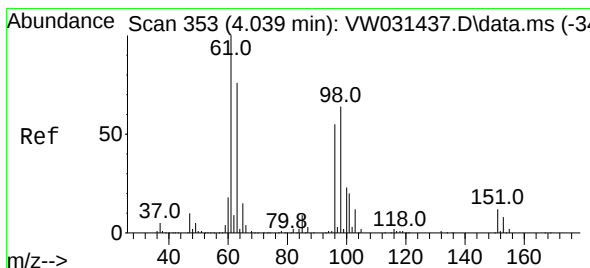
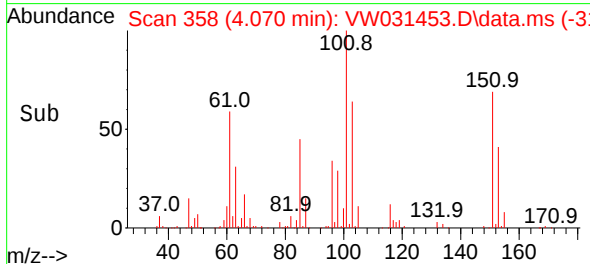
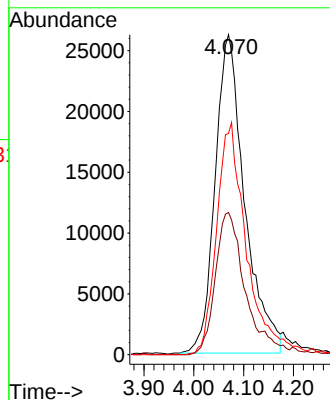
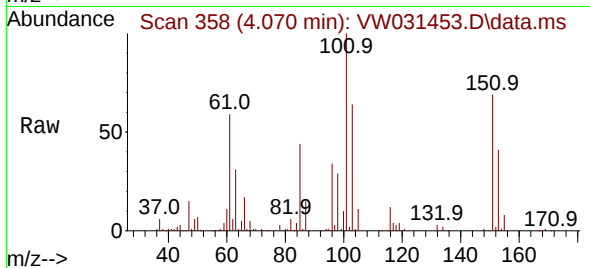
Tgt Ion:101 Resp: 107570

Ion Ratio Lower Upper

101 100

85 41.4 33.0 49.4

151 73.7 54.8 82.2



#12

1,1-Dichloroethene

Concen: 10.642 ug/L

RT: 4.033 min Scan# 352

Delta R.T. -0.006 min

Lab File: VW031453.D

Acq: 21 Dec 2024 02:15

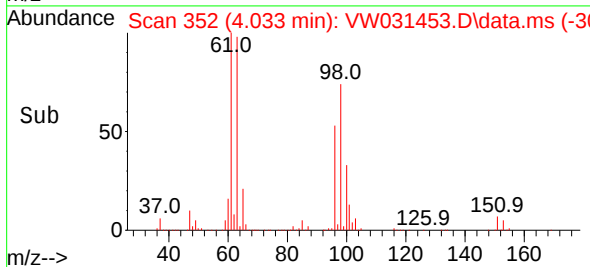
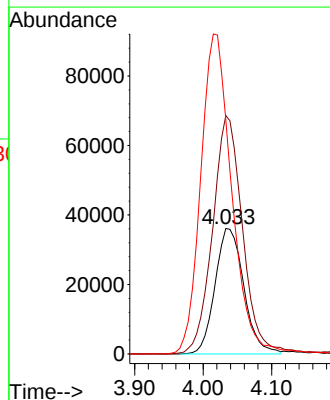
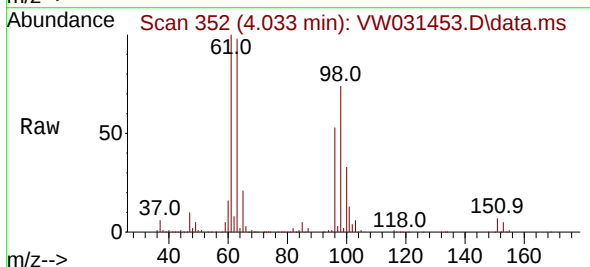
Tgt Ion: 96 Resp: 105334

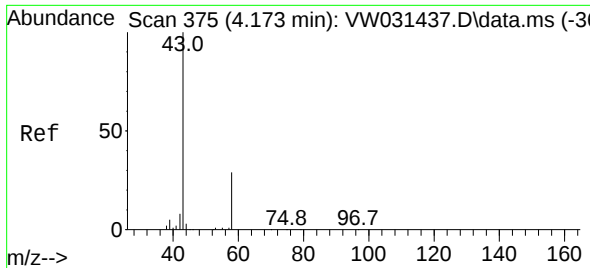
Ion Ratio Lower Upper

96 100

61 189.9 125.3 232.7

63 186.6 104.6 194.2

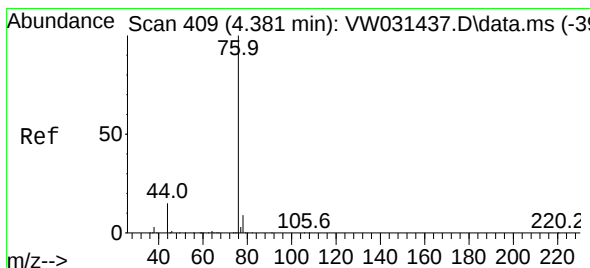
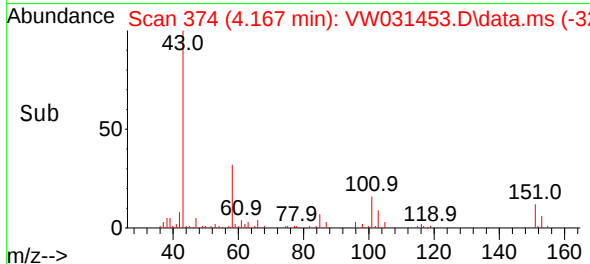
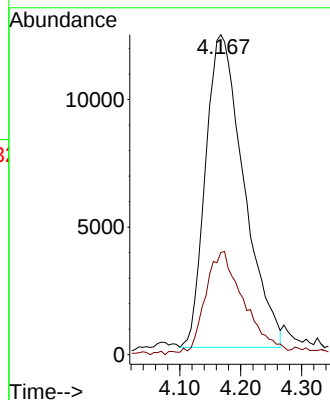
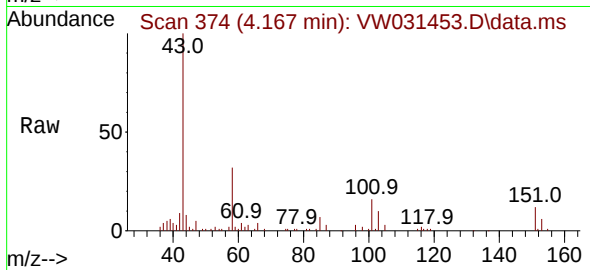




#13
Acetone
Concen: 16.817 ug/L
RT: 4.167 min Scan# 31
Delta R.T. -0.006 min
Lab File: VW031453.D
Acq: 21 Dec 2024 02:15

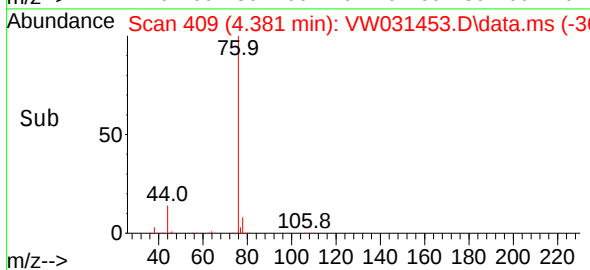
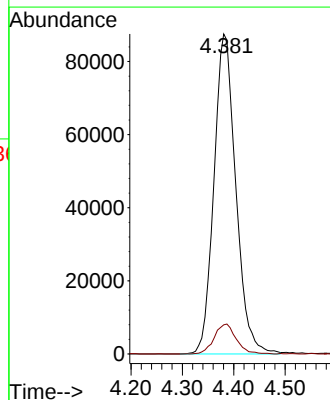
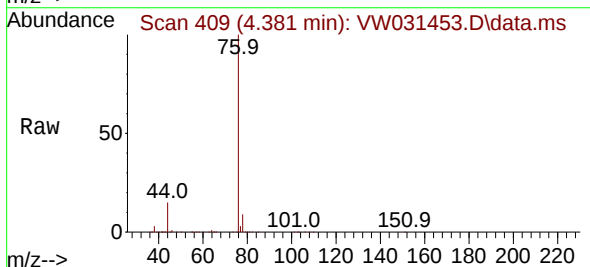
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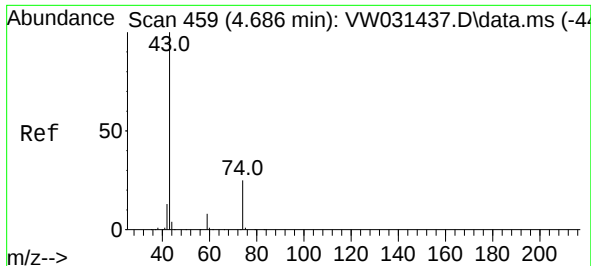
Tgt Ion: 43 Resp: 53580
Ion Ratio Lower Upper
43 100
58 32.2 0.0 0.0#



#14
Carbon disulfide
Concen: 8.013 ug/L
RT: 4.381 min Scan# 409
Delta R.T. -0.000 min
Lab File: VW031453.D
Acq: 21 Dec 2024 02:15

Tgt Ion: 76 Resp: 258669
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9





#15

Methyl Acetate

Concen: 7.121 ug/L

RT: 4.691 min Scan# 4

Delta R.T. 0.006 min

Lab File: VW031453.D

Acq: 21 Dec 2024 02:15

Instrument :

MSVOA_W

ClientSampleId :

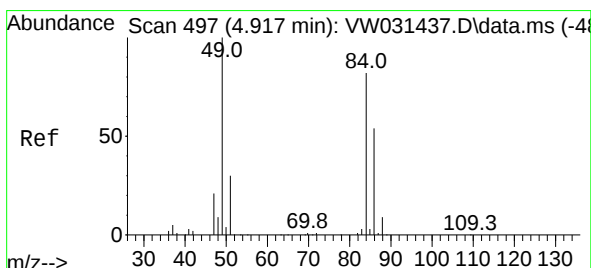
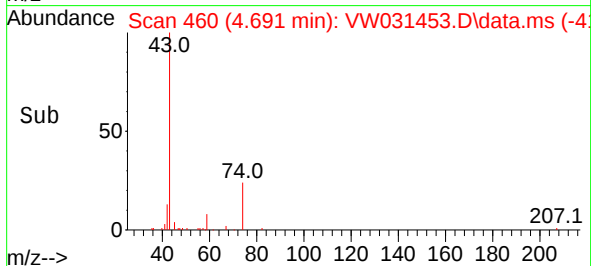
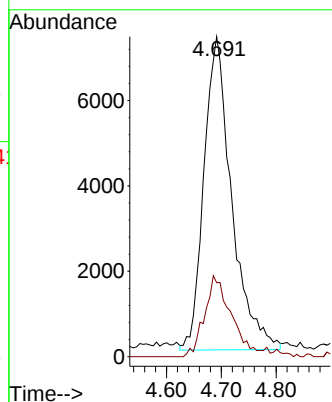
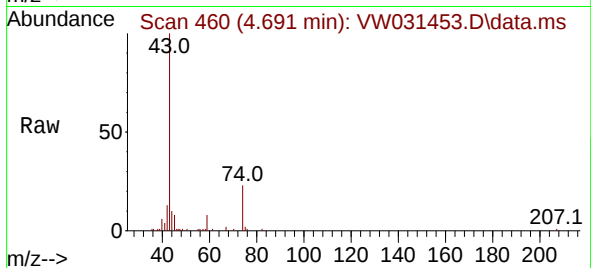
E2AQ1MSD

Tgt Ion: 43 Resp: 25770

Ion Ratio Lower Upper

43 100

74 24.4 18.9 28.3



#16

Methylene chloride

Concen: 13.809 ug/L

RT: 4.917 min Scan# 497

Delta R.T. -0.000 min

Lab File: VW031453.D

Acq: 21 Dec 2024 02:15

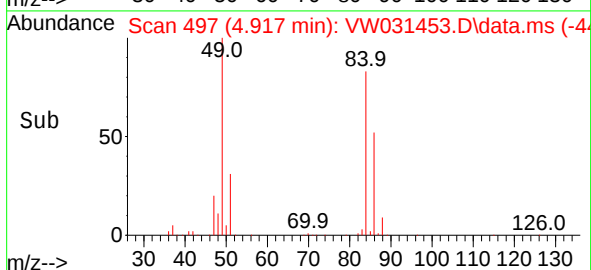
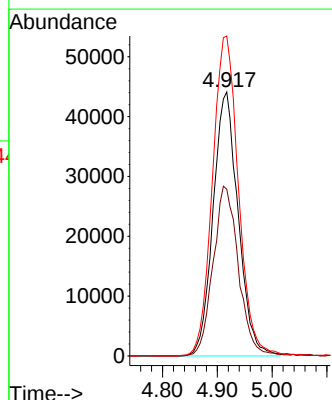
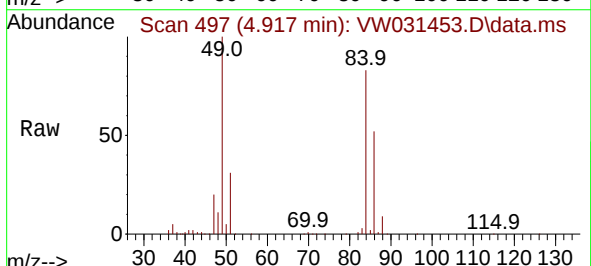
Tgt Ion: 84 Resp: 140275

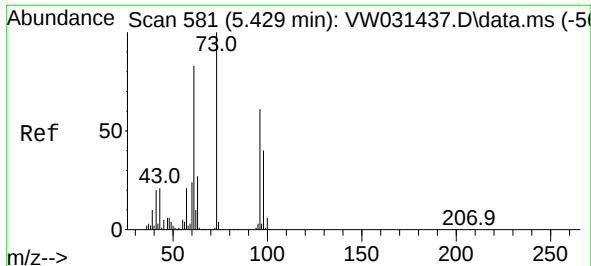
Ion Ratio Lower Upper

84 100

86 63.1 44.7 82.9

49 121.2 88.3 164.1





#17

trans-1,2-Dichloroethene

Concen: 11.849 ug/L

RT: 5.423 min Scan# 581

Delta R.T. -0.006 min

Lab File: VW031453.D

Acq: 21 Dec 2024 02:15

Instrument :

MSVOA_W

ClientSampleId :

E2AQ1MSD

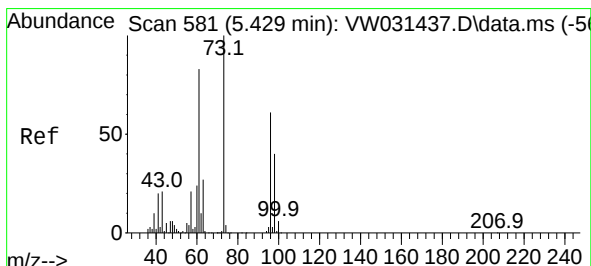
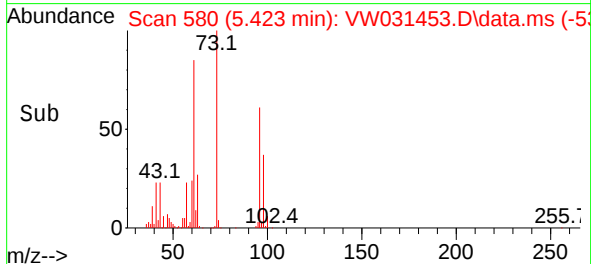
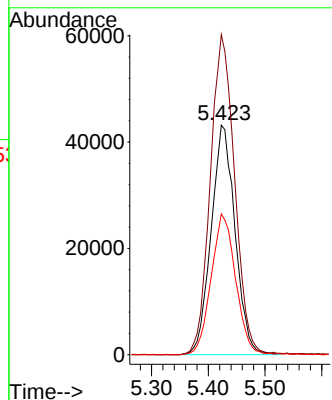
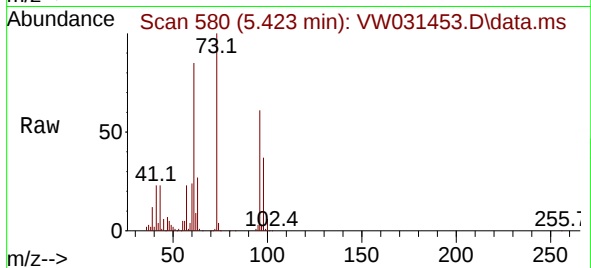
Tgt Ion: 96 Resp: 126413

Ion Ratio Lower Upper

96 100

61 139.4 100.7 187.1

98 61.4 43.8 81.3



#18

Methyl tert-butyl Ether

Concen: 14.539 ug/L

RT: 5.429 min Scan# 581

Delta R.T. -0.000 min

Lab File: VW031453.D

Acq: 21 Dec 2024 02:15

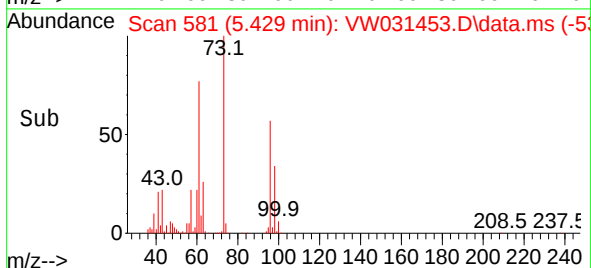
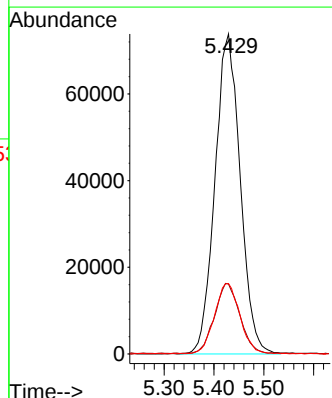
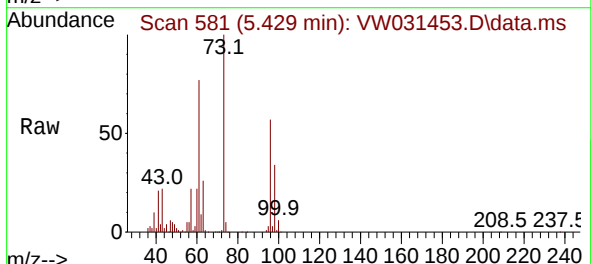
Tgt Ion: 73 Resp: 259314

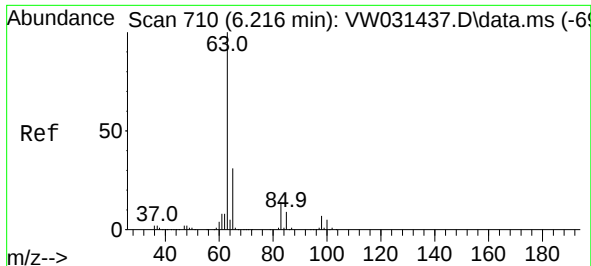
Ion Ratio Lower Upper

73 100

43 21.9 17.9 26.9

57 22.3 17.9 26.9

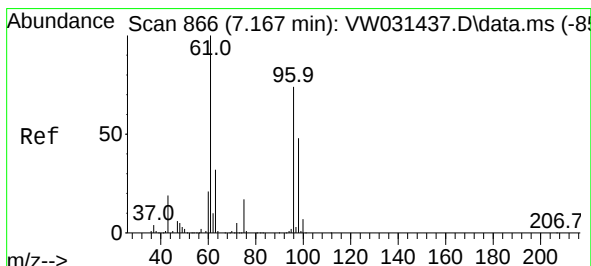
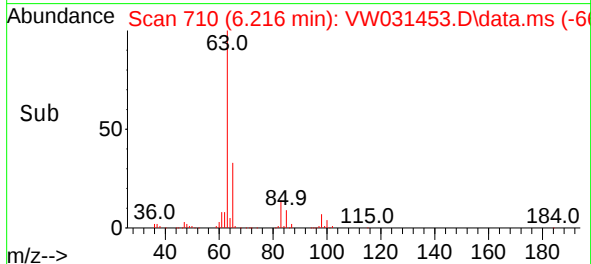
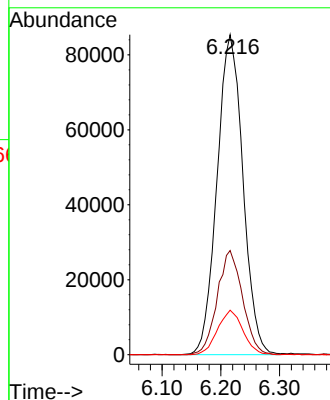
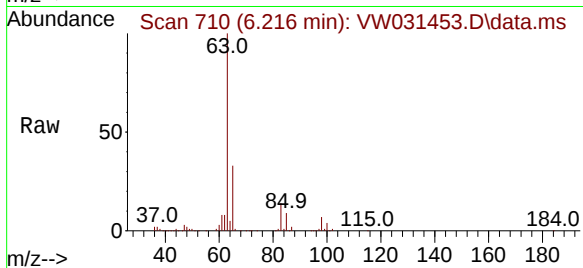




#19
1,1-Dichloroethane
Concen: 13.120 ug/L
RT: 6.216 min Scan# 710
Delta R.T. -0.000 min
Lab File: VW031453.D
Acq: 21 Dec 2024 02:15

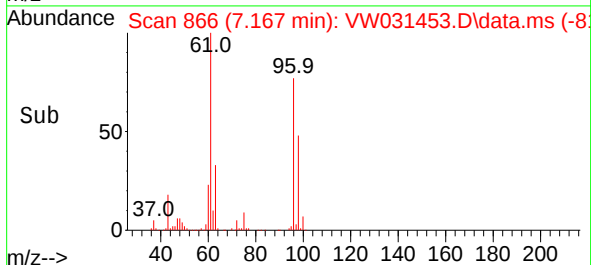
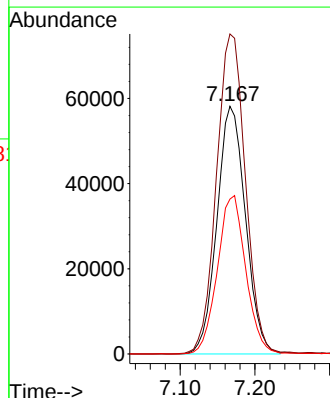
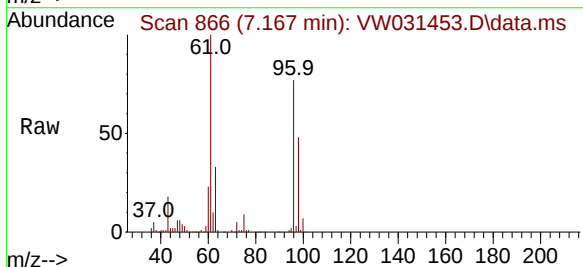
Instrument :
MSVOA_W
ClientSampleId :
E2AQ1MSD

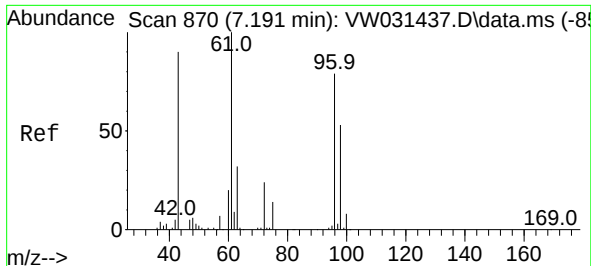
Tgt Ion: 63 Resp: 261563
Ion Ratio Lower Upper
63 100
65 32.5 21.9 40.7
83 13.9 9.3 17.3



#20
cis-1,2-Dichloroethene
Concen: 13.398 ug/L
RT: 7.167 min Scan# 866
Delta R.T. -0.000 min
Lab File: VW031453.D
Acq: 21 Dec 2024 02:15

Tgt Ion: 96 Resp: 154660
Ion Ratio Lower Upper
96 100
61 129.2 92.2 171.2
98 62.6 43.7 81.1





#22

2-Butanone

Concen: 20.394 ug/L

RT: 7.185 min Scan# 8

Delta R.T. -0.006 min

Lab File: VW031453.D

Acq: 21 Dec 2024 02:15

Instrument :

MSVOA_W

ClientSampleId :

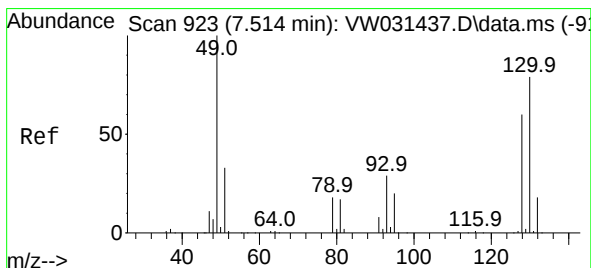
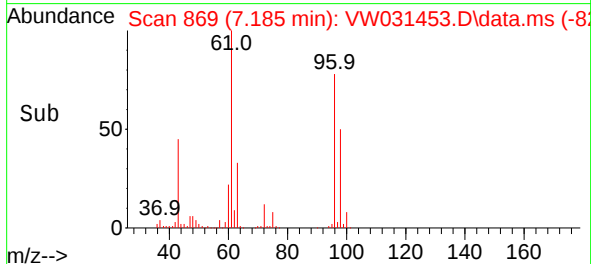
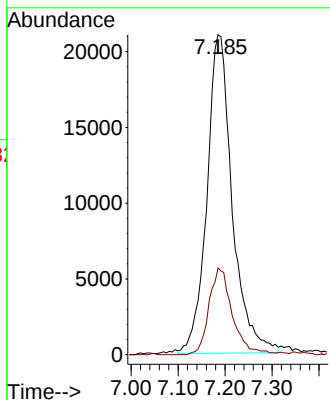
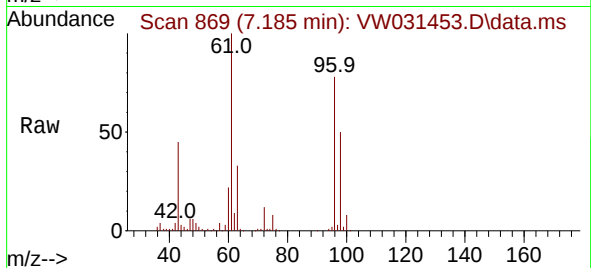
E2AQ1MSD

Tgt Ion: 43 Resp: 78729

Ion Ratio Lower Upper

43 100

72 24.2 13.3 39.8



#23

Bromochloromethane

Concen: 14.550 ug/L

RT: 7.514 min Scan# 923

Delta R.T. -0.000 min

Lab File: VW031453.D

Acq: 21 Dec 2024 02:15

Tgt Ion:128 Resp: 66985

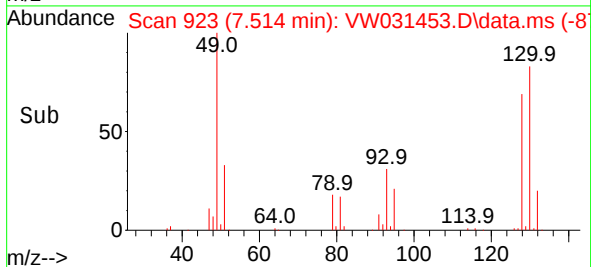
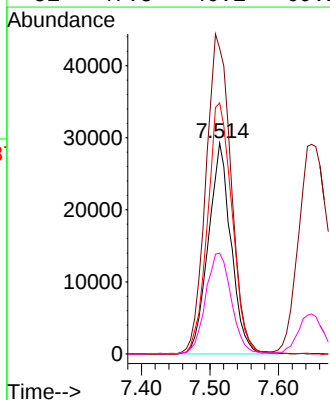
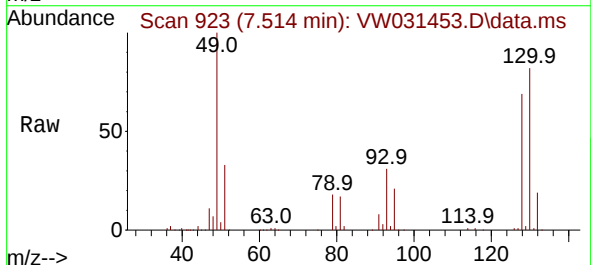
Ion Ratio Lower Upper

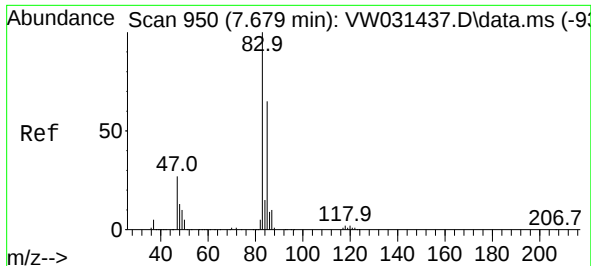
128 100

49 144.9 123.7 229.7

130 119.1 90.3 167.7

51 47.8 46.1 69.1





#25

Chloroform

Concen: 14.213 ug/L

RT: 7.673 min Scan# 949

Delta R.T. -0.006 min

Lab File: VW031453.D

Acq: 21 Dec 2024 02:15

Instrument :

MSVOA_W

ClientSampleId :

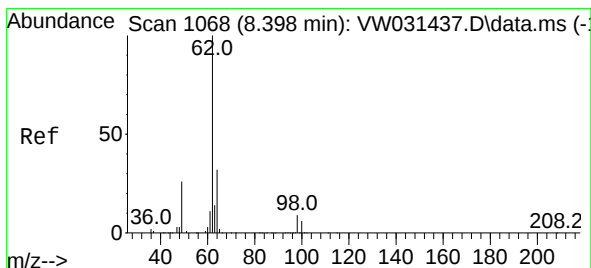
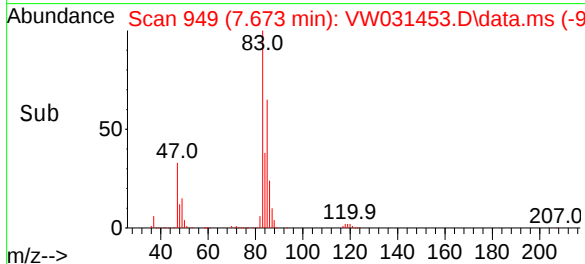
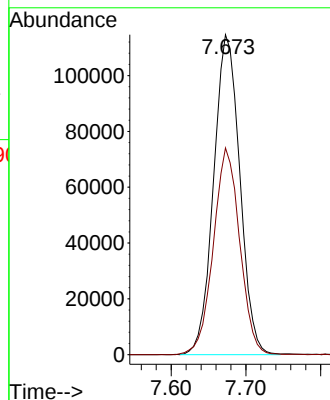
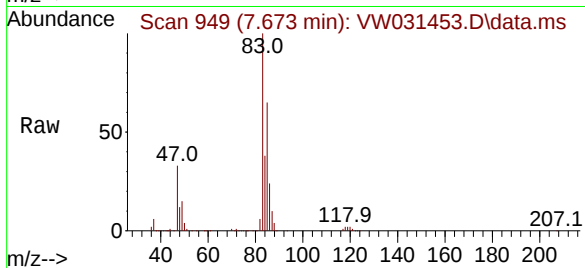
E2AQ1MSD

Tgt Ion: 83 Resp: 279661

Ion Ratio Lower Upper

83 100

85 64.6 46.1 85.5



#27

1,2-Dichloroethane

Concen: 14.939 ug/L

RT: 8.398 min Scan# 1068

Delta R.T. -0.000 min

Lab File: VW031453.D

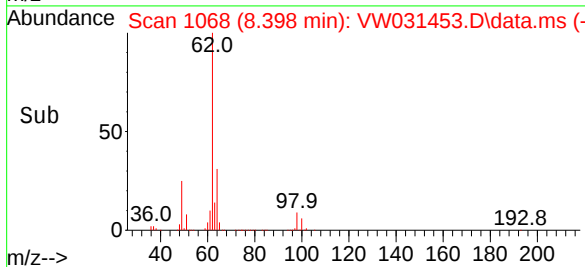
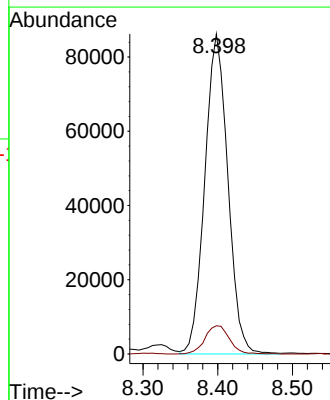
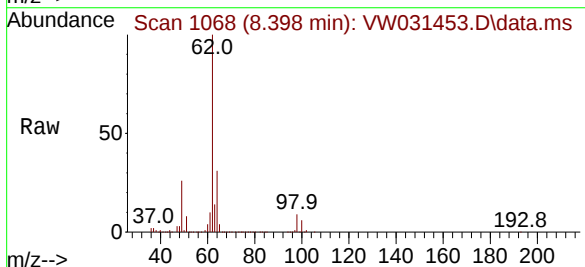
Acq: 21 Dec 2024 02:15

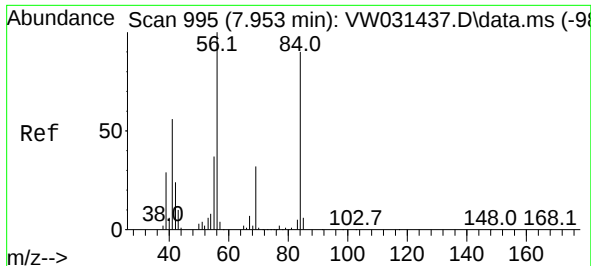
Tgt Ion: 62 Resp: 184802

Ion Ratio Lower Upper

62 100

98 8.8 7.2 10.8

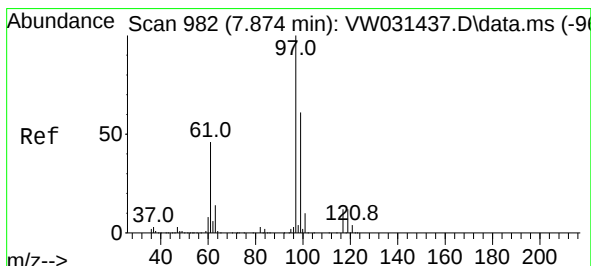
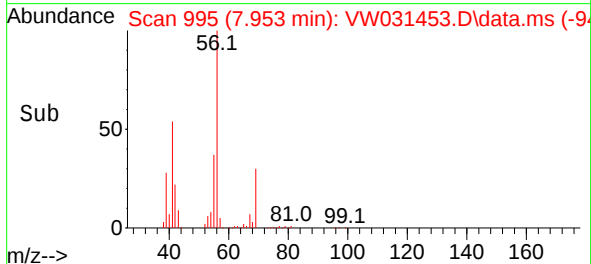
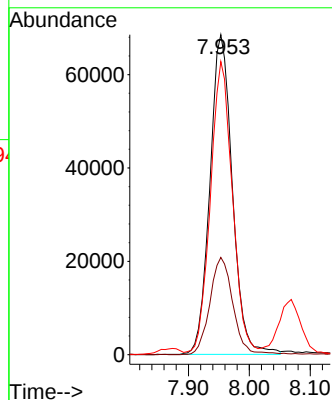
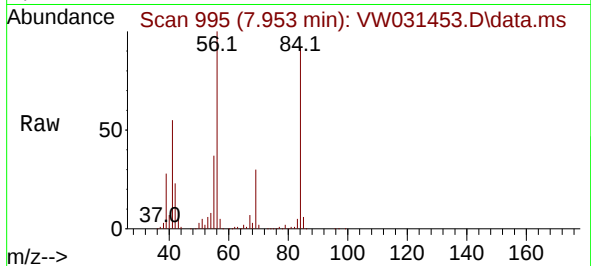




#29
Cyclohexane
Concen: 9.063 ug/L
RT: 7.953 min Scan# 995
Delta R.T. -0.000 min
Lab File: VW031453.D
Acq: 21 Dec 2024 02:15

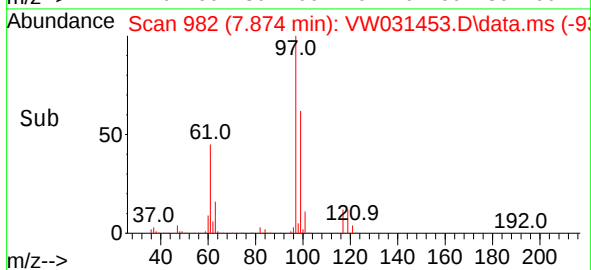
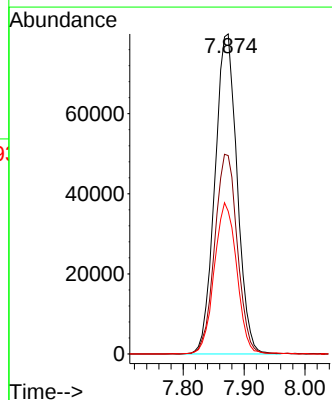
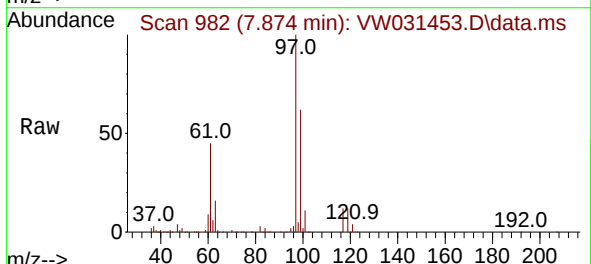
Instrument :
MSVOA_W
ClientSampleId :
E2AQ1MSD

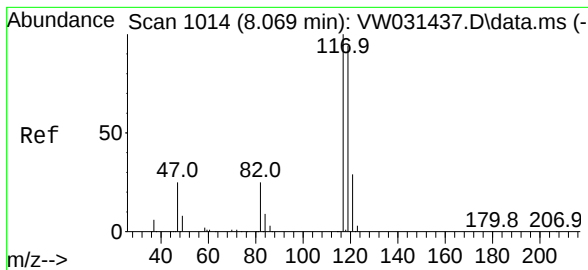
Tgt Ion: 56 Resp: 175631
Ion Ratio Lower Upper
56 100
69 30.7 25.0 37.4
84 89.7 68.9 103.3



#30
1,1,1-Trichloroethane
Concen: 10.970 ug/L
RT: 7.874 min Scan# 982
Delta R.T. -0.000 min
Lab File: VW031453.D
Acq: 21 Dec 2024 02:15

Tgt Ion: 97 Resp: 202611
Ion Ratio Lower Upper
97 100
99 63.6 51.1 76.7
61 47.6 36.3 54.5

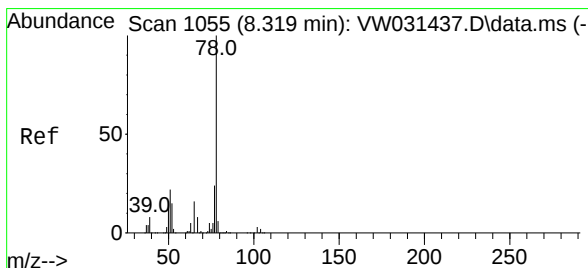
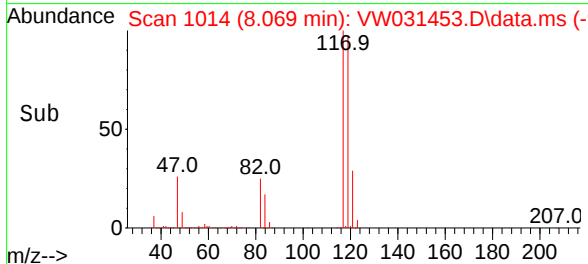
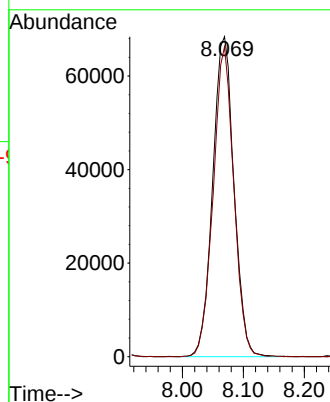
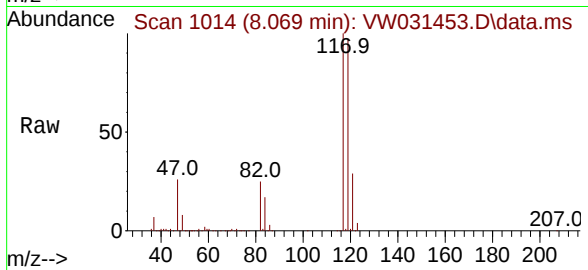




#31
Carbon tetrachloride
Concen: 10.075 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. -0.000 min
Lab File: VW031453.D
Acq: 21 Dec 2024 02:15

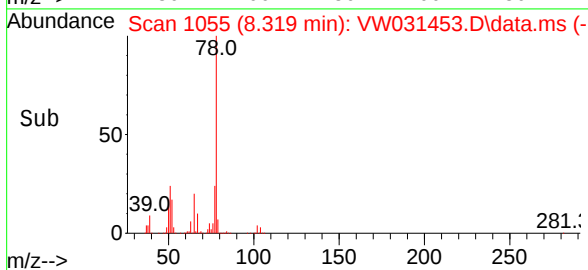
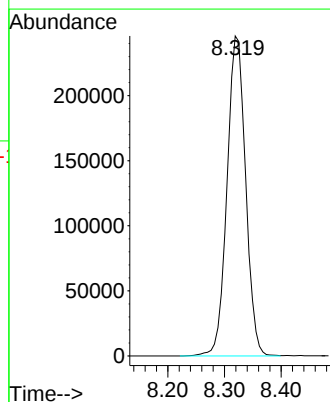
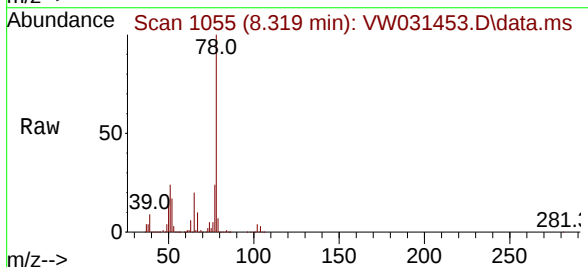
Instrument : MSVOA_W
ClientSampleId : E2AQ1MSD

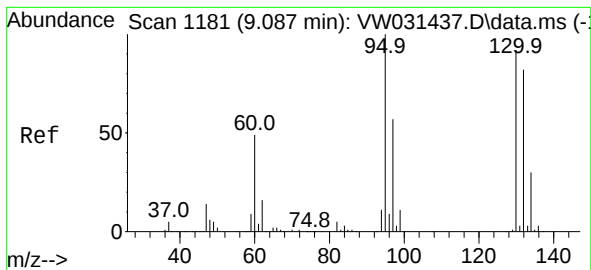
Tgt Ion:117 Resp: 165781
Ion Ratio Lower Upper
117 100
119 93.8 76.0 114.0



#33
Benzene
Concen: 12.678 ug/L
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW031453.D
Acq: 21 Dec 2024 02:15

Tgt Ion: 78 Resp: 559816





#34

Trichloroethene

Concen: 11.680 ug/L

RT: 9.087 min Scan# 1181

Delta R.T. -0.000 min

Lab File: VW031453.D

Acq: 21 Dec 2024 02:15

Instrument :

MSVOA_W

ClientSampleId :

E2AQ1MSD

Tgt Ion: 95 Resp: 145605

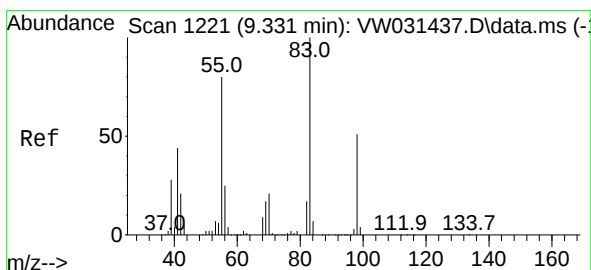
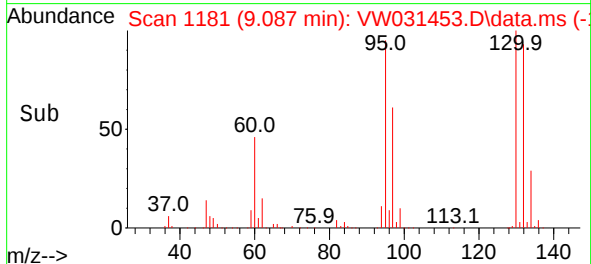
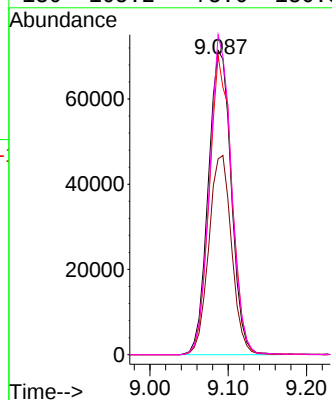
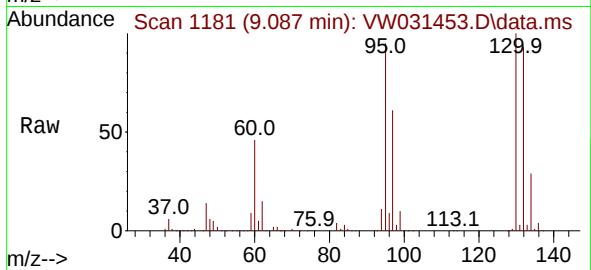
Ion Ratio Lower Upper

95 100

97 64.4 46.5 86.3

132 98.2 70.3 130.5

130 105.2 73.6 136.8



#35

Methylcyclohexane

Concen: 8.705 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. -0.000 min

Lab File: VW031453.D

Acq: 21 Dec 2024 02:15

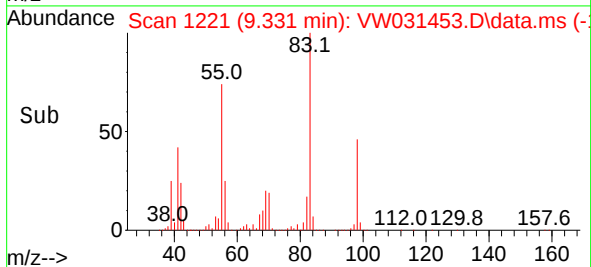
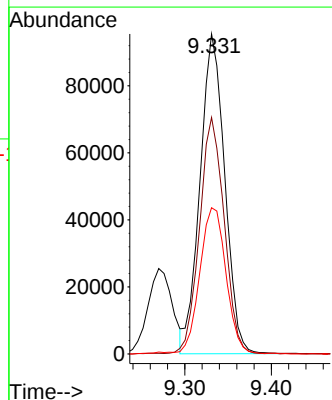
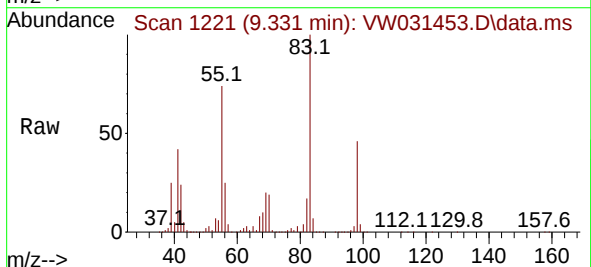
Tgt Ion: 83 Resp: 188999

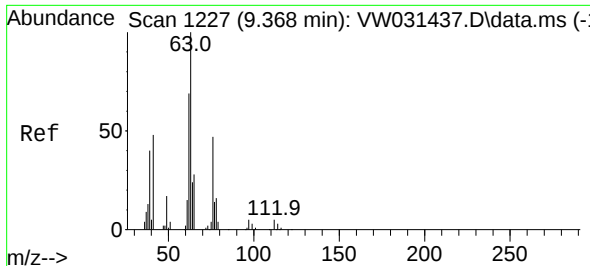
Ion Ratio Lower Upper

83 100

55 73.3 62.6 93.8

98 48.5 39.8 59.6





#37

1,2-Dichloropropane

Concen: 13.806 ug/L

RT: 9.367 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VW031453.D

Acq: 21 Dec 2024 02:15

Instrument :

MSVOA_W

ClientSampleId :

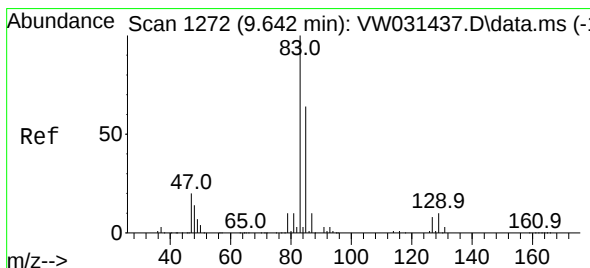
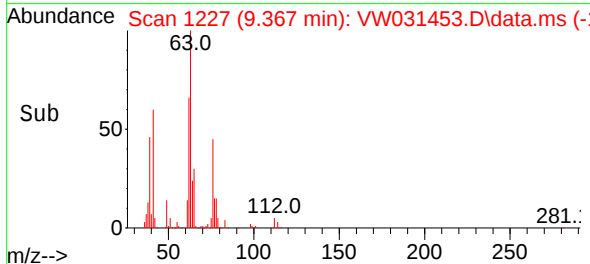
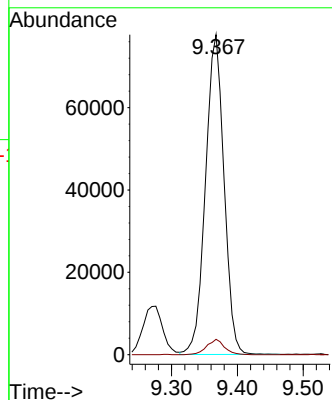
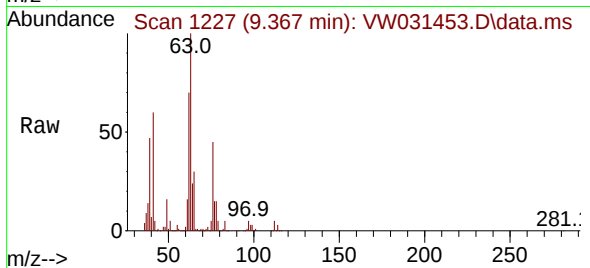
E2AQ1MSD

Tgt Ion: 63 Resp: 152085

Ion Ratio Lower Upper

63 100

112 4.6 3.8 5.8



#38

Bromodichloromethane

Concen: 13.307 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW031453.D

Acq: 21 Dec 2024 02:15

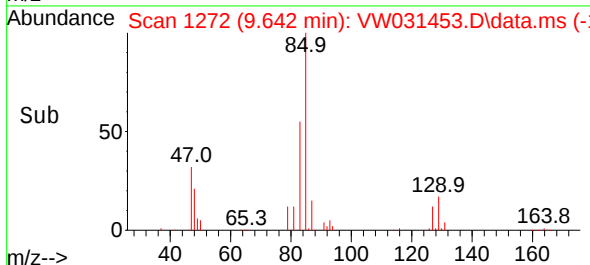
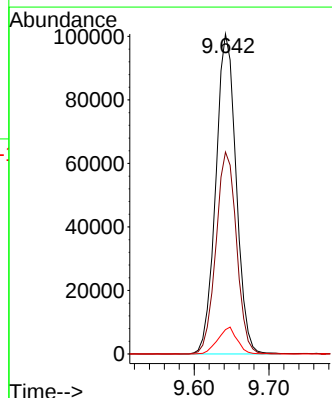
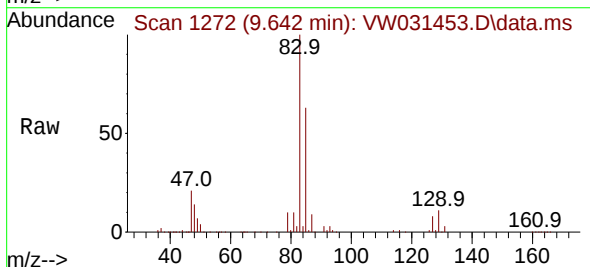
Tgt Ion: 83 Resp: 190561

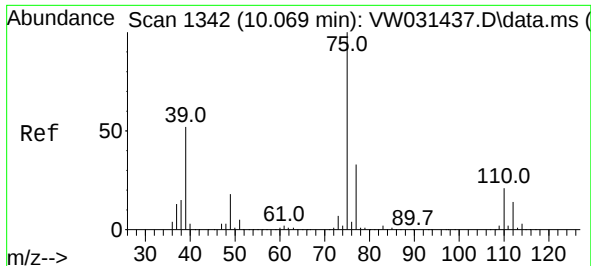
Ion Ratio Lower Upper

83 100

85 63.1 46.5 86.5

127 7.6 6.2 9.4





#39

cis-1,3-Dichloropropene

Concen: 10.229 ug/L

RT: 10.069 min Scan# 1342

Delta R.T. -0.000 min

Lab File: VW031453.D

Acq: 21 Dec 2024 02:15

Instrument :

MSVOA_W

ClientSampleId :

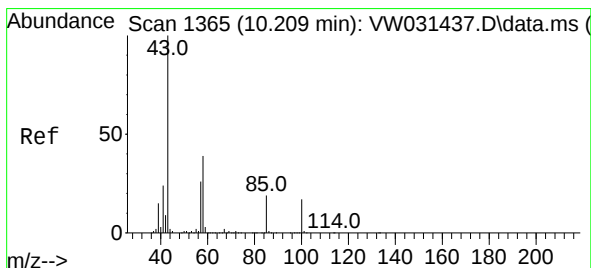
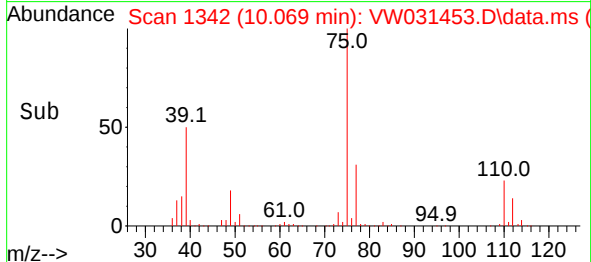
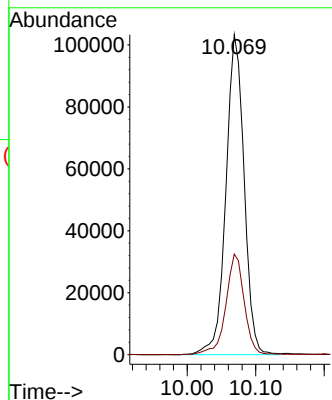
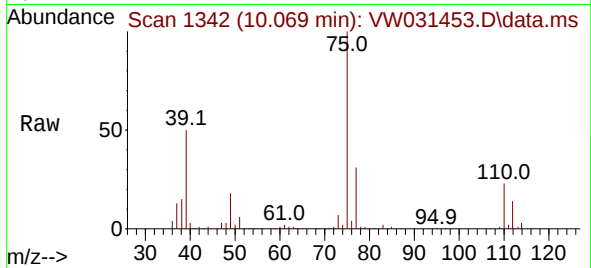
E2AQ1MSD

Tgt Ion: 75 Resp: 190400

Ion Ratio Lower Upper

75 100

77 31.5 21.8 40.4



#40

4-Methyl-2-pentanone

Concen: 24.412 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW031453.D

Acq: 21 Dec 2024 02:15

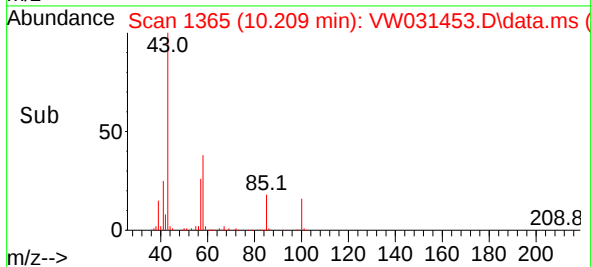
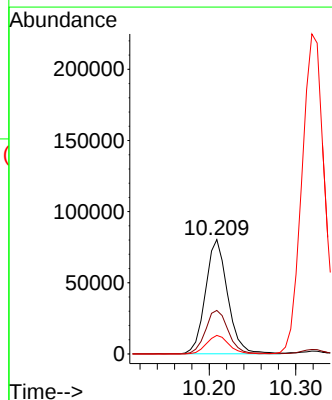
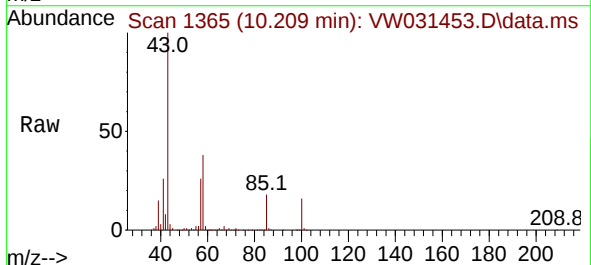
Tgt Ion: 43 Resp: 142669

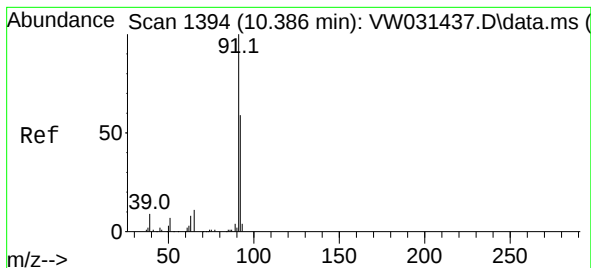
Ion Ratio Lower Upper

43 100

58 39.3 31.1 46.7

100 16.5 13.0 19.6





#42

Toluene

Concen: 12.334 ug/L

RT: 10.386 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VW031453.D

Acq: 21 Dec 2024 02:15

Instrument :

MSVOA_W

ClientSampleId :

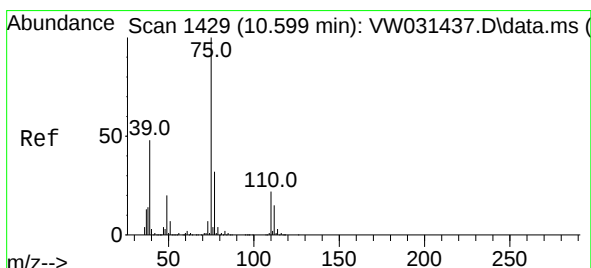
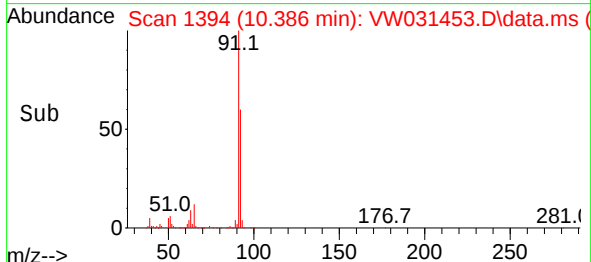
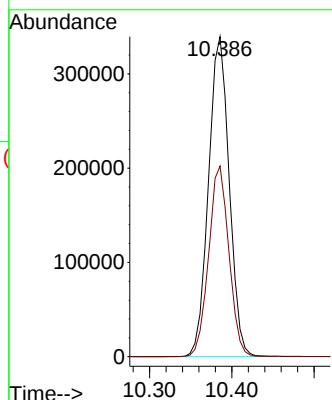
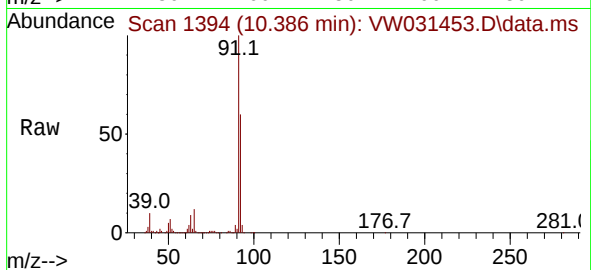
E2AQ1MSD

Tgt Ion: 91 Resp: 592980

Ion Ratio Lower Upper

91 100

92 59.6 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 10.684 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. 0.006 min

Lab File: VW031453.D

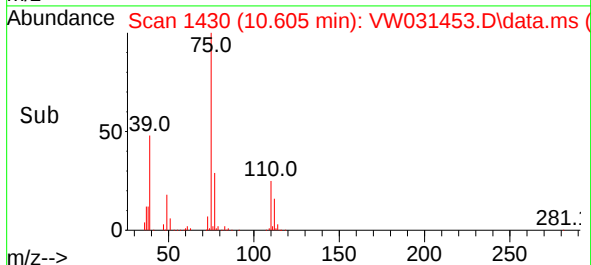
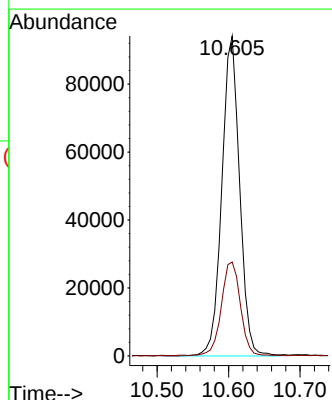
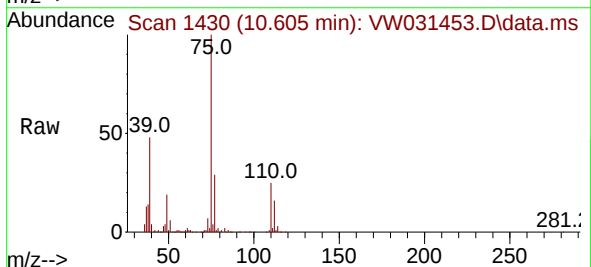
Acq: 21 Dec 2024 02:15

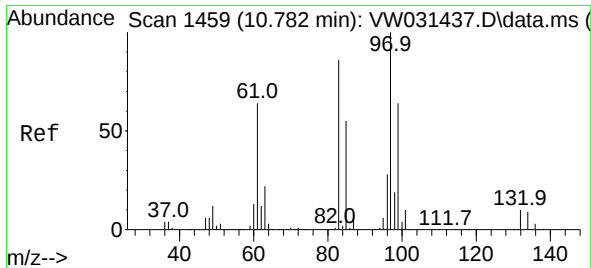
Tgt Ion: 75 Resp: 162396

Ion Ratio Lower Upper

75 100

77 29.4 21.2 39.4



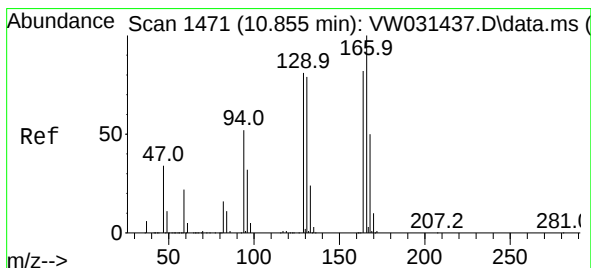
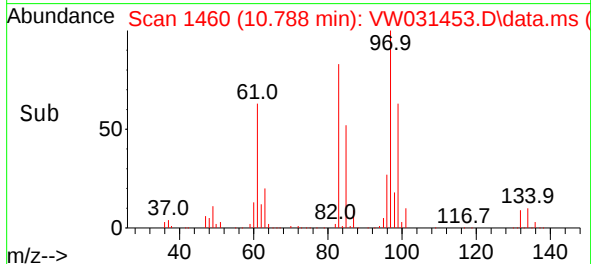
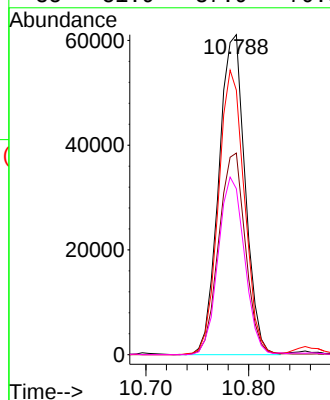
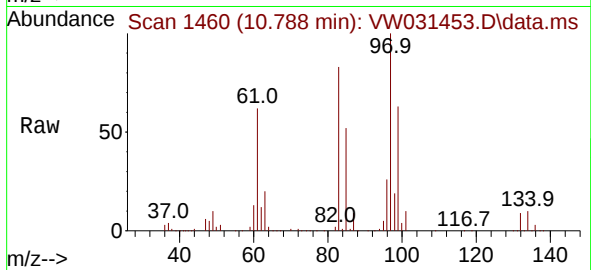


#45
1,1,2-Trichloroethane
Concen: 14.869 ug/L
RT: 10.788 min Scan# 1459
Delta R.T. 0.006 min
Lab File: VW031453.D
Acq: 21 Dec 2024 02:15

Instrument :
MSVOA_W
ClientSampleId :
E2AQ1MSD

Tgt Ion: 97 Resp: 108946

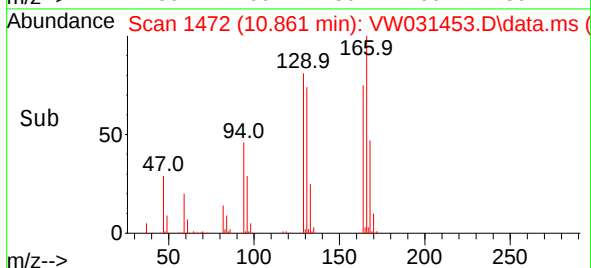
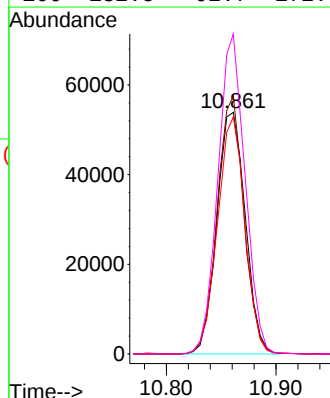
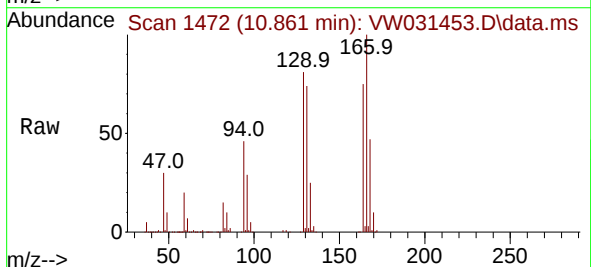
Ion	Ratio	Lower	Upper
97	100		
99	63.0	43.0	80.0
83	82.7	56.4	104.7
85	51.9	37.9	70.3

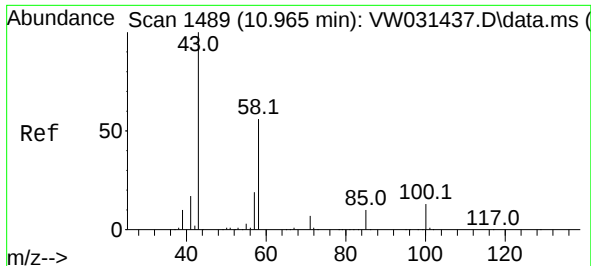


#46
Tetrachloroethene
Concen: 10.619 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VW031453.D
Acq: 21 Dec 2024 02:15

Tgt Ion:164 Resp: 96968

Ion	Ratio	Lower	Upper
164	100		
129	106.8	73.5	136.5
131	98.1	66.6	123.8
166	132.5	92.7	172.3





#48

2-Hexanone

Concen: 19.877 ug/L

RT: 10.965 min Scan# 1489

Delta R.T. -0.000 min

Lab File: VW031453.D

Acq: 21 Dec 2024 02:15

Instrument :

MSVOA_W

ClientSampleId :

E2AQ1MSD

Tgt Ion: 43 Resp: 98800

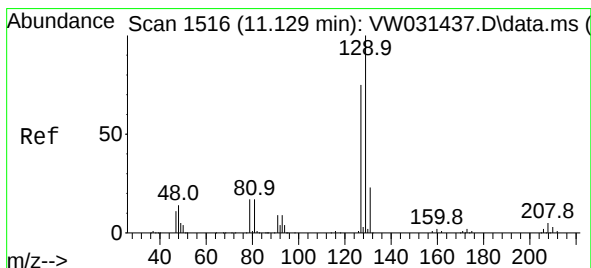
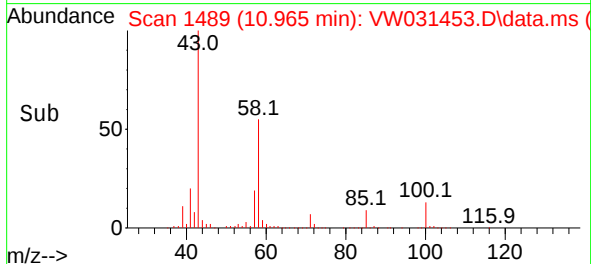
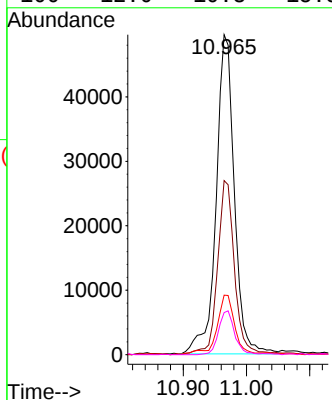
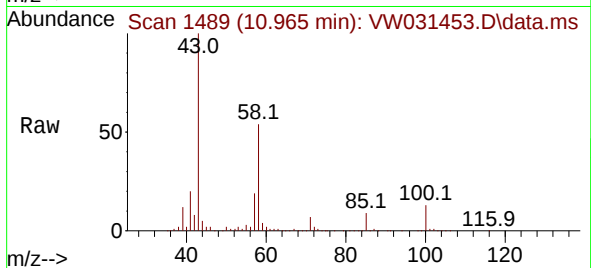
Ion Ratio Lower Upper

43 100

58 50.2 43.0 64.6

57 15.9 15.7 23.5

100 12.0 10.3 15.5



#49

Dibromochloromethane

Concen: 12.870 ug/L

RT: 11.123 min Scan# 1515

Delta R.T. -0.006 min

Lab File: VW031453.D

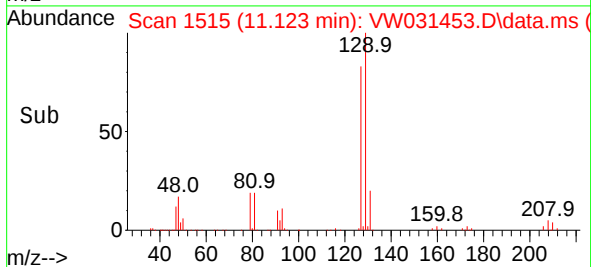
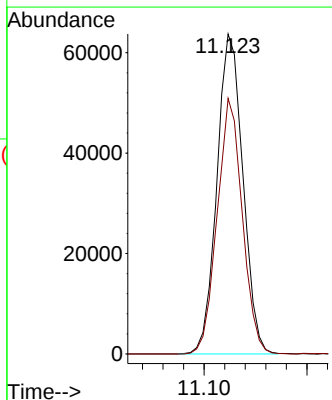
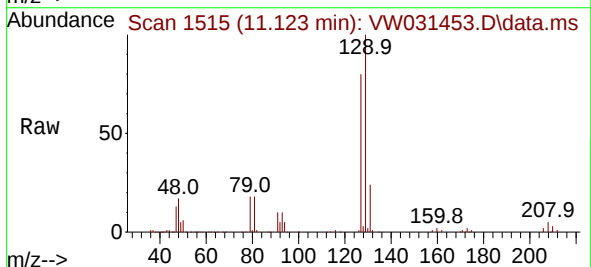
Acq: 21 Dec 2024 02:15

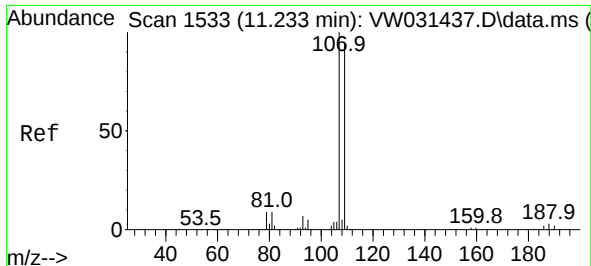
Tgt Ion:129 Resp: 111778

Ion Ratio Lower Upper

129 100

127 79.8 57.6 107.0

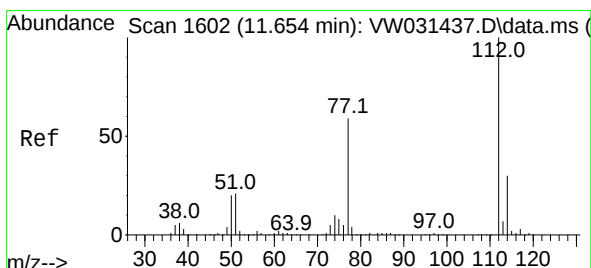
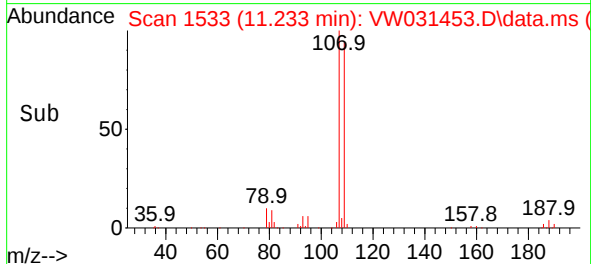
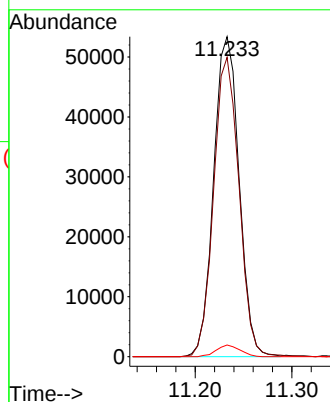
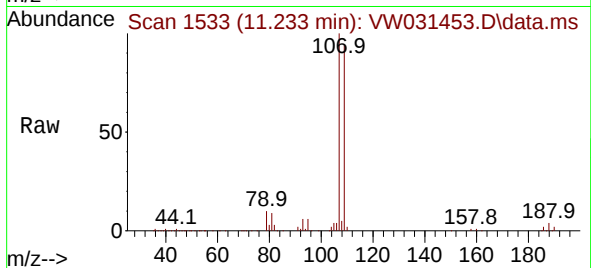




#50
1,2-Dibromoethane
Concen: 14.046 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. -0.000 min
Lab File: VW031453.D
Acq: 21 Dec 2024 02:15

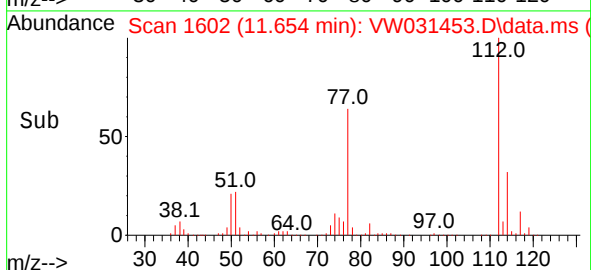
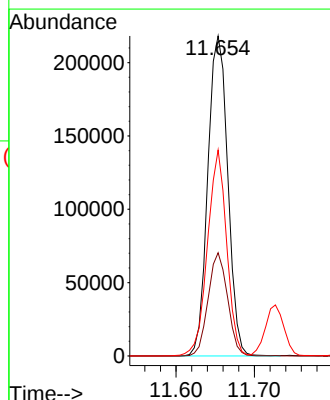
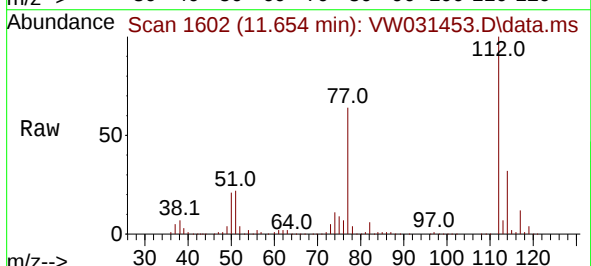
Instrument :
MSVOA_W
ClientSampleId :
E2AQ1MSD

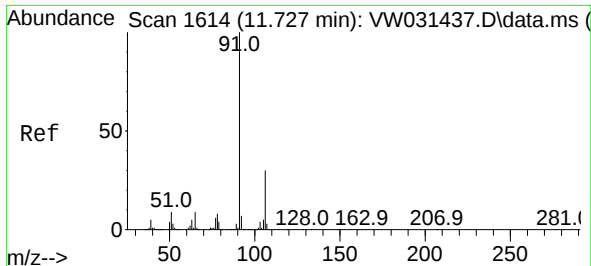
Tgt Ion:107 Resp: 97495
Ion Ratio Lower Upper
107 100
109 93.6 63.2 117.4
188 3.7 2.6 4.0



#51
Chlorobenzene
Concen: 12.810 ug/L
RT: 11.654 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VW031453.D
Acq: 21 Dec 2024 02:15

Tgt Ion:112 Resp: 386127
Ion Ratio Lower Upper
112 100
114 32.3 22.7 42.3
77 64.3 50.2 75.4





#52

Ethylbenzene

Concen: 11.627 ug/L

RT: 11.727 min Scan# 1614

Delta R.T. -0.000 min

Lab File: VW031453.D

Acq: 21 Dec 2024 02:15

Instrument :

MSVOA_W

ClientSampleId :

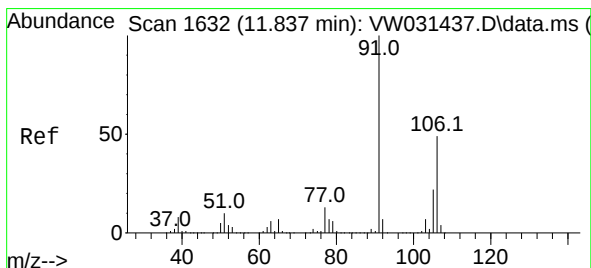
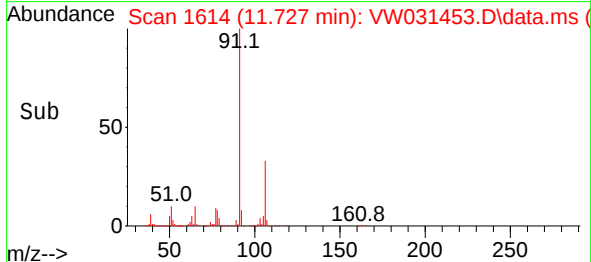
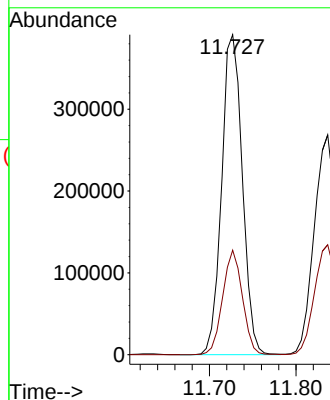
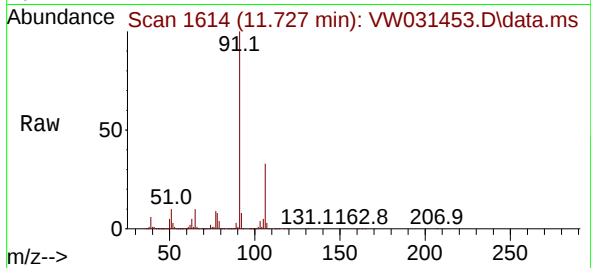
E2AQ1MSD

Tgt Ion: 91 Resp: 647857

Ion Ratio Lower Upper

91 100

106 32.6 20.7 38.5



#53

m,p-Xylene

Concen: 11.752 ug/L

RT: 11.837 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VW031453.D

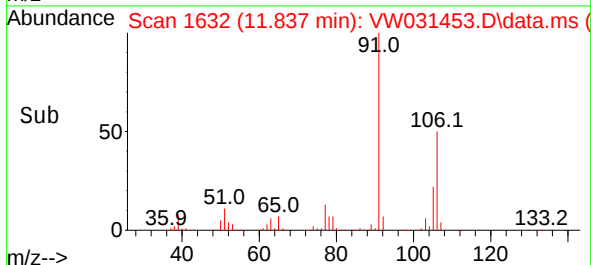
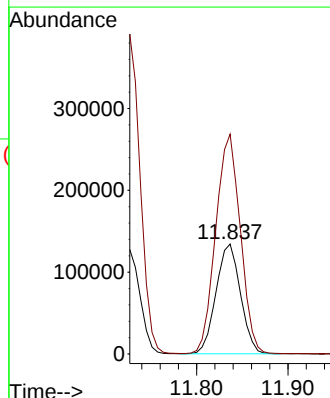
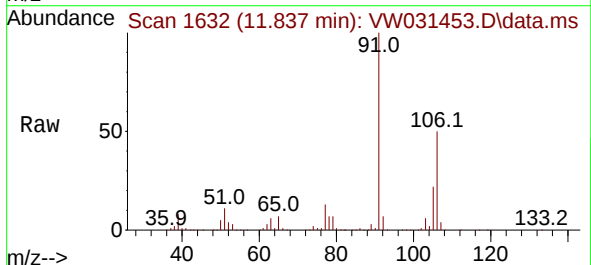
Acq: 21 Dec 2024 02:15

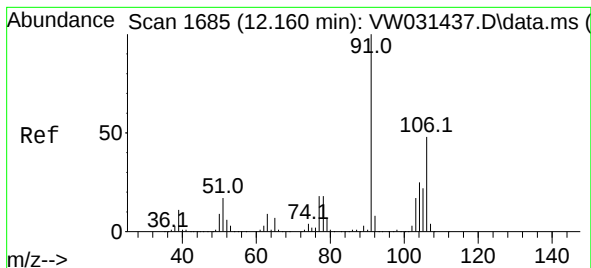
Tgt Ion:106 Resp: 249267

Ion Ratio Lower Upper

106 100

91 200.1 139.9 259.7





#54

o-Xylene

Concen: 12.365 ug/L

RT: 12.160 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW031453.D

Acq: 21 Dec 2024 02:15

Instrument :

MSVOA_W

ClientSampleId :

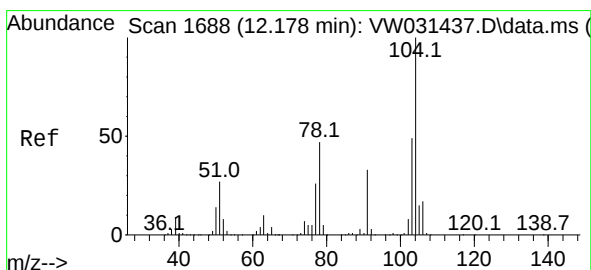
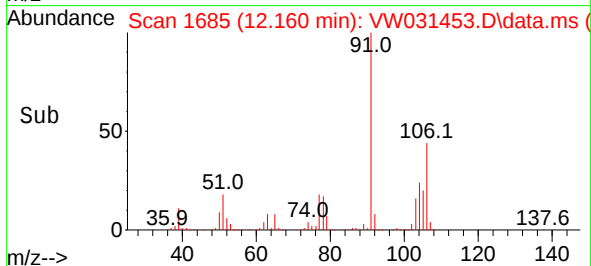
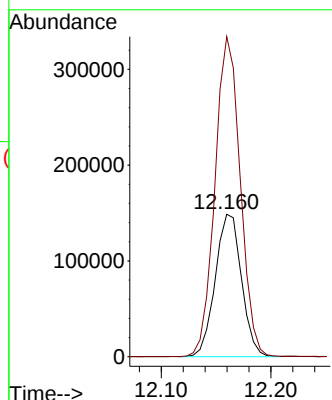
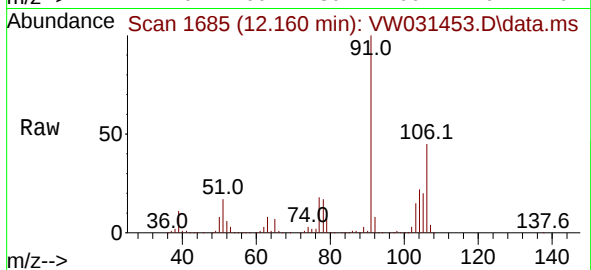
E2AQ1MSD

Tgt Ion:106 Resp: 247188

Ion Ratio Lower Upper

106 100

91 224.7 153.1 284.3



#55

Styrene

Concen: 12.401 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VW031453.D

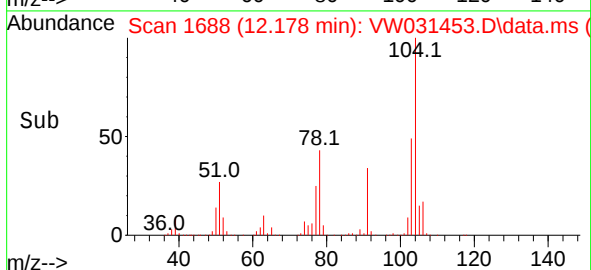
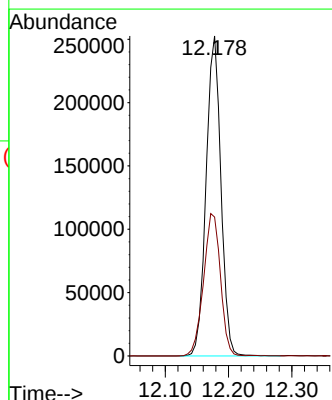
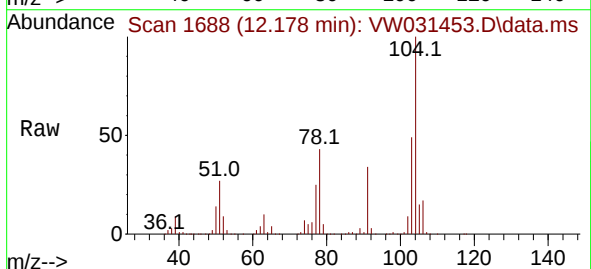
Acq: 21 Dec 2024 02:15

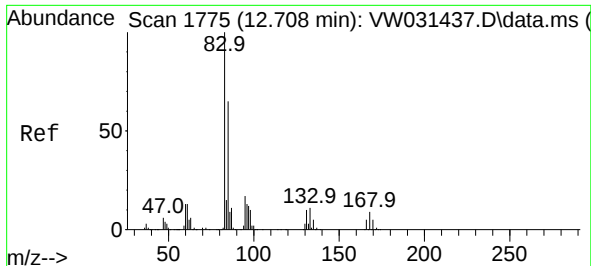
Tgt Ion:104 Resp: 412362

Ion Ratio Lower Upper

104 100

78 43.4 31.4 58.4

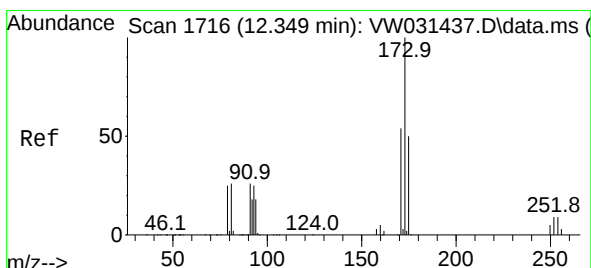
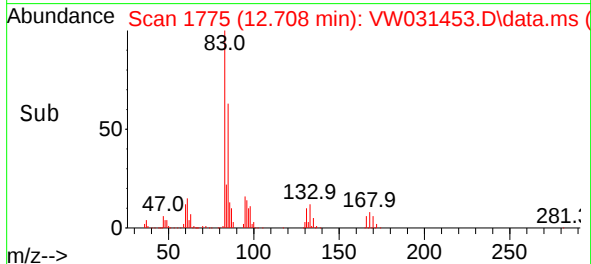
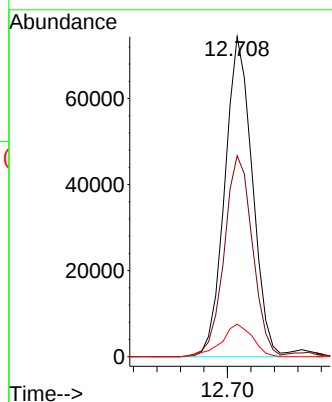
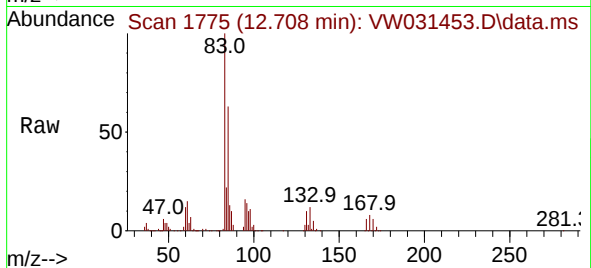




#57
1,1,2,2-Tetrachloroethane
Concen: 15.302 ug/L
RT: 12.708 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VW031453.D
Acq: 21 Dec 2024 02:15

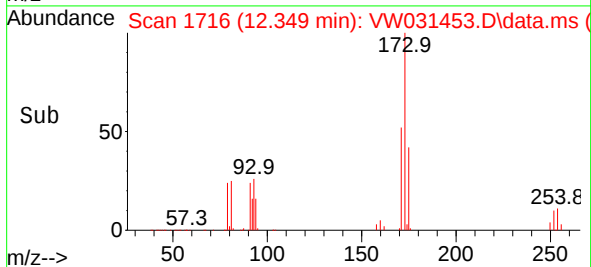
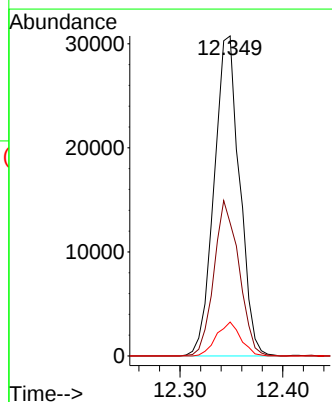
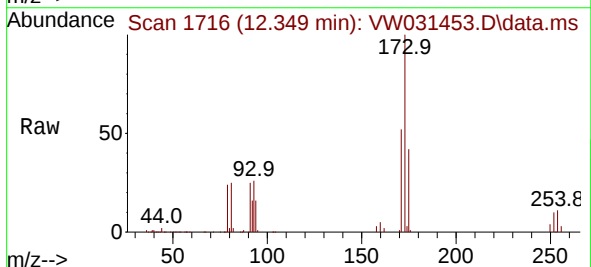
Instrument :
MSVOA_W
ClientSampleId :
E2AQ1MSD

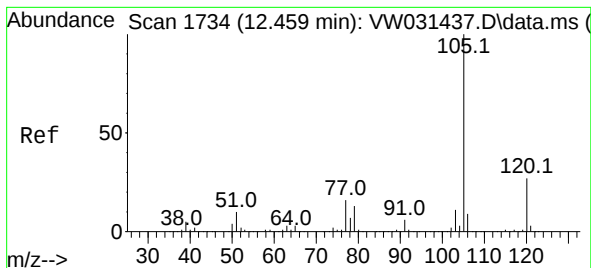
Tgt Ion: 83 Resp: 120861
Ion Ratio Lower Upper
83 100
85 62.8 44.1 81.9
131 10.1 7.9 11.9



#59
Bromoform
Concen: 12.244 ug/L
RT: 12.349 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VW031453.D
Acq: 21 Dec 2024 02:15

Tgt Ion:173 Resp: 52859
Ion Ratio Lower Upper
173 100
175 47.6 38.6 57.8
254 10.1 7.6 11.4





#60

Isopropylbenzene

Concen: 12.203 ug/L

RT: 12.458 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW031453.D

Acq: 21 Dec 2024 02:15

Instrument :

MSVOA_W

ClientSampleId :

E2AQ1MSD

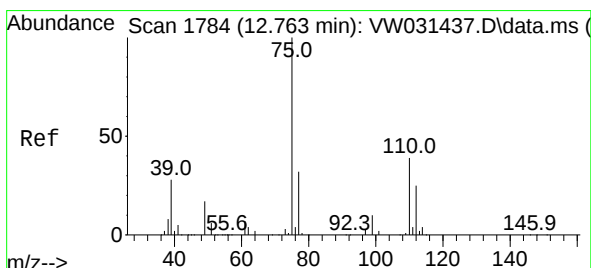
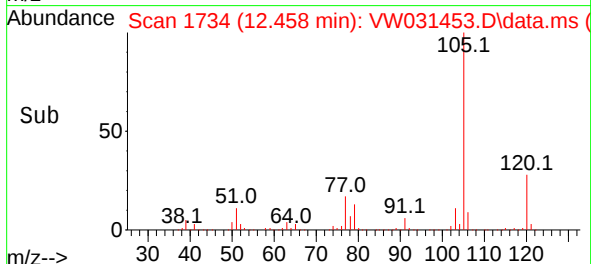
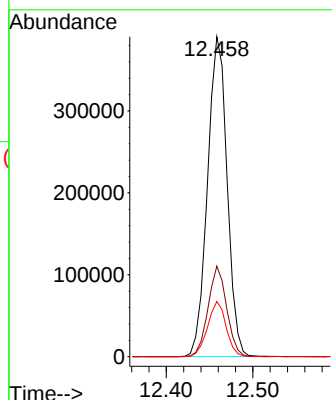
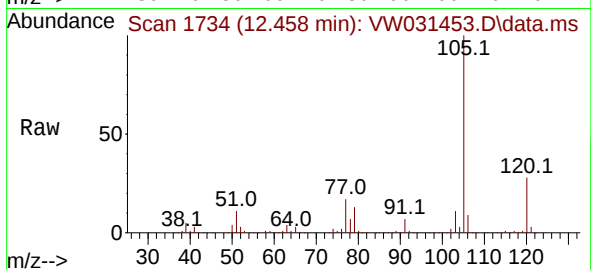
Tgt Ion:105 Resp: 613685

Ion Ratio Lower Upper

105 100

120 26.9 20.6 31.0

77 16.4 12.8 19.2



#61

1,2,3-Trichloropropane

Concen: 16.754 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VW031453.D

Acq: 21 Dec 2024 02:15

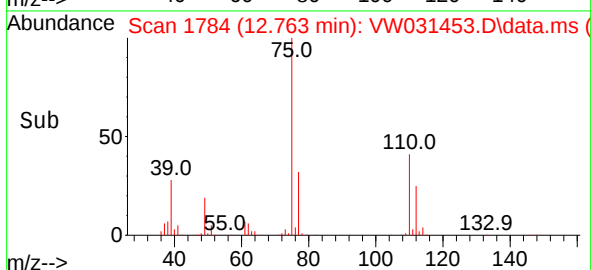
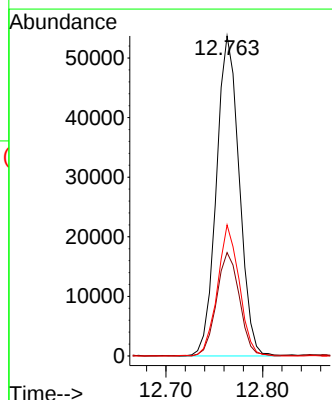
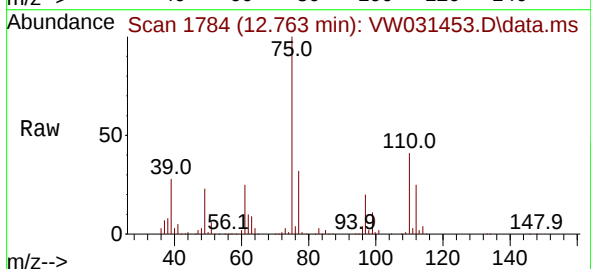
Tgt Ion: 75 Resp: 88101

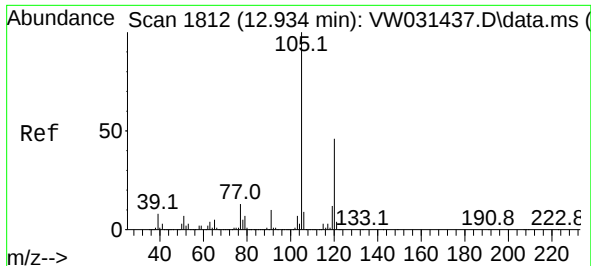
Ion Ratio Lower Upper

75 100

77 32.4 25.3 37.9

110 38.9 31.2 46.8





#62

1,3,5-Trimethylbenzene

Concen: 11.729 ug/L

RT: 12.934 min Scan# 1812

Delta R.T. -0.000 min

Lab File: VW031453.D

Acq: 21 Dec 2024 02:15

Instrument :

MSVOA_W

ClientSampleId :

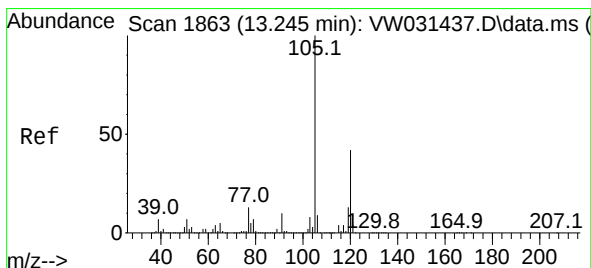
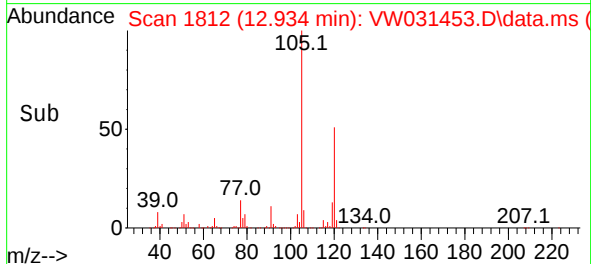
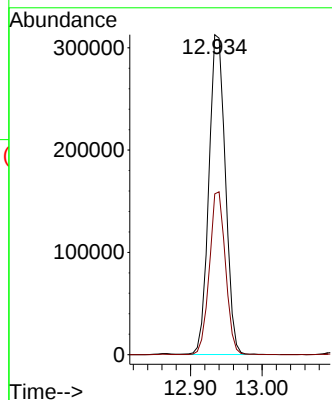
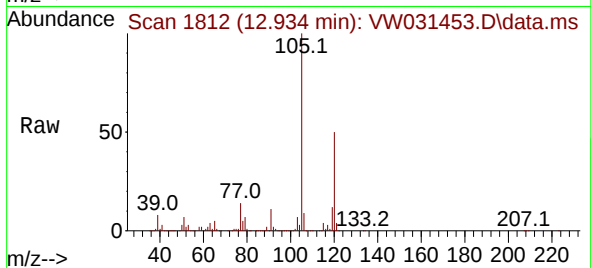
E2AQ1MSD

Tgt Ion:105 Resp: 500100

Ion Ratio Lower Upper

105 100

120 49.7 37.3 55.9



#63

1,2,4-Trimethylbenzene

Concen: 12.161 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. -0.000 min

Lab File: VW031453.D

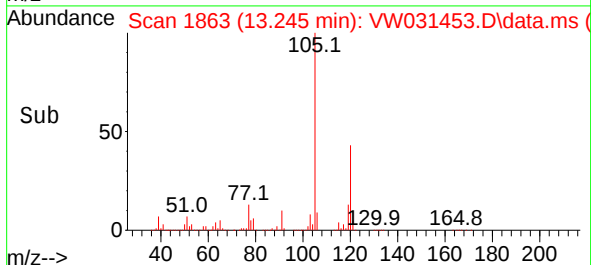
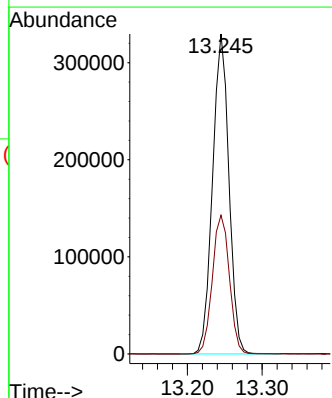
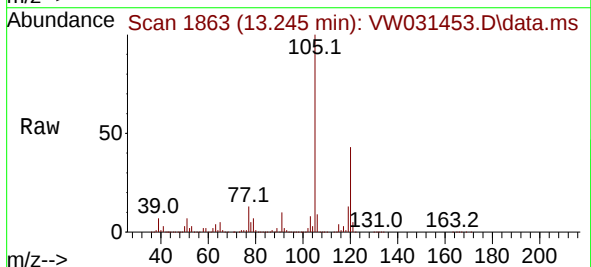
Acq: 21 Dec 2024 02:15

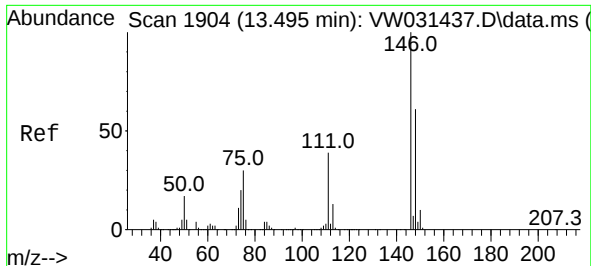
Tgt Ion:105 Resp: 501138

Ion Ratio Lower Upper

105 100

120 45.0 35.0 52.4





#64

1,3-Dichlorobenzene

Concen: 12.657 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW031453.D

Acq: 21 Dec 2024 02:15

Instrument :

MSVOA_W

ClientSampleId :

E2AQ1MSD

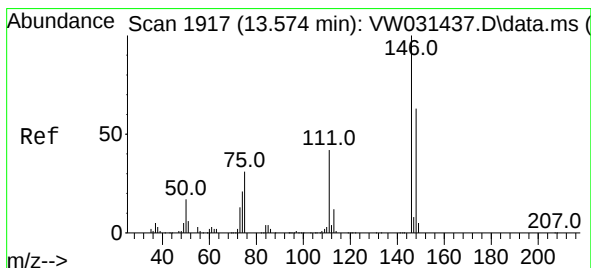
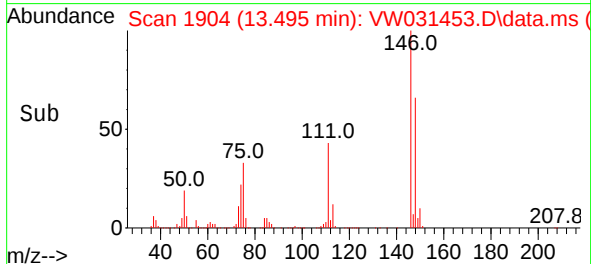
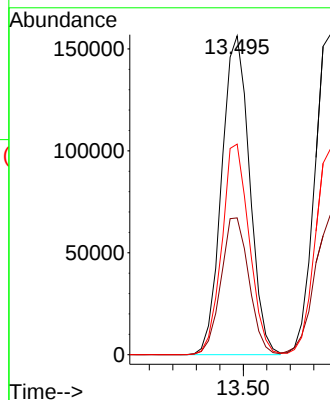
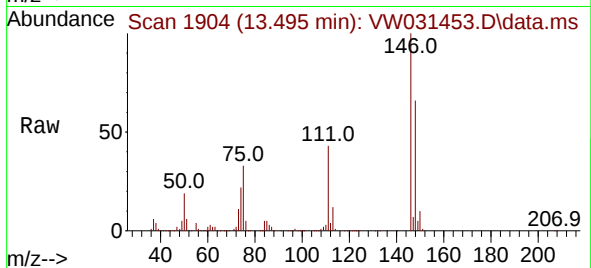
Tgt Ion:146 Resp: 257888

Ion Ratio Lower Upper

146 100

111 42.9 27.6 51.2

148 66.0 41.0 76.2



#65

1,4-Dichlorobenzene

Concen: 13.109 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW031453.D

Acq: 21 Dec 2024 02:15

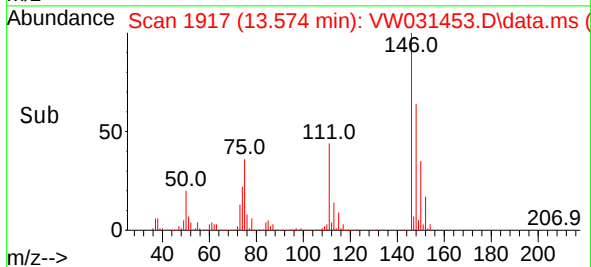
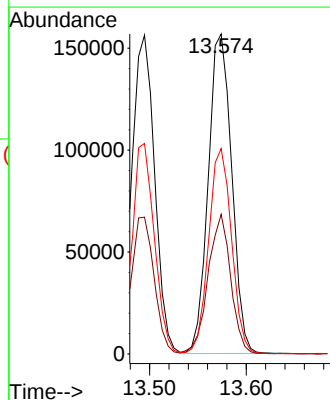
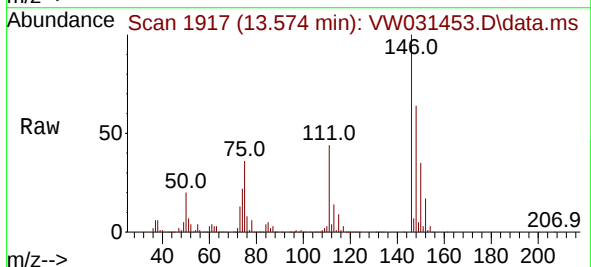
Tgt Ion:146 Resp: 264653

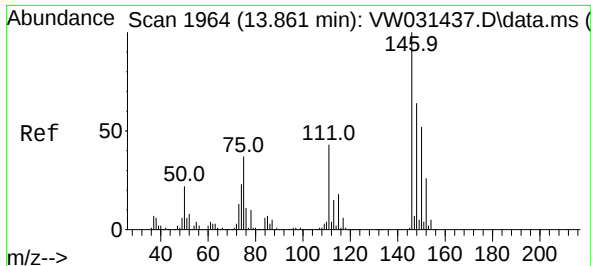
Ion Ratio Lower Upper

146 100

111 43.7 30.7 56.9

148 64.2 46.5 86.3

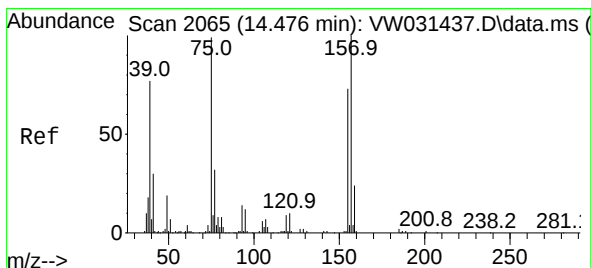
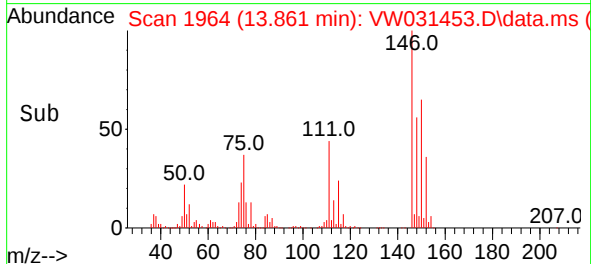
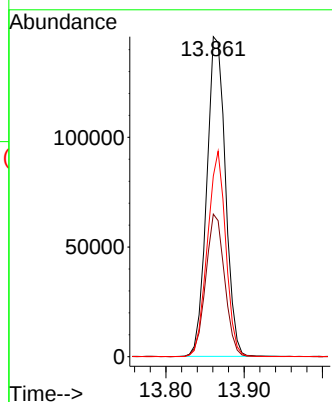
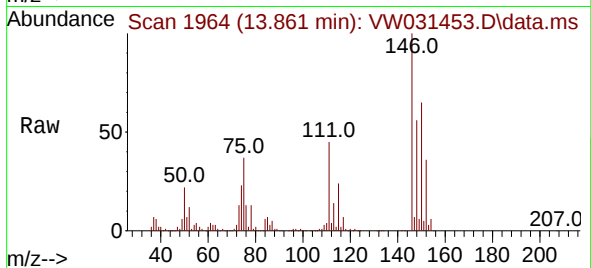




#67
1,2-Dichlorobenzene
Concen: 13.735 ug/L
RT: 13.861 min Scan# 1964
Delta R.T. -0.000 min
Lab File: VW031453.D
Acq: 21 Dec 2024 02:15

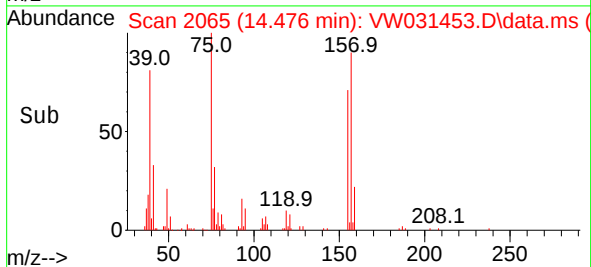
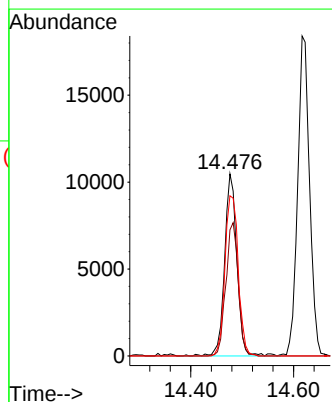
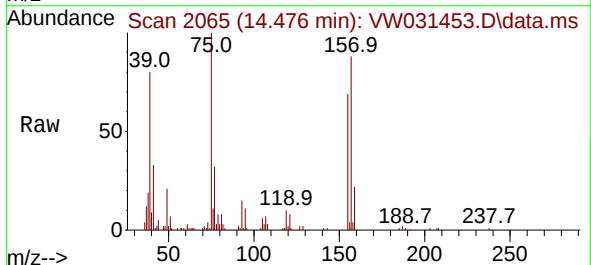
Instrument :
MSVOA_W
ClientSampleId :
E2AQ1MSD

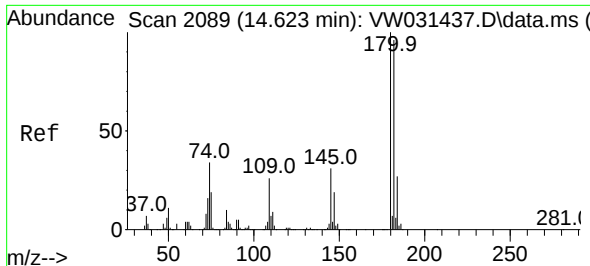
Tgt Ion:146 Resp: 241127
Ion Ratio Lower Upper
146 100
111 44.5 38.6 58.0
148 56.5 53.6 80.4



#68
1,2-Dibromo-3-chloropropane
Concen: 13.041 ug/L
RT: 14.476 min Scan# 2065
Delta R.T. -0.000 min
Lab File: VW031453.D
Acq: 21 Dec 2024 02:15

Tgt Ion: 75 Resp: 17403
Ion Ratio Lower Upper
75 100
155 69.3 56.6 85.0
157 87.9 71.2 106.8





#69

1,3,5-Trichlorobenzene

Concen: 10.418 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. -0.000 min

Lab File: VW031453.D

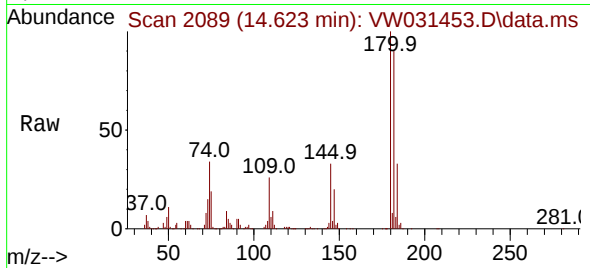
Acq: 21 Dec 2024 02:15

Instrument :

MSVOA_W

ClientSampleId :

E2AQ1MSD



Tgt Ion:180 Resp: 148664

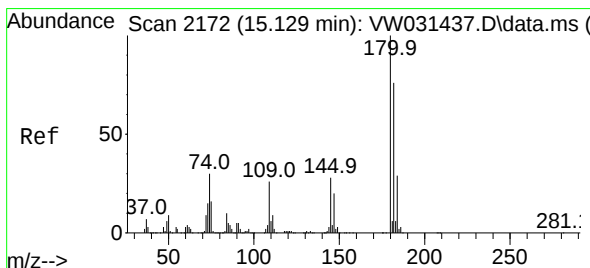
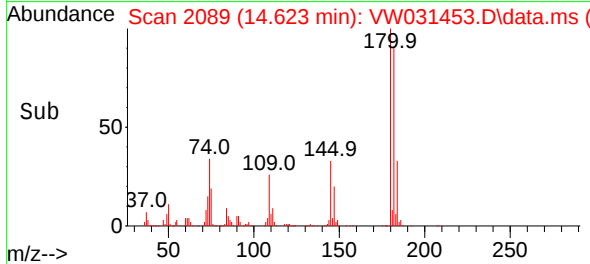
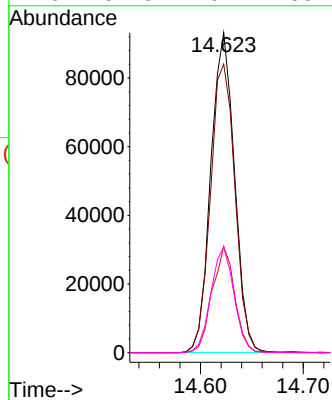
Ion Ratio Lower Upper

180 100

182 93.9 75.0 112.4

184 31.8 24.6 36.8

145 32.3 25.7 38.5



#70

1,2,4-trichlorobenzene

Concen: 9.770 ug/L

RT: 15.123 min Scan# 2171

Delta R.T. -0.006 min

Lab File: VW031453.D

Acq: 21 Dec 2024 02:15

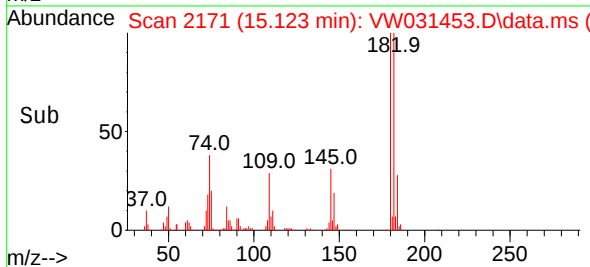
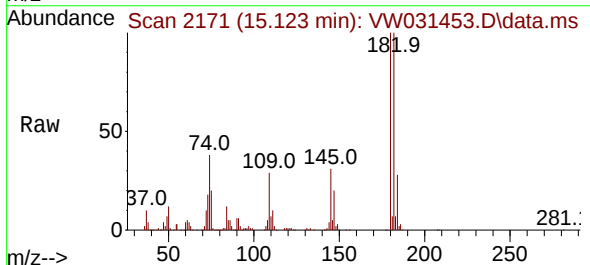
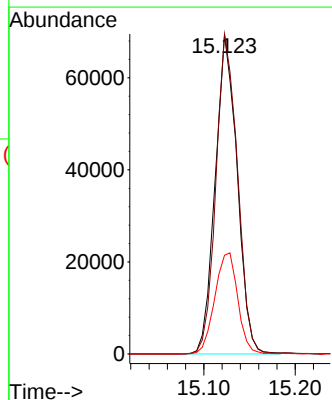
Tgt Ion:180 Resp: 115979

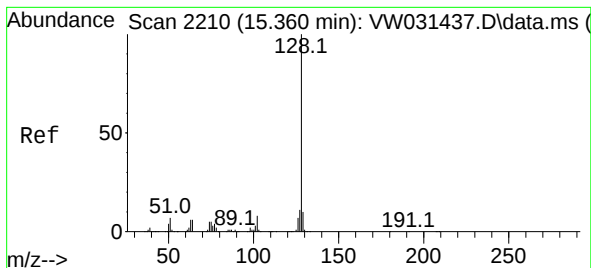
Ion Ratio Lower Upper

180 100

182 98.4 78.2 117.2

145 33.1 26.7 40.1





#71

Naphthalene

Concen: 12.412 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. -0.000 min

Lab File: VW031453.D

Acq: 21 Dec 2024 02:15

Instrument :

MSVOA_W

ClientSampleId :

E2AQ1MSD

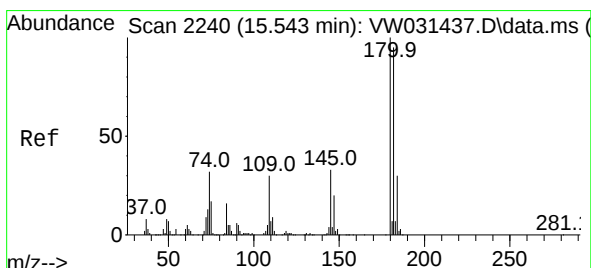
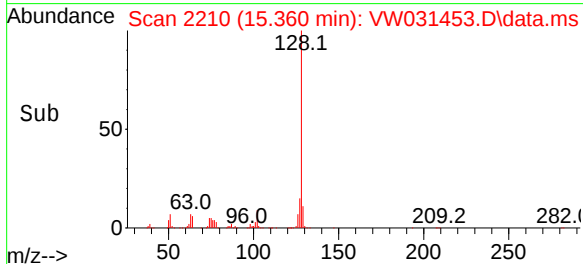
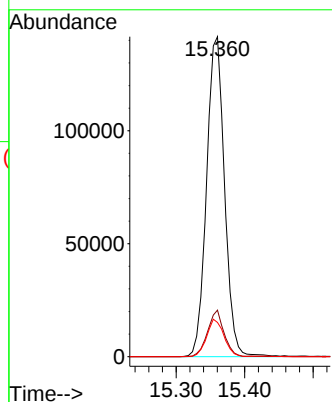
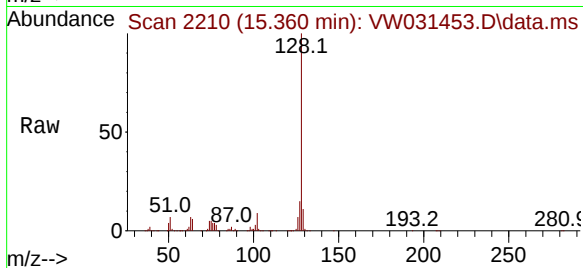
Tgt Ion:128 Resp: 258303

Ion Ratio Lower Upper

128 100

127 13.3 10.7 16.1

129 11.3 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 11.217 ug/L

RT: 15.543 min Scan# 2240

Delta R.T. -0.000 min

Lab File: VW031453.D

Acq: 21 Dec 2024 02:15

Tgt Ion:180 Resp: 107275

Ion Ratio Lower Upper

180 100

182 93.2 75.0 112.4

145 33.8 27.8 41.6

