

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121324\
 Data File : VW031233.D
 Acq On : 13 Dec 2024 12:24
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 14 00:34:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Dec 14 00:28:54 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	743757	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	642655	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.555	152	314915	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.356	65	267972	23.946	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.800%
7) Chloroethane-d5	2.893	69	192325	23.233	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.920%
11) 1,1-Dichloroethene-d2	4.015	65	129391	24.375	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	97.520%
21) 2-Butanone-d5	7.099	46	102431	48.603	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.200%
24) Chloroform-d	7.648	84	492758	24.181	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.720%
26) 1,2-Dichloroethane-d4	8.306	65	255327	24.948	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.800%
32) Benzene-d6	8.270	84	997550	24.218	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.880%
36) 1,2-Dichloropropane-d6	9.276	67	286442	23.861	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.440%
41) Toluene-d8	10.318	98	930763	24.290	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.160%
43) trans-1,3-Dichloroprop...	10.574	79	134621	24.320	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.280%
47) 2-Hexanone-d5	10.922	63	82985	51.402	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.800%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	186118	24.692	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.760%
66) 1,2-Dichlorobenzene-d4	13.848	152	268413	22.959	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.840%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.009	85	172319	25.636	ug/L	97
3) Chloromethane	2.216	50	182003	24.102	ug/L	96
5) Vinyl chloride	2.362	62	257901	24.644	ug/L	96
6) Bromomethane	2.789	94	154286	23.980	ug/L	94
8) Chloroethane	2.929	64	155686	25.016	ug/L	98
9) Trichlorofluoromethane	3.265	101	281791	25.276	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.069	101	225449	25.043	ug/L	95
12) 1,1-Dichloroethene	4.039	96	227800	24.984	ug/L	96
13) Acetone	4.173	43	153088	52.159	ug/L #	100
14) Carbon disulfide	4.380	76	746995	25.121	ug/L	100
15) Methyl Acetate	4.691	43	84448	25.333	ug/L	99
16) Methylene chloride	4.917	84	226315	24.184	ug/L	96
17) trans-1,2-Dichloroethene	5.429	96	246821	25.113	ug/L	99
18) Methyl tert-butyl Ether	5.429	73	428795	26.097	ug/L	98
19) 1,1-Dichloroethane	6.215	63	462733	25.195	ug/L	98
20) cis-1,2-Dichloroethene	7.166	96	265572	24.975	ug/L	97
22) 2-Butanone	7.185	43	175451	49.336	ug/L	100
23) Bromochloromethane	7.520	128	105585	24.897	ug/L	90
25) Chloroform	7.672	83	456785	25.200	ug/L	95

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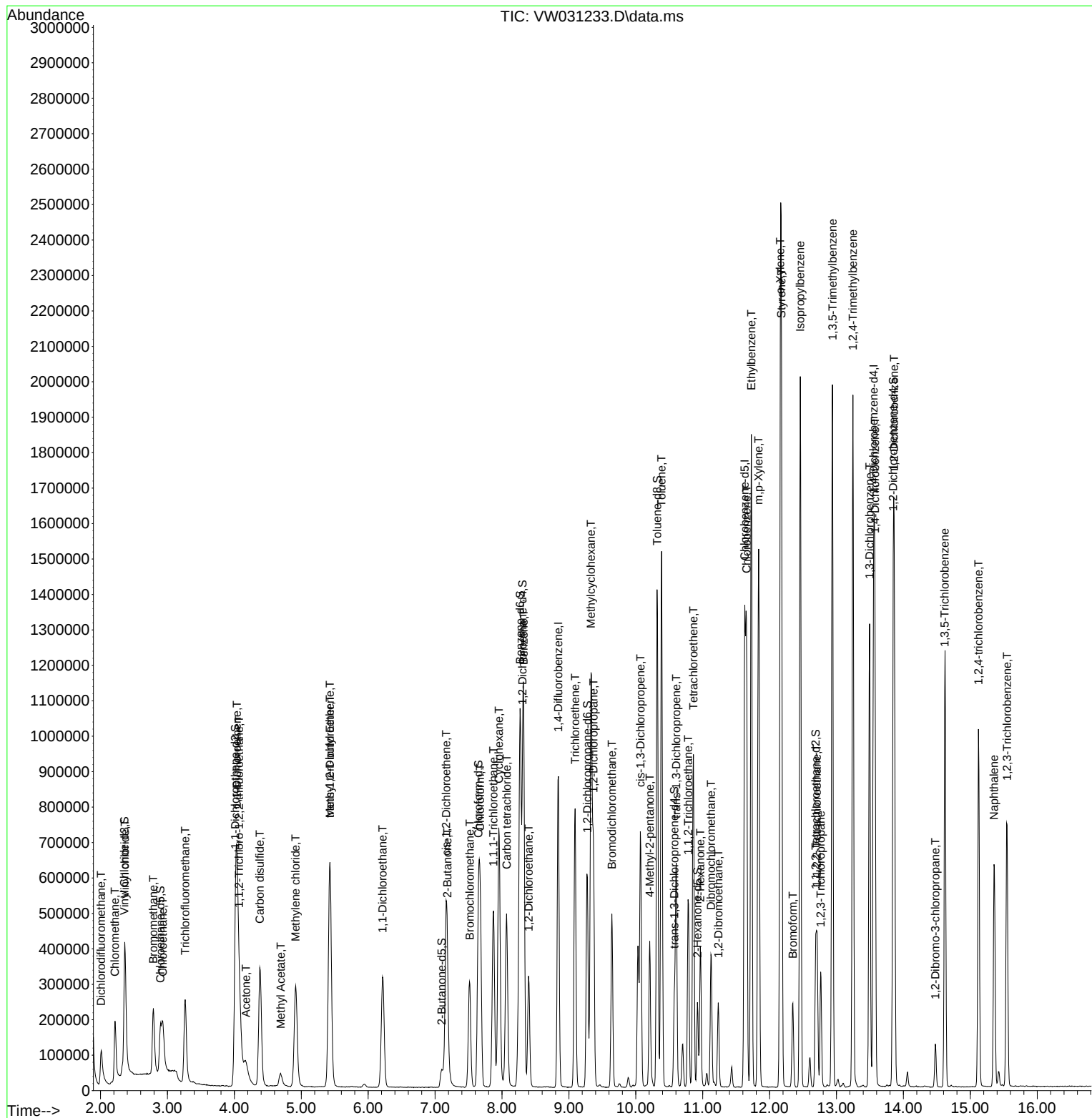
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	293701	25.773	ug/L	98
29) Cyclohexane	7.953	56	439455	25.215	ug/L	100
30) 1,1,1-Trichloroethane	7.874	97	412576	24.838	ug/L	100
31) Carbon tetrachloride	8.069	117	367024	24.801	ug/L	98
33) Benzene	8.325	78	999159	25.158	ug/L	100
34) Trichloroethene	9.093	95	280390	25.007	ug/L	96
35) Methylcyclohexane	9.331	83	497529	25.480	ug/L	99
37) 1,2-Dichloropropane	9.367	63	249157	25.148	ug/L	99
38) Bromodichloromethane	9.642	83	326063	25.315	ug/L	95
39) cis-1,3-Dichloropropene	10.068	75	423819	25.315	ug/L	100
40) 4-Methyl-2-pentanone	10.209	43	264913	50.399	ug/L	100
42) Toluene	10.385	91	1091322	25.239	ug/L	100
44) trans-1,3-Dichloropropene	10.605	75	345136	25.248	ug/L	97
45) 1,1,2-Trichloroethane	10.782	97	170349	25.850	ug/L	97
46) Tetrachloroethene	10.861	164	205074	24.970	ug/L	94
48) 2-Hexanone	10.964	43	252250	56.426	ug/L	99
49) Dibromochloromethane	11.123	129	201187	25.755	ug/L	93
50) 1,2-Dibromoethane	11.233	107	161508	25.872	ug/L	96
51) Chlorobenzene	11.653	112	671725	24.777	ug/L	99
52) Ethylbenzene	11.727	91	1267781	25.298	ug/L	95
53) m,p-Xylene	11.836	106	486586	25.506	ug/L	97
54) o-Xylene	12.159	106	455508	25.335	ug/L	98
55) Styrene	12.178	104	761177	25.451	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.708	83	185006	26.043	ug/L	97
59) Bromoform	12.348	173	102040	23.065	ug/L	95
60) Isopropylbenzene	12.458	105	1284792	24.931	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	134531	24.965	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	1066587	24.412	ug/L	96
63) 1,2,4-Trimethylbenzene	13.245	105	1051563	24.901	ug/L	100
64) 1,3-Dichlorobenzene	13.495	146	514778	24.655	ug/L	87
65) 1,4-Dichlorobenzene	13.574	146	488722	23.624	ug/L	97
67) 1,2-Dichlorobenzene	13.860	146	445022	24.737	ug/L	89
68) 1,2-Dibromo-3-chloropr...	14.476	75	33642	24.601	ug/L	96
69) 1,3,5-Trichlorobenzene	14.616	180	361240	24.703	ug/L	99
70) 1,2,4-trichlorobenzene	15.122	180	294399	24.202	ug/L	98
71) Naphthalene	15.354	128	549806	25.780	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	251125	25.623	ug/L	97

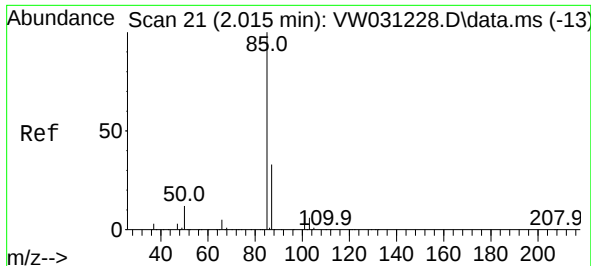
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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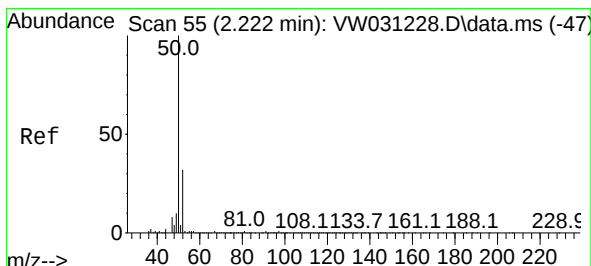
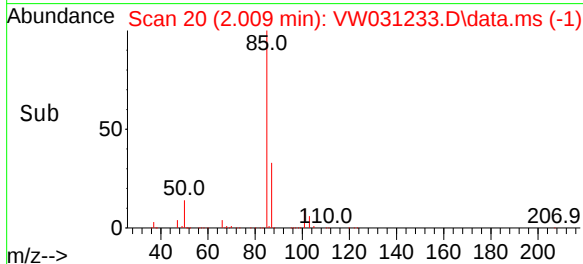
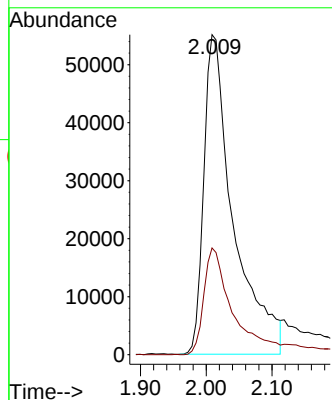
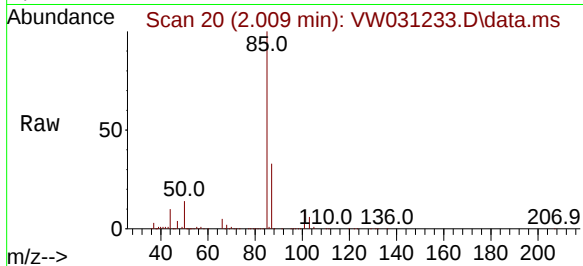




#2
Dichlorodifluoromethane
Concen: 25.636 ug/L
RT: 2.009 min Scan# 20
Delta R.T. -0.006 min
Lab File: VW031233.D
Acq: 13 Dec 2024 12:24

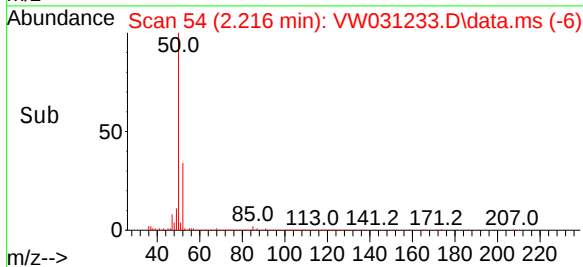
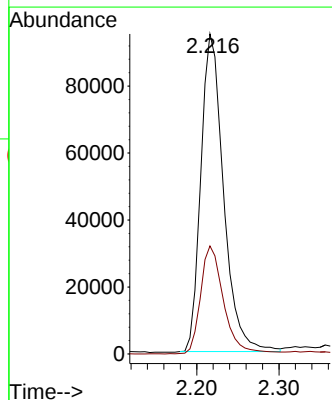
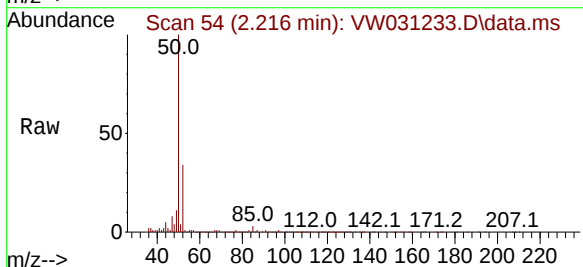
Instrument :
MSVOA_W
ClientSampleId :

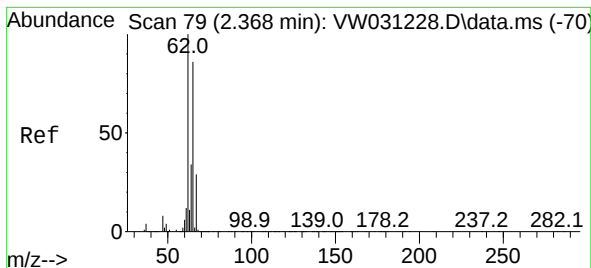
Tgt Ion: 85 Resp: 172319
Ion Ratio Lower Upper
85 100
87 32.5 24.9 37.3



#3
Chloromethane
Concen: 24.102 ug/L
RT: 2.216 min Scan# 54
Delta R.T. -0.006 min
Lab File: VW031233.D
Acq: 13 Dec 2024 12:24

Tgt Ion: 50 Resp: 182003
Ion Ratio Lower Upper
50 100
52 33.8 22.0 41.0





#5

Vinyl chloride

Concen: 24.644 ug/L

RT: 2.362 min Scan# 79

Delta R.T. -0.006 min

Lab File: VW031233.D

Acq: 13 Dec 2024 12:24

Instrument :

MSVOA_W

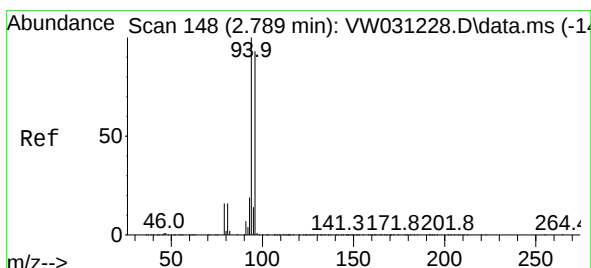
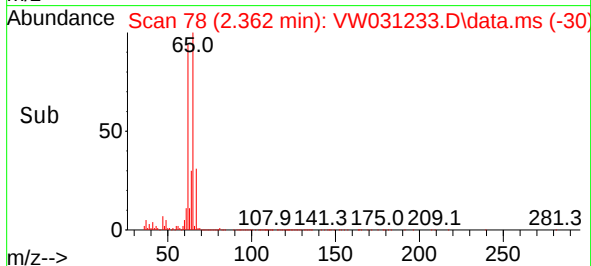
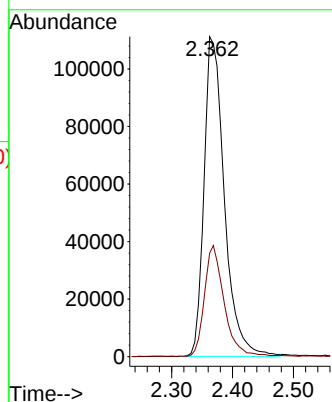
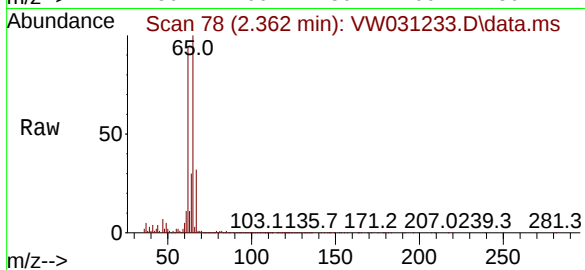
ClientSampleId :

Tgt Ion: 62 Resp: 257901

Ion Ratio Lower Upper

62 100

64 32.3 24.1 44.8



#6

Bromomethane

Concen: 23.980 ug/L

RT: 2.789 min Scan# 148

Delta R.T. 0.000 min

Lab File: VW031233.D

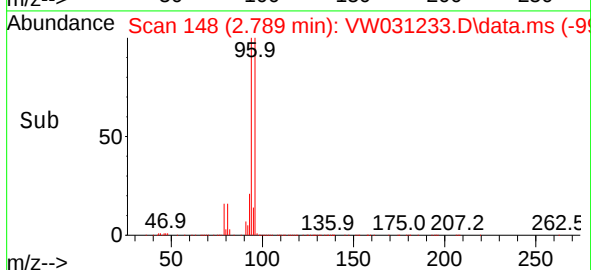
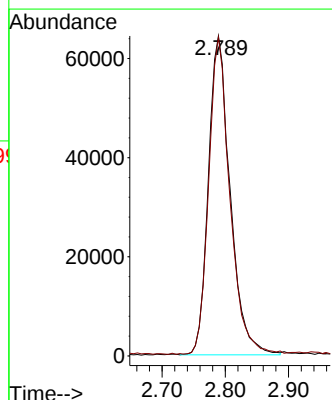
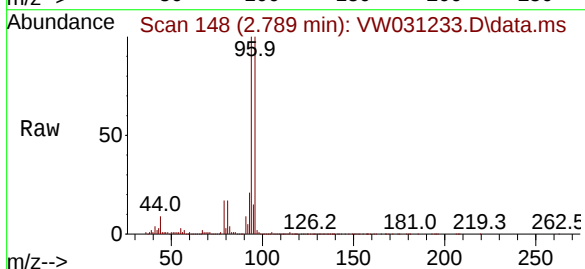
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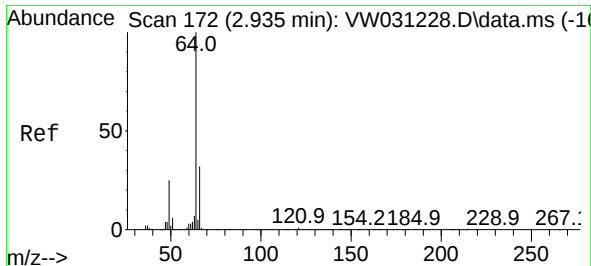
Tgt Ion: 94 Resp: 154286

Ion Ratio Lower Upper

94 100

96 99.6 65.6 121.8

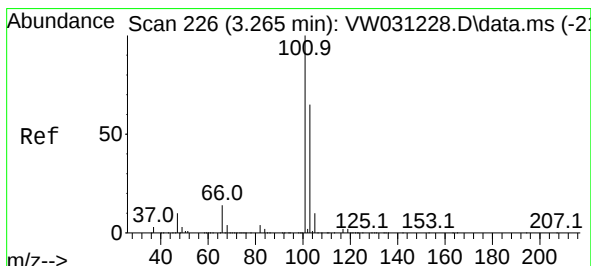
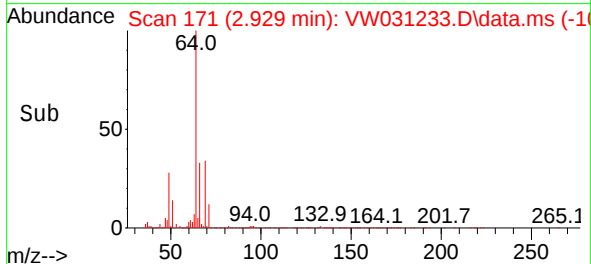
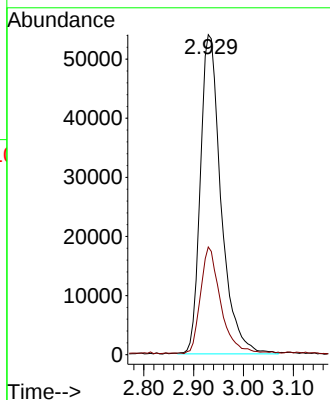
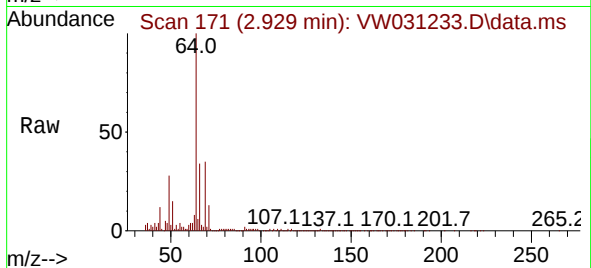




#8
Chloroethane
Concen: 25.016 ug/L
RT: 2.929 min Scan# 172
Delta R.T. -0.006 min
Lab File: VW031233.D
Acq: 13 Dec 2024 12:24

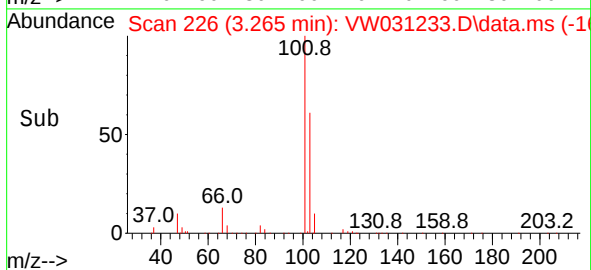
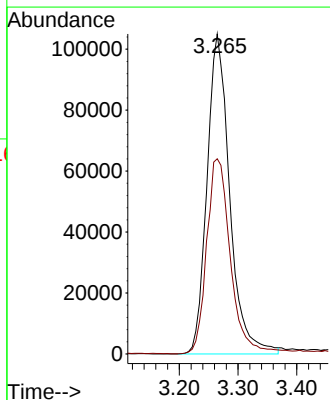
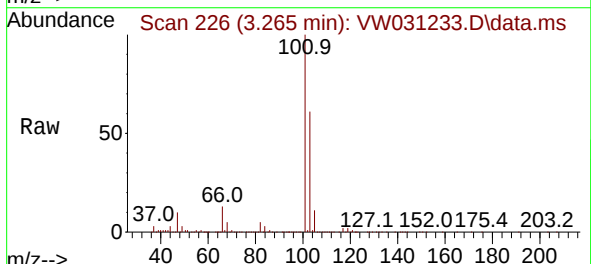
Instrument :
MSVOA_W
ClientSampleId :

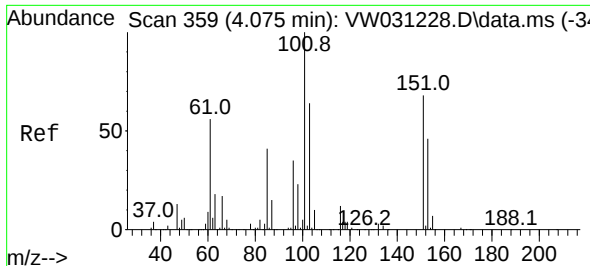
Tgt Ion: 64 Resp: 155686
Ion Ratio Lower Upper
64 100
66 33.6 22.7 42.3



#9
Trichlorofluoromethane
Concen: 25.276 ug/L
RT: 3.265 min Scan# 226
Delta R.T. 0.000 min
Lab File: VW031233.D
Acq: 13 Dec 2024 12:24

Tgt Ion: 101 Resp: 281791
Ion Ratio Lower Upper
101 100
103 64.1 51.6 77.4





#10

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

Concen: 25.043 ug/L

RT: 4.069 min Scan# 359

Delta R.T. -0.006 min

Lab File: VW031233.D

Acq: 13 Dec 2024 12:24

Instrument :

MSVOA_W

ClientSampleId :

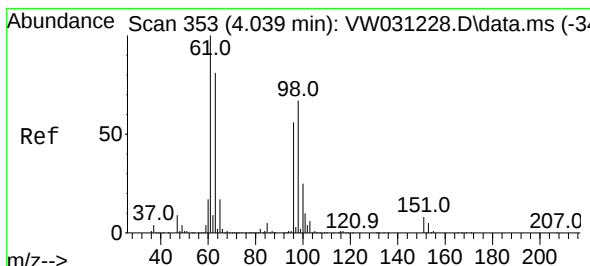
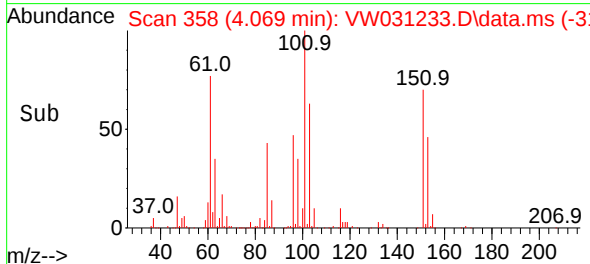
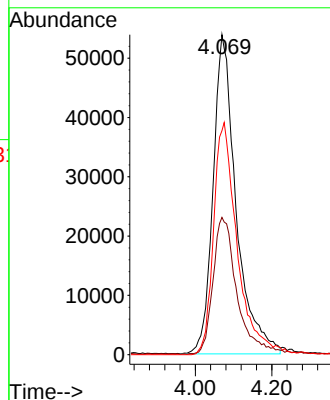
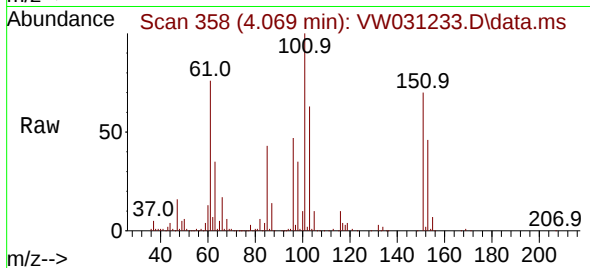
Tgt Ion:101 Resp: 225449

Ion Ratio Lower Upper

101 100

85 43.7 33.0 49.4

151 73.3 54.8 82.2



#12

1,1-Dichloroethene

Concen: 24.984 ug/L

RT: 4.039 min Scan# 353

Delta R.T. 0.000 min

Lab File: VW031233.D

Acq: 13 Dec 2024 12:24

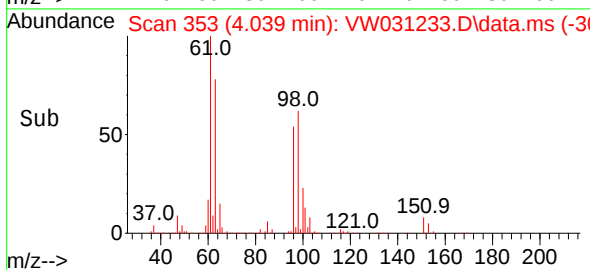
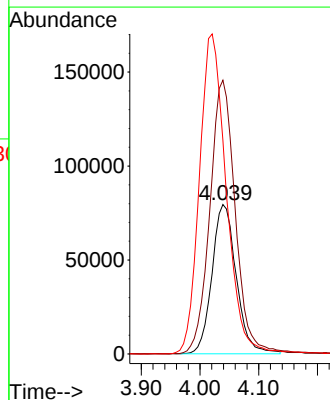
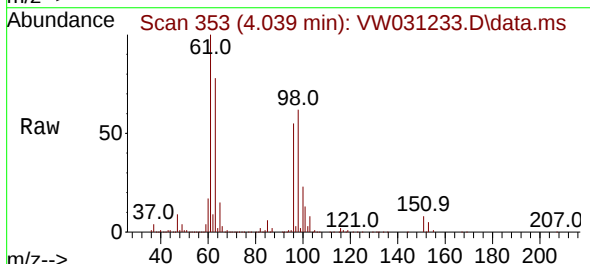
Tgt Ion: 96 Resp: 227800

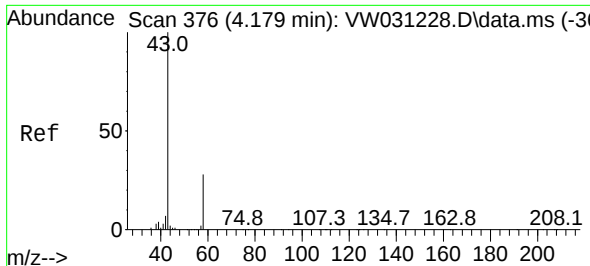
Ion Ratio Lower Upper

96 100

61 183.2 125.3 232.7

63 142.8 104.6 194.2

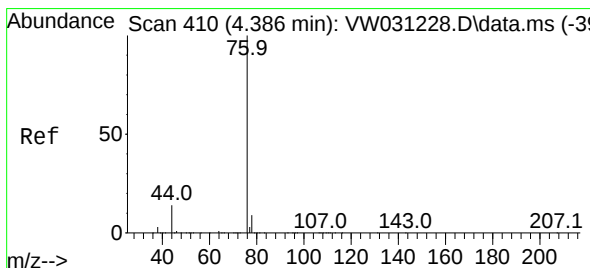
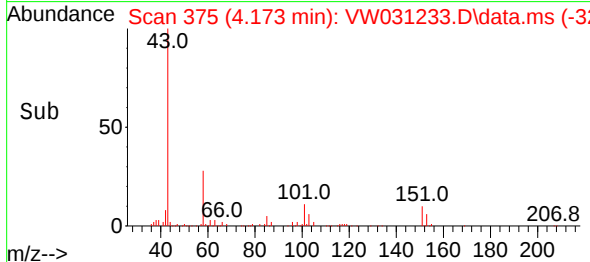
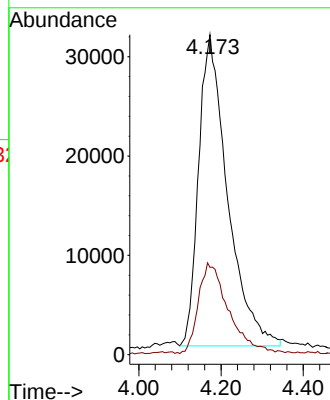
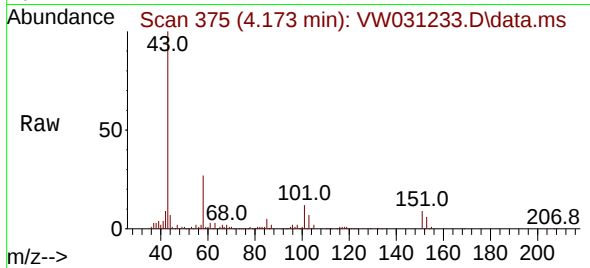




#13
Acetone
Concen: 52.159 ug/L
RT: 4.173 min Scan# 31
Delta R.T. -0.006 min
Lab File: VW031233.D
Acq: 13 Dec 2024 12:24

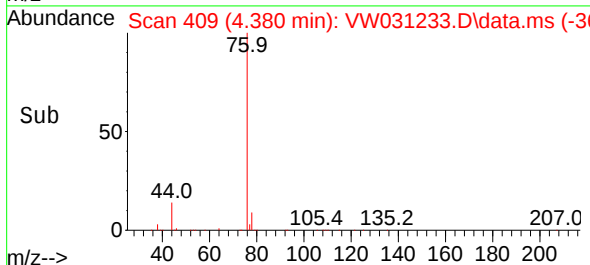
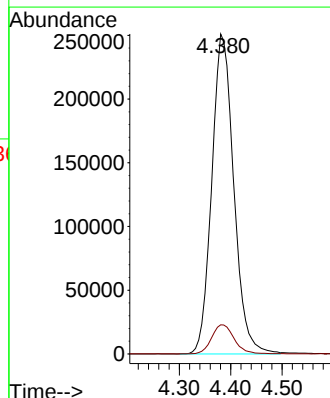
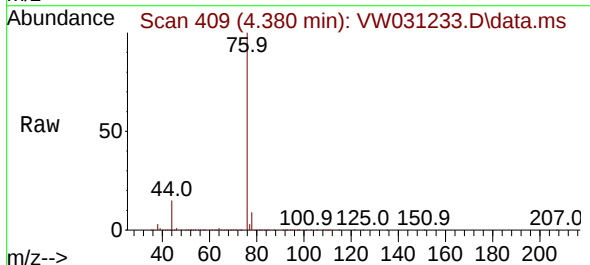
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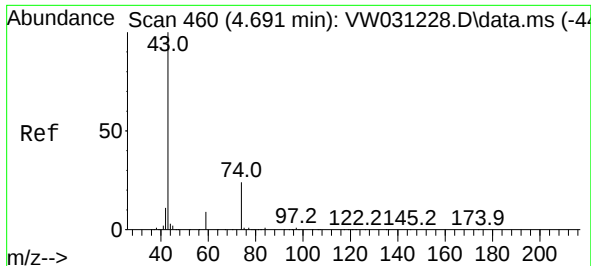
Tgt Ion: 43 Resp: 153088
Ion Ratio Lower Upper
43 100
58 29.4 0.0 0.0#



#14
Carbon disulfide
Concen: 25.121 ug/L
RT: 4.380 min Scan# 409
Delta R.T. -0.006 min
Lab File: VW031233.D
Acq: 13 Dec 2024 12:24

Tgt Ion: 76 Resp: 746995
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9

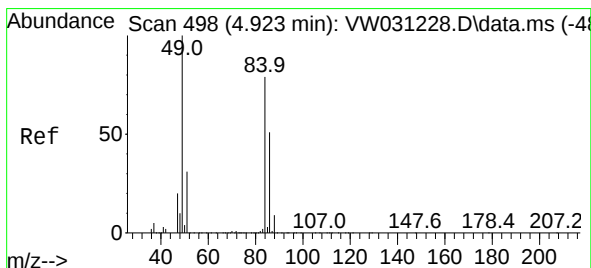
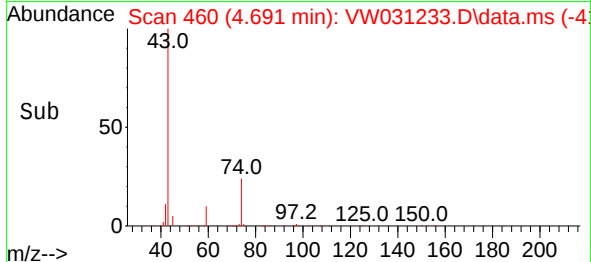
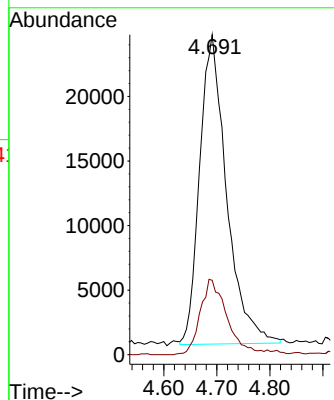
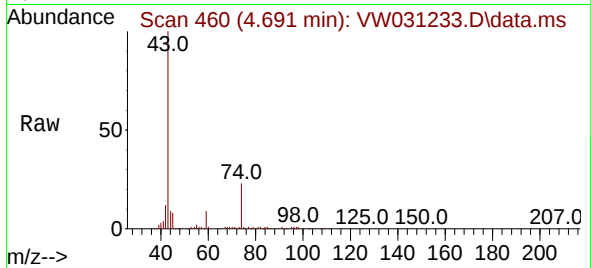




#15
Methyl Acetate
Concen: 25.333 ug/L
RT: 4.691 min Scan# 4
Delta R.T. 0.000 min
Lab File: VW031233.D
Acq: 13 Dec 2024 12:24

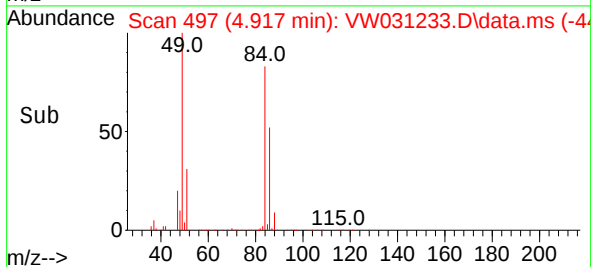
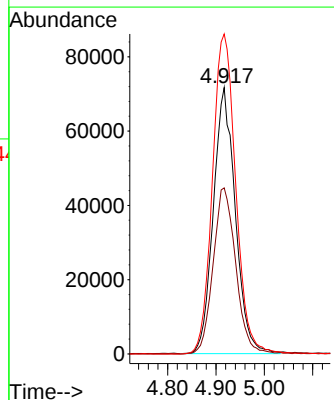
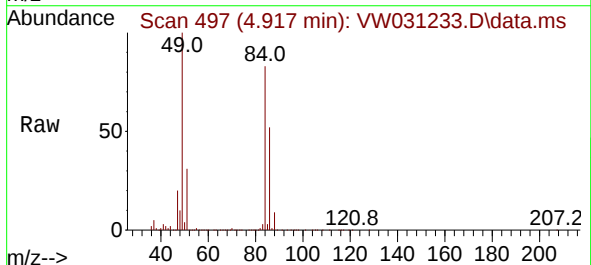
Instrument :
MSVOA_W
ClientSampleId :

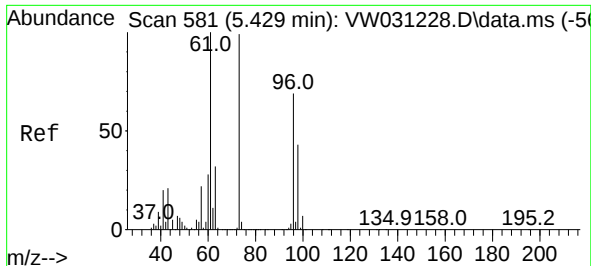
Tgt Ion: 43 Resp: 84448
Ion Ratio Lower Upper
43 100
74 23.9 18.9 28.3



#16
Methylene chloride
Concen: 24.184 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.006 min
Lab File: VW031233.D
Acq: 13 Dec 2024 12:24

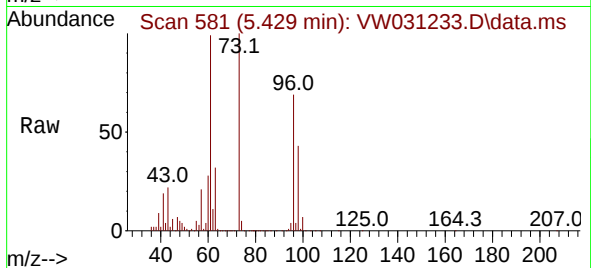
Tgt Ion: 84 Resp: 226315
Ion Ratio Lower Upper
84 100
86 62.4 44.7 82.9
49 120.1 88.3 164.1



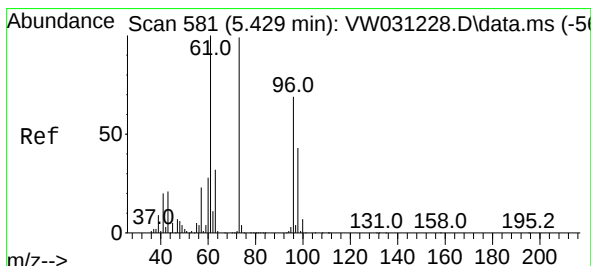
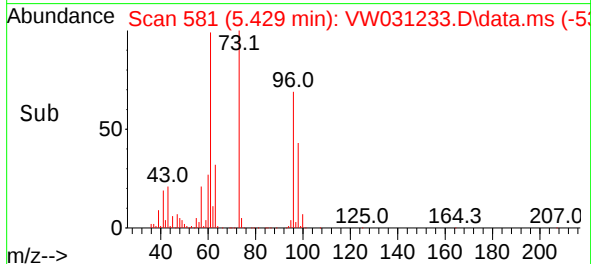
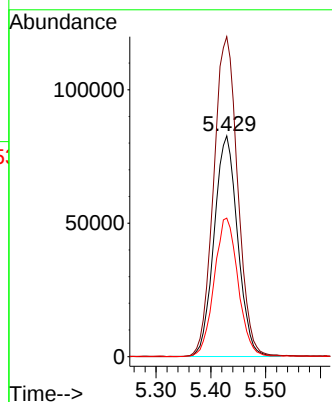


#17
trans-1,2-Dichloroethene
Concen: 25.113 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.000 min
Lab File: VW031233.D
Acq: 13 Dec 2024 12:24

Instrument :
MSVOA_W
ClientSampleId :

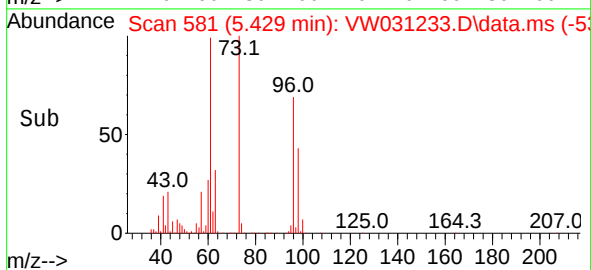
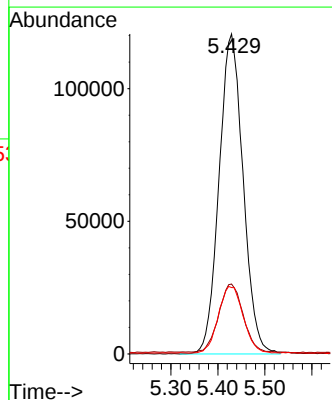
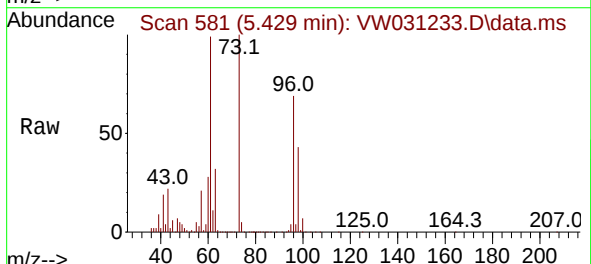


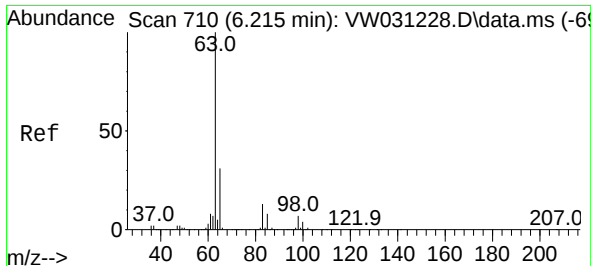
Tgt Ion: 96 Resp: 246821
Ion Ratio Lower Upper
96 100
61 145.0 100.7 187.1
98 62.8 43.8 81.3



#18
Methyl tert-butyl Ether
Concen: 26.097 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.000 min
Lab File: VW031233.D
Acq: 13 Dec 2024 12:24

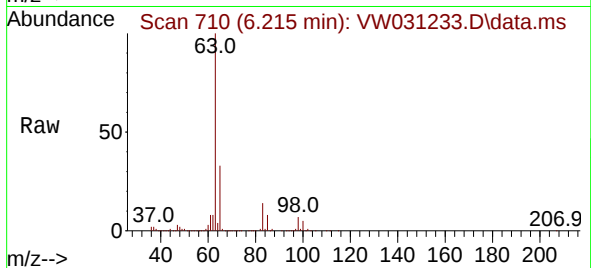
Tgt Ion: 73 Resp: 428795
Ion Ratio Lower Upper
73 100
43 21.4 17.9 26.9
57 21.7 17.9 26.9



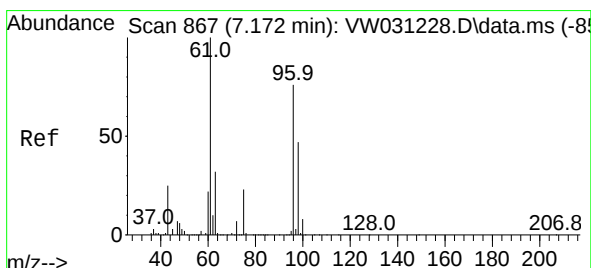
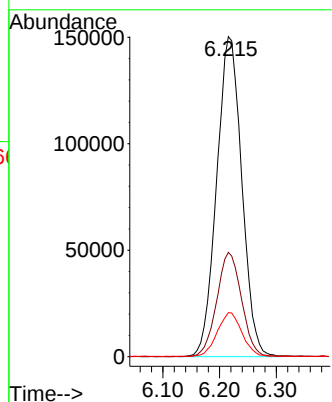
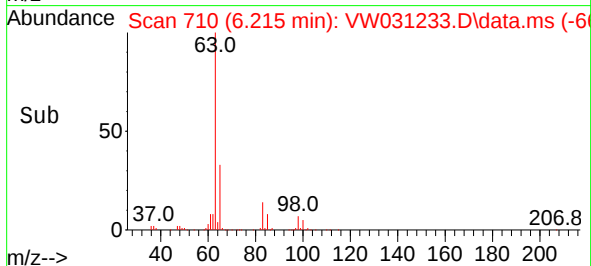


#19
1,1-Dichloroethane
Concen: 25.195 ug/L
RT: 6.215 min Scan# 710
Delta R.T. 0.000 min
Lab File: VW031233.D
Acq: 13 Dec 2024 12:24

Instrument :
MSVOA_W
ClientSampleId :

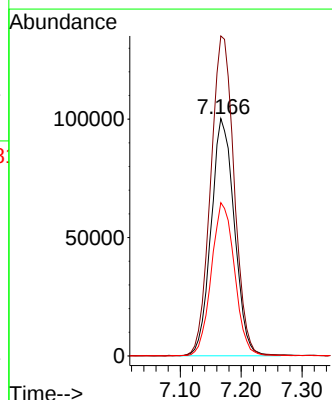
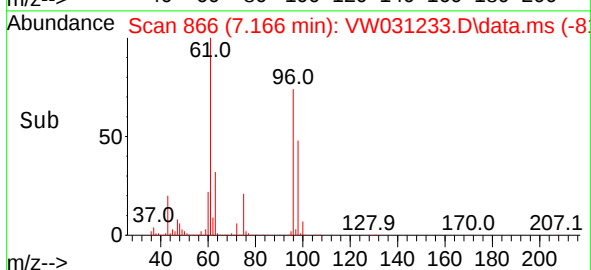
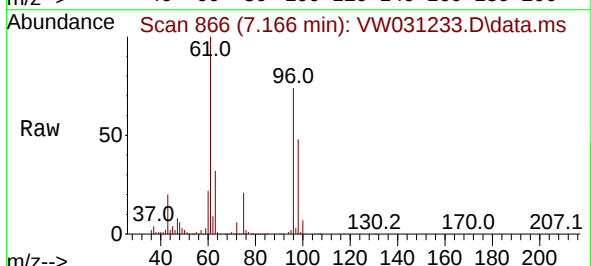


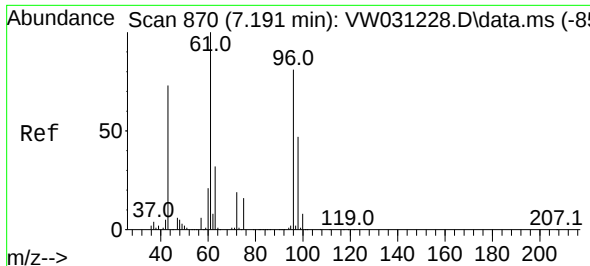
Tgt Ion: 63 Resp: 462733
Ion Ratio Lower Upper
63 100
65 32.6 21.9 40.7
83 13.8 9.3 17.3



#20
cis-1,2-Dichloroethene
Concen: 24.975 ug/L
RT: 7.166 min Scan# 866
Delta R.T. -0.006 min
Lab File: VW031233.D
Acq: 13 Dec 2024 12:24

Tgt Ion: 96 Resp: 265572
Ion Ratio Lower Upper
96 100
61 134.7 92.2 171.2
98 64.5 43.7 81.1





#22

2-Butanone

Concen: 49.336 ug/L

RT: 7.185 min Scan# 870

Delta R.T. -0.006 min

Lab File: VW031233.D

Acq: 13 Dec 2024 12:24

Instrument :

MSVOA_W

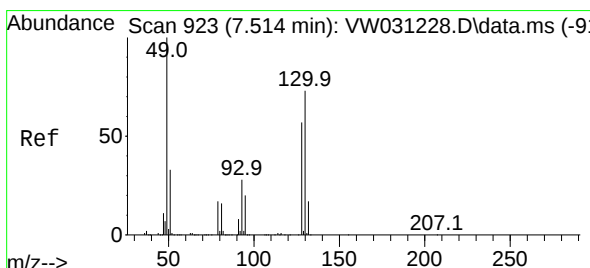
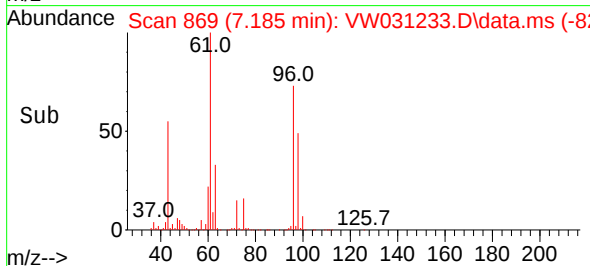
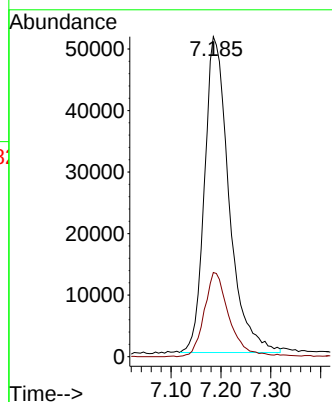
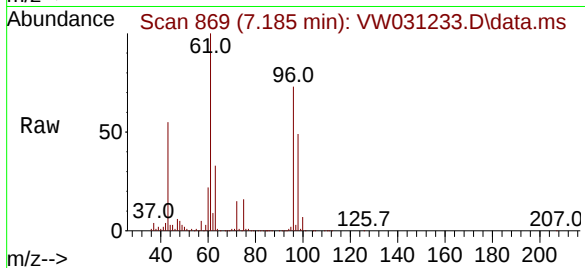
ClientSampleId :

Tgt Ion: 43 Resp: 175451

Ion Ratio Lower Upper

43 100

72 26.4 13.3 39.8



#23

Bromochloromethane

Concen: 24.897 ug/L

RT: 7.520 min Scan# 924

Delta R.T. 0.006 min

Lab File: VW031233.D

Acq: 13 Dec 2024 12:24

Tgt Ion: 128 Resp: 105585

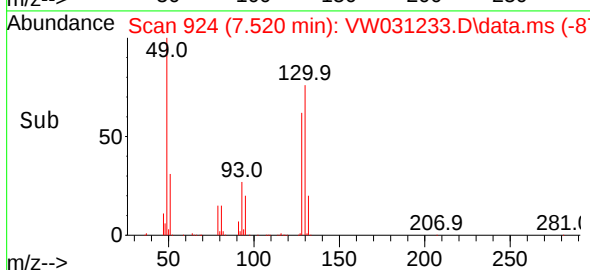
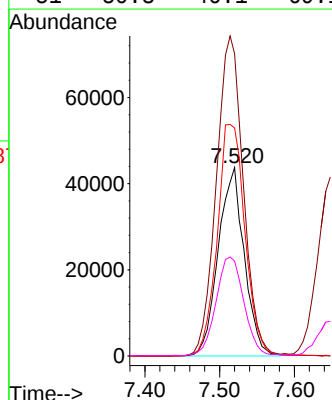
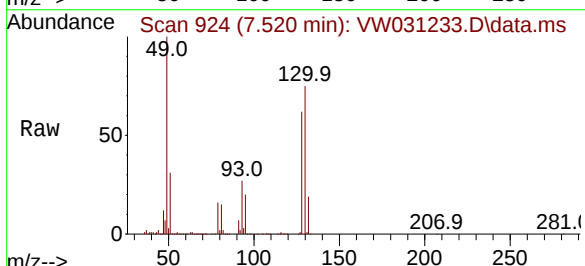
Ion Ratio Lower Upper

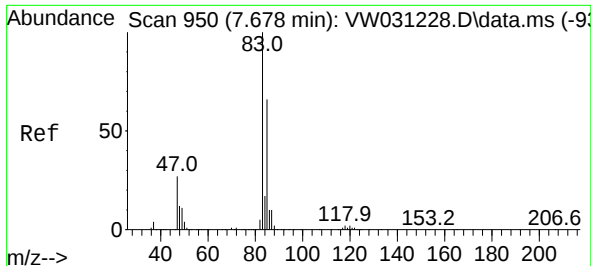
128 100

49 160.5 123.7 229.7

130 121.1 90.3 167.7

51 50.3 46.1 69.1





#25

Chloroform

Concen: 25.200 ug/L

RT: 7.672 min Scan# 949

Delta R.T. -0.006 min

Lab File: VW031233.D

Acq: 13 Dec 2024 12:24

Instrument :

MSVOA_W

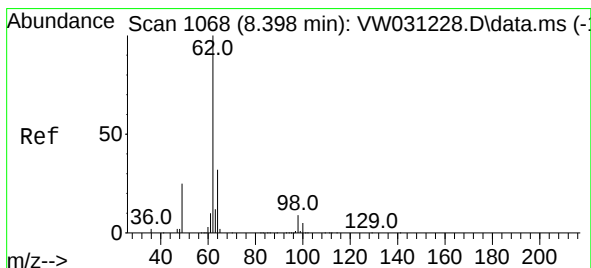
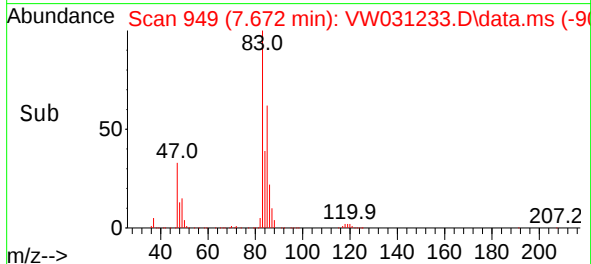
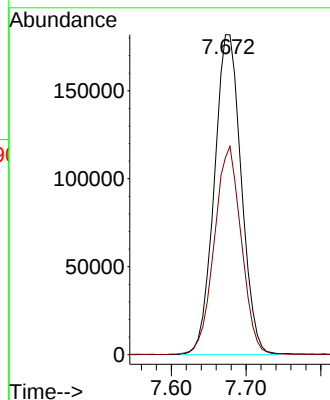
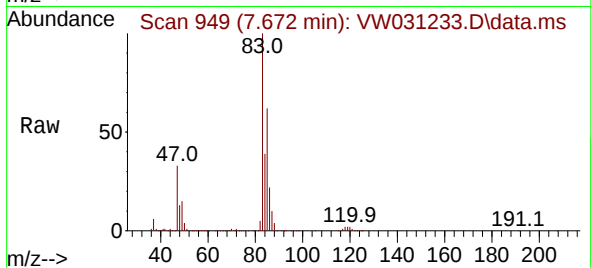
ClientSampleId :

Tgt Ion: 83 Resp: 456785

Ion Ratio Lower Upper

83 100

85 61.7 46.1 85.5



#27

1,2-Dichloroethane

Concen: 25.773 ug/L

RT: 8.398 min Scan# 1068

Delta R.T. 0.000 min

Lab File: VW031233.D

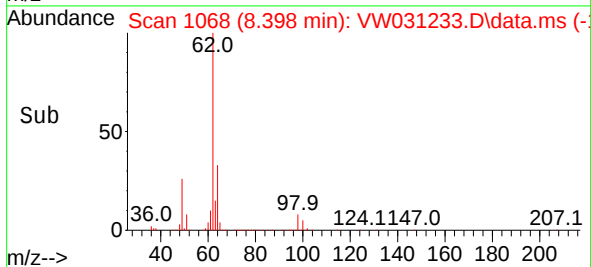
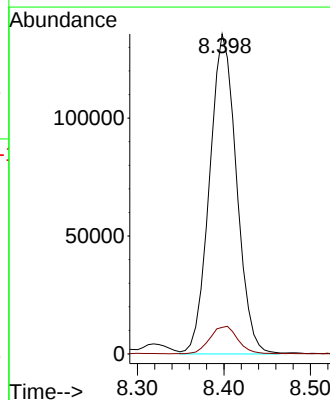
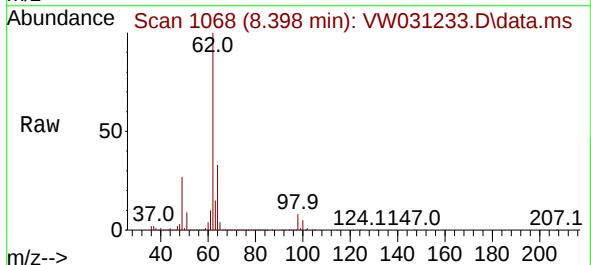
Acq: 13 Dec 2024 12:24

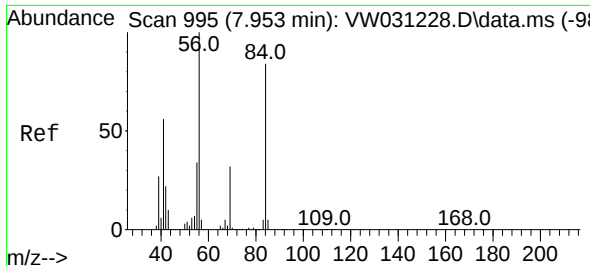
Tgt Ion: 62 Resp: 293701

Ion Ratio Lower Upper

62 100

98 8.3 7.2 10.8





#29

Cyclohexane

Concen: 25.215 ug/L

RT: 7.953 min Scan# 995

Delta R.T. 0.000 min

Lab File: VW031233.D

Acq: 13 Dec 2024 12:24

Instrument :

MSVOA_W

ClientSampleId :

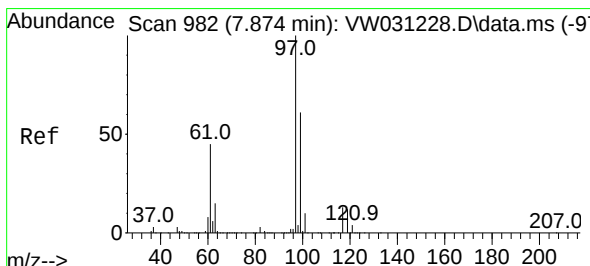
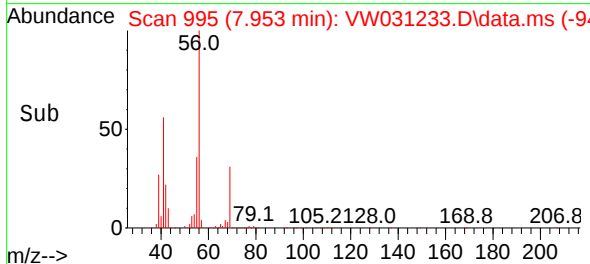
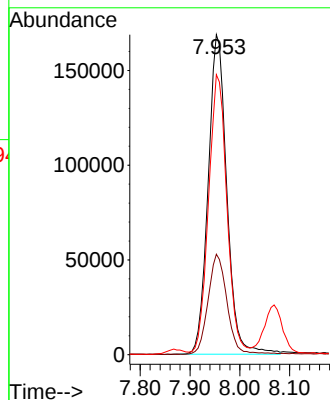
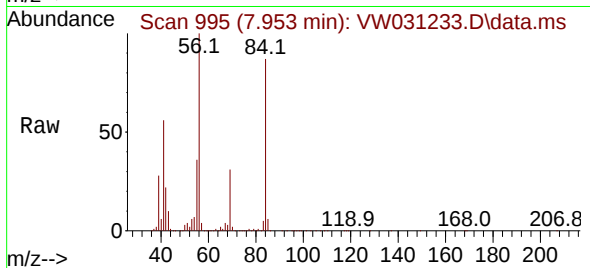
Tgt Ion: 56 Resp: 439455

Ion Ratio Lower Upper

56 100

69 31.7 25.0 37.4

84 86.0 68.9 103.3



#30

1,1,1-Trichloroethane

Concen: 24.838 ug/L

RT: 7.874 min Scan# 982

Delta R.T. 0.000 min

Lab File: VW031233.D

Acq: 13 Dec 2024 12:24

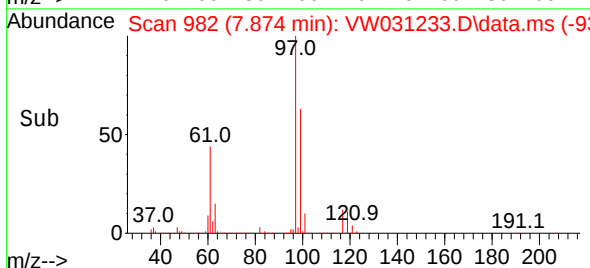
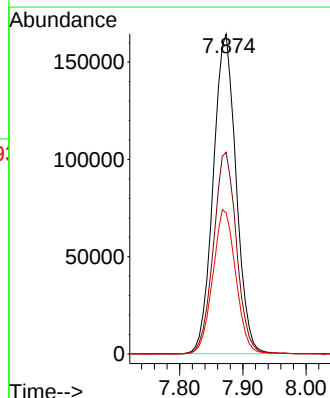
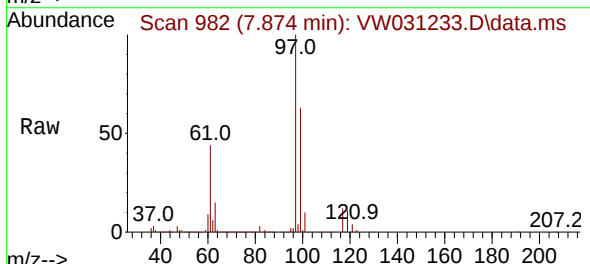
Tgt Ion: 97 Resp: 412576

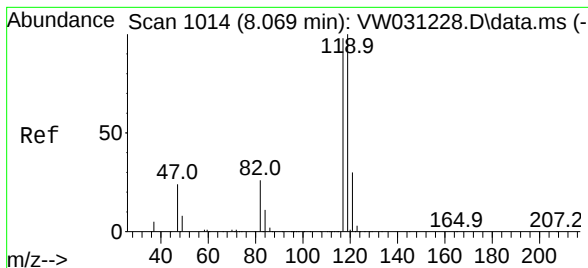
Ion Ratio Lower Upper

97 100

99 63.9 51.1 76.7

61 45.4 36.3 54.5





#31

Carbon tetrachloride

Concen: 24.801 ug/L

RT: 8.069 min Scan# 1014

Delta R.T. 0.000 min

Lab File: VW031233.D

Acq: 13 Dec 2024 12:24

Instrument :

MSVOA_W

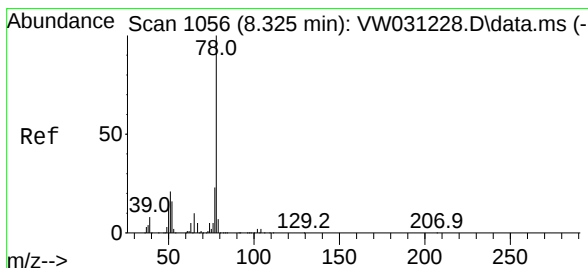
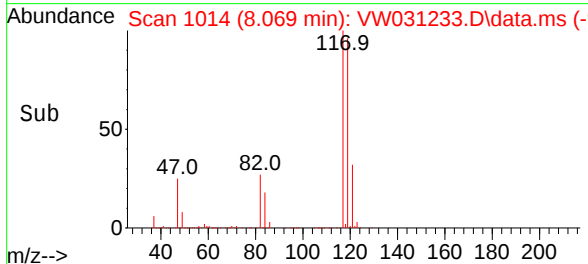
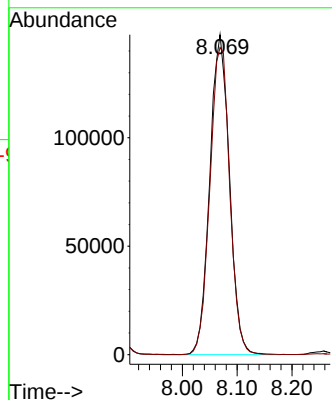
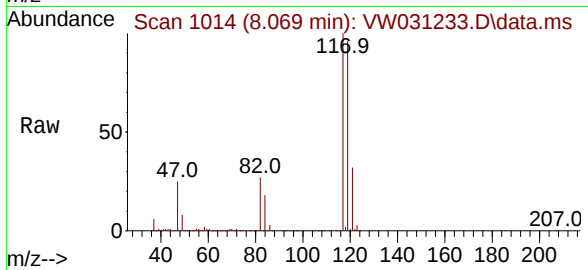
ClientSampleId :

Tgt Ion:117 Resp: 367024

Ion Ratio Lower Upper

117 100

119 97.1 76.0 114.0



#33

Benzene

Concen: 25.158 ug/L

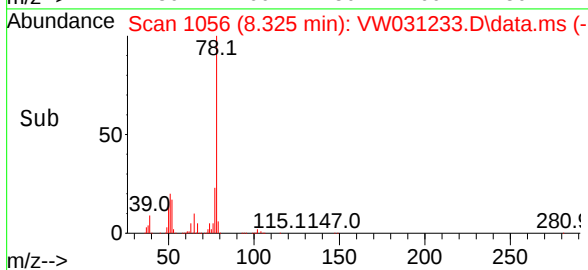
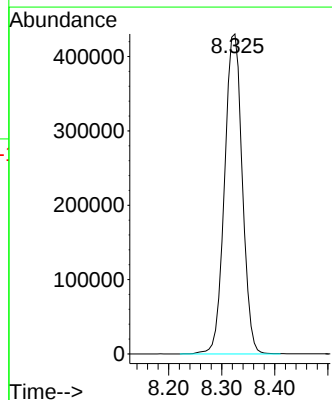
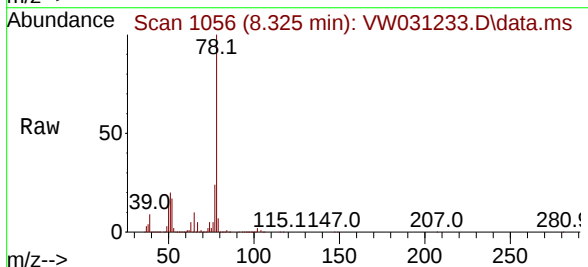
RT: 8.325 min Scan# 1056

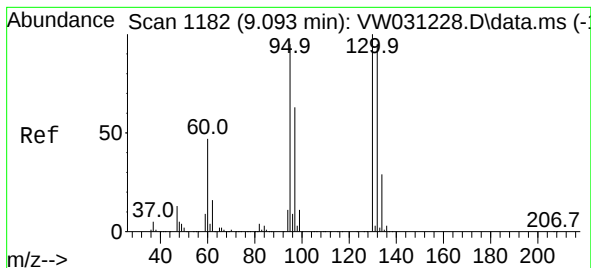
Delta R.T. 0.000 min

Lab File: VW031233.D

Acq: 13 Dec 2024 12:24

Tgt Ion: 78 Resp: 999159





#34

Trichloroethene

Concen: 25.007 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

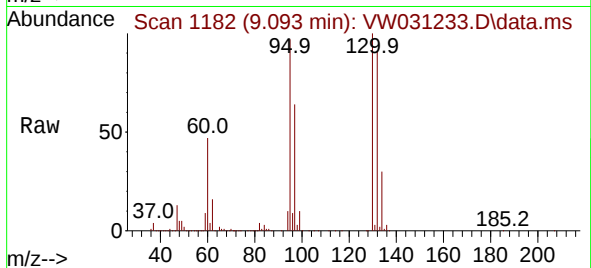
Lab File: VW031233.D

Acq: 13 Dec 2024 12:24

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 95 Resp: 280390

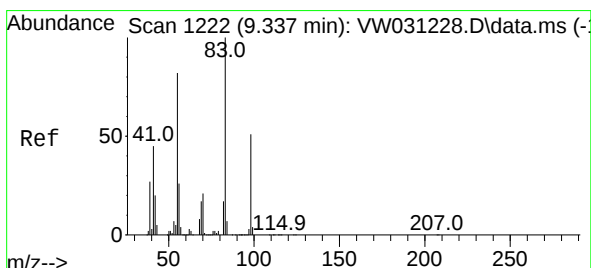
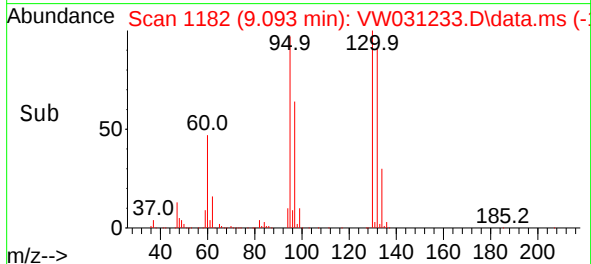
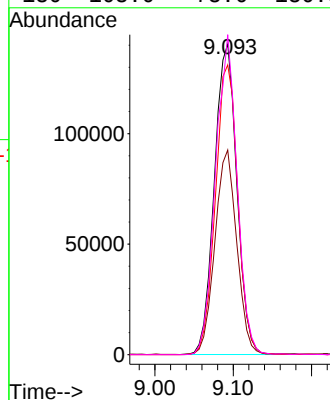
Ion Ratio Lower Upper

95 100

97 65.8 46.5 86.3

132 93.2 70.3 130.5

130 103.0 73.6 136.8



#35

Methylcyclohexane

Concen: 25.480 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. -0.006 min

Lab File: VW031233.D

Acq: 13 Dec 2024 12:24

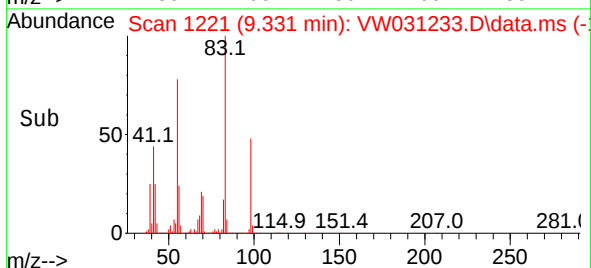
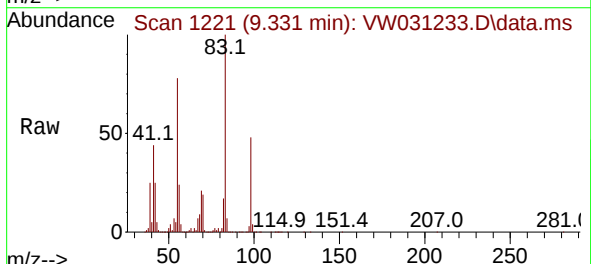
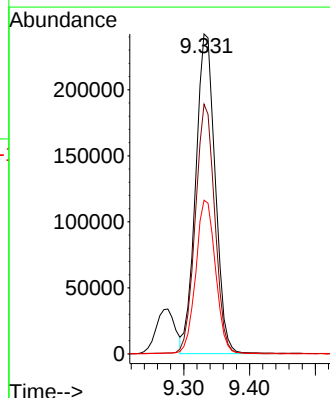
Tgt Ion: 83 Resp: 497529

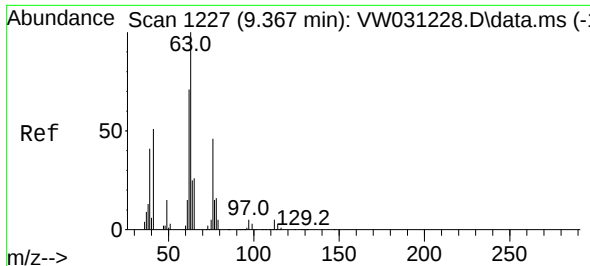
Ion Ratio Lower Upper

83 100

55 77.4 62.6 93.8

98 48.9 39.8 59.6





#37

1,2-Dichloropropane

Concen: 25.148 ug/L

RT: 9.367 min Scan# 1227

Delta R.T. 0.000 min

Lab File: VW031233.D

Acq: 13 Dec 2024 12:24

Instrument :

MSVOA_W

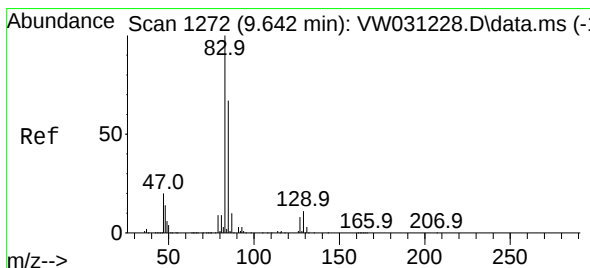
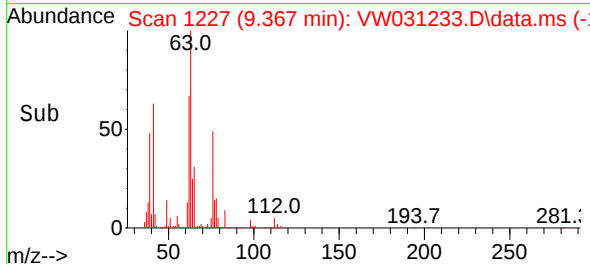
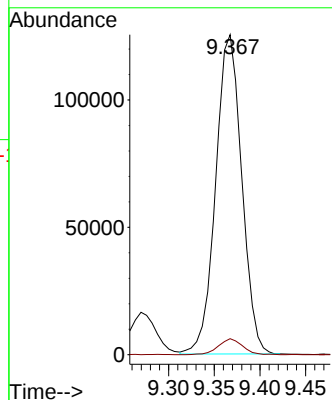
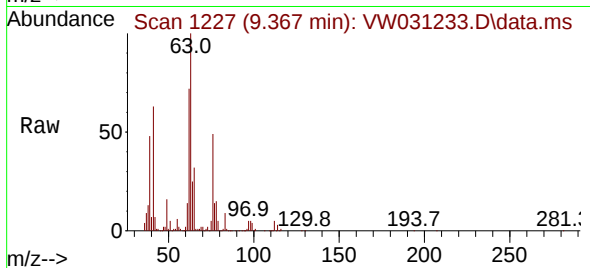
ClientSampleId :

Tgt Ion: 63 Resp: 249157

Ion Ratio Lower Upper

63 100

112 4.6 3.8 5.8



#38

Bromodichloromethane

Concen: 25.315 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW031233.D

Acq: 13 Dec 2024 12:24

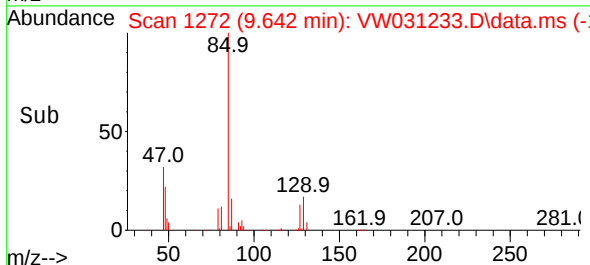
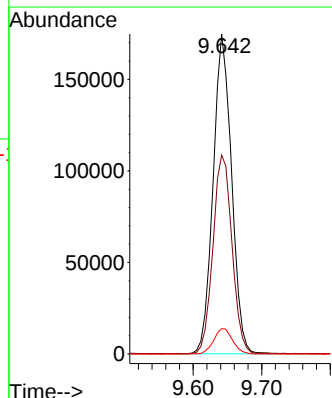
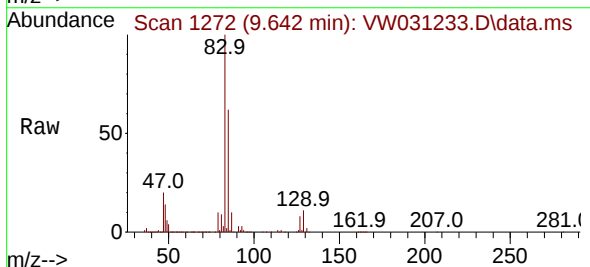
Tgt Ion: 83 Resp: 326063

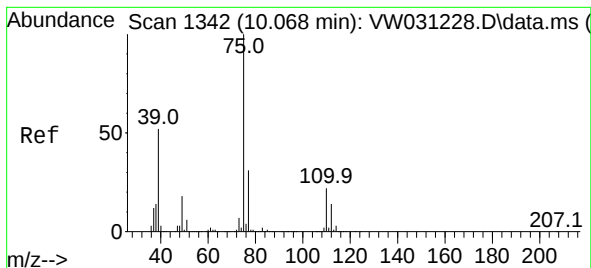
Ion Ratio Lower Upper

83 100

85 62.2 46.5 86.5

127 7.9 6.2 9.4

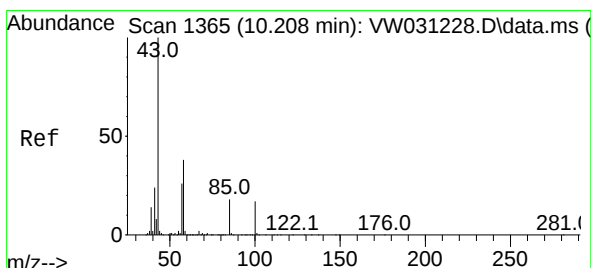
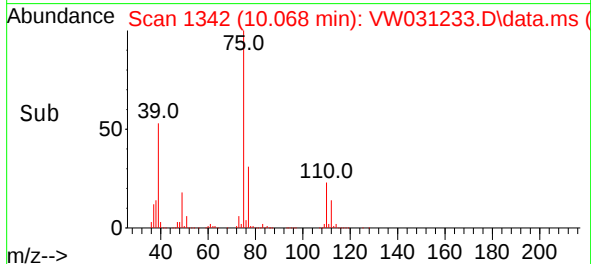
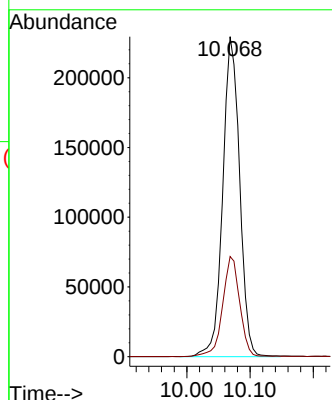
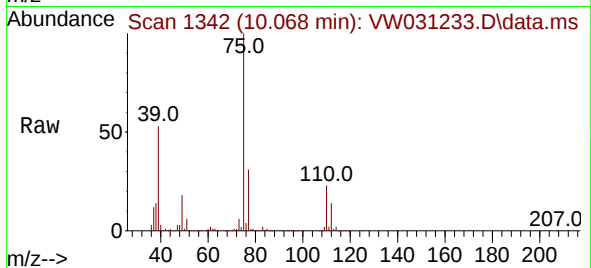




#39
 cis-1,3-Dichloropropene
 Concen: 25.315 ug/L
 RT: 10.068 min Scan# 1342
 Delta R.T. 0.000 min
 Lab File: VW031233.D
 Acq: 13 Dec 2024 12:24

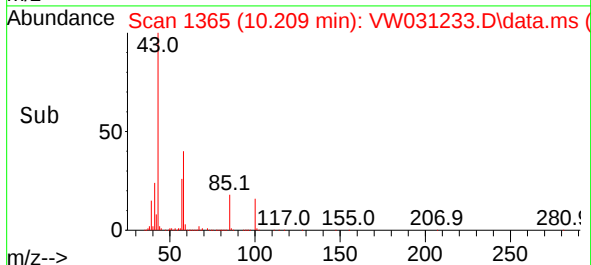
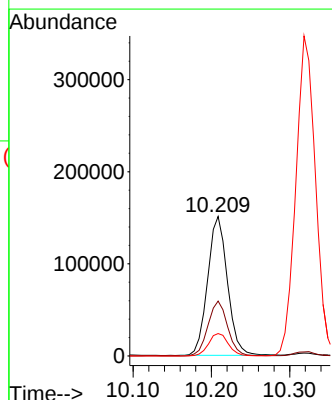
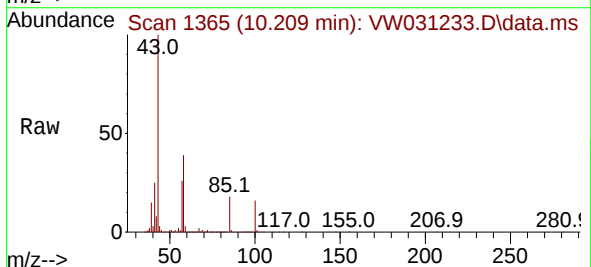
Instrument :
 MSVOA_W
 ClientSampleId :

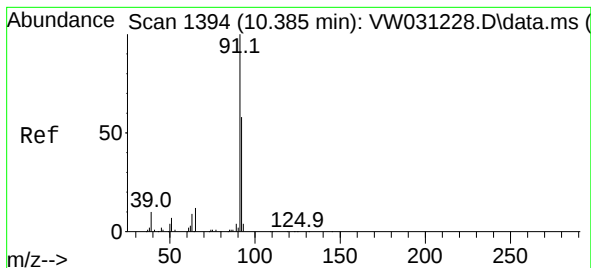
Tgt Ion: 75 Resp: 423819
 Ion Ratio Lower Upper
 75 100
 77 31.3 21.8 40.4



#40
 4-Methyl-2-pentanone
 Concen: 50.399 ug/L
 RT: 10.209 min Scan# 1365
 Delta R.T. 0.000 min
 Lab File: VW031233.D
 Acq: 13 Dec 2024 12:24

Tgt Ion: 43 Resp: 264913
 Ion Ratio Lower Upper
 43 100
 58 39.2 31.1 46.7
 100 16.3 13.0 19.6





#42

Toluene

Concen: 25.239 ug/L

RT: 10.385 min Scan# 1394

Delta R.T. 0.000 min

Lab File: VW031233.D

Acq: 13 Dec 2024 12:24

Instrument :

MSVOA_W

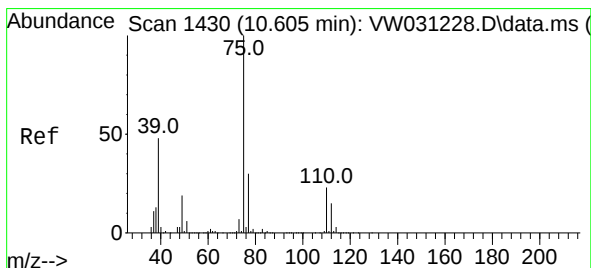
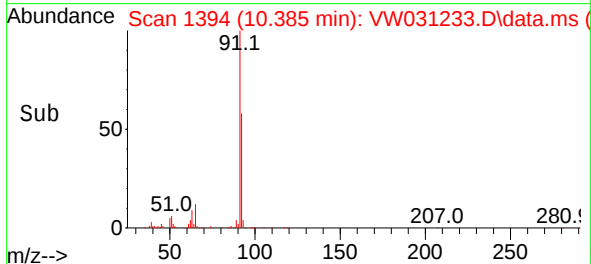
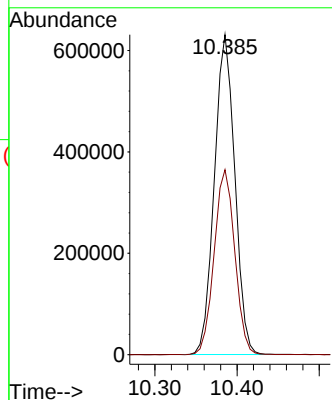
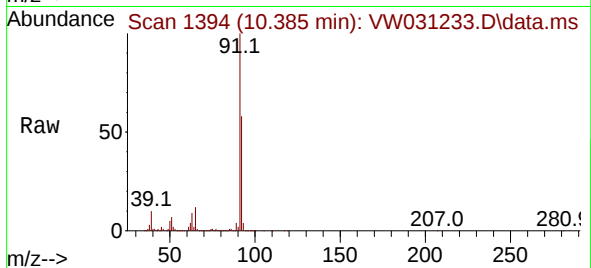
ClientSampleId :

Tgt Ion: 91 Resp: 1091322

Ion Ratio Lower Upper

91 100

92 57.8 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 25.248 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VW031233.D

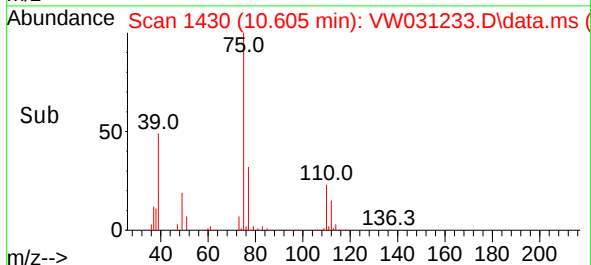
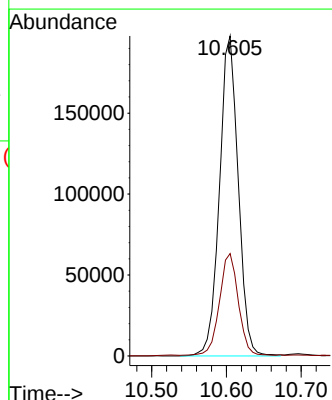
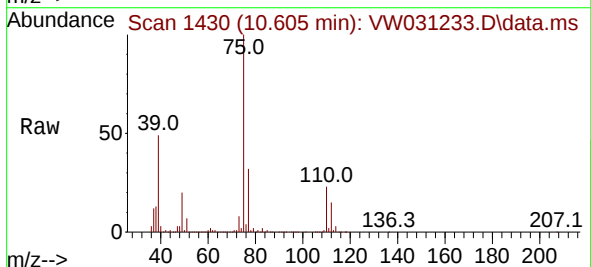
Acq: 13 Dec 2024 12:24

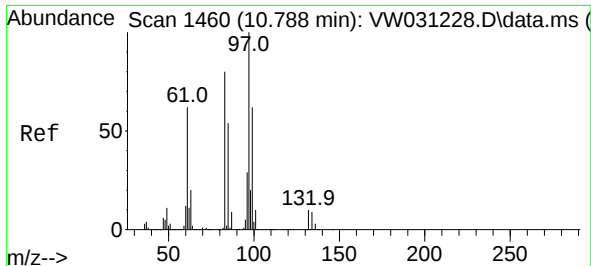
Tgt Ion: 75 Resp: 345136

Ion Ratio Lower Upper

75 100

77 32.0 21.2 39.4





#45

1,1,2-Trichloroethane

Concen: 25.850 ug/L

RT: 10.782 min Scan# 1459

Delta R.T. -0.006 min

Lab File: VW031233.D

Acq: 13 Dec 2024 12:24

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 97 Resp: 170349

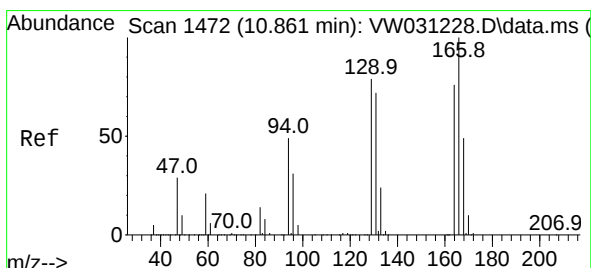
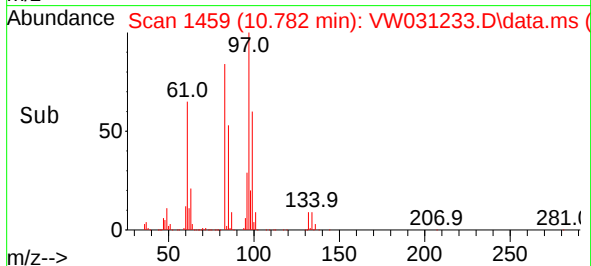
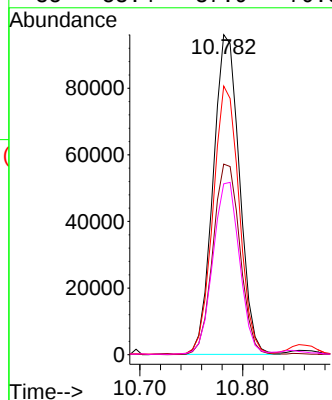
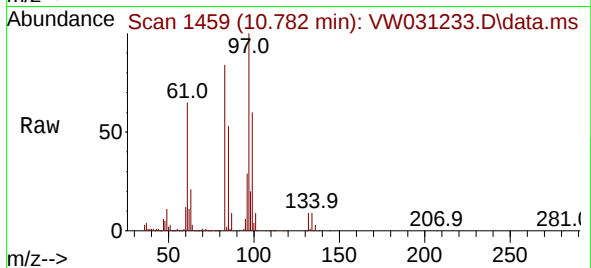
Ion Ratio Lower Upper

97 100

99 59.6 43.0 80.0

83 83.9 56.4 104.7

85 53.4 37.9 70.3



#46

Tetrachloroethene

Concen: 24.970 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VW031233.D

Acq: 13 Dec 2024 12:24

Tgt Ion:164 Resp: 205074

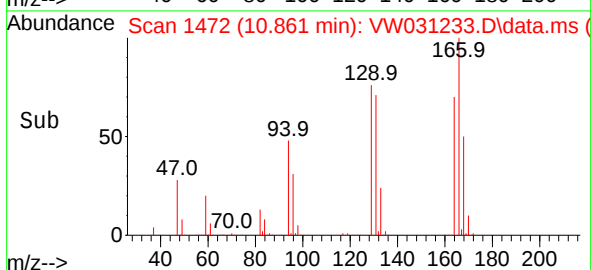
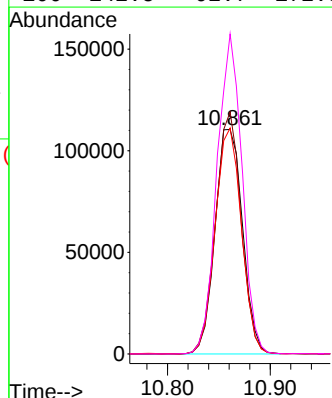
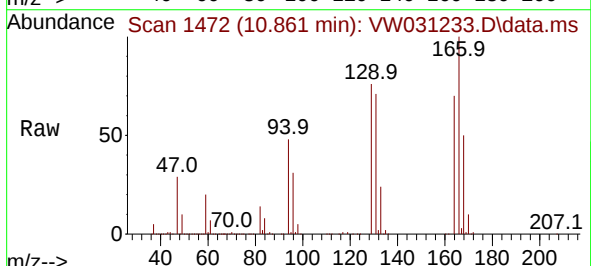
Ion Ratio Lower Upper

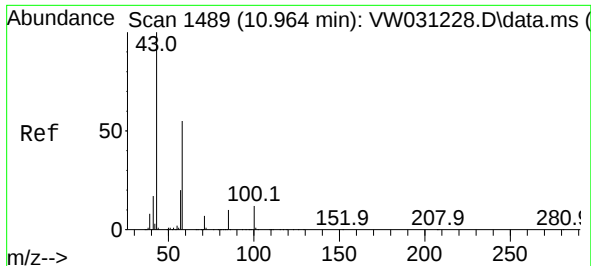
164 100

129 107.8 73.5 136.5

131 100.6 66.6 123.8

166 142.5 92.7 172.3





#48

2-Hexanone

Concen: 56.426 ug/L

RT: 10.964 min Scan# 1489

Delta R.T. 0.000 min

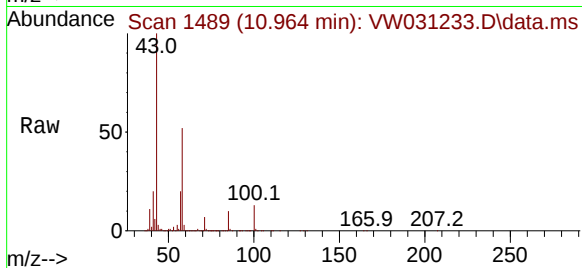
Lab File: VW031233.D

Acq: 13 Dec 2024 12:24

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 43 Resp: 252250

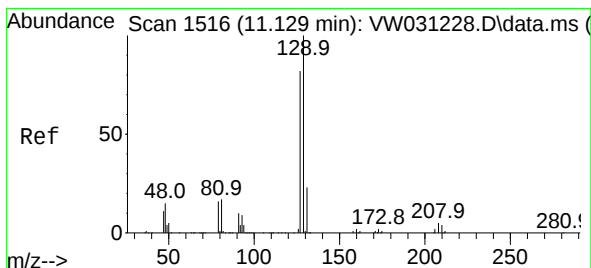
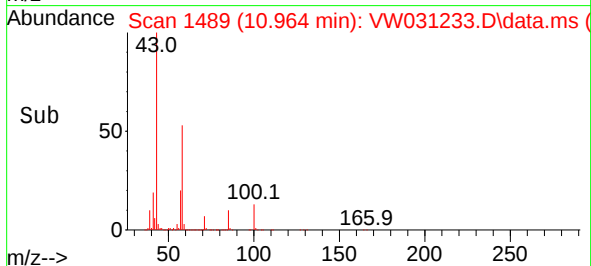
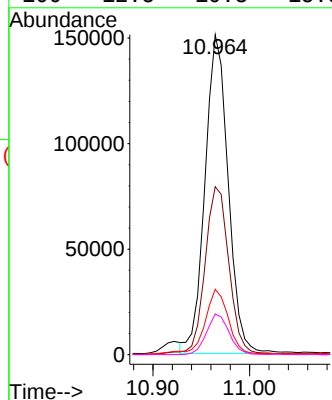
Ion Ratio Lower Upper

43 100

58 54.7 43.0 64.6

57 19.8 15.7 23.5

100 12.5 10.3 15.5



#49

Dibromochloromethane

Concen: 25.755 ug/L

RT: 11.123 min Scan# 1515

Delta R.T. -0.006 min

Lab File: VW031233.D

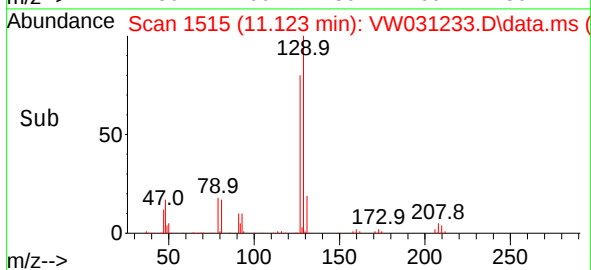
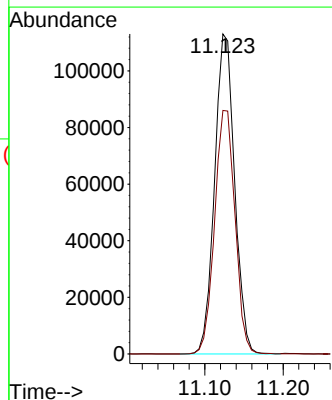
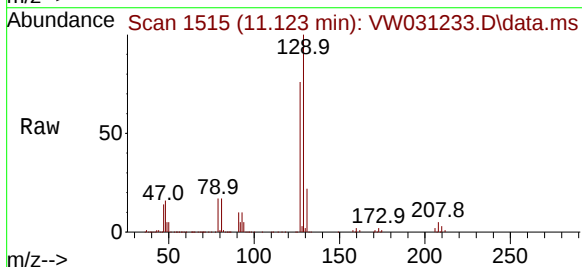
Acq: 13 Dec 2024 12:24

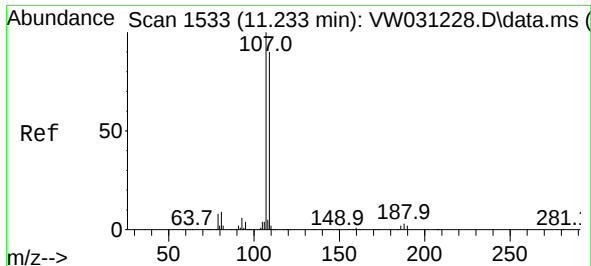
Tgt Ion: 129 Resp: 201187

Ion Ratio Lower Upper

129 100

127 76.1 57.6 107.0





#50

1,2-Dibromoethane

Concen: 25.872 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. 0.000 min

Lab File: VW031233.D

Acq: 13 Dec 2024 12:24

Instrument :

MSVOA_W

ClientSampleId :

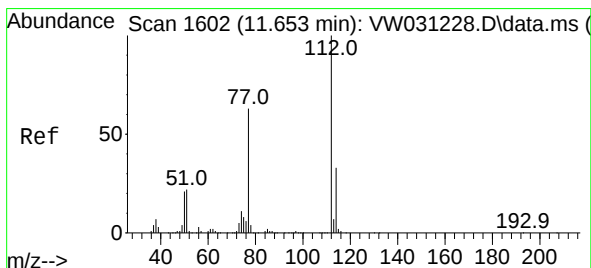
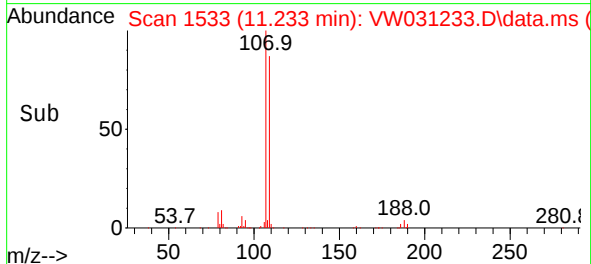
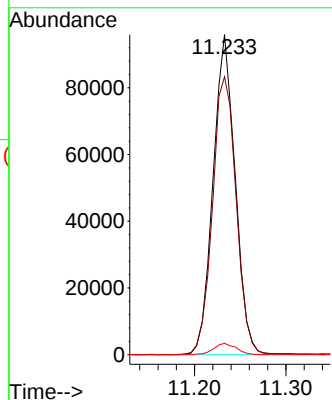
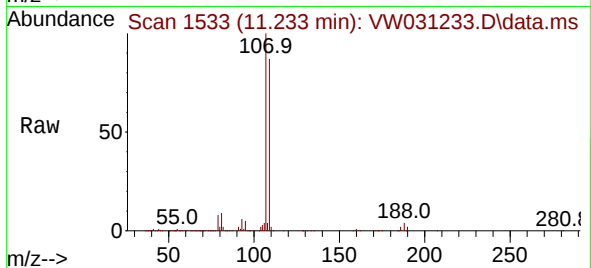
Tgt Ion:107 Resp: 161508

Ion Ratio Lower Upper

107 100

109 86.8 63.2 117.4

188 3.5 2.6 4.0



#51

Chlorobenzene

Concen: 24.777 ug/L

RT: 11.653 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VW031233.D

Acq: 13 Dec 2024 12:24

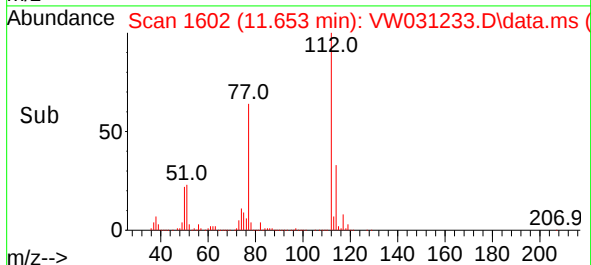
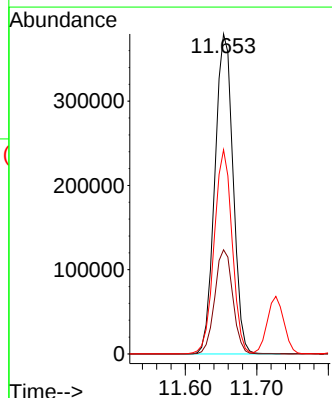
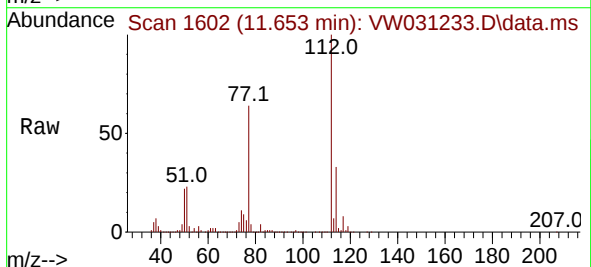
Tgt Ion:112 Resp: 671725

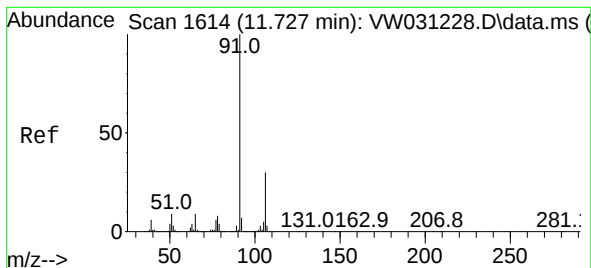
Ion Ratio Lower Upper

112 100

114 32.6 22.7 42.3

77 63.8 50.2 75.4

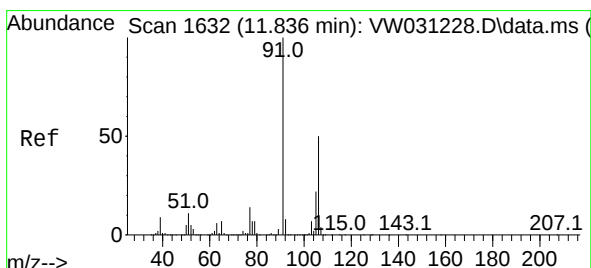
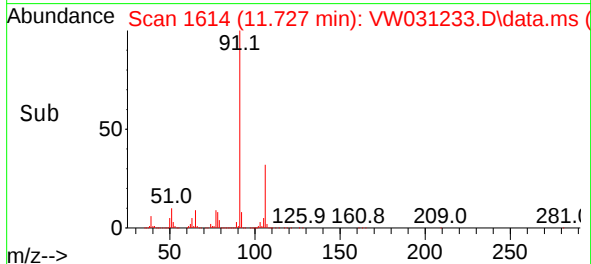
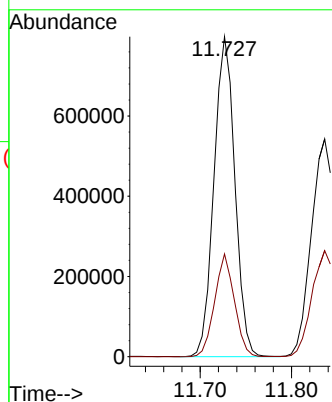
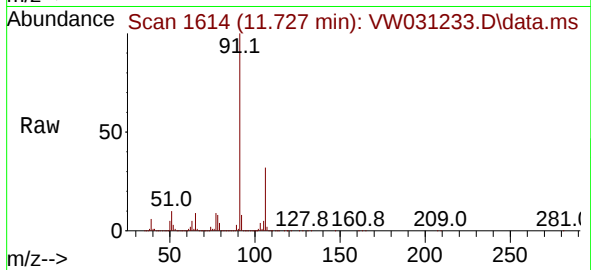




#52
Ethylbenzene
Concen: 25.298 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW031233.D
Acq: 13 Dec 2024 12:24

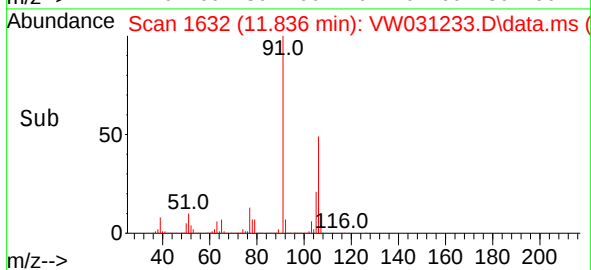
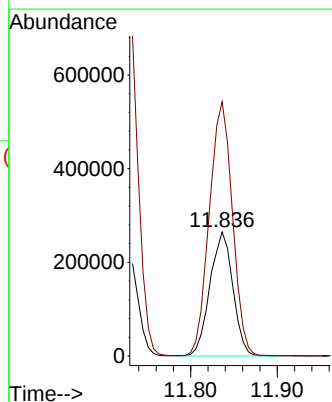
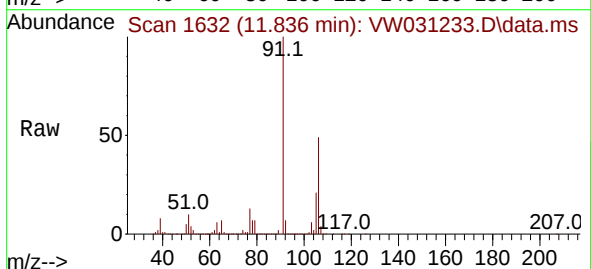
Instrument :
MSVOA_W
ClientSampleId :

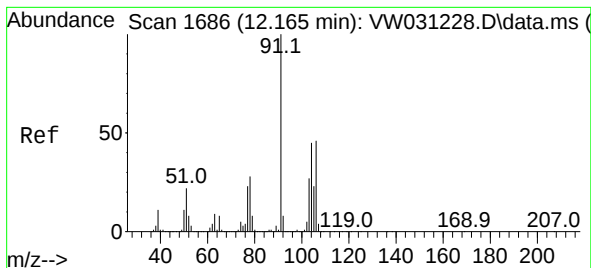
Tgt Ion: 91 Resp: 1267781
Ion Ratio Lower Upper
91 100
106 32.1 20.7 38.5



#53
m,p-Xylene
Concen: 25.506 ug/L
RT: 11.836 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW031233.D
Acq: 13 Dec 2024 12:24

Tgt Ion:106 Resp: 486586
Ion Ratio Lower Upper
106 100
91 205.1 139.9 259.7

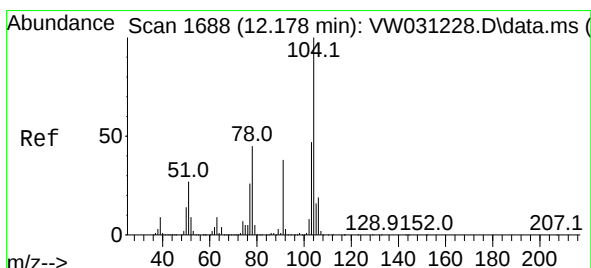
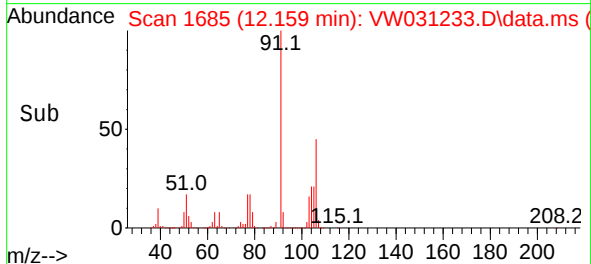
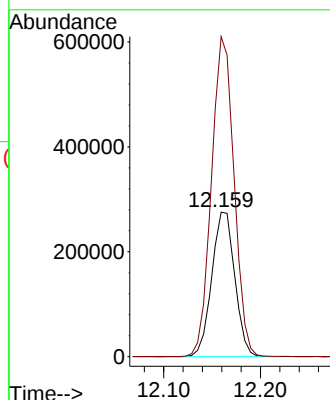
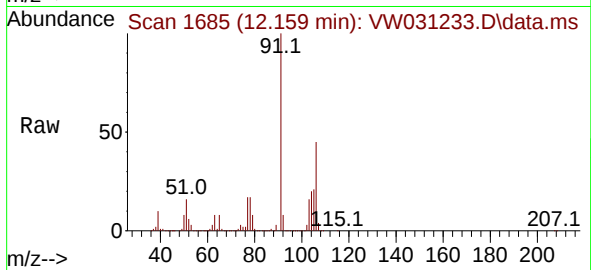




#54
o-Xylene
Concen: 25.335 ug/L
RT: 12.159 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VW031233.D
Acq: 13 Dec 2024 12:24

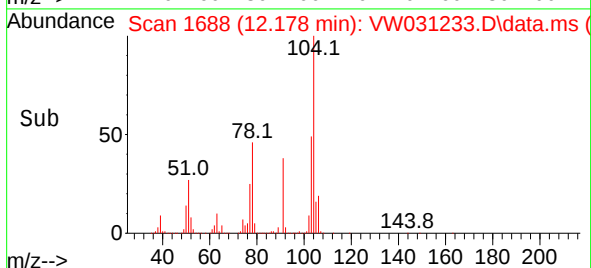
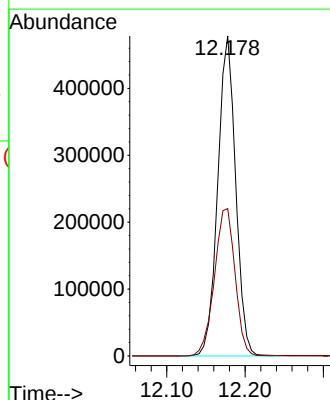
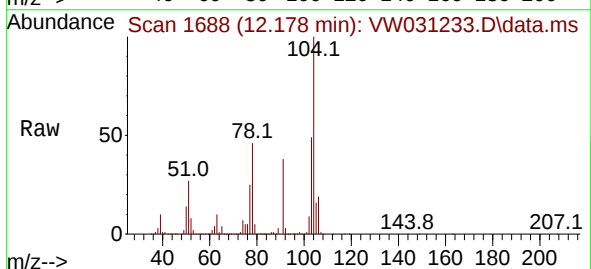
Instrument :
MSVOA_W
ClientSampleId :

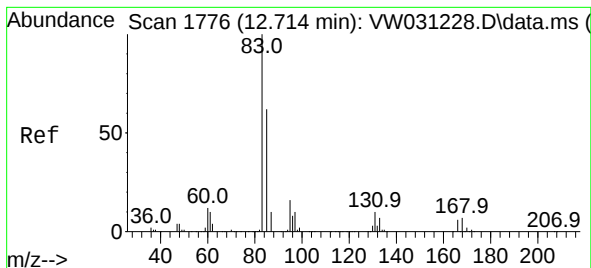
Tgt Ion:106 Resp: 455508
Ion Ratio Lower Upper
106 100
91 221.4 153.1 284.3



#55
Styrene
Concen: 25.451 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW031233.D
Acq: 13 Dec 2024 12:24

Tgt Ion:104 Resp: 761177
Ion Ratio Lower Upper
104 100
78 46.0 31.4 58.4





#57

1,1,2,2-Tetrachloroethane

Concen: 26.043 ug/L

RT: 12.708 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW031233.D

Acq: 13 Dec 2024 12:24

Instrument :

MSVOA_W

ClientSampleId :

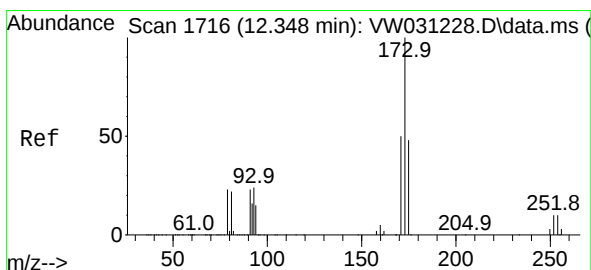
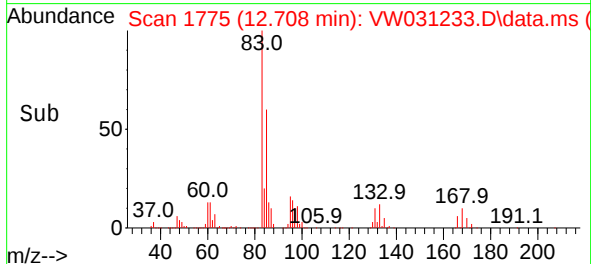
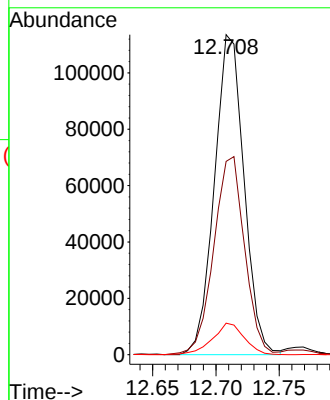
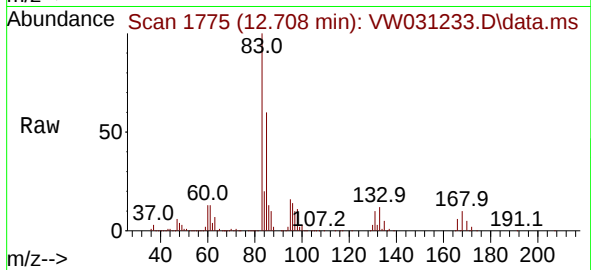
Tgt Ion: 83 Resp: 185006

Ion Ratio Lower Upper

83 100

85 60.4 44.1 81.9

131 9.8 7.9 11.9



#59

Bromoform

Concen: 23.065 ug/L

RT: 12.348 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VW031233.D

Acq: 13 Dec 2024 12:24

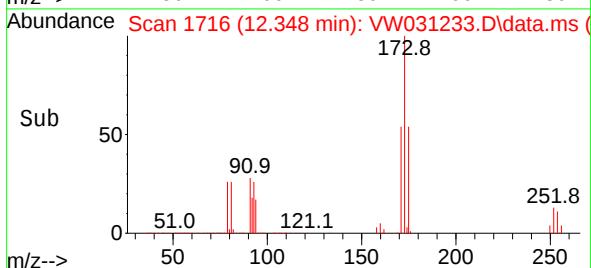
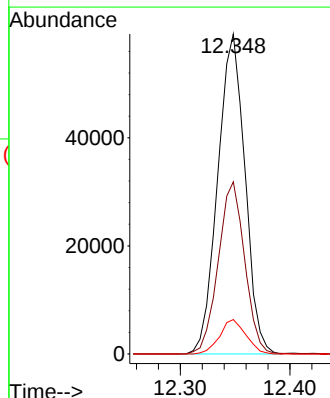
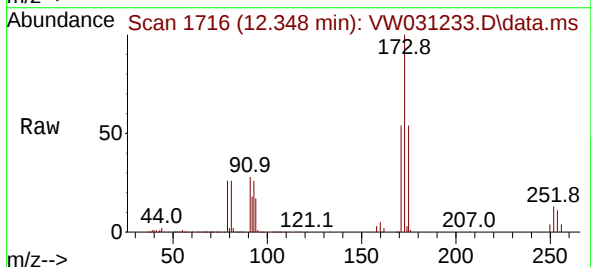
Tgt Ion:173 Resp: 102040

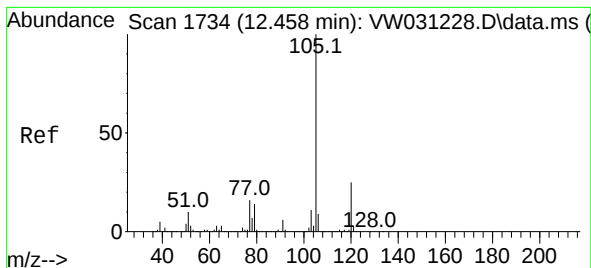
Ion Ratio Lower Upper

173 100

175 52.2 38.6 57.8

254 10.4 7.6 11.4





#60

Isopropylbenzene

Concen: 24.931 ug/L

RT: 12.458 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW031233.D

Acq: 13 Dec 2024 12:24

Instrument :

MSVOA_W

ClientSampleId :

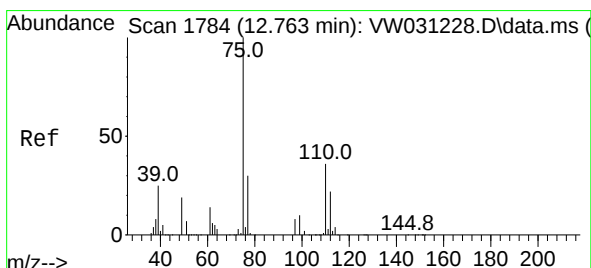
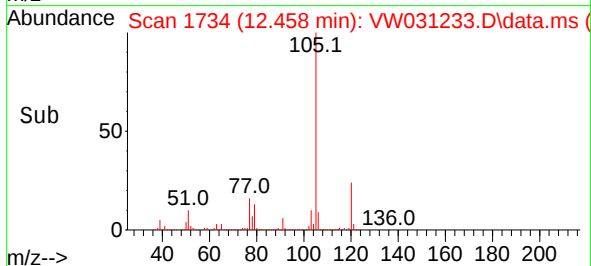
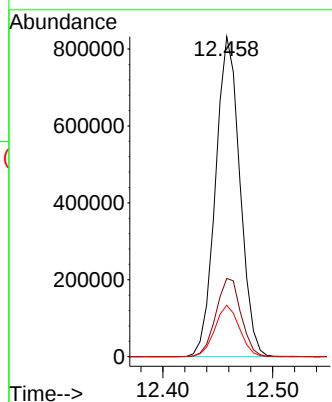
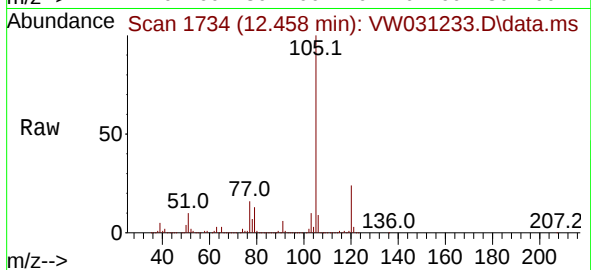
Tgt Ion:105 Resp: 1284792

Ion Ratio Lower Upper

105 100

120 25.2 20.6 31.0

77 16.1 12.8 19.2



#61

1,2,3-Trichloropropane

Concen: 24.965 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VW031233.D

Acq: 13 Dec 2024 12:24

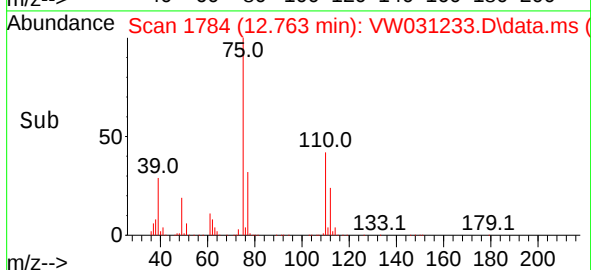
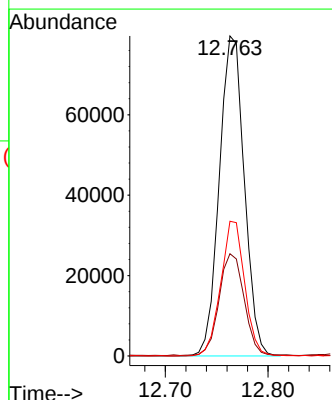
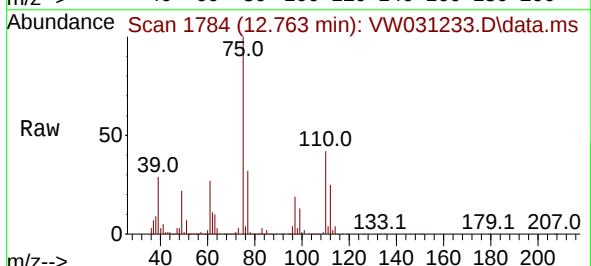
Tgt Ion: 75 Resp: 134531

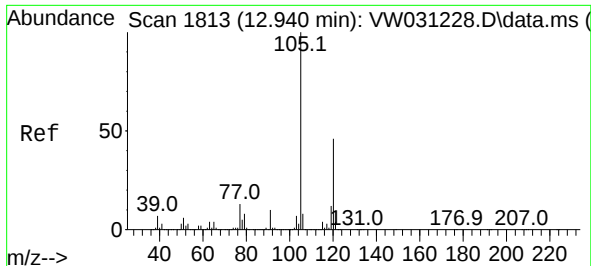
Ion Ratio Lower Upper

75 100

77 31.6 25.3 37.9

110 40.4 31.2 46.8





#62

1,3,5-Trimethylbenzene

Concen: 24.412 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW031233.D

Acq: 13 Dec 2024 12:24

Instrument :

MSVOA_W

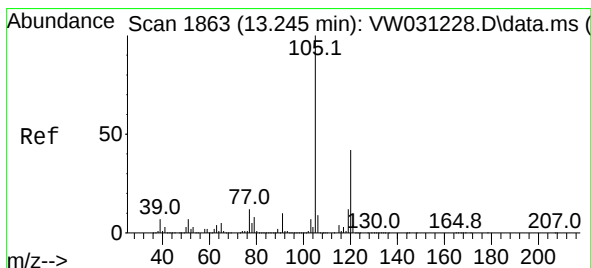
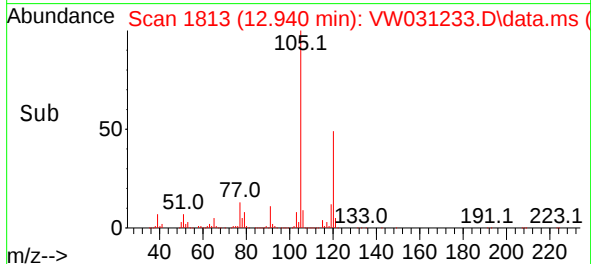
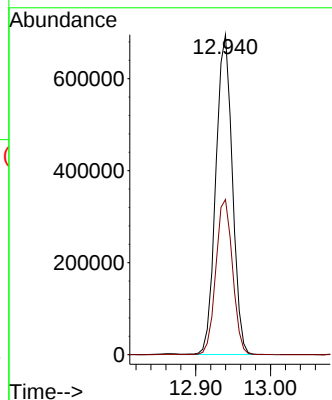
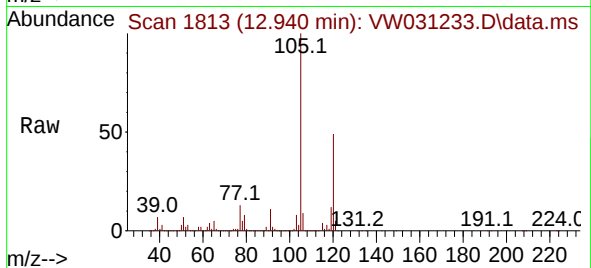
ClientSampleId :

Tgt Ion:105 Resp: 1066587

Ion Ratio Lower Upper

105 100

120 49.1 37.3 55.9



#63

1,2,4-Trimethylbenzene

Concen: 24.901 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. 0.000 min

Lab File: VW031233.D

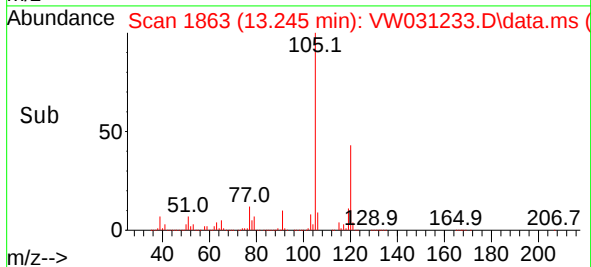
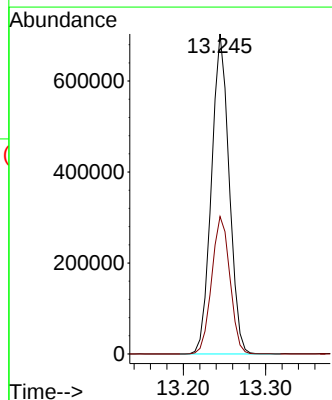
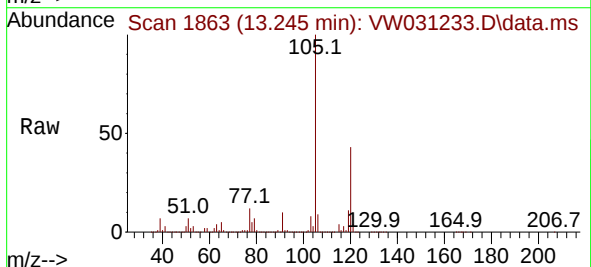
Acq: 13 Dec 2024 12:24

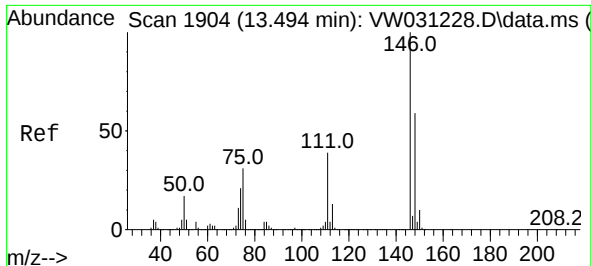
Tgt Ion:105 Resp: 1051563

Ion Ratio Lower Upper

105 100

120 44.0 35.0 52.4

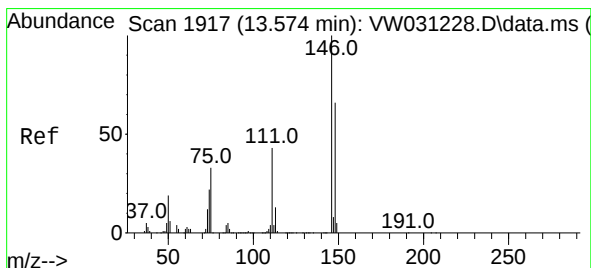
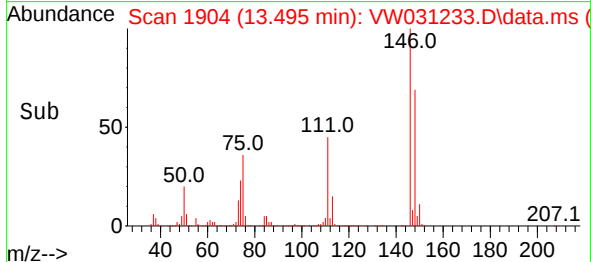
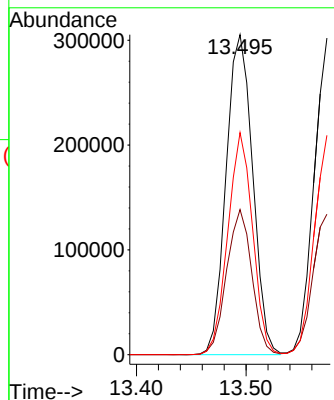
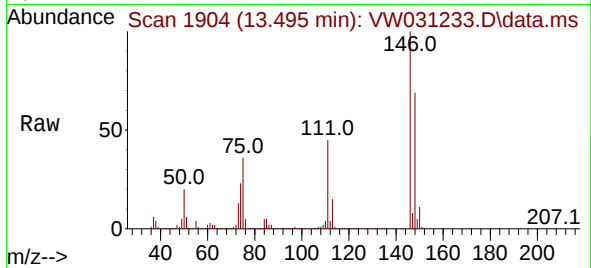




#64
1,3-Dichlorobenzene
Concen: 24.655 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031233.D
Acq: 13 Dec 2024 12:24

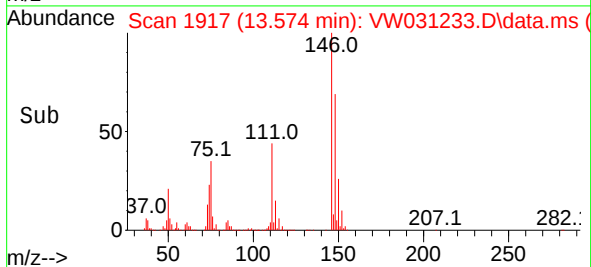
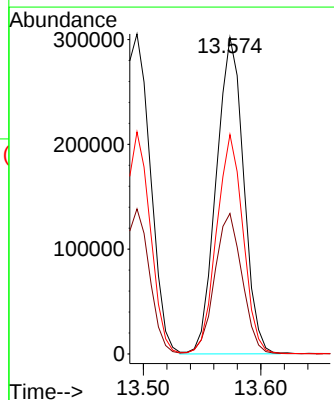
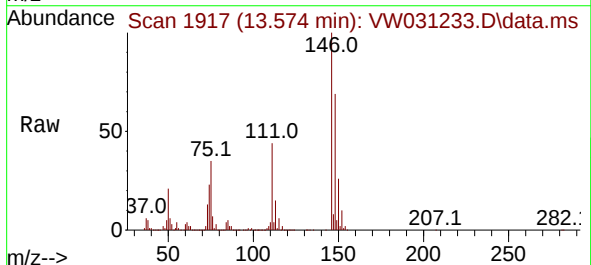
Instrument :
MSVOA_W
ClientSampleId :

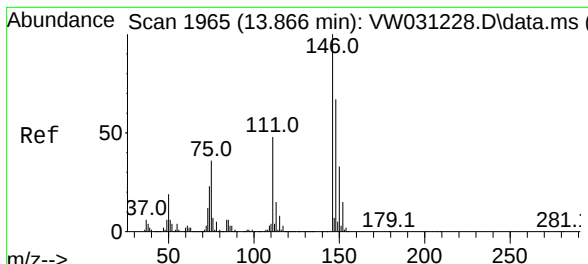
Tgt Ion:146 Resp: 514778
Ion Ratio Lower Upper
146 100
111 45.3 27.6 51.2
148 69.4 41.0 76.2



#65
1,4-Dichlorobenzene
Concen: 23.624 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW031233.D
Acq: 13 Dec 2024 12:24

Tgt Ion:146 Resp: 488722
Ion Ratio Lower Upper
146 100
111 44.4 30.7 56.9
148 69.3 46.5 86.3



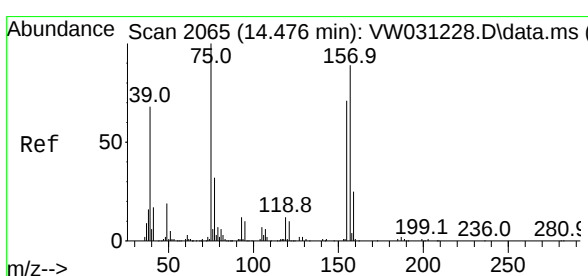
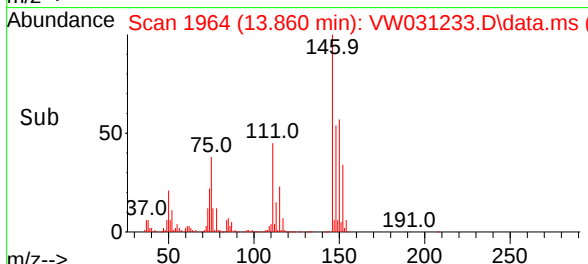
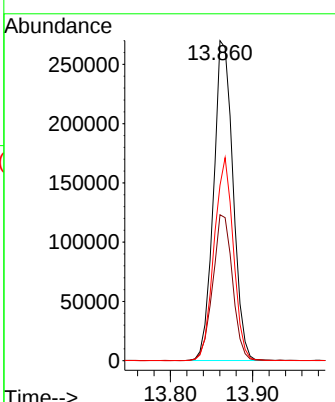
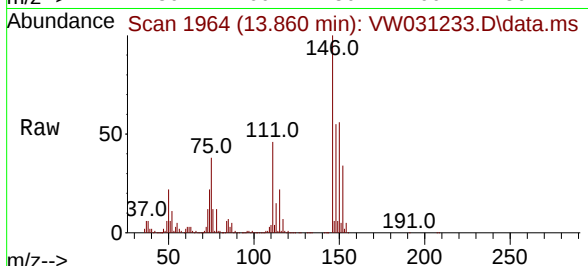


#67
 1,2-Dichlorobenzene
 Concen: 24.737 ug/L
 RT: 13.860 min Scan# 1964
 Delta R.T. -0.006 min
 Lab File: VW031233.D
 Acq: 13 Dec 2024 12:24

Instrument :
 MSVOA_W
 ClientSampleId :

Tgt Ion:146 Resp: 445022

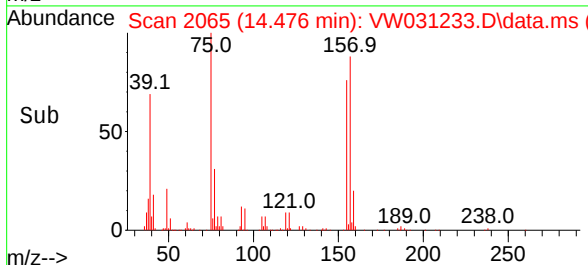
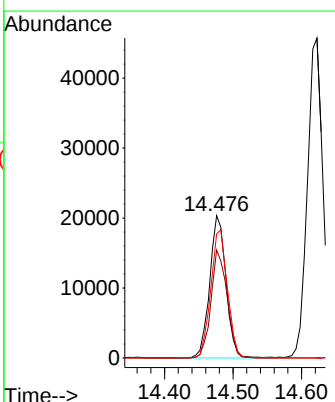
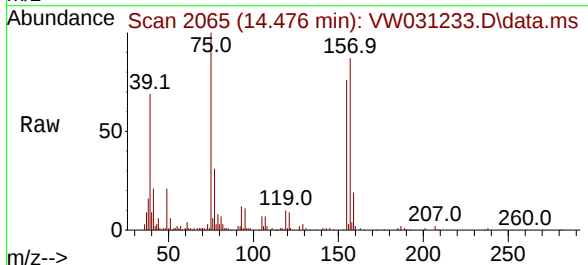
Ion	Ratio	Lower	Upper
146	100		
111	45.6	38.6	58.0
148	54.8	53.6	80.4

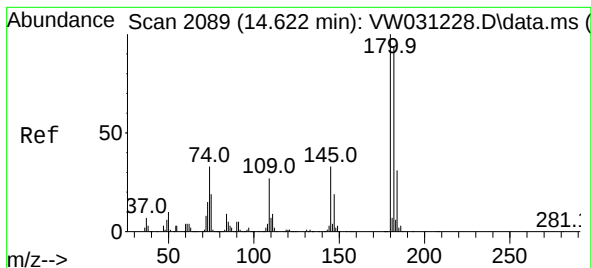


#68
 1,2-Dibromo-3-chloropropane
 Concen: 24.601 ug/L
 RT: 14.476 min Scan# 2065
 Delta R.T. 0.000 min
 Lab File: VW031233.D
 Acq: 13 Dec 2024 12:24

Tgt Ion: 75 Resp: 33642

Ion	Ratio	Lower	Upper
75	100		
155	75.8	56.6	85.0
157	87.1	71.2	106.8





#69

1,3,5-Trichlorobenzene

Concen: 24.703 ug/L

RT: 14.616 min Scan# 2088

Delta R.T. -0.006 min

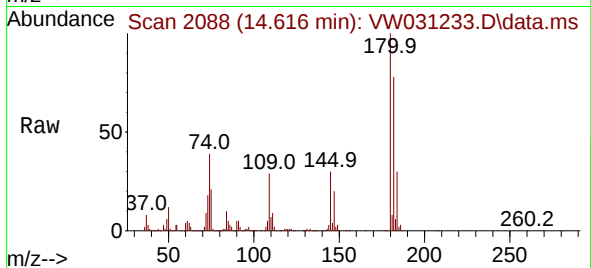
Lab File: VW031233.D

Acq: 13 Dec 2024 12:24

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:180 Resp: 361240

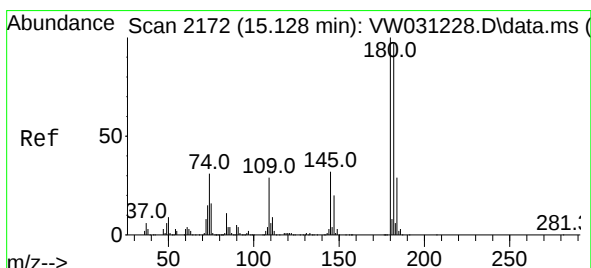
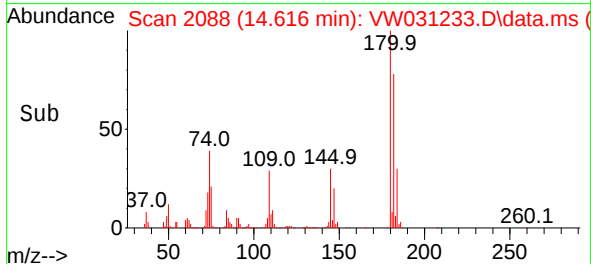
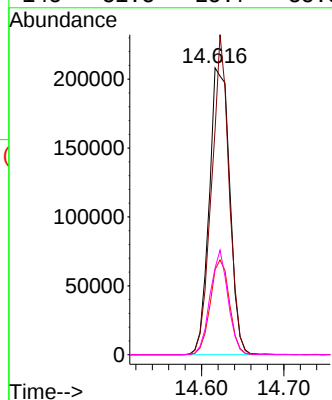
Ion Ratio Lower Upper

180 100

182 94.5 75.0 112.4

184 30.8 24.6 36.8

145 31.8 25.7 38.5



#70

1,2,4-trichlorobenzene

Concen: 24.202 ug/L

RT: 15.122 min Scan# 2171

Delta R.T. -0.006 min

Lab File: VW031233.D

Acq: 13 Dec 2024 12:24

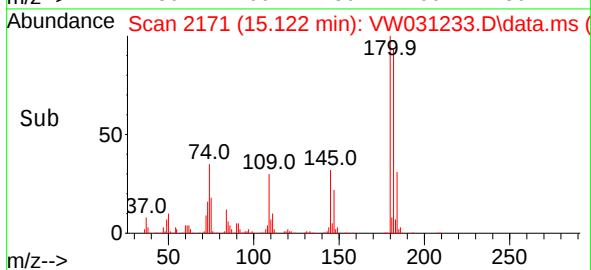
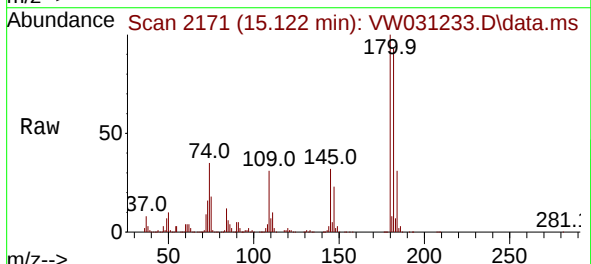
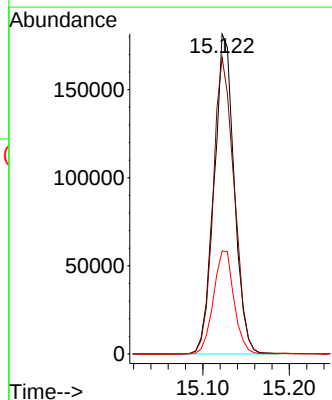
Tgt Ion:180 Resp: 294399

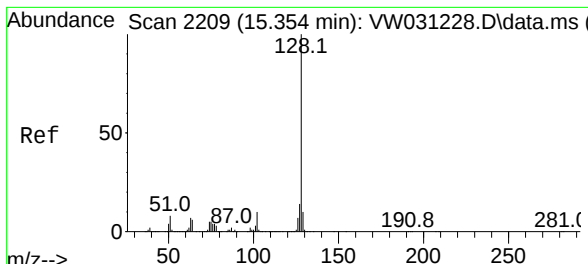
Ion Ratio Lower Upper

180 100

182 95.7 78.2 117.2

145 32.8 26.7 40.1



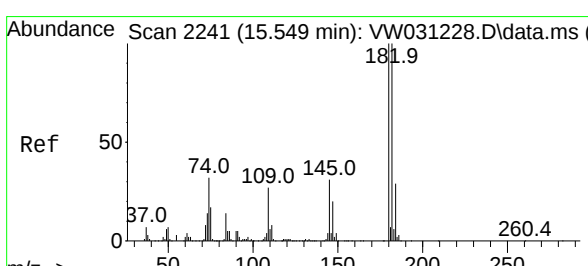
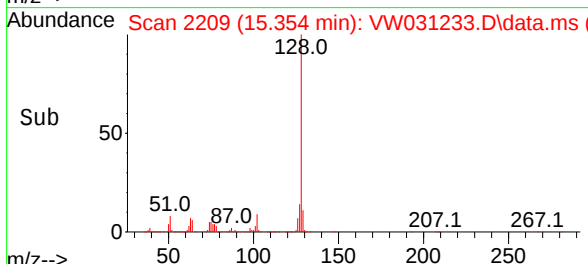
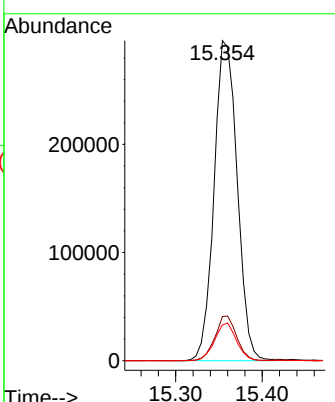
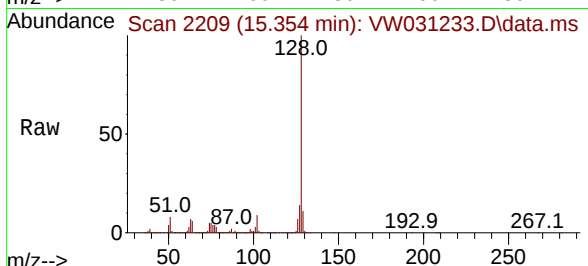


#71
Naphthalene
Concen: 25.780 ug/L
RT: 15.354 min Scan# 2209
Delta R.T. 0.000 min
Lab File: VW031233.D
Acq: 13 Dec 2024 12:24

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:128 Resp: 549806

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.7	16.1
129	11.1	8.6	13.0



#72
1,2,3-Trichlorobenzene
Concen: 25.623 ug/L
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW031233.D
Acq: 13 Dec 2024 12:24

Tgt Ion:180 Resp: 251125

Ion	Ratio	Lower	Upper
180	100		
182	89.7	75.0	112.4
145	35.0	27.8	41.6

