

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062124\
 Data File : VW029314.D
 Acq On : 21 Jun 2024 19:59
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 21 22:59:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM061824SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Jun 21 22:53:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.837	114	270551	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	252894	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	124695	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	68602	18.320	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.280%
7) Chloroethane-d5	2.893	69	58370	18.458	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.840%
11) 1,1-Dichloroethene-d2	4.021	65	33396	18.471	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	73.880%
21) 2-Butanone-d5	7.075	46	60829	54.294	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.580%
24) Chloroform-d	7.648	84	171079	21.198	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.800%
26) 1,2-Dichloroethane-d4	8.307	65	103072	22.244	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.960%
32) Benzene-d6	8.270	84	331172	21.560	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.240%
36) 1,2-Dichloropropane-d6	9.276	67	108541	22.229	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.920%
41) Toluene-d8	10.319	98	298996	22.001	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.000%
43) trans-1,3-Dichloroprop...	10.575	79	42885	21.795	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.160%
47) 2-Hexanone-d5	10.922	63	41905	54.746	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.500%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	96745	24.894	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.560%
66) 1,2-Dichlorobenzene-d4	13.848	152	101116	23.362	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.440%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	45175	17.115	ug/L	92
3) Chloromethane	2.222	50	72318	19.215	ug/L	99
5) Vinyl chloride	2.375	62	82336	19.050	ug/L	99
6) Bromomethane	2.789	94	49732	19.144	ug/L	90
8) Chloroethane	2.936	64	52670	19.923	ug/L	96
9) Trichlorofluoromethane	3.265	101	66765	19.925	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	71662	19.397	ug/L #	82
12) 1,1-Dichloroethene	4.045	96	68330	21.797	ug/L	97
13) Acetone	4.125	43	41019	43.082	ug/L	96
14) Carbon disulfide	4.393	76	201130	19.654	ug/L	98
15) Methyl Acetate	4.673	43	51563	27.280	ug/L	99
16) Methylene chloride	4.923	84	95646	20.105	ug/L	92
17) trans-1,2-Dichloroethene	5.429	96	76256	21.904	ug/L	95
18) Methyl tert-butyl Ether	5.429	73	141878	25.472	ug/L	98
19) 1,1-Dichloroethane	6.216	63	169875	22.592	ug/L	97
20) cis-1,2-Dichloroethene	7.167	96	91556	23.848	ug/L	97
22) 2-Butanone	7.173	43	68675	52.618	ug/L	99
23) Bromochloromethane	7.514	128	39930	23.364	ug/L	93
25) Chloroform	7.679	83	167881	22.865	ug/L	99

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 Response via : Initial Calibration

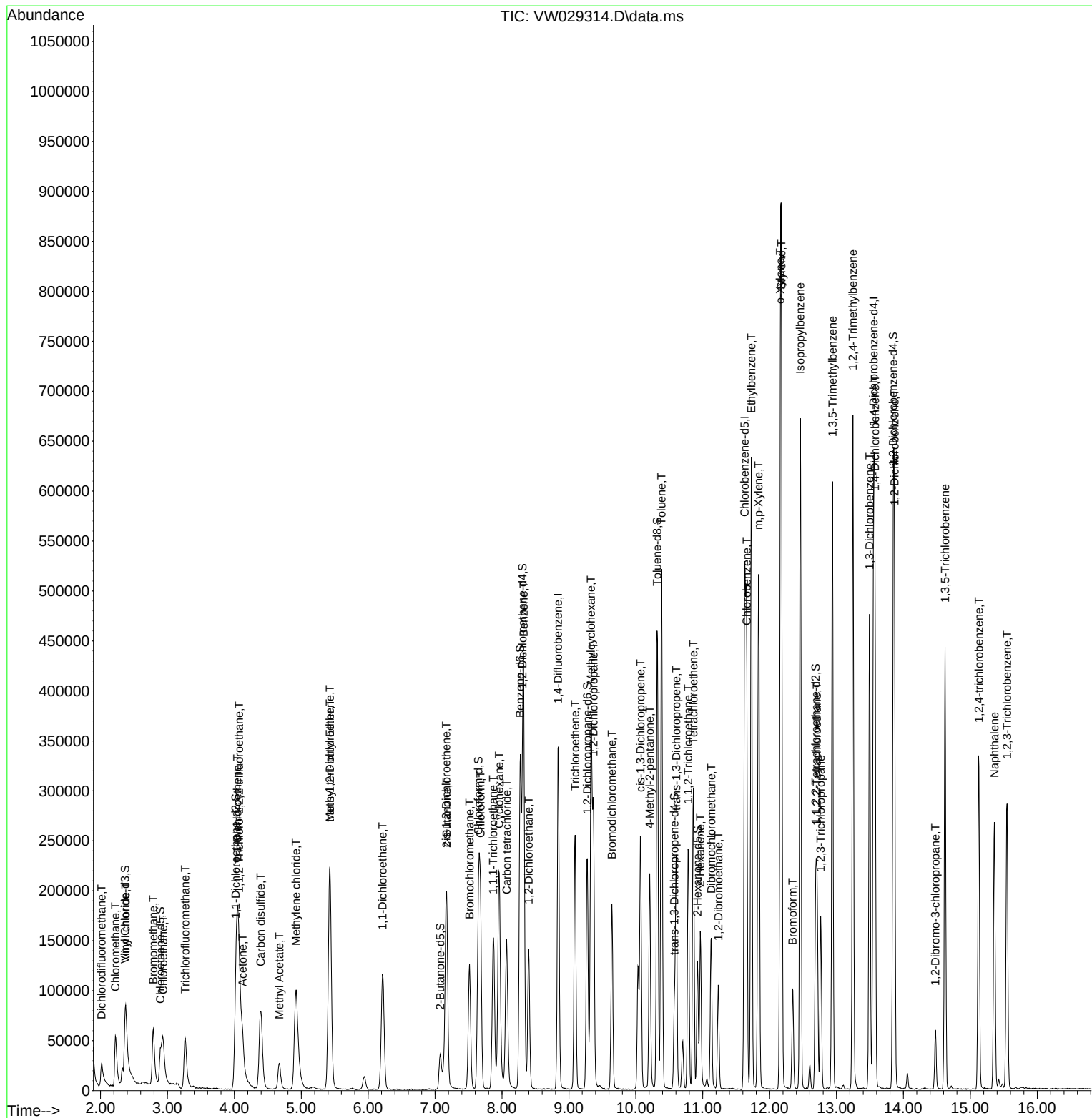
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	124168	22.930	ug/L	98
29) Cyclohexane	7.959	56	125391	21.689	ug/L	100
30) 1,1,1-Trichloroethane	7.868	97	124332	22.109	ug/L	97
31) Carbon tetrachloride	8.069	117	109659	21.346	ug/L	99
33) Benzene	8.325	78	352331	23.187	ug/L	100
34) Trichloroethene	9.093	95	89307	22.030	ug/L	95
35) Methylcyclohexane	9.331	83	138627	21.743	ug/L	99
37) 1,2-Dichloropropane	9.367	63	100446	23.525	ug/L	99
38) Bromodichloromethane	9.642	83	123444	23.646	ug/L	96
39) cis-1,3-Dichloropropene	10.069	75	145809	24.158	ug/L	100
40) 4-Methyl-2-pentanone	10.209	43	148513	56.118	ug/L	99
42) Toluene	10.386	91	370686	23.730	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	122783	24.092	ug/L	99
45) 1,1,2-Trichloroethane	10.782	97	73659	24.770	ug/L	96
46) Tetrachloroethene	10.861	164	63440	22.386	ug/L	96
48) 2-Hexanone	10.965	43	103225	54.970	ug/L	98
49) Dibromochloromethane	11.129	129	76609	24.645	ug/L	100
50) 1,2-Dibromoethane	11.233	107	66074	24.752	ug/L #	93
51) Chlorobenzene	11.660	112	232048	22.875	ug/L	95
52) Ethylbenzene	11.727	91	418536	23.603	ug/L	99
53) m,p-Xylene	11.837	106	155512	24.010	ug/L	96
54) o-Xylene	12.160	106	149833	24.752	ug/L	99
55) Styrene	12.178	104	268738	25.463	ug/L	93
57) 1,1,2,2-Tetrachloroethane	12.708	83	92588	25.171	ug/L	99
59) Bromoform	12.343	173	45456	26.598	ug/L	99
60) Isopropylbenzene	12.458	105	412863	24.849	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	70883	26.062	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	305198	25.363	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	333798	25.782	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	171239	23.815	ug/L	98
65) 1,4-Dichlorobenzene	13.574	146	179204	23.425	ug/L	97
67) 1,2-Dichlorobenzene	13.867	146	162279	24.413	ug/L	92
68) 1,2-Dibromo-3-chloropr...	14.476	75	15669	24.687	ug/L	92
69) 1,3,5-Trichlorobenzene	14.623	180	122793	25.304	ug/L	98
70) 1,2,4-trichlorobenzene	15.129	180	97831	24.870	ug/L	95
71) Naphthalene	15.360	128	210323	27.090	ug/L	98
72) 1,2,3-Trichlorobenzene	15.549	180	89316	24.919	ug/L	94

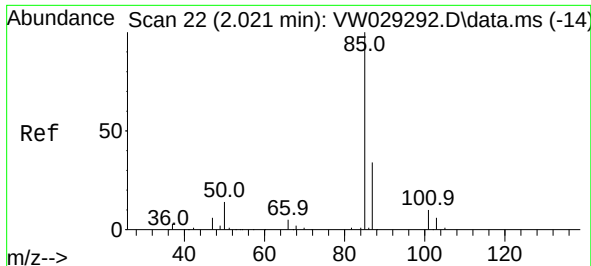
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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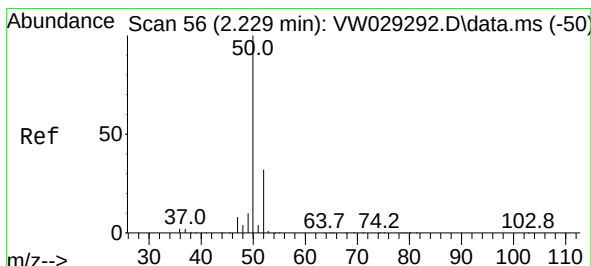
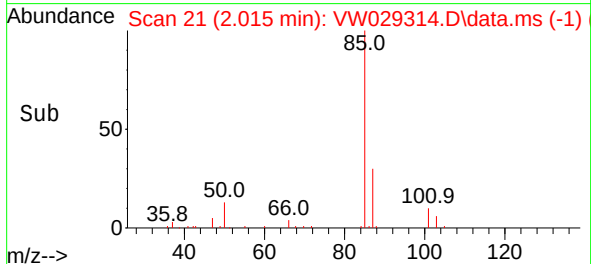
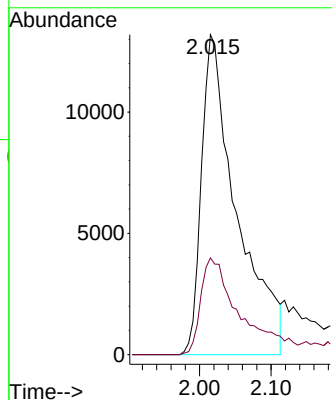
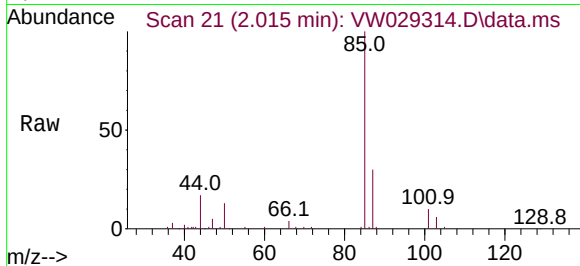




#2
 Dichlorodifluoromethane
 Concen: 17.115 ug/L
 RT: 2.015 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VW029314.D
 Acq: 21 Jun 2024 19:59

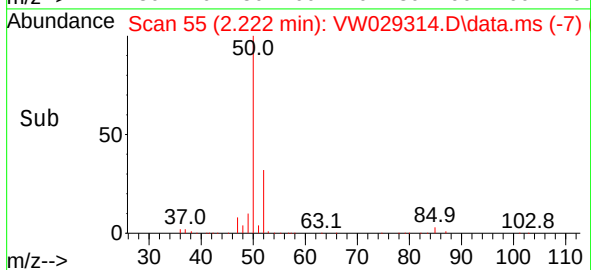
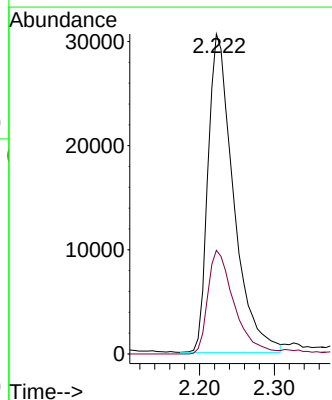
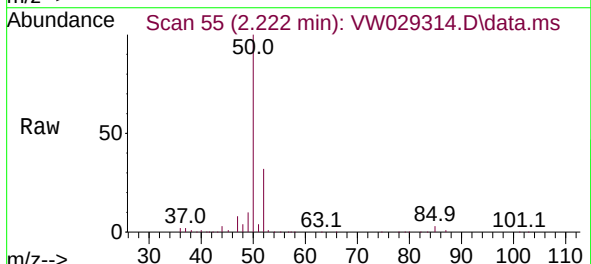
Instrument :
 MSVOA_W
 ClientSampleId :

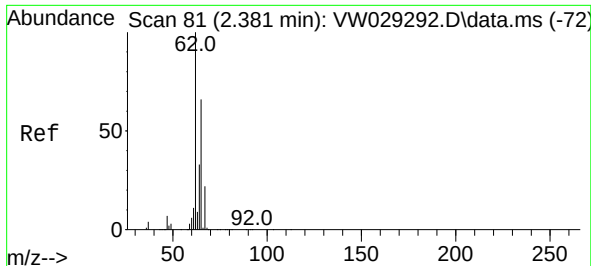
Tgt Ion: 85 Resp: 45175
 Ion Ratio Lower Upper
 85 100
 87 33.8 23.8 35.6



#3
 Chloromethane
 Concen: 19.215 ug/L
 RT: 2.222 min Scan# 55
 Delta R.T. -0.006 min
 Lab File: VW029314.D
 Acq: 21 Jun 2024 19:59

Tgt Ion: 50 Resp: 72318
 Ion Ratio Lower Upper
 50 100
 52 32.4 22.3 41.5

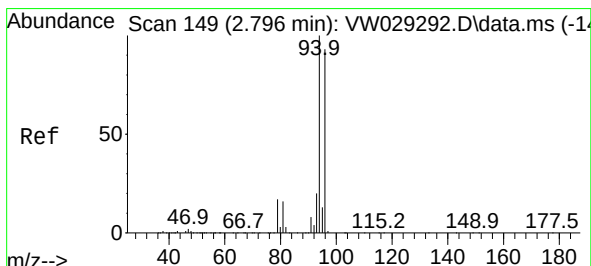
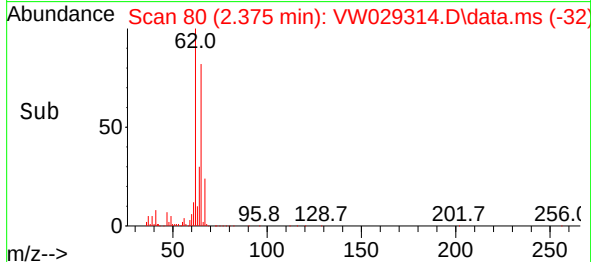
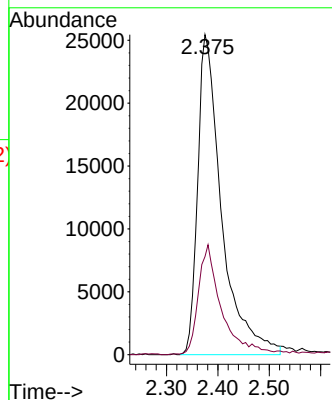
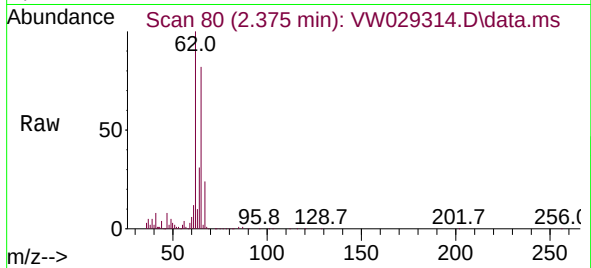




#5
 Vinyl chloride
 Concen: 19.050 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: VW029314.D
 Acq: 21 Jun 2024 19:59

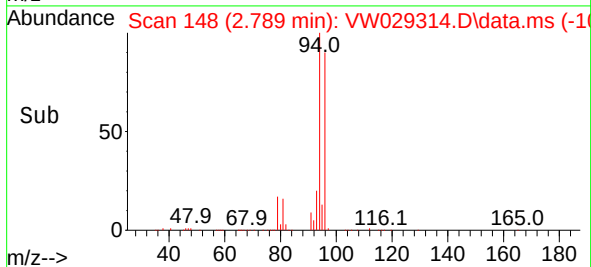
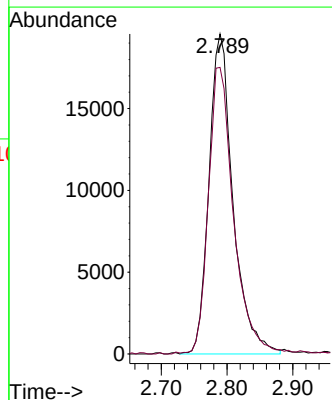
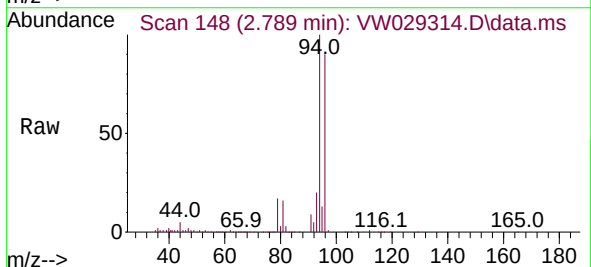
Instrument :
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 ClientSampleId :

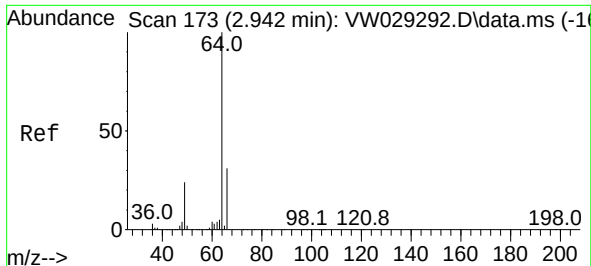
Tgt Ion: 62 Resp: 82336
 Ion Ratio Lower Upper
 62 100
 64 30.6 22.0 40.8



#6
 Bromomethane
 Concen: 19.144 ug/L
 RT: 2.789 min Scan# 148
 Delta R.T. -0.006 min
 Lab File: VW029314.D
 Acq: 21 Jun 2024 19:59

Tgt Ion: 94 Resp: 49732
 Ion Ratio Lower Upper
 94 100
 96 89.5 69.5 129.1

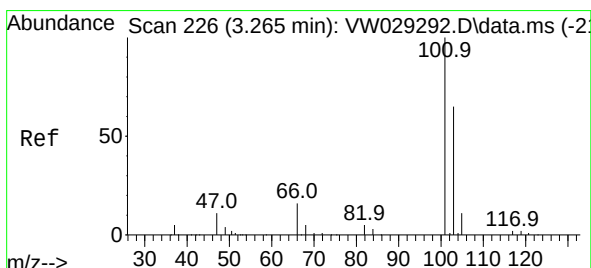
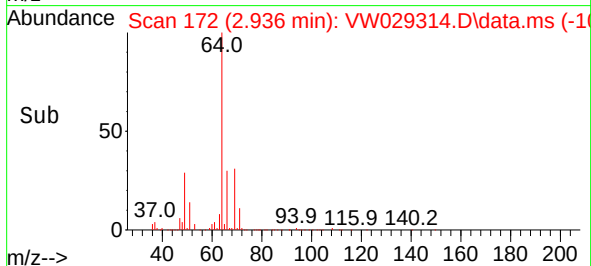
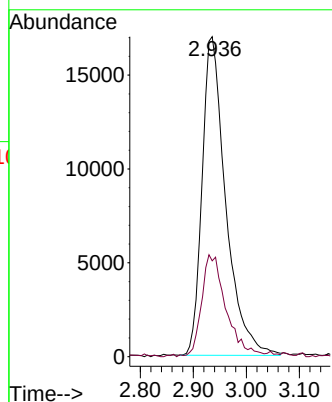
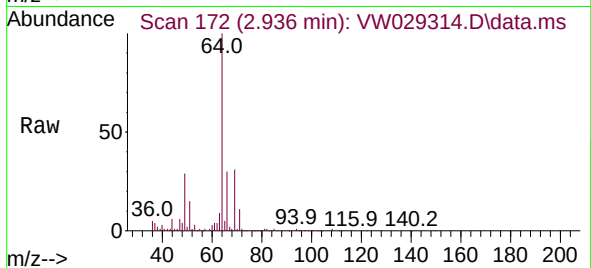




#8
Chloroethane
Concen: 19.923 ug/L
RT: 2.936 min Scan# 172
Delta R.T. -0.006 min
Lab File: VW029314.D
Acq: 21 Jun 2024 19:59

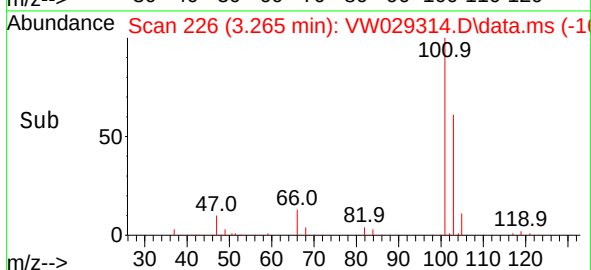
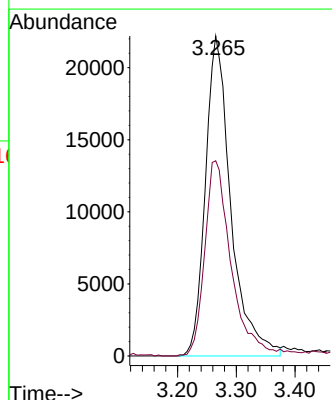
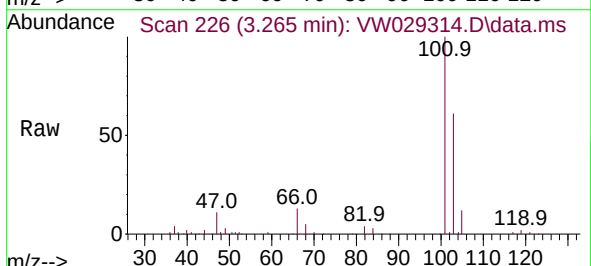
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MSVOA_W
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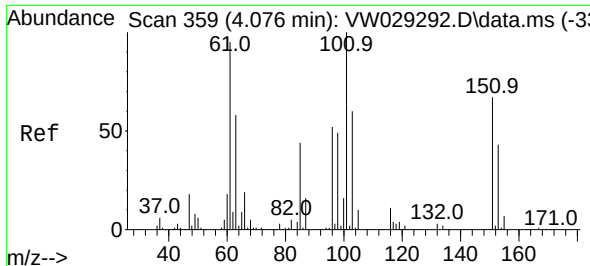
Tgt Ion: 64 Resp: 52670
Ion Ratio Lower Upper
64 100
66 30.0 22.5 41.9



#9
Trichlorofluoromethane
Concen: 19.925 ug/L
RT: 3.265 min Scan# 226
Delta R.T. -0.000 min
Lab File: VW029314.D
Acq: 21 Jun 2024 19:59

Tgt Ion:101 Resp: 66765
Ion Ratio Lower Upper
101 100
103 61.8 50.8 76.2





#10

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

Concen: 19.397 ug/L

RT: 4.070 min Scan# 359

Delta R.T. -0.006 min

Lab File: VW029314.D

Acq: 21 Jun 2024 19:59

Instrument :

MSVOA_W

ClientSampleId :

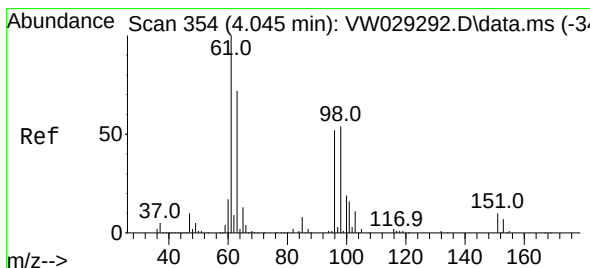
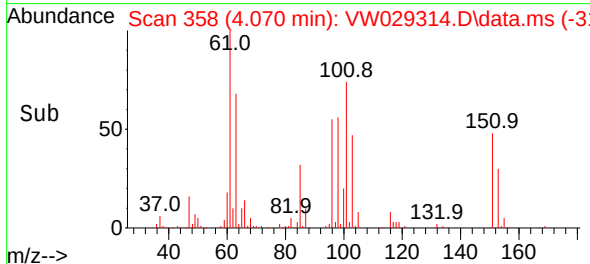
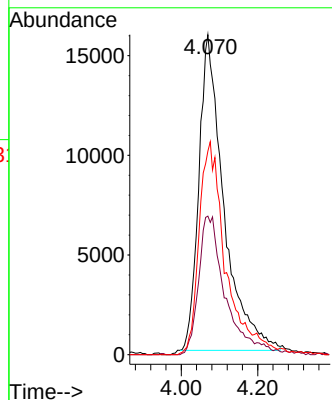
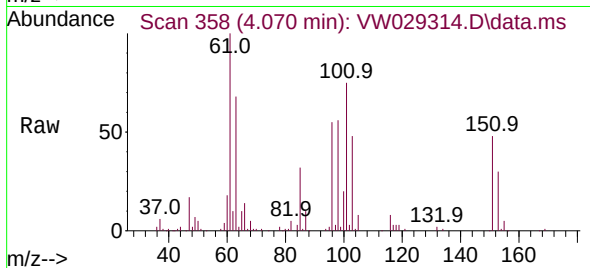
Tgt Ion:101 Resp: 71662

Ion Ratio Lower Upper

101 100

85 21.4 30.2 45.2#

151 54.9 52.2 78.4



#12

1,1-Dichloroethene

Concen: 21.797 ug/L

RT: 4.045 min Scan# 354

Delta R.T. -0.000 min

Lab File: VW029314.D

Acq: 21 Jun 2024 19:59

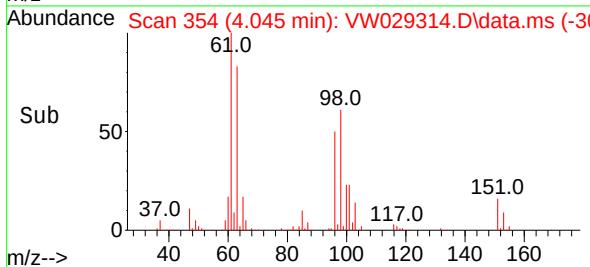
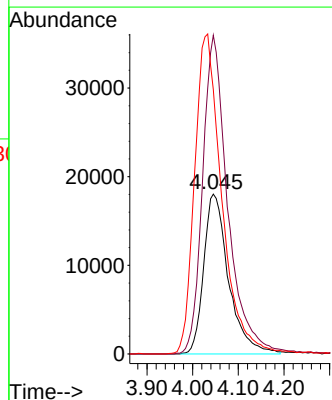
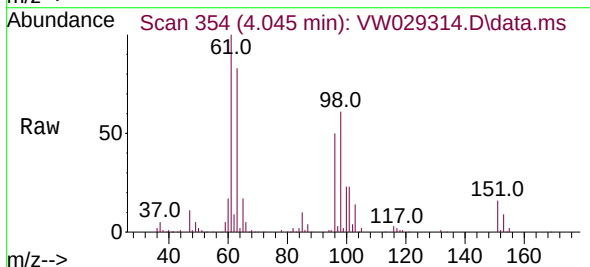
Tgt Ion: 96 Resp: 68330

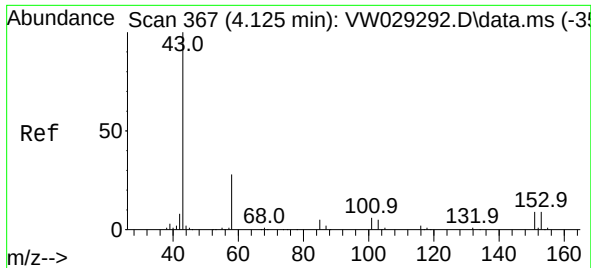
Ion Ratio Lower Upper

96 100

61 199.3 140.1 260.3

63 165.3 122.0 226.6

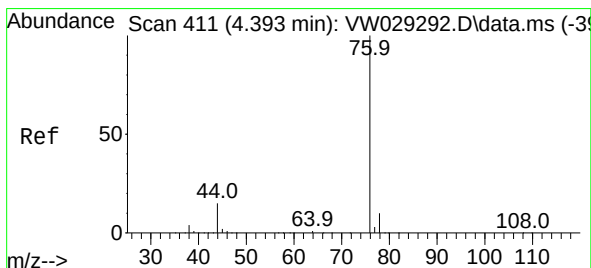
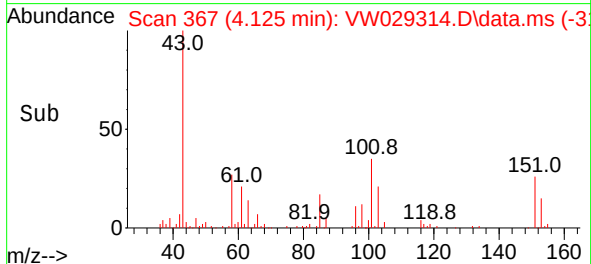
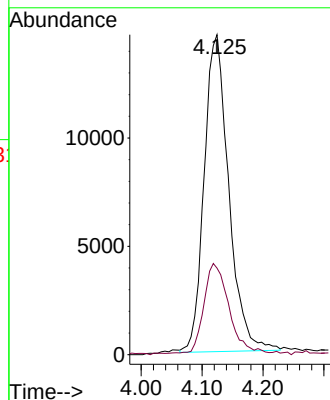
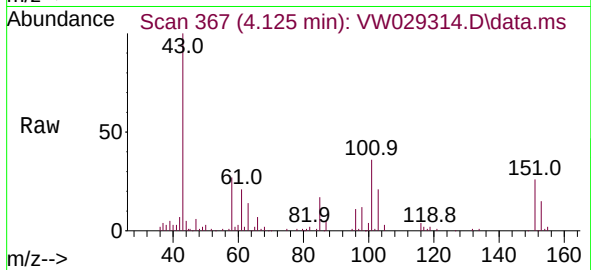




#13
Acetone
Concen: 43.082 ug/L
RT: 4.125 min Scan# 367
Delta R.T. -0.000 min
Lab File: VW029314.D
Acq: 21 Jun 2024 19:59

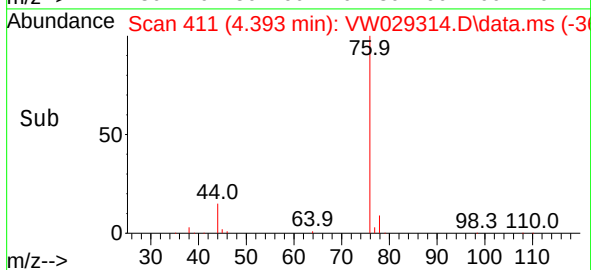
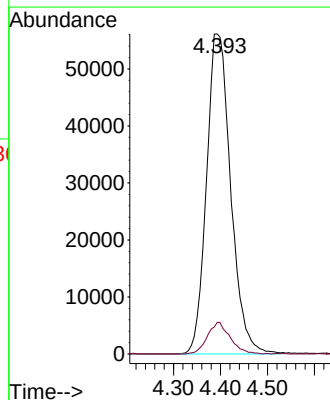
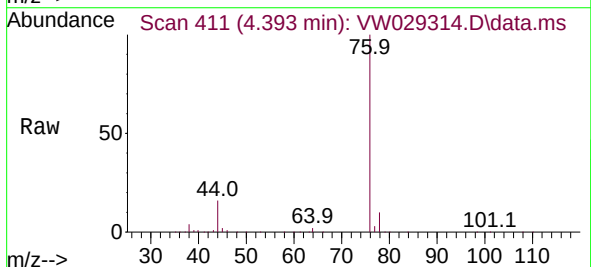
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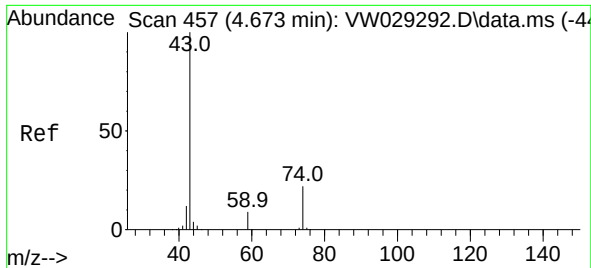
Tgt Ion: 43 Resp: 41019
Ion Ratio Lower Upper
43 100
58 28.6 0.0 61.4



#14
Carbon disulfide
Concen: 19.654 ug/L
RT: 4.393 min Scan# 411
Delta R.T. -0.000 min
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Tgt Ion: 76 Resp: 201130
Ion Ratio Lower Upper
76 100
78 9.9 7.2 10.8

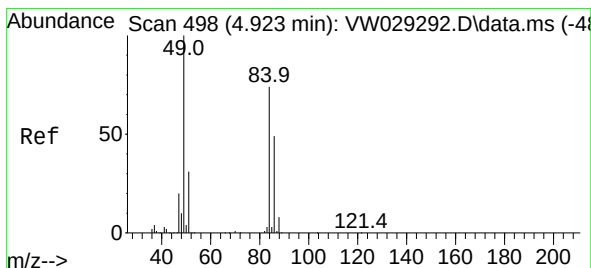
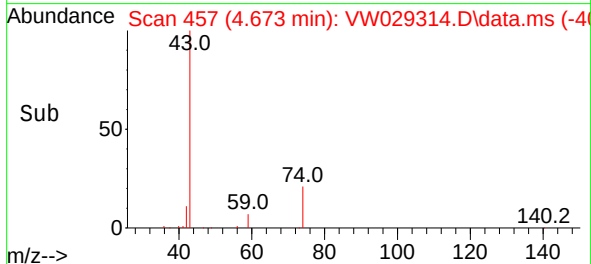
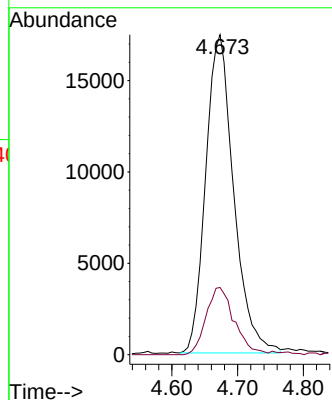
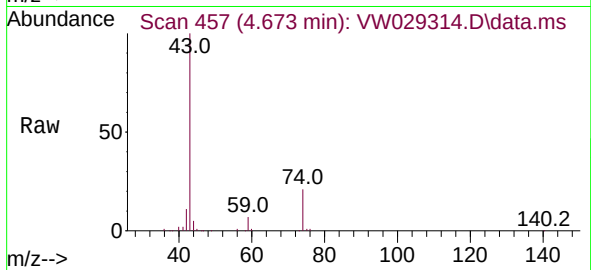




#15
Methyl Acetate
Concen: 27.280 ug/L
RT: 4.673 min Scan# 457
Delta R.T. -0.000 min
Lab File: VW029314.D
Acq: 21 Jun 2024 19:59

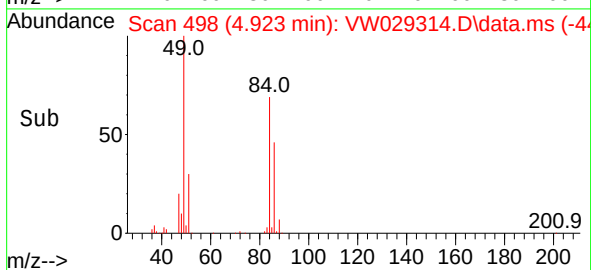
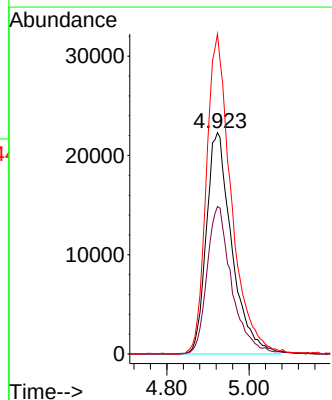
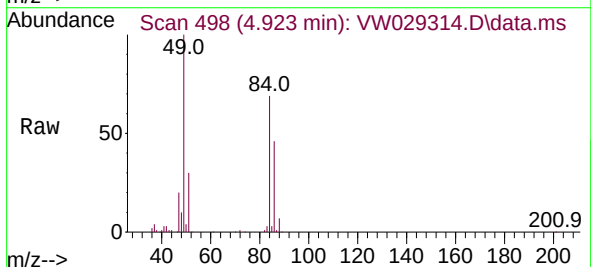
Instrument :
MSVOA_W
ClientSampleId :

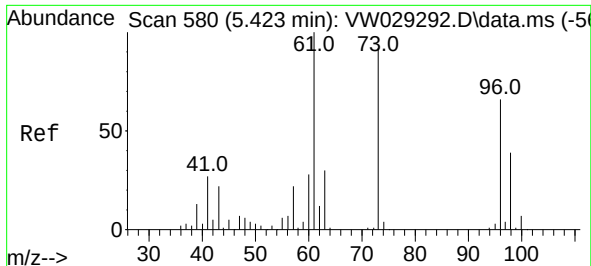
Tgt Ion: 43 Resp: 51563
Ion Ratio Lower Upper
43 100
74 21.3 16.6 25.0



#16
Methylene chloride
Concen: 20.105 ug/L
RT: 4.923 min Scan# 498
Delta R.T. -0.000 min
Lab File: VW029314.D
Acq: 21 Jun 2024 19:59

Tgt Ion: 84 Resp: 95646
Ion Ratio Lower Upper
84 100
86 66.6 41.4 77.0
49 144.7 95.7 177.7





#17

trans-1,2-Dichloroethene

Concen: 21.904 ug/L

RT: 5.429 min Scan# 580

Delta R.T. 0.006 min

Lab File: VW029314.D

Acq: 21 Jun 2024 19:59

Instrument :

MSVOA_W

ClientSampleId :

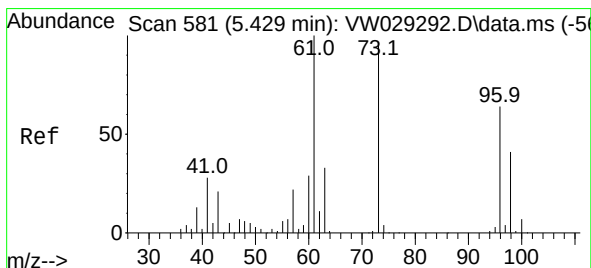
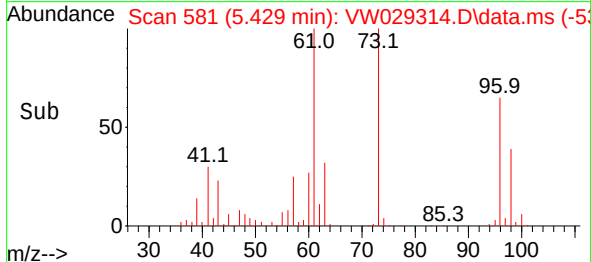
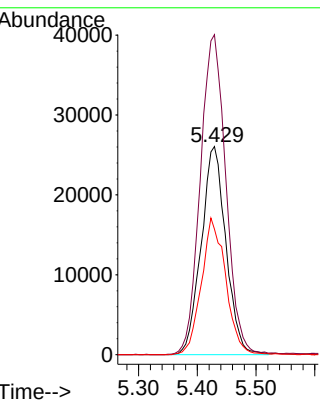
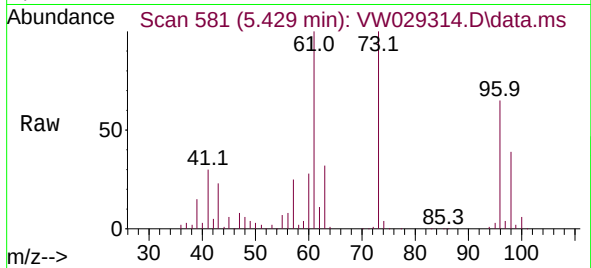
Tgt Ion: 96 Resp: 76256

Ion Ratio Lower Upper

96 100

61 153.7 101.5 188.5

98 60.3 43.3 80.3



#18

Methyl tert-butyl Ether

Concen: 25.472 ug/L

RT: 5.429 min Scan# 581

Delta R.T. -0.000 min

Lab File: VW029314.D

Acq: 21 Jun 2024 19:59

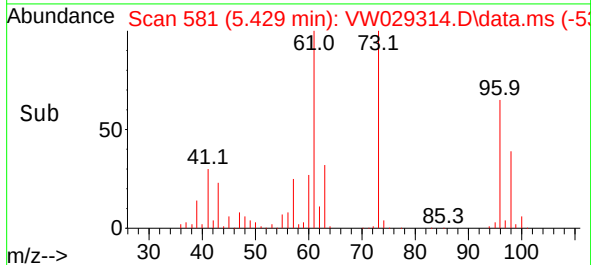
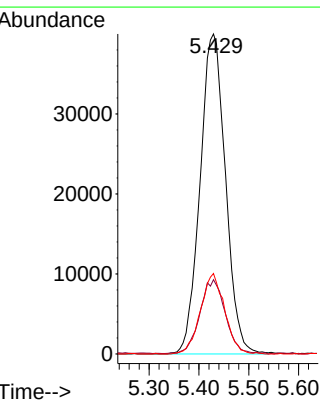
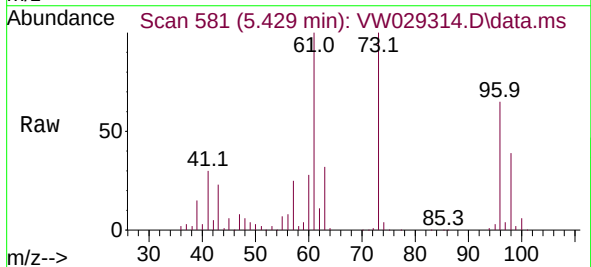
Tgt Ion: 73 Resp: 141878

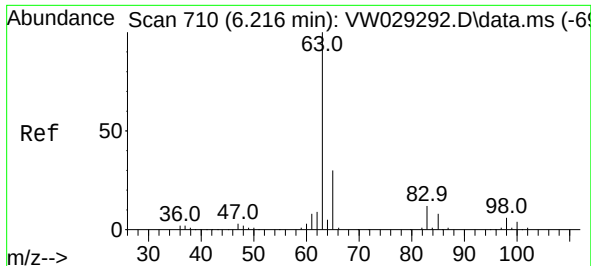
Ion Ratio Lower Upper

73 100

43 22.8 19.5 29.3

57 23.8 18.4 27.6





#19

1,1-Dichloroethane

Concen: 22.592 ug/L

RT: 6.216 min Scan# 710

Delta R.T. -0.000 min

Lab File: VW029314.D

Acq: 21 Jun 2024 19:59

Instrument :

MSVOA_W

ClientSampleId :

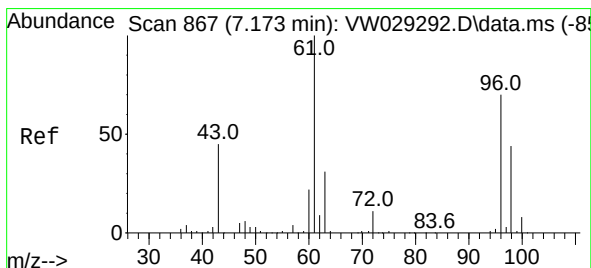
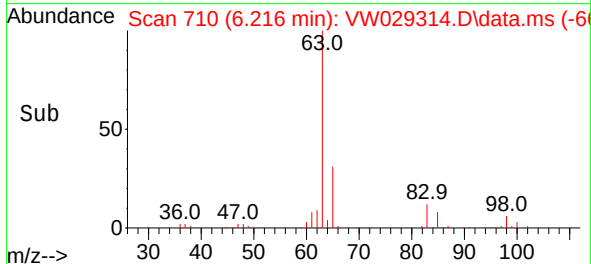
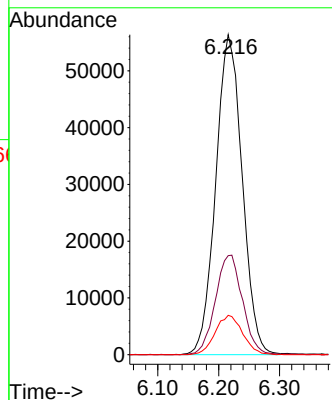
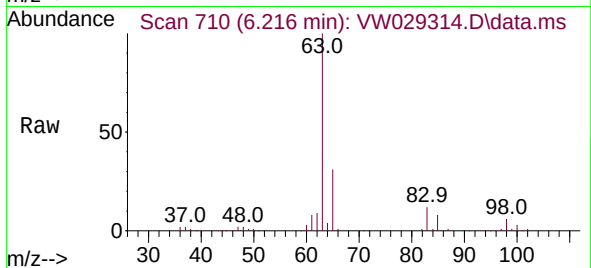
Tgt Ion: 63 Resp: 169875

Ion Ratio Lower Upper

63 100

65 30.9 23.4 43.4

83 12.3 8.9 16.5



#20

cis-1,2-Dichloroethene

Concen: 23.848 ug/L

RT: 7.167 min Scan# 866

Delta R.T. -0.006 min

Lab File: VW029314.D

Acq: 21 Jun 2024 19:59

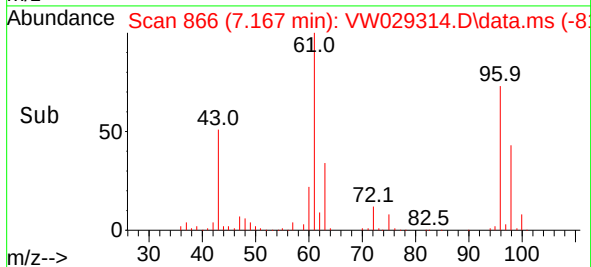
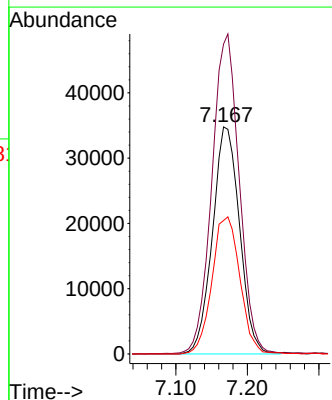
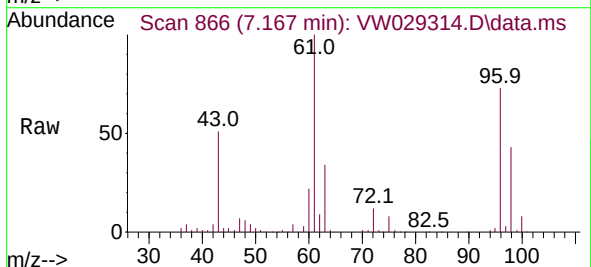
Tgt Ion: 96 Resp: 91556

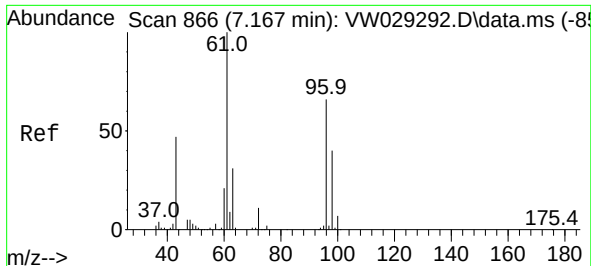
Ion Ratio Lower Upper

96 100

61 136.5 97.8 181.6

98 58.7 43.0 79.8

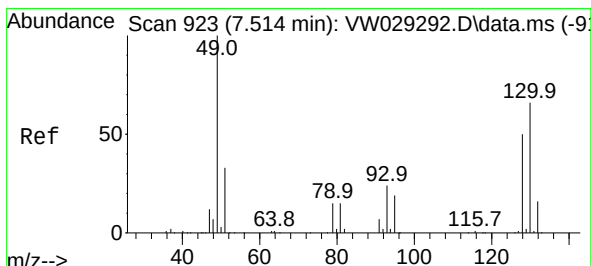
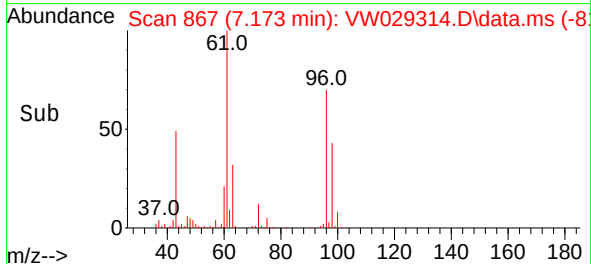
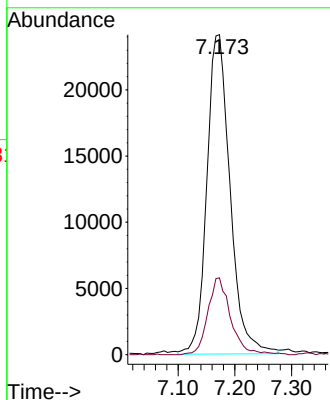
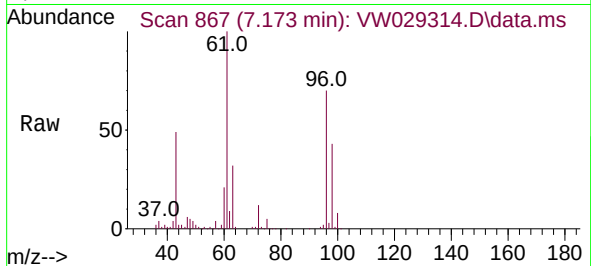




#22
2-Butanone
Concen: 52.618 ug/L
RT: 7.173 min Scan# 867
Delta R.T. 0.006 min
Lab File: VW029314.D
Acq: 21 Jun 2024 19:59

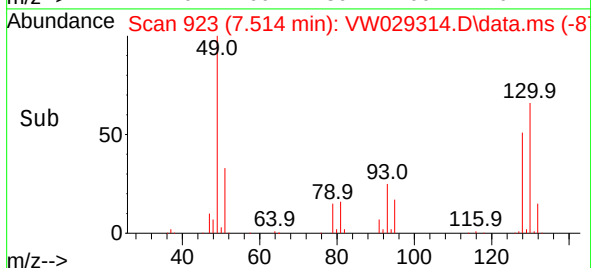
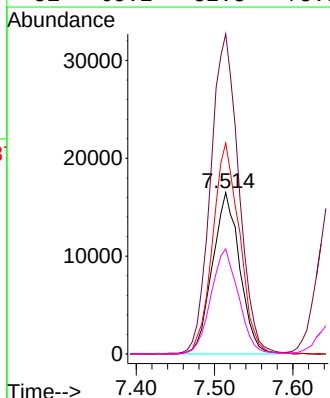
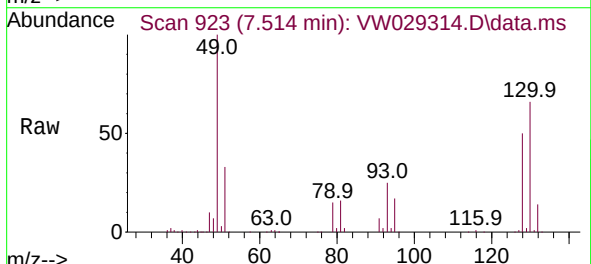
Instrument :
MSVOA_W
ClientSampleId :

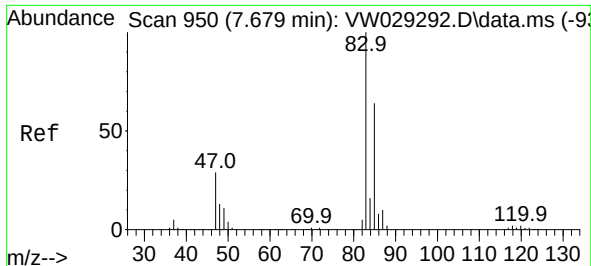
Tgt Ion: 43 Resp: 68675
Ion Ratio Lower Upper
43 100
72 23.2 11.9 35.7



#23
Bromochloromethane
Concen: 23.364 ug/L
RT: 7.514 min Scan# 923
Delta R.T. -0.000 min
Lab File: VW029314.D
Acq: 21 Jun 2024 19:59

Tgt Ion:128 Resp: 39930
Ion Ratio Lower Upper
128 100
49 198.2 142.6 264.8
130 130.6 79.7 148.1
51 65.2 52.3 78.5





#25

Chloroform

Concen: 22.865 ug/L

RT: 7.679 min Scan# 950

Delta R.T. -0.000 min

Lab File: VW029314.D

Acq: 21 Jun 2024 19:59

Instrument :

MSVOA_W

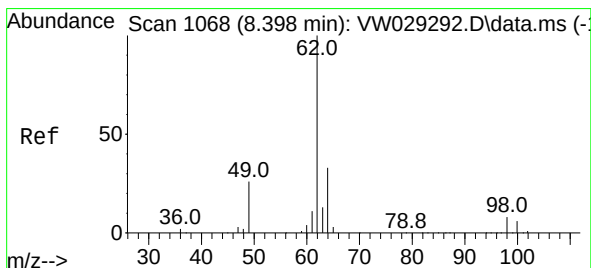
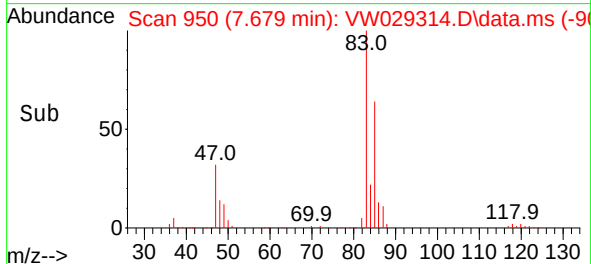
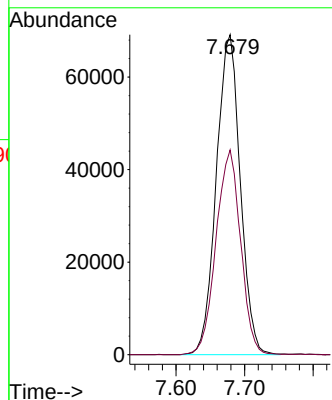
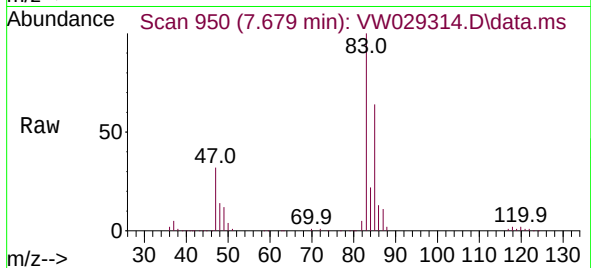
ClientSampleId :

Tgt Ion: 83 Resp: 167881

Ion Ratio Lower Upper

83 100

85 64.0 44.4 82.4



#27

1,2-Dichloroethane

Concen: 22.930 ug/L

RT: 8.398 min Scan# 1068

Delta R.T. -0.000 min

Lab File: VW029314.D

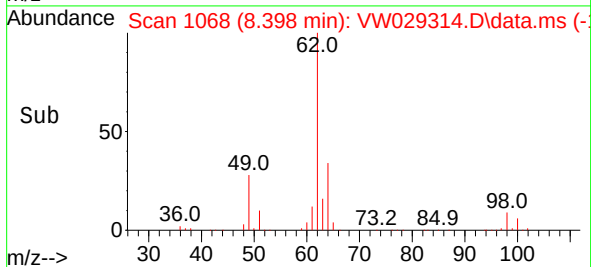
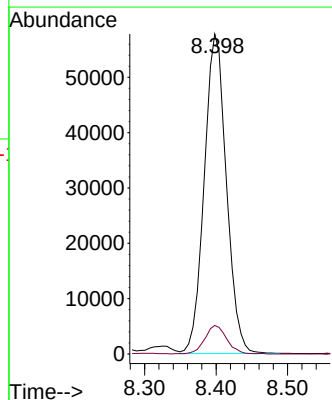
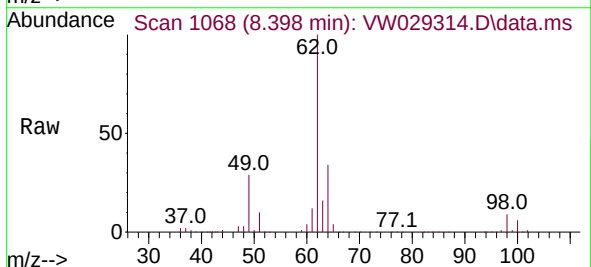
Acq: 21 Jun 2024 19:59

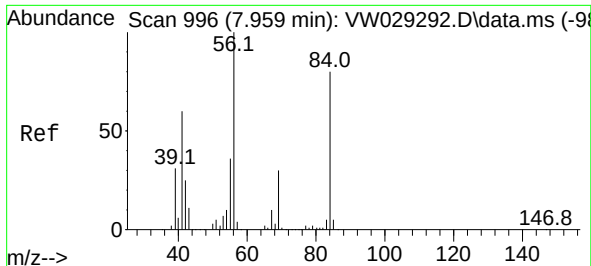
Tgt Ion: 62 Resp: 124168

Ion Ratio Lower Upper

62 100

98 8.9 6.6 10.0





#29

Cyclohexane

Concen: 21.689 ug/L

RT: 7.959 min Scan# 996

Delta R.T. -0.000 min

Lab File: VW029314.D

Acq: 21 Jun 2024 19:59

Instrument :

MSVOA_W

ClientSampleId :

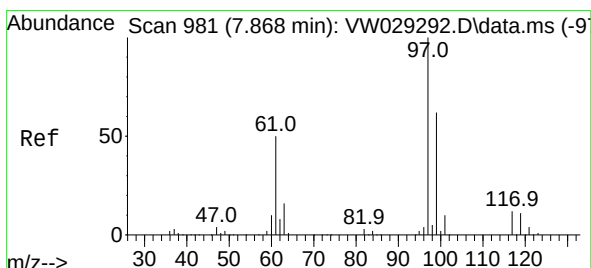
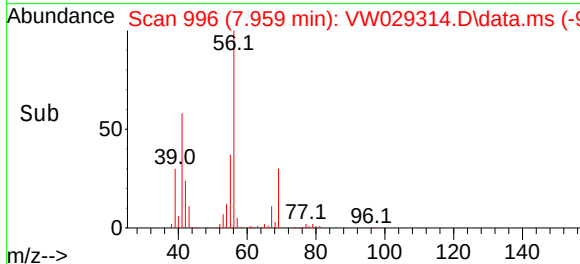
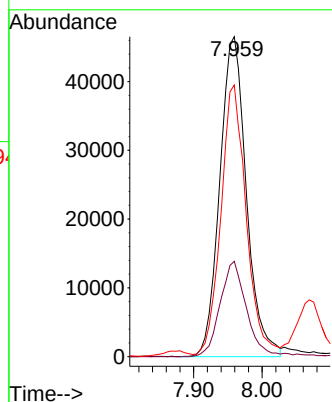
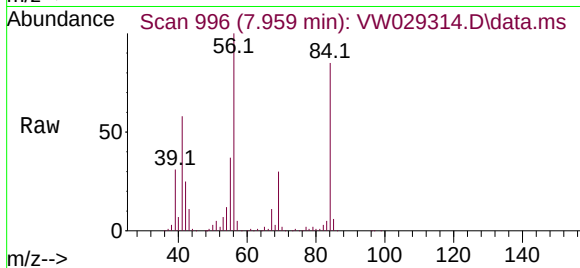
Tgt Ion: 56 Resp: 125391

Ion Ratio Lower Upper

56 100

69 29.2 23.4 35.0

84 80.4 64.5 96.7



#30

1,1,1-Trichloroethane

Concen: 22.109 ug/L

RT: 7.868 min Scan# 981

Delta R.T. -0.000 min

Lab File: VW029314.D

Acq: 21 Jun 2024 19:59

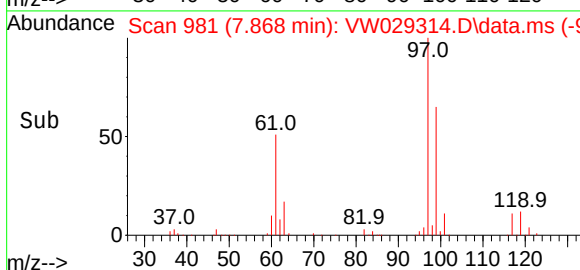
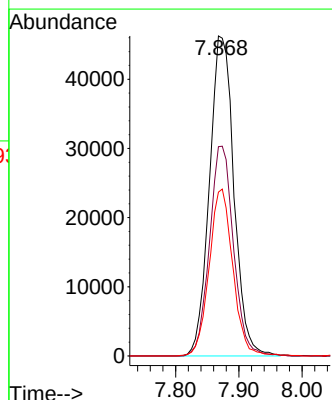
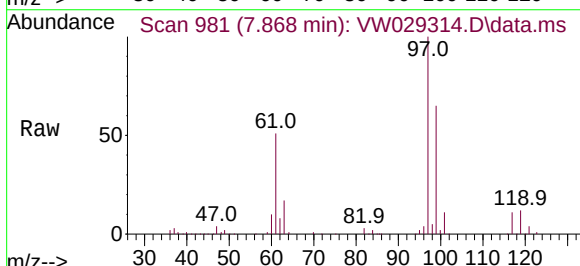
Tgt Ion: 97 Resp: 124332

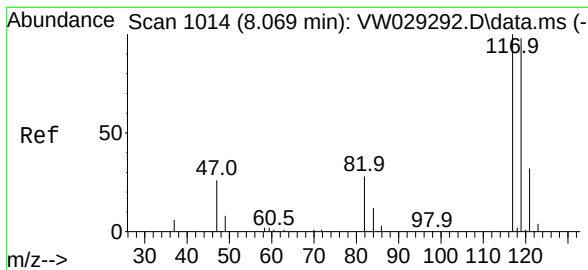
Ion Ratio Lower Upper

97 100

99 64.2 53.0 79.4

61 50.3 43.0 64.4

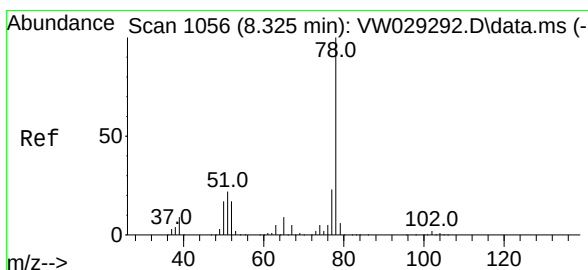
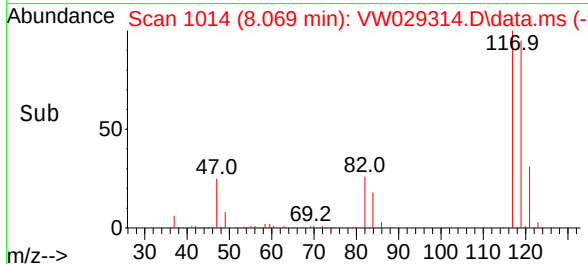
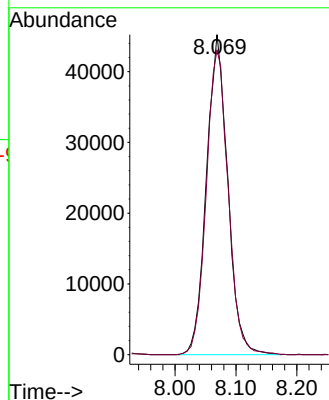
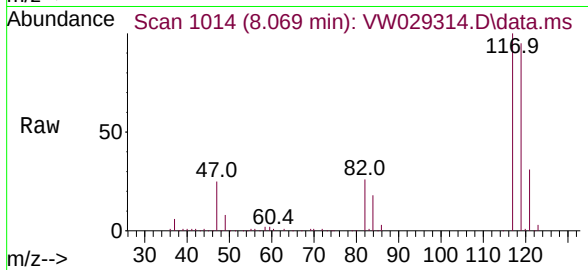




#31
Carbon tetrachloride
Concen: 21.346 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. -0.000 min
Lab File: VW029314.D
Acq: 21 Jun 2024 19:59

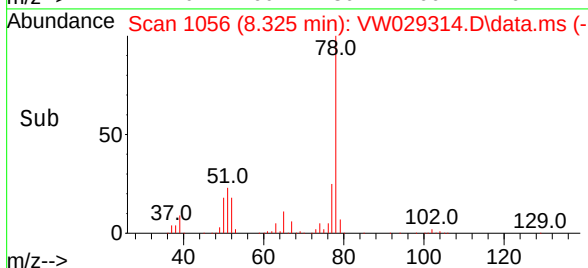
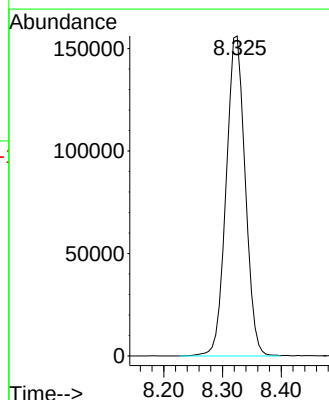
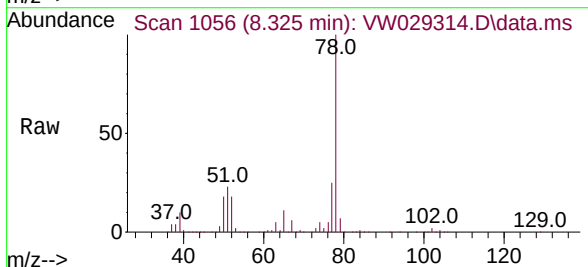
Instrument :
MSVOA_W
ClientSampleId :

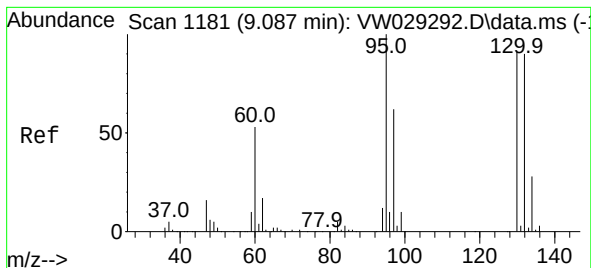
Tgt Ion:117 Resp: 109659
Ion Ratio Lower Upper
117 100
119 98.0 79.0 118.4



#33
Benzene
Concen: 23.187 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VW029314.D
Acq: 21 Jun 2024 19:59

Tgt Ion: 78 Resp: 352331





#34

Trichloroethene

Concen: 22.030 ug/L

RT: 9.093 min Scan# 1181

Delta R.T. 0.006 min

Lab File: VW029314.D

Acq: 21 Jun 2024 19:59

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 95 Resp: 89307

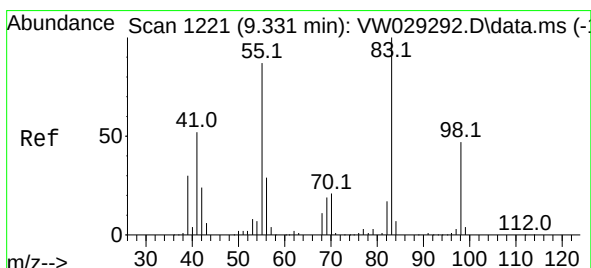
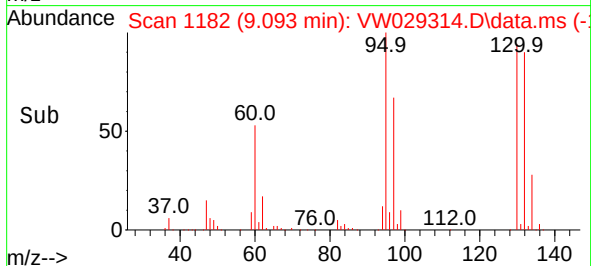
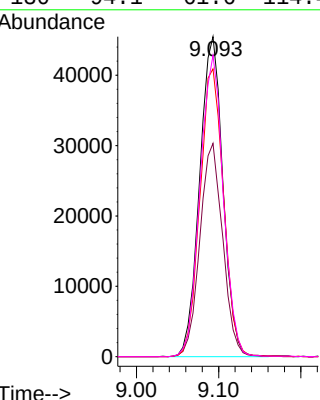
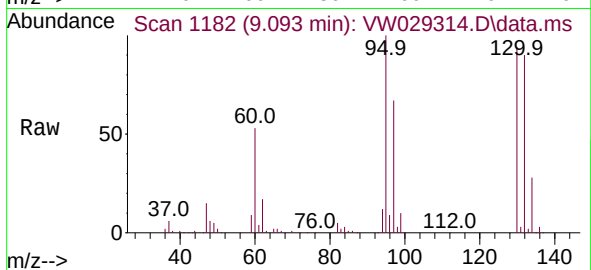
Ion Ratio Lower Upper

95 100

97 66.6 45.7 84.9

132 90.0 66.4 123.4

130 94.1 61.6 114.4



#35

Methylcyclohexane

Concen: 21.743 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. -0.000 min

Lab File: VW029314.D

Acq: 21 Jun 2024 19:59

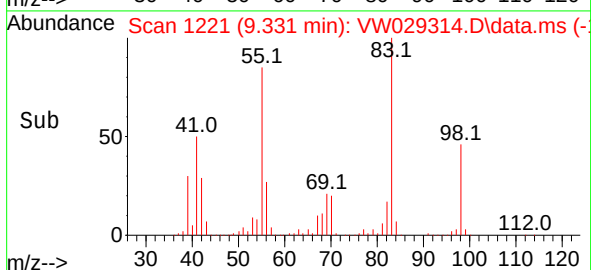
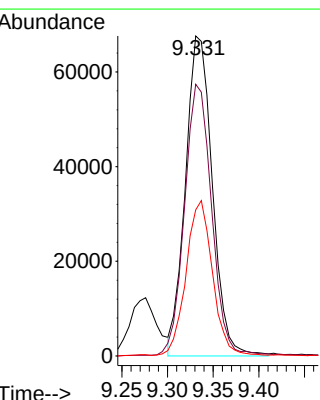
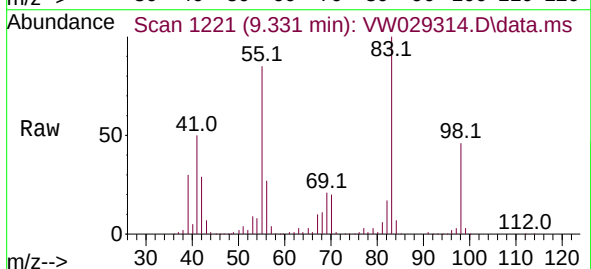
Tgt Ion: 83 Resp: 138627

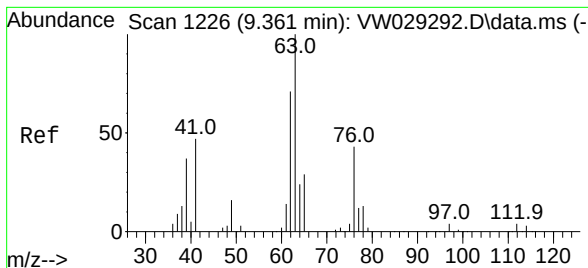
Ion Ratio Lower Upper

83 100

55 85.4 69.5 104.3

98 47.7 38.0 57.0





#37

1,2-Dichloropropane

Concen: 23.525 ug/L

RT: 9.367 min Scan# 1227

Delta R.T. 0.006 min

Lab File: VW029314.D

Acq: 21 Jun 2024 19:59

Instrument :

MSVOA_W

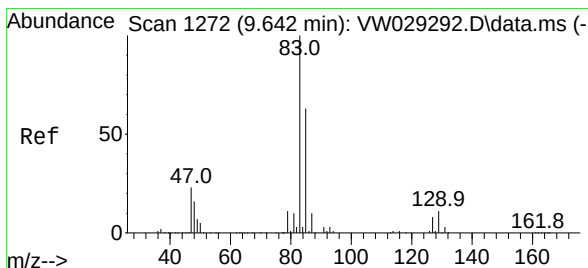
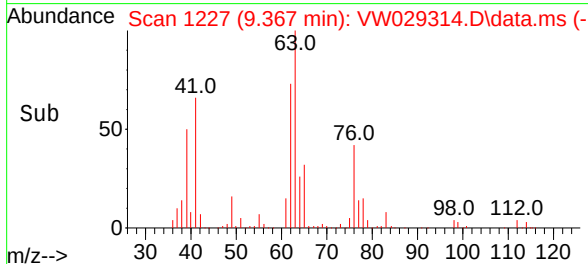
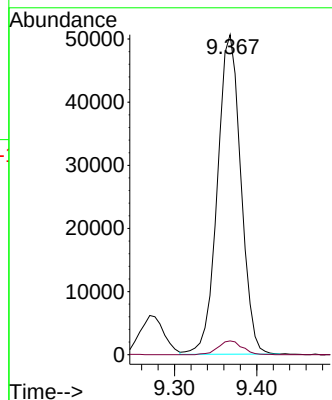
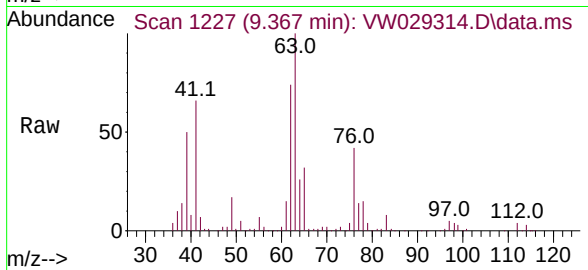
ClientSampleId :

Tgt Ion: 63 Resp: 100446

Ion Ratio Lower Upper

63 100

112 4.5 3.8 5.6



#38

Bromodichloromethane

Concen: 23.646 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW029314.D

Acq: 21 Jun 2024 19:59

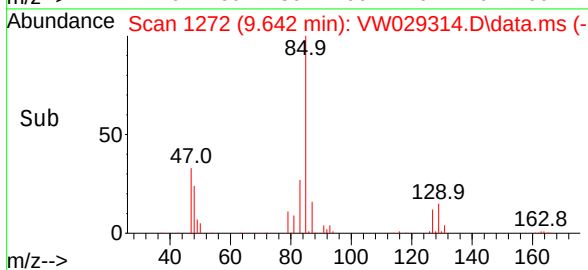
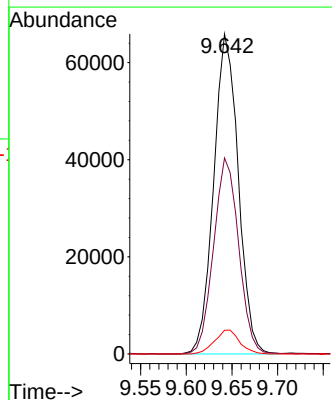
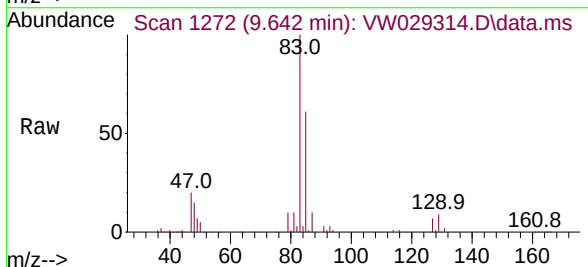
Tgt Ion: 83 Resp: 123444

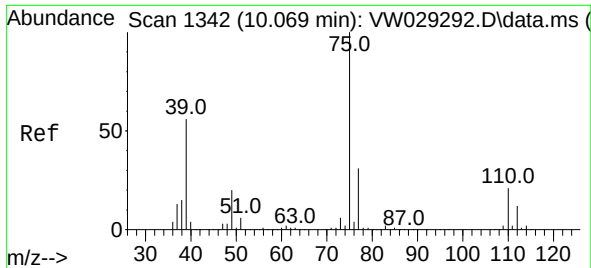
Ion Ratio Lower Upper

83 100

85 61.3 45.1 83.9

127 7.4 5.8 8.6

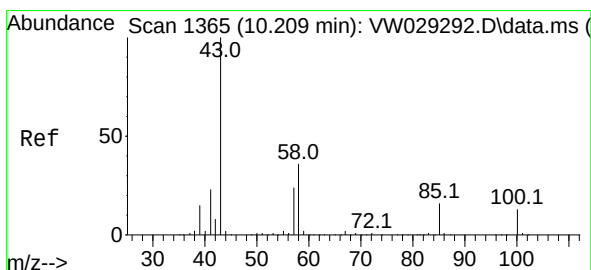
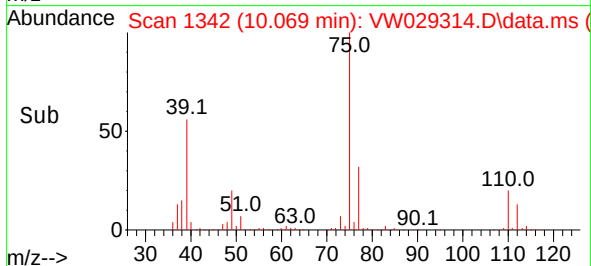
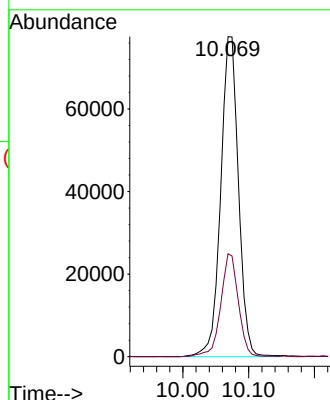
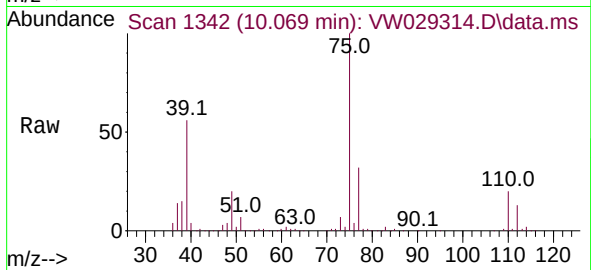




#39
cis-1,3-Dichloropropene
Concen: 24.158 ug/L
RT: 10.069 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VW029314.D
Acq: 21 Jun 2024 19:59

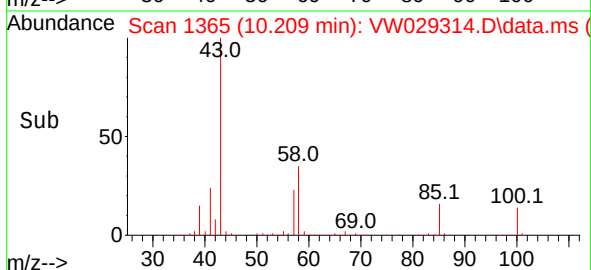
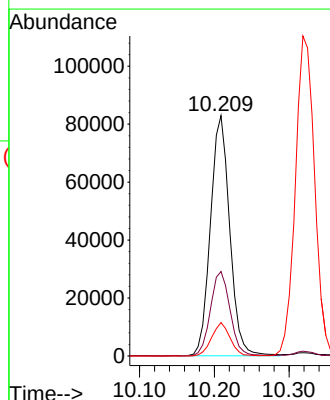
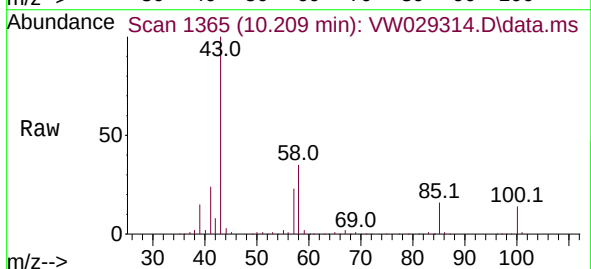
Instrument :
MSVOA_W
ClientSampleId :

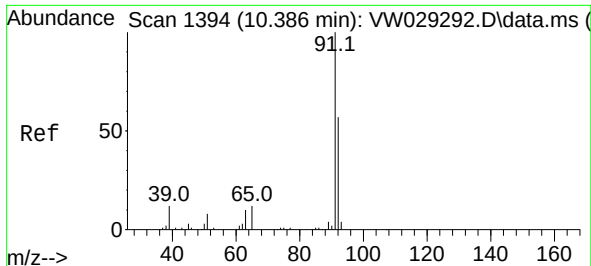
Tgt Ion: 75 Resp: 145809
Ion Ratio Lower Upper
75 100
77 32.1 22.7 42.1



#40
4-Methyl-2-pentanone
Concen: 56.118 ug/L
RT: 10.209 min Scan# 1365
Delta R.T. -0.000 min
Lab File: VW029314.D
Acq: 21 Jun 2024 19:59

Tgt Ion: 43 Resp: 148513
Ion Ratio Lower Upper
43 100
58 35.9 28.2 42.4
100 13.3 11.0 16.4





#42

Toluene

Concen: 23.730 ug/L

RT: 10.386 min Scan# 1394

Delta R.T. -0.000 min

Lab File: VW029314.D

Acq: 21 Jun 2024 19:59

Instrument :

MSVOA_W

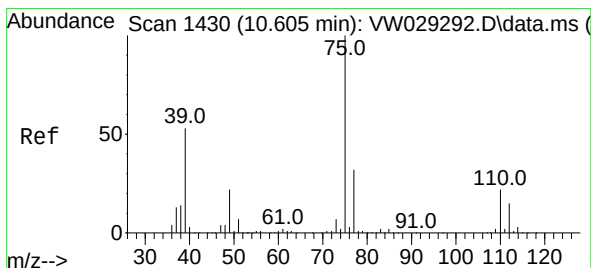
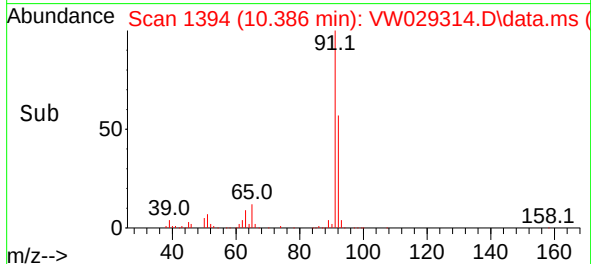
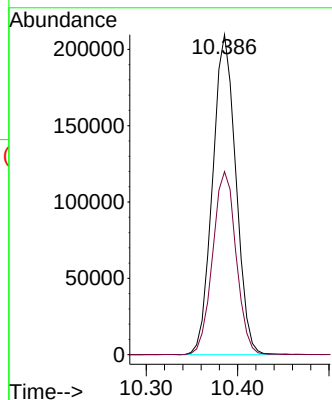
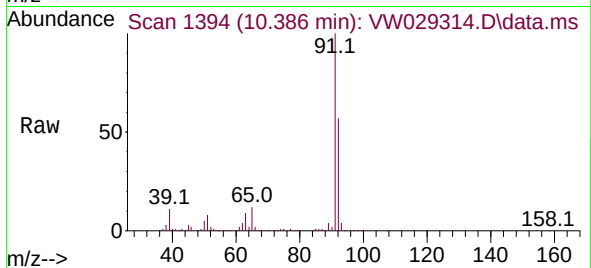
ClientSampleId :

Tgt Ion: 91 Resp: 370686

Ion Ratio Lower Upper

91 100

92 57.2 39.3 73.1



#44

trans-1,3-Dichloropropene

Concen: 24.092 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VW029314.D

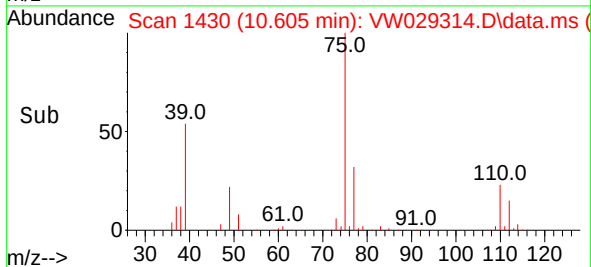
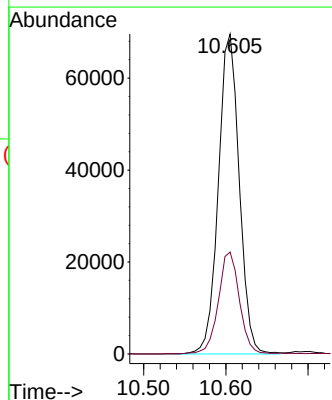
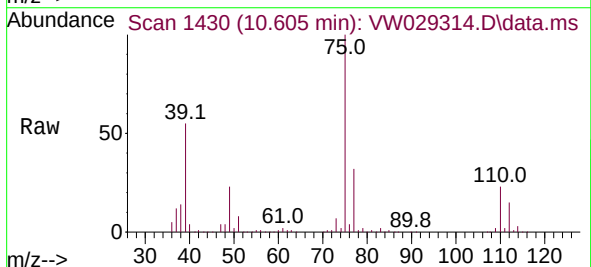
Acq: 21 Jun 2024 19:59

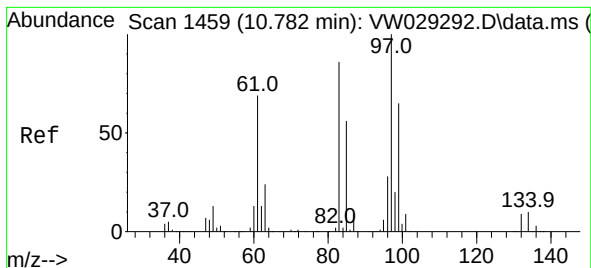
Tgt Ion: 75 Resp: 122783

Ion Ratio Lower Upper

75 100

77 31.8 22.7 42.1





#45

1,1,2-Trichloroethane

Concen: 24.770 ug/L

RT: 10.782 min Scan# 1459

Delta R.T. -0.000 min

Lab File: VW029314.D

Acq: 21 Jun 2024 19:59

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 97 Resp: 73659

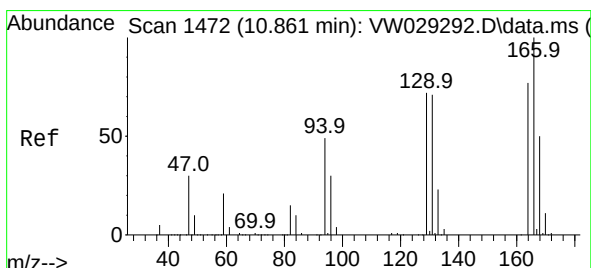
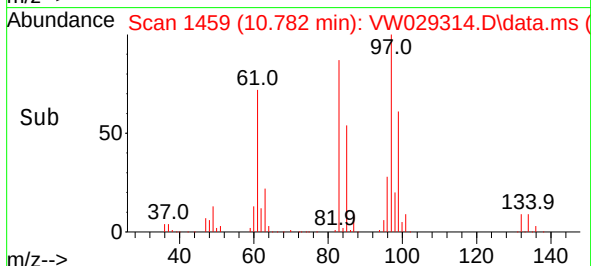
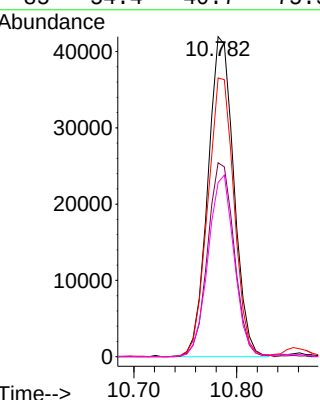
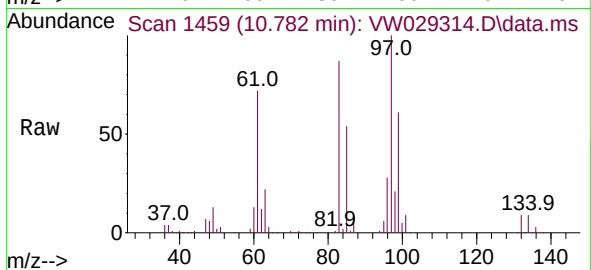
Ion Ratio Lower Upper

97 100

99 60.6 42.3 78.5

83 87.1 57.7 107.1

85 54.4 40.7 75.5



#46

Tetrachloroethene

Concen: 22.386 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VW029314.D

Acq: 21 Jun 2024 19:59

Tgt Ion:164 Resp: 63440

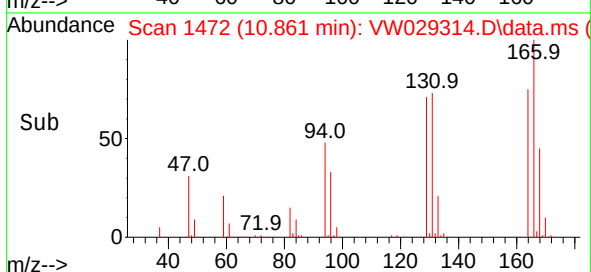
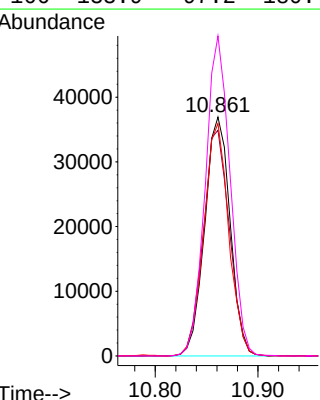
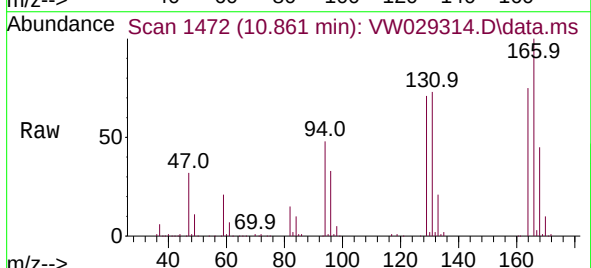
Ion Ratio Lower Upper

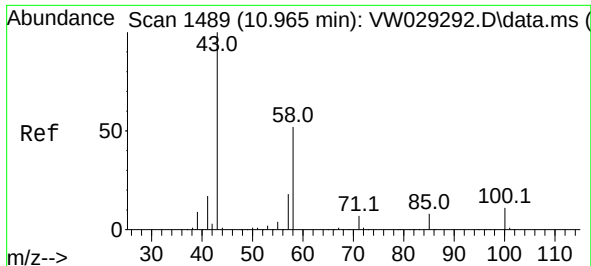
164 100

129 94.5 68.5 127.3

131 97.3 71.8 133.4

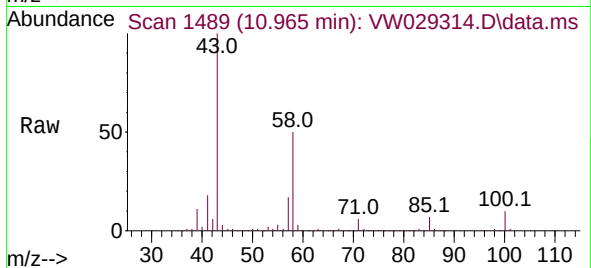
166 133.9 97.2 180.4



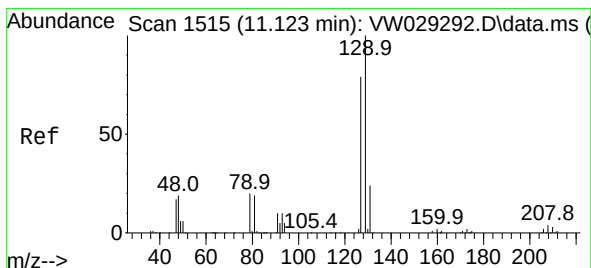
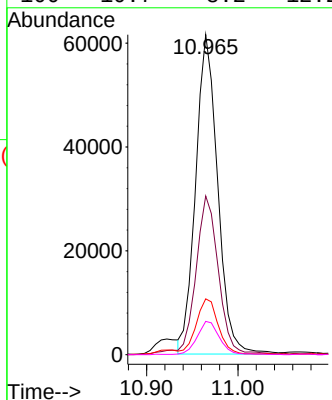
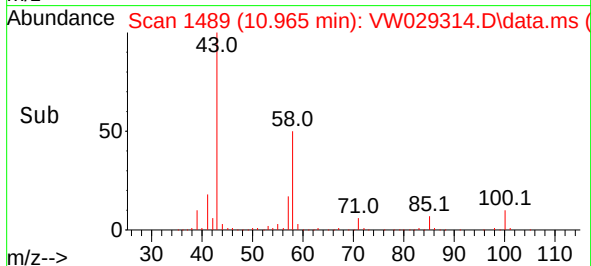


#48
2-Hexanone
Concen: 54.970 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VW029314.D
Acq: 21 Jun 2024 19:59

Instrument :
MSVOA_W
ClientSampleId :

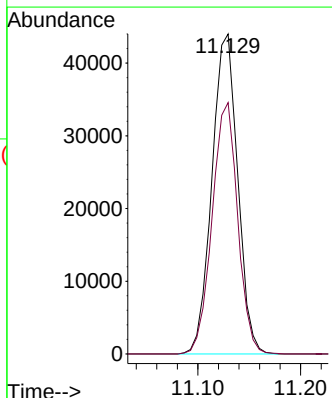
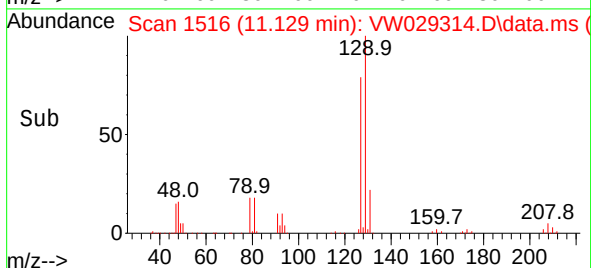
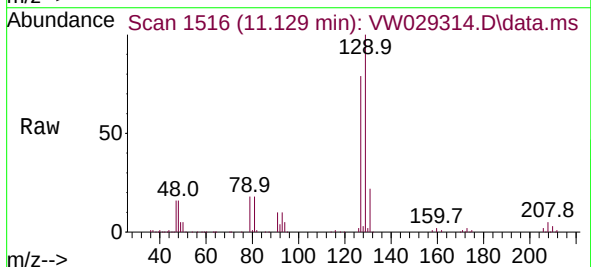


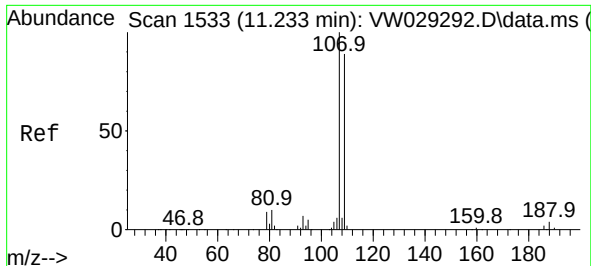
Tgt Ion:	43	Resp:	103225
Ion	Ratio	Lower	Upper
43	100		
58	47.7	39.6	59.4
57	17.5	14.6	21.8
100	10.7	8.2	12.2



#49
Dibromochloromethane
Concen: 24.645 ug/L
RT: 11.129 min Scan# 1516
Delta R.T. 0.006 min
Lab File: VW029314.D
Acq: 21 Jun 2024 19:59

Tgt Ion:	129	Resp:	76609
Ion	Ratio	Lower	Upper
129	100		
127	78.5	54.8	101.8





#50

1,2-Dibromoethane

Concen: 24.752 ug/L

RT: 11.233 min Scan# 1

Delta R.T. -0.000 min

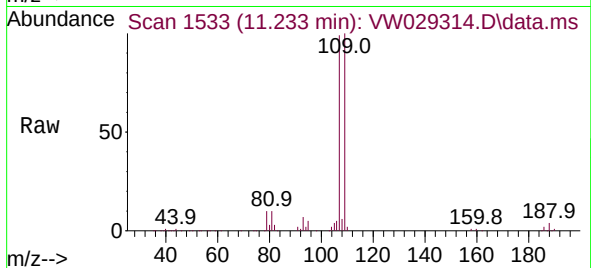
Lab File: VW029314.D

Acq: 21 Jun 2024 19:59

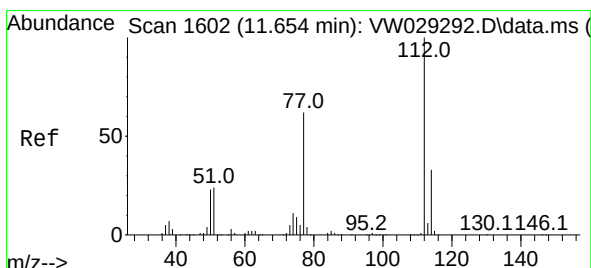
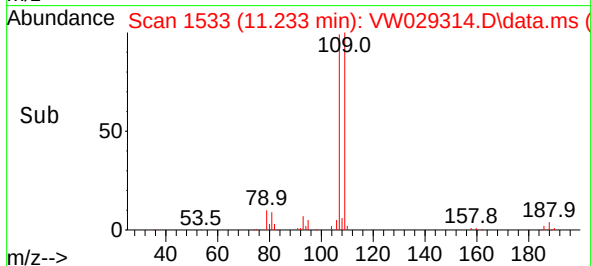
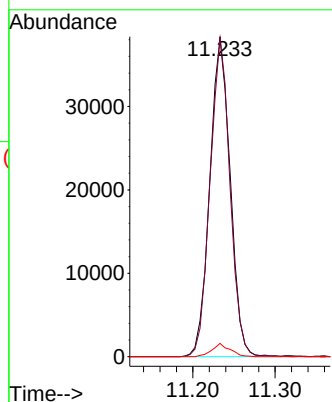
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:	107	Resp:	66074
Ion	Ratio	Lower	Upper
107	100		
109	100.6	65.5	121.6
188	4.2	2.6	4.0#



#51

Chlorobenzene

Concen: 22.875 ug/L

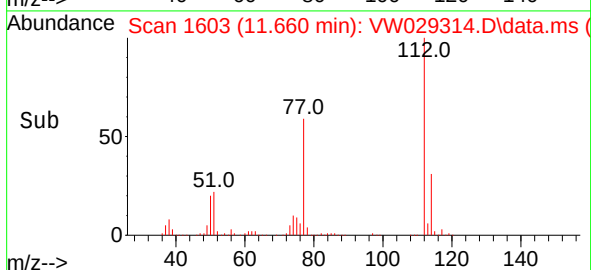
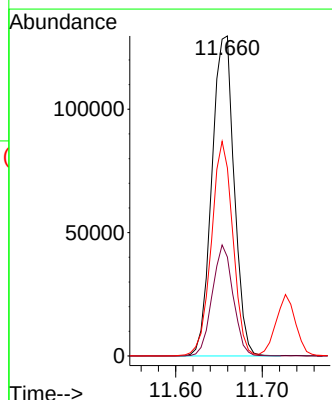
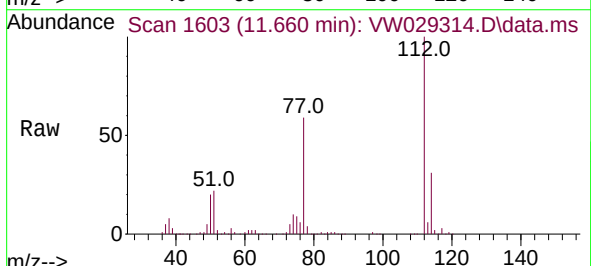
RT: 11.660 min Scan# 1603

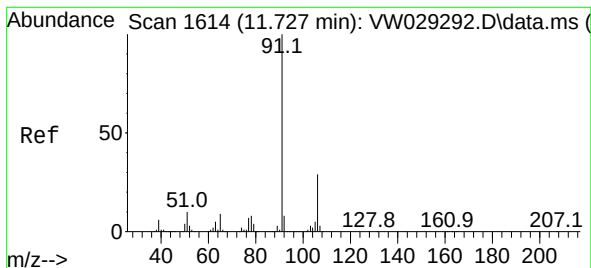
Delta R.T. 0.006 min

Lab File: VW029314.D

Acq: 21 Jun 2024 19:59

Tgt Ion:	112	Resp:	232048
Ion	Ratio	Lower	Upper
112	100		
114	30.9	22.6	42.0
77	58.8	51.0	76.6

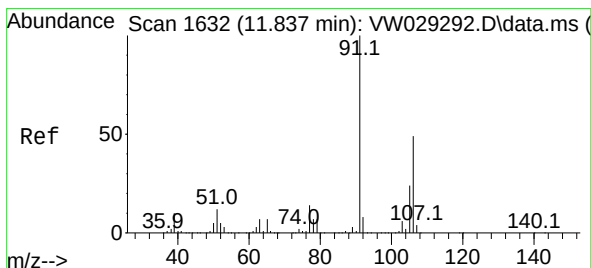
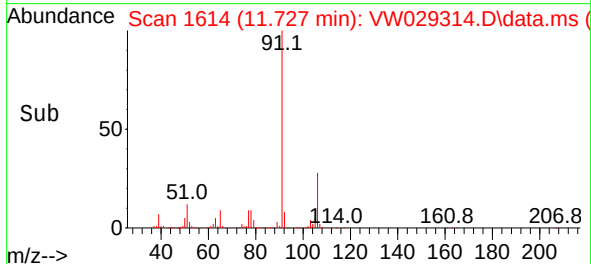
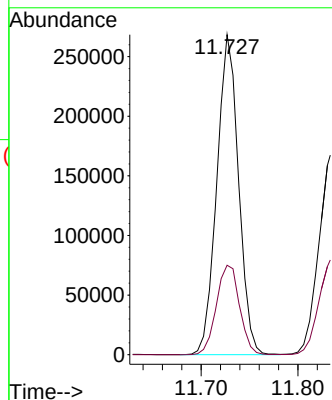
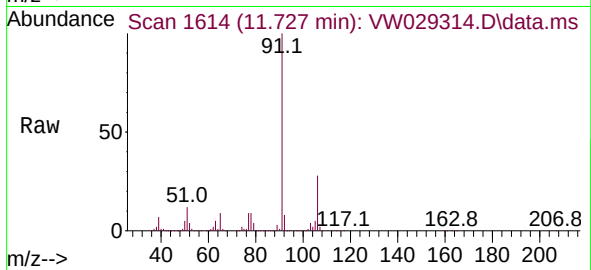




#52
Ethylbenzene
Concen: 23.603 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW029314.D
Acq: 21 Jun 2024 19:59

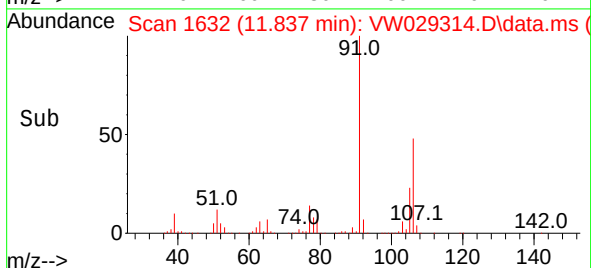
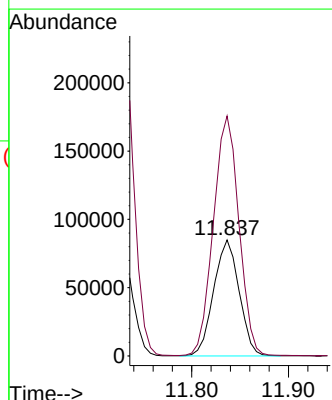
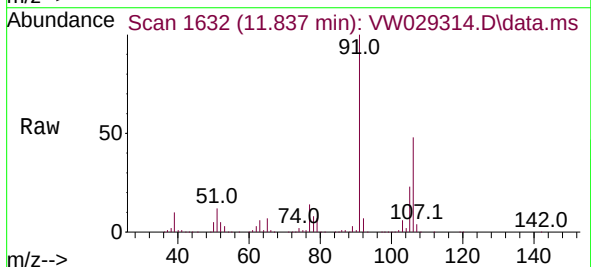
Instrument :
MSVOA_W
ClientSampleId :

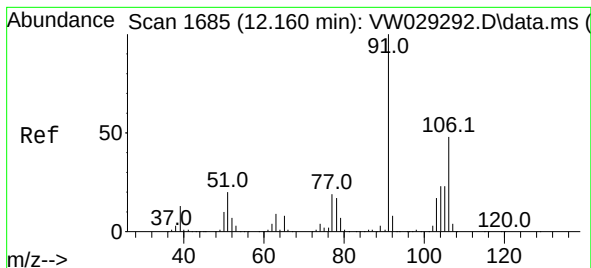
Tgt Ion: 91 Resp: 418536
Ion Ratio Lower Upper
91 100
106 28.0 19.9 37.0



#53
m,p-Xylene
Concen: 24.010 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW029314.D
Acq: 21 Jun 2024 19:59

Tgt Ion:106 Resp: 155512
Ion Ratio Lower Upper
106 100
91 206.8 140.5 260.9





#54

o-Xylene

Concen: 24.752 ug/L

RT: 12.160 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW029314.D

Acq: 21 Jun 2024 19:59

Instrument :

MSVOA_W

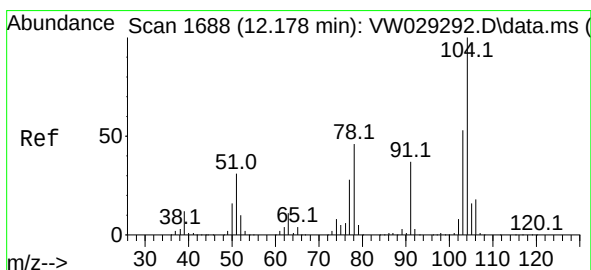
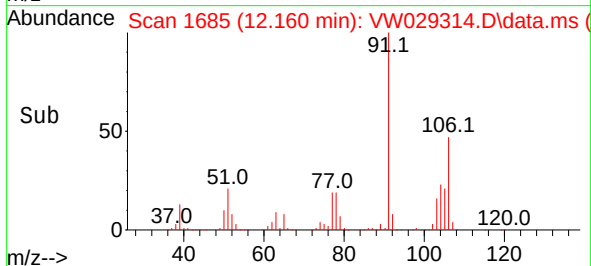
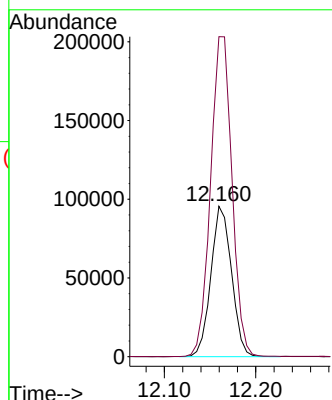
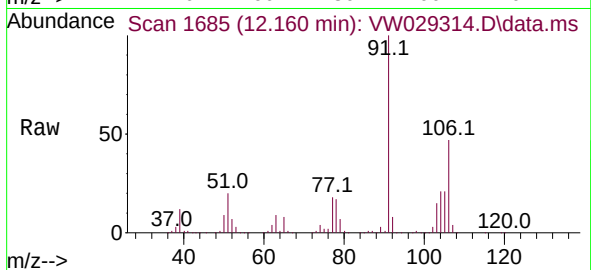
ClientSampleId :

Tgt Ion:106 Resp: 149833

Ion Ratio Lower Upper

106 100

91 212.9 149.9 278.5



#55

Styrene

Concen: 25.463 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VW029314.D

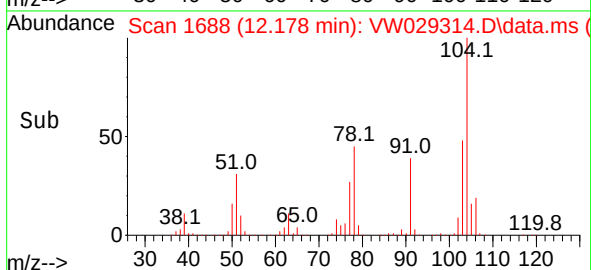
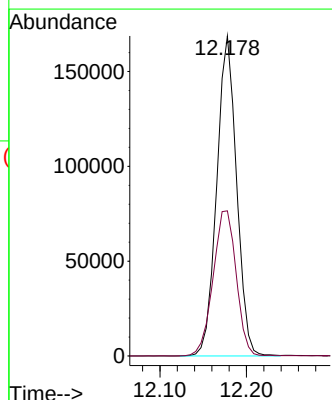
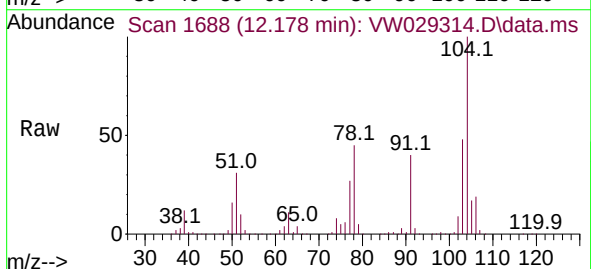
Acq: 21 Jun 2024 19:59

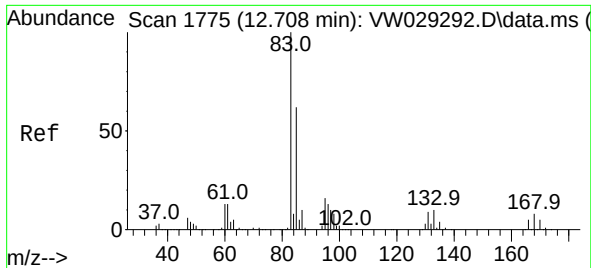
Tgt Ion:104 Resp: 268738

Ion Ratio Lower Upper

104 100

78 45.3 35.4 65.7

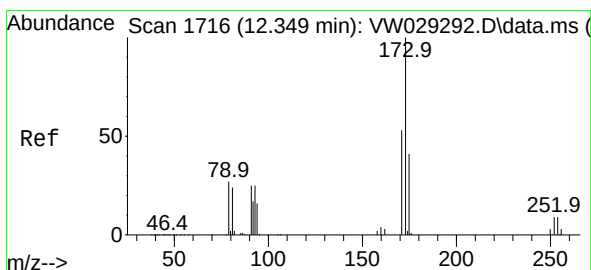
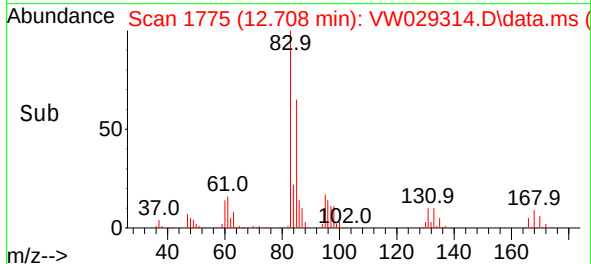
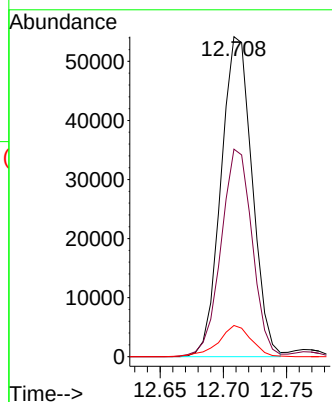
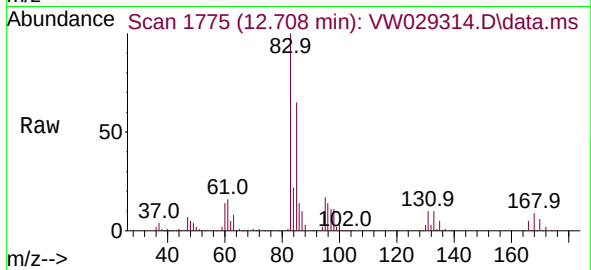




#57
1,1,2,2-Tetrachloroethane
Concen: 25.171 ug/L
RT: 12.708 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VW029314.D
Acq: 21 Jun 2024 19:59

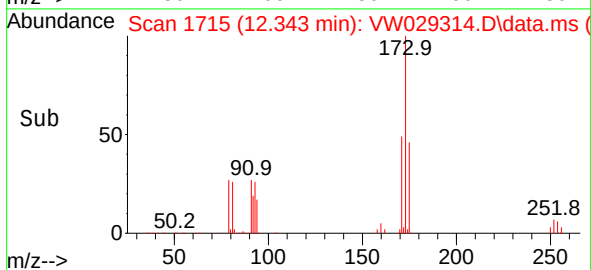
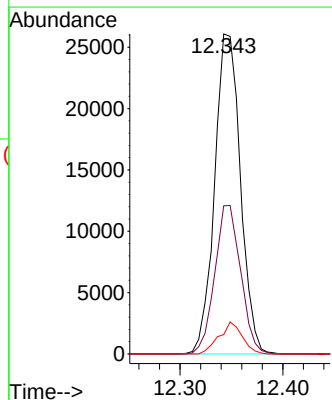
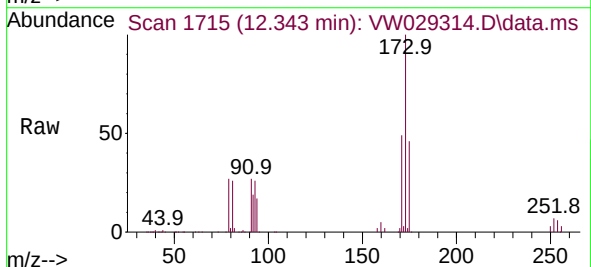
Instrument :
MSVOA_W
ClientSampleId :

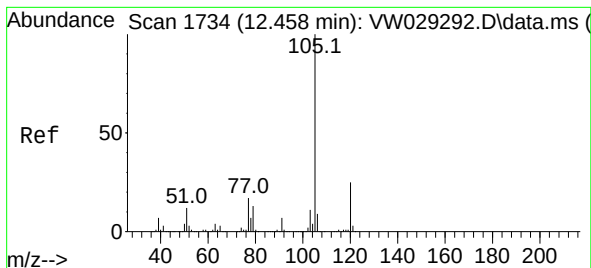
Tgt Ion: 83 Resp: 92588
Ion Ratio Lower Upper
83 100
85 64.9 45.8 85.0
131 9.8 7.8 11.6



#59
Bromoform
Concen: 26.598 ug/L
RT: 12.343 min Scan# 1715
Delta R.T. -0.006 min
Lab File: VW029314.D
Acq: 21 Jun 2024 19:59

Tgt Ion:173 Resp: 45456
Ion Ratio Lower Upper
173 100
175 46.5 37.8 56.8
254 9.0 7.8 11.6





#60

Isopropylbenzene

Concen: 24.849 ug/L

RT: 12.458 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW029314.D

Acq: 21 Jun 2024 19:59

Instrument :

MSVOA_W

ClientSampleId :

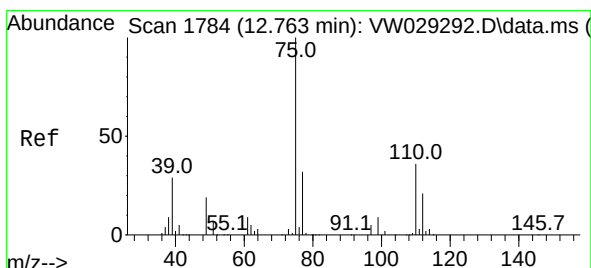
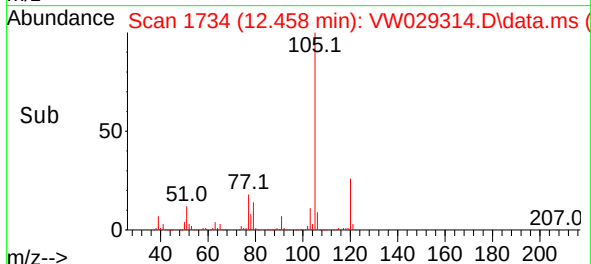
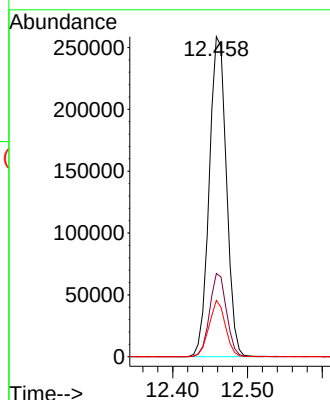
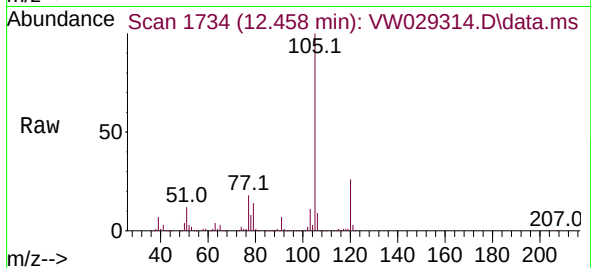
Tgt Ion:105 Resp: 412863

Ion Ratio Lower Upper

105 100

120 25.4 20.5 30.7

77 16.7 13.6 20.4



#61

1,2,3-Trichloropropane

Concen: 26.062 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VW029314.D

Acq: 21 Jun 2024 19:59

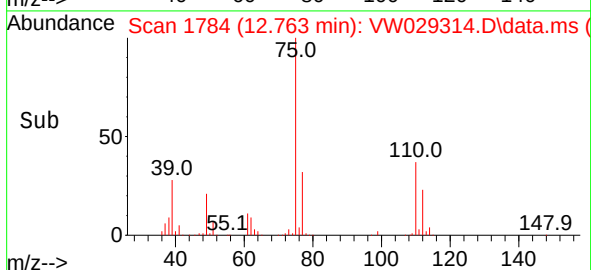
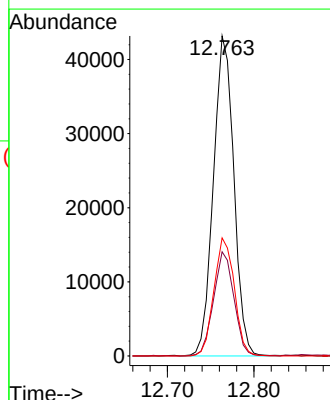
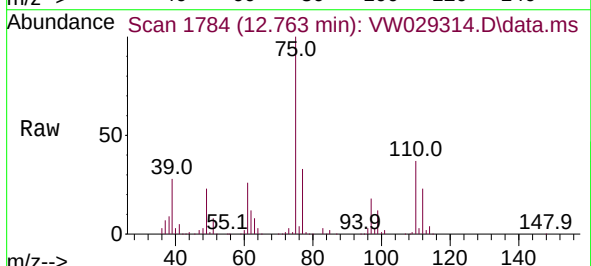
Tgt Ion: 75 Resp: 70883

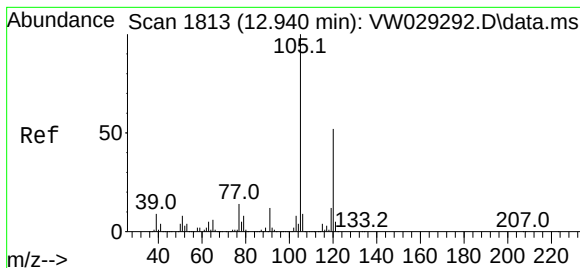
Ion Ratio Lower Upper

75 100

77 32.5 26.6 39.8

110 36.8 29.5 44.3





#62

1,3,5-Trimethylbenzene

Concen: 25.363 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW029314.D

Acq: 21 Jun 2024 19:59

Instrument :

MSVOA_W

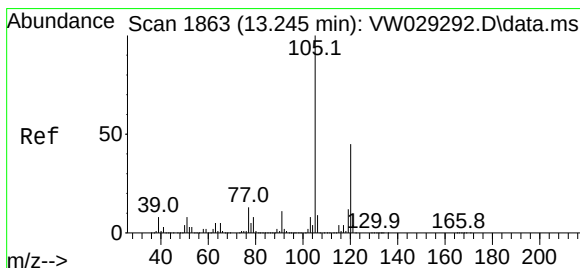
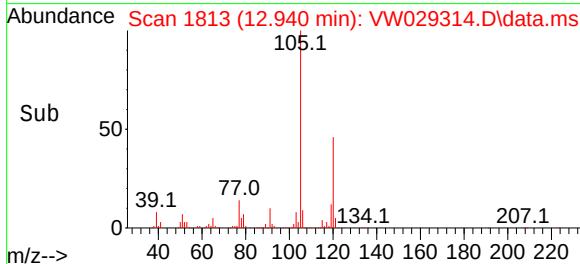
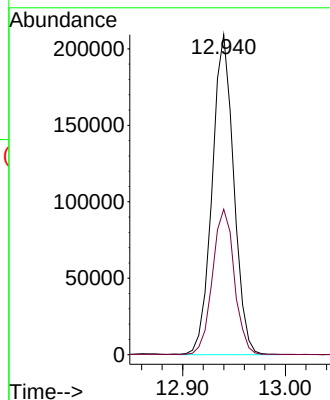
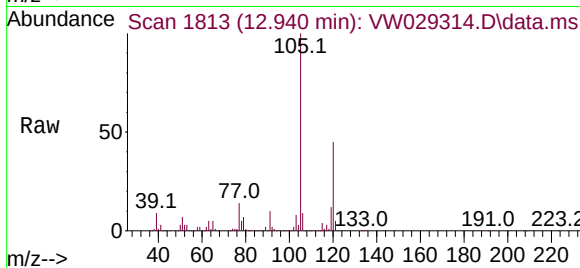
ClientSampleId :

Tgt Ion:105 Resp: 305198

Ion Ratio Lower Upper

105 100

120 46.1 36.4 54.6



#63

1,2,4-Trimethylbenzene

Concen: 25.782 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. -0.000 min

Lab File: VW029314.D

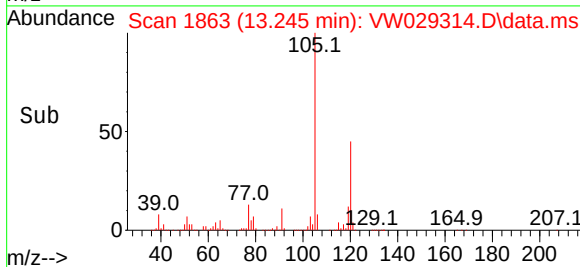
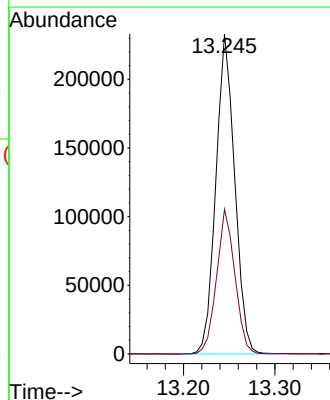
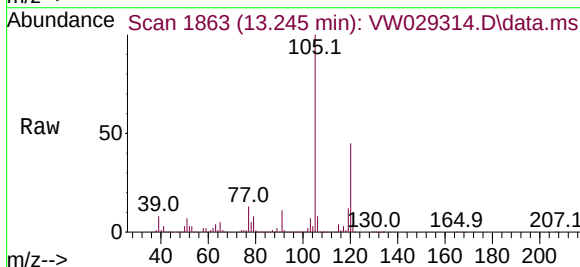
Acq: 21 Jun 2024 19:59

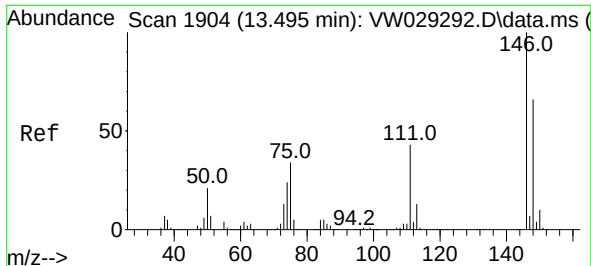
Tgt Ion:105 Resp: 333798

Ion Ratio Lower Upper

105 100

120 44.1 34.9 52.3





#64

1,3-Dichlorobenzene

Concen: 23.815 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW029314.D

Acq: 21 Jun 2024 19:59

Instrument :

MSVOA_W

ClientSampleId :

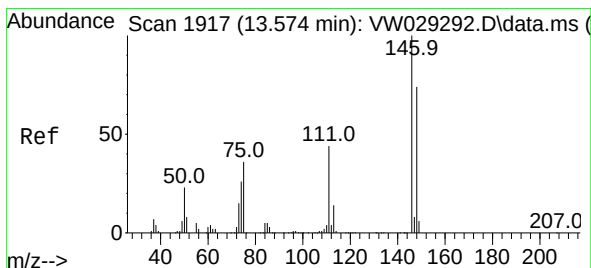
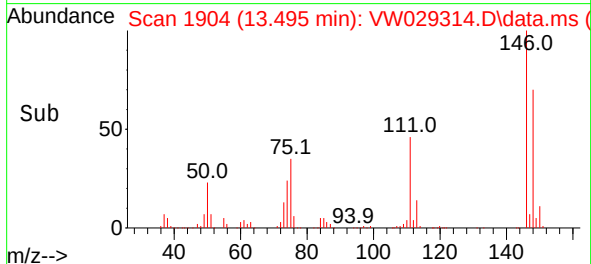
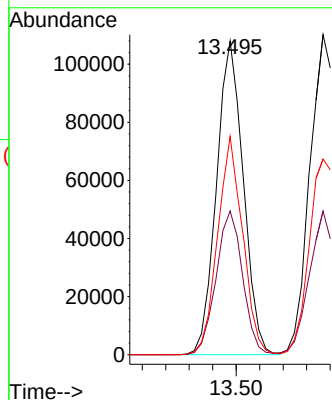
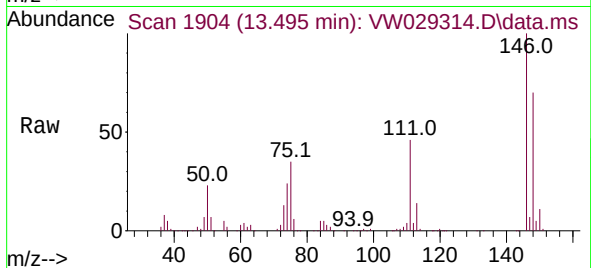
Tgt Ion:146 Resp: 171239

Ion Ratio Lower Upper

146 100

111 45.8 33.0 61.2

148 69.6 47.5 88.1



#65

1,4-Dichlorobenzene

Concen: 23.425 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW029314.D

Acq: 21 Jun 2024 19:59

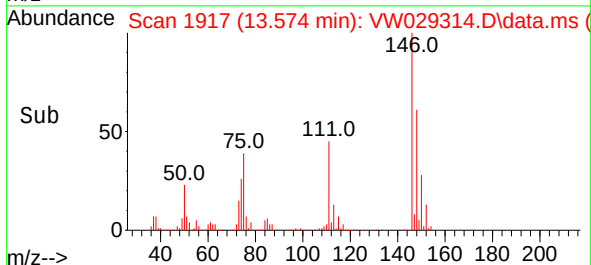
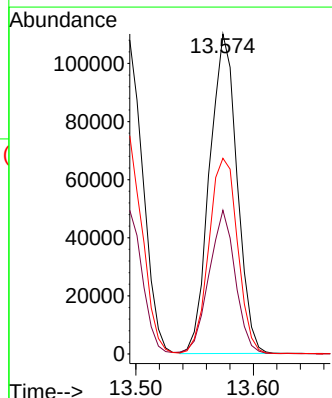
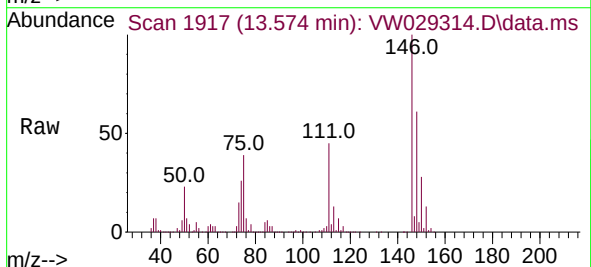
Tgt Ion:146 Resp: 179204

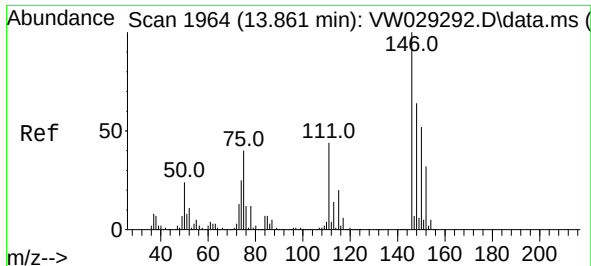
Ion Ratio Lower Upper

146 100

111 44.9 28.9 53.7

148 61.1 42.0 78.0





#67

1,2-Dichlorobenzene

Concen: 24.413 ug/L

RT: 13.867 min Scan# 1964

Delta R.T. 0.006 min

Lab File: VW029314.D

Acq: 21 Jun 2024 19:59

Instrument :

MSVOA_W

ClientSampleId :

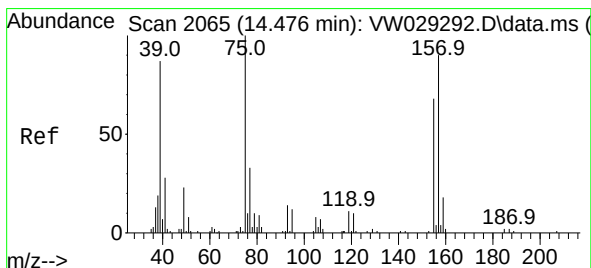
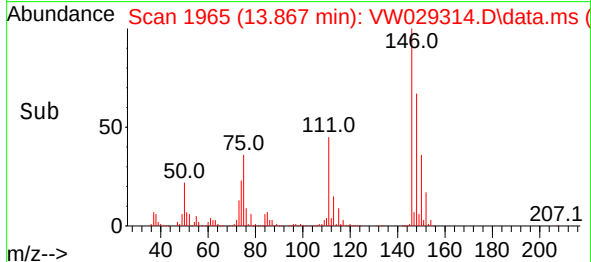
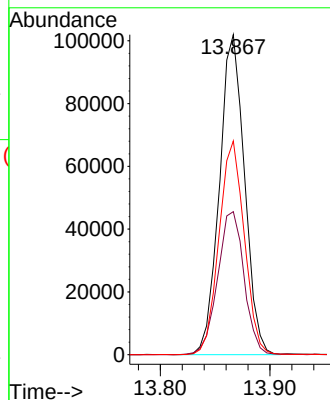
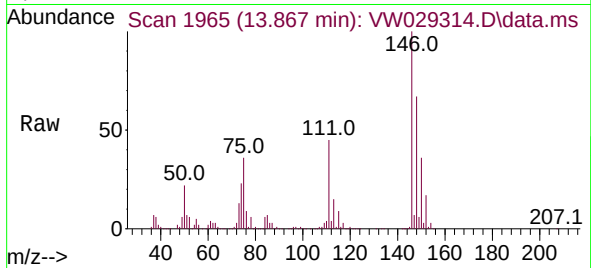
Tgt Ion:146 Resp: 162279

Ion Ratio Lower Upper

146 100

111 44.7 34.2 51.4

148 66.8 46.3 69.5



#68

1,2-Dibromo-3-chloropropane

Concen: 24.687 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. -0.000 min

Lab File: VW029314.D

Acq: 21 Jun 2024 19:59

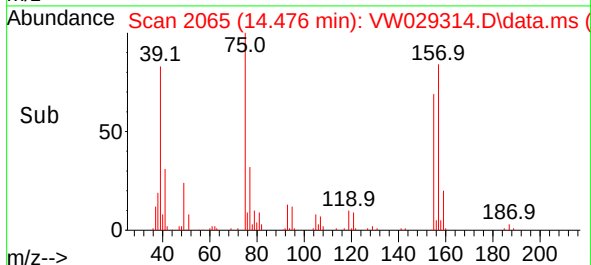
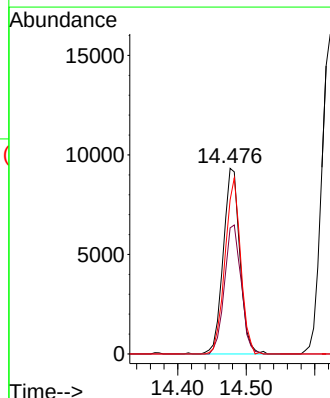
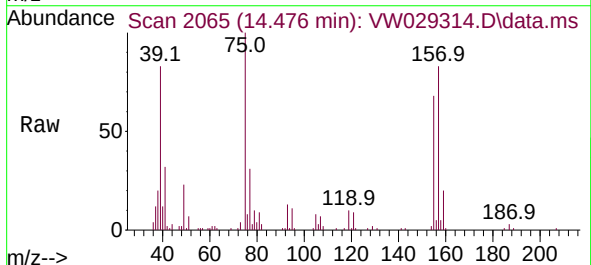
Tgt Ion: 75 Resp: 15669

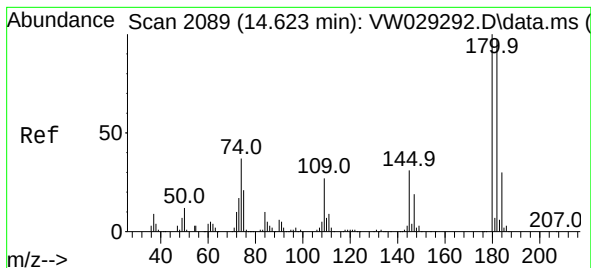
Ion Ratio Lower Upper

75 100

155 67.9 51.0 76.6

157 83.0 58.8 88.2





#69

1,3,5-Trichlorobenzene

Concen: 25.304 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. -0.000 min

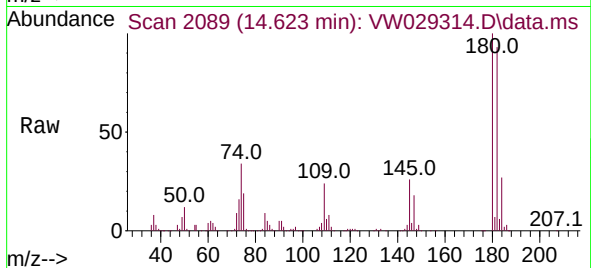
Lab File: VW029314.D

Acq: 21 Jun 2024 19:59

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:180 Resp: 122793

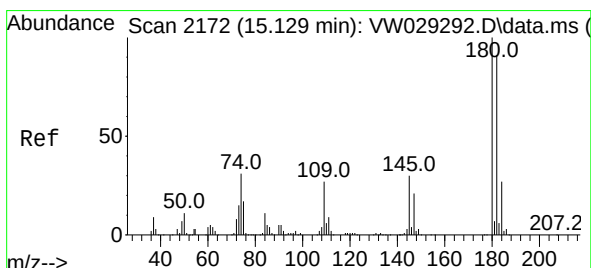
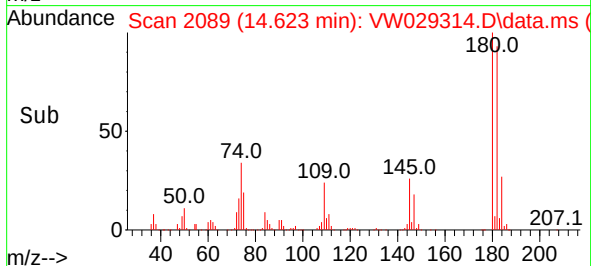
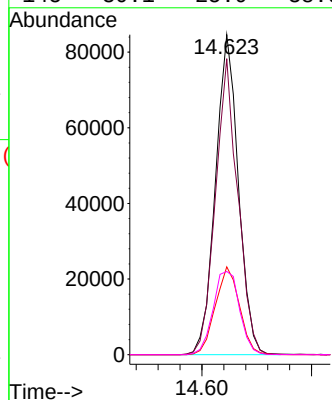
Ion Ratio Lower Upper

180 100

182 90.4 72.9 109.3

184 28.9 23.8 35.6

145 30.1 25.9 38.9



#70

1,2,4-trichlorobenzene

Concen: 24.870 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. -0.000 min

Lab File: VW029314.D

Acq: 21 Jun 2024 19:59

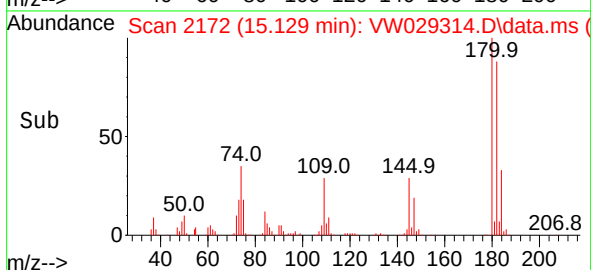
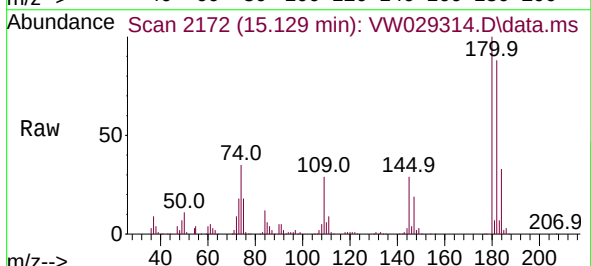
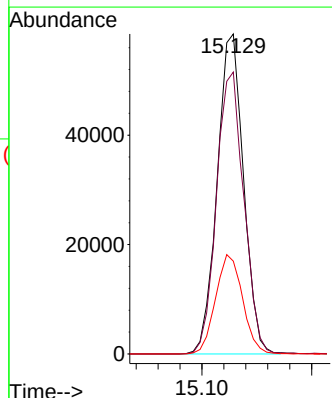
Tgt Ion:180 Resp: 97831

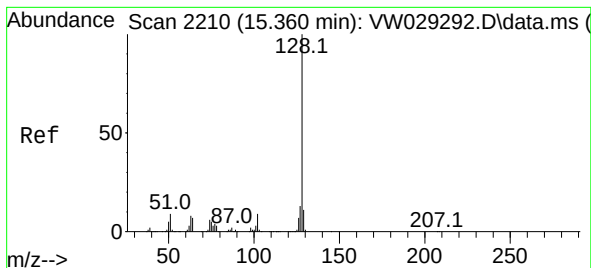
Ion Ratio Lower Upper

180 100

182 91.2 77.7 116.5

145 31.8 25.7 38.5





#71

Naphthalene

Concen: 27.090 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. -0.000 min

Lab File: VW029314.D

Acq: 21 Jun 2024 19:59

Instrument :

MSVOA_W

ClientSampleId :

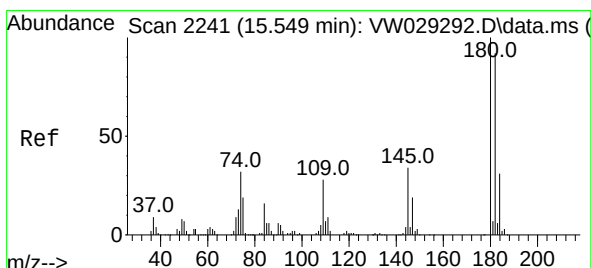
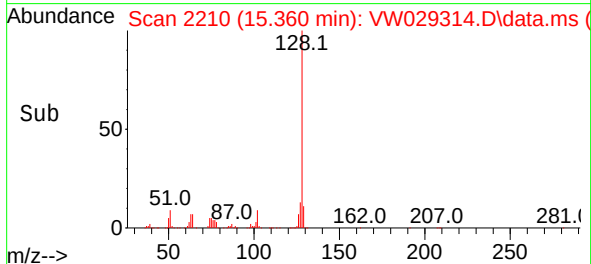
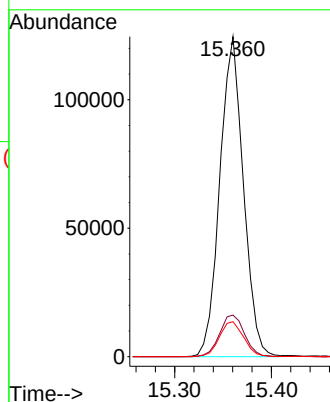
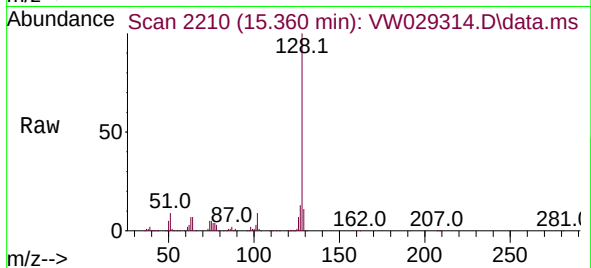
Tgt Ion:128 Resp: 210323

Ion Ratio Lower Upper

128 100

127 13.8 10.3 15.5

129 11.3 8.9 13.3



#72

1,2,3-Trichlorobenzene

Concen: 24.919 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW029314.D

Acq: 21 Jun 2024 19:59

Tgt Ion:180 Resp: 89316

Ion Ratio Lower Upper

180 100

182 98.4 73.0 109.6

145 34.7 28.1 42.1

