

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062824\
 Data File : VW029398.D
 Acq On : 28 Jun 2024 15:11
 Operator : SY/MD
 Sample : P3100-03MSD
 Misc : 4.75g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 29 02:11:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM061824SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Jun 29 02:05:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	426236	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	389474	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.550	152	184219	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	102975	17.455	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.800%
7) Chloroethane-d5	2.899	69	89651	17.995	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.960%
11) 1,1-Dichloroethene-d2	4.027	65	54014	18.962	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.840%
21) 2-Butanone-d5	7.075	46	65868	37.318	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	74.640%
24) Chloroform-d	7.648	84	269422	21.190	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.760%
26) 1,2-Dichloroethane-d4	8.307	65	140515	19.248	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	77.000%
32) Benzene-d6	8.276	84	502234	21.230	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	84.920%
36) 1,2-Dichloropropane-d6	9.270	67	161726	21.506	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.040%
41) Toluene-d8	10.319	98	442946	21.163	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.640%
43) trans-1,3-Dichloroprop...	10.575	79	61769	20.383	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.520%
47) 2-Hexanone-d5	10.922	63	48021	40.736	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.480%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	115772	19.343	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	77.360%
66) 1,2-Dichlorobenzene-d4	13.849	152	140259	21.935	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	78560	18.892	ug/L	93
3) Chloromethane	2.223	50	113912	19.211	ug/L	99
5) Vinyl chloride	2.375	62	136359	20.025	ug/L	98
6) Bromomethane	2.790	94	78653	19.218	ug/L	94
8) Chloroethane	2.936	64	88267	21.193	ug/L	100
9) Trichlorofluoromethane	3.265	101	130031	24.631	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.082	101	125751	21.605	ug/L	95
12) 1,1-Dichloroethene	4.045	96	117771	23.846	ug/L	85
13) Acetone	4.119	43	62703	41.802	ug/L	97
14) Carbon disulfide	4.387	76	329551	20.441	ug/L	99
15) Methyl Acetate	4.673	43	55069	18.493	ug/L	100
16) Methylene chloride	4.923	84	131580	17.556	ug/L	94
17) trans-1,2-Dichloroethene	5.435	96	127837	23.308	ug/L	98
18) Methyl tert-butyl Ether	5.429	73	204305	23.282	ug/L	98
19) 1,1-Dichloroethane	6.216	63	279027	23.555	ug/L	98
20) cis-1,2-Dichloroethene	7.173	96	145992	24.138	ug/L	99
22) 2-Butanone	7.167	43	82429	40.088	ug/L	99
23) Bromochloromethane	7.520	128	57274	21.272	ug/L	93
25) Chloroform	7.679	83	267619	23.136	ug/L	96

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 Response via : Initial Calibration

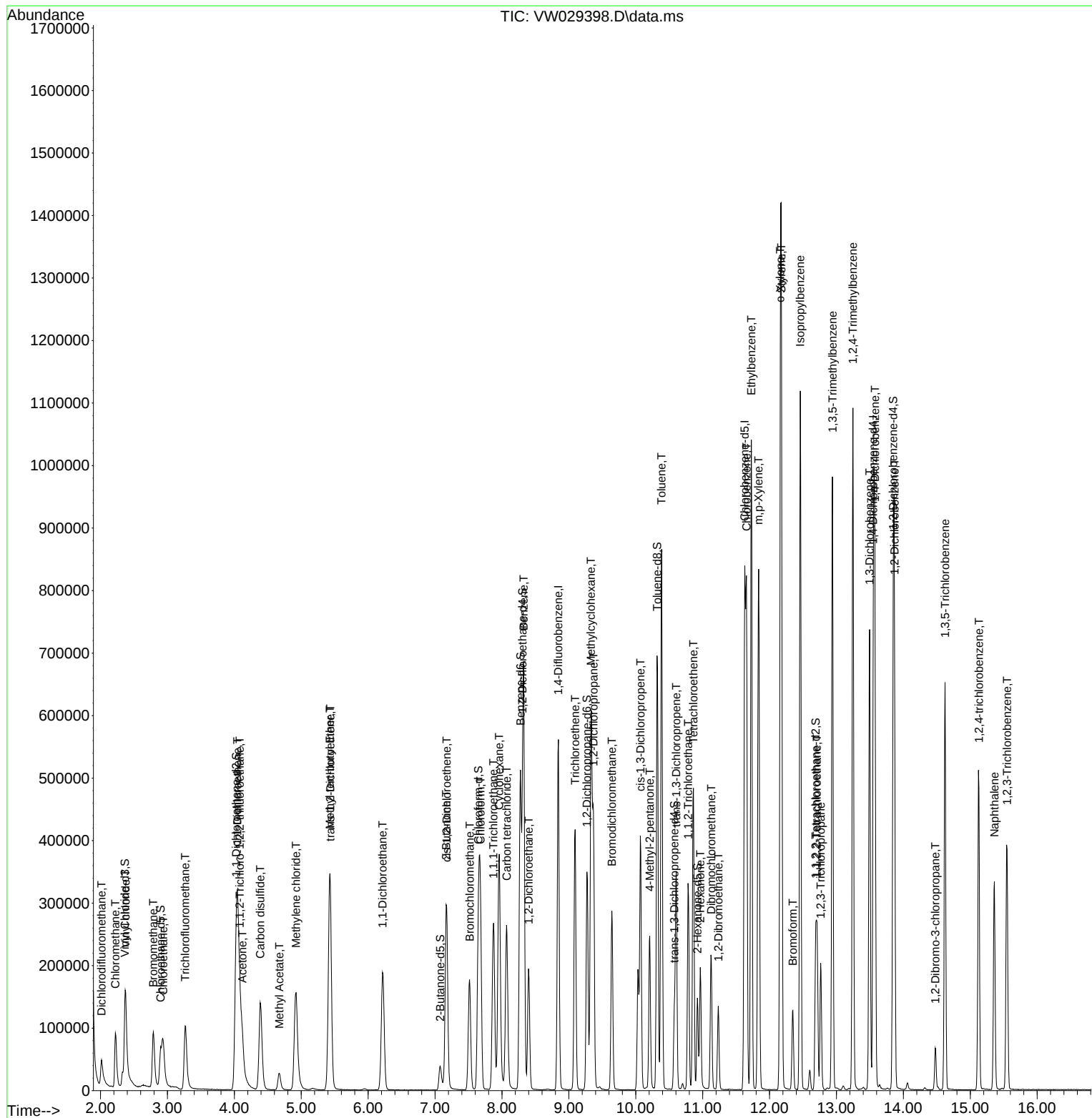
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	176907	20.736	ug/L	99
29) Cyclohexane	7.959	56	219987	24.707	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	220500	25.460	ug/L	96
31) Carbon tetrachloride	8.069	117	198087	25.038	ug/L	96
33) Benzene	8.325	78	574201	24.537	ug/L	100
34) Trichloroethene	9.093	95	149673	23.973	ug/L	94
35) Methylcyclohexane	9.331	83	237658	24.204	ug/L	97
37) 1,2-Dichloropropane	9.368	63	157582	23.964	ug/L	98
38) Bromodichloromethane	9.642	83	188881	23.493	ug/L	99
39) cis-1,3-Dichloropropene	10.069	75	229124	24.649	ug/L	96
40) 4-Methyl-2-pentanone	10.209	43	168808	41.418	ug/L	98
42) Toluene	10.386	91	590598	24.549	ug/L	95
44) trans-1,3-Dichloropropene	10.605	75	187222	23.854	ug/L	96
45) 1,1,2-Trichloroethane	10.782	97	98760	21.564	ug/L	94
46) Tetrachloroethene	10.861	164	102494	23.484	ug/L	95
48) 2-Hexanone	10.965	43	123905	42.844	ug/L	97
49) Dibromochloromethane	11.130	129	109306	22.832	ug/L	98
50) 1,2-Dibromoethane	11.233	107	86453	21.029	ug/L	95
51) Chlorobenzene	11.654	112	376220	24.082	ug/L	98
52) Ethylbenzene	11.727	91	689183	25.237	ug/L	97
53) m,p-Xylene	11.837	106	248632	24.926	ug/L	88
54) o-Xylene	12.160	106	244800	26.259	ug/L	90
55) Styrene	12.178	104	410197	25.236	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.708	83	112277	19.819	ug/L	100
59) Bromoform	12.349	173	56956	22.558	ug/L	98
60) Isopropylbenzene	12.459	105	673571	27.441	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	82888	20.629	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	491770	27.663	ug/L	94
63) 1,2,4-Trimethylbenzene	13.245	105	547949	28.648	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	270331	25.449	ug/L	96
65) 1,4-Dichlorobenzene	13.574	146	275094	24.340	ug/L	95
67) 1,2-Dichlorobenzene	13.867	146	238477	24.284	ug/L	94
68) 1,2-Dibromo-3-chloropr...	14.476	75	17676	18.851	ug/L #	86
69) 1,3,5-Trichlorobenzene	14.623	180	179418	25.027	ug/L	98
70) 1,2,4-trichlorobenzene	15.129	180	143373	24.670	ug/L	97
71) Naphthalene	15.360	128	264612	23.070	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	125774	23.752	ug/L	96

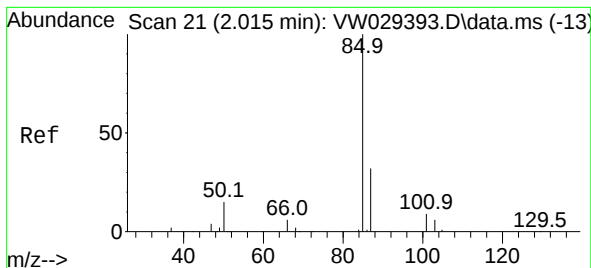
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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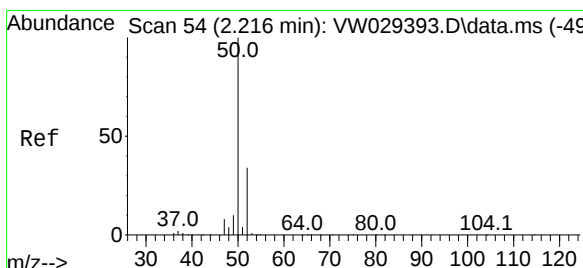
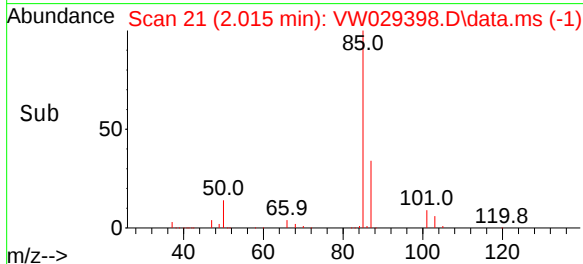
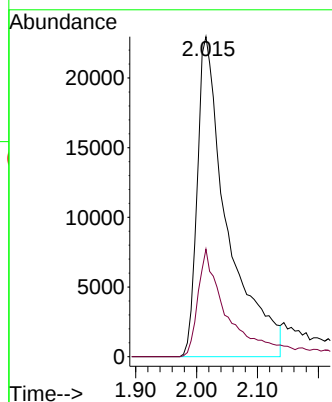
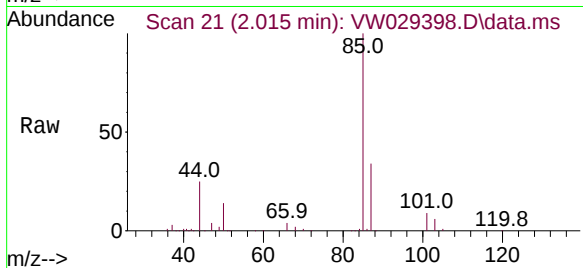




#2
Dichlorodifluoromethane
Concen: 18.892 ug/L
RT: 2.015 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW029398.D
Acq: 28 Jun 2024 15:11

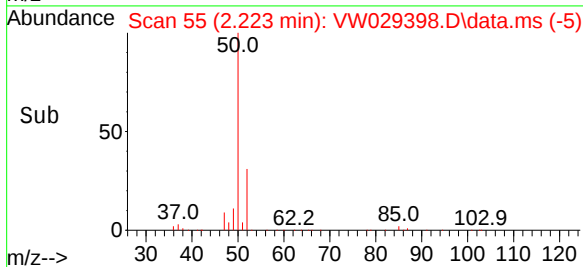
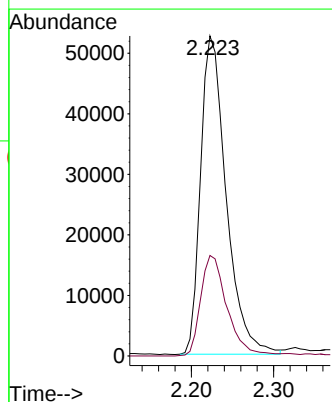
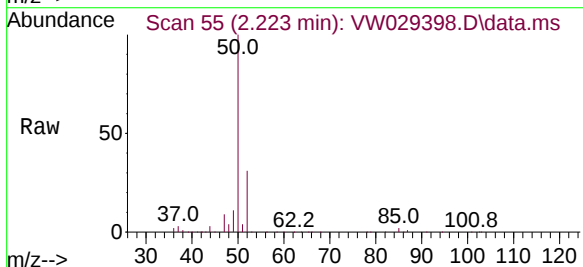
Instrument :
MSVOA_W
ClientSampleId :

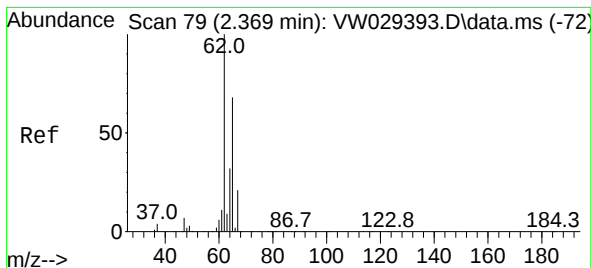
Tgt Ion: 85 Resp: 78560
Ion Ratio Lower Upper
85 100
87 33.3 23.8 35.6



#3
Chloromethane
Concen: 19.211 ug/L
RT: 2.223 min Scan# 55
Delta R.T. 0.006 min
Lab File: VW029398.D
Acq: 28 Jun 2024 15:11

Tgt Ion: 50 Resp: 113912
Ion Ratio Lower Upper
50 100
52 31.4 22.3 41.5





#5

Vinyl chloride

Concen: 20.025 ug/L

RT: 2.375 min Scan# 80

Delta R.T. 0.006 min

Lab File: VW029398.D

Acq: 28 Jun 2024 15:11

Instrument :

MSVOA_W

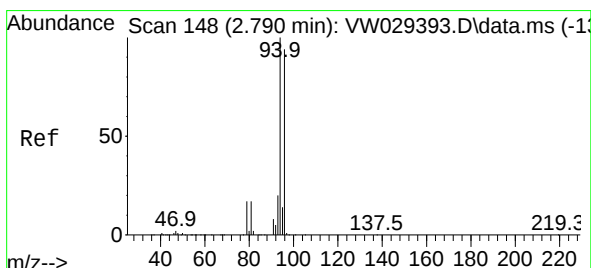
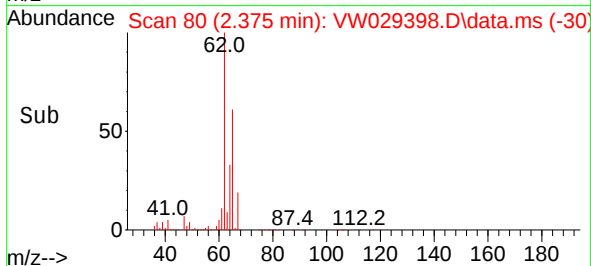
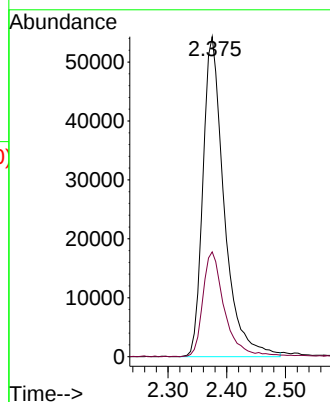
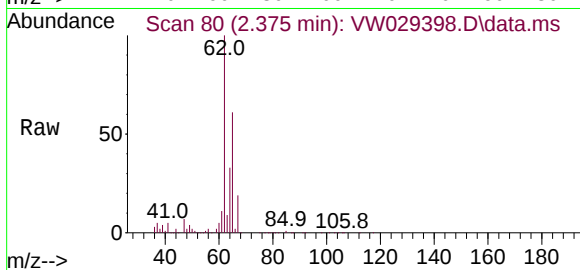
ClientSampleId :

Tgt Ion: 62 Resp: 136359

Ion Ratio Lower Upper

62 100

64 32.7 22.0 40.8



#6

Bromomethane

Concen: 19.218 ug/L

RT: 2.790 min Scan# 148

Delta R.T. 0.000 min

Lab File: VW029398.D

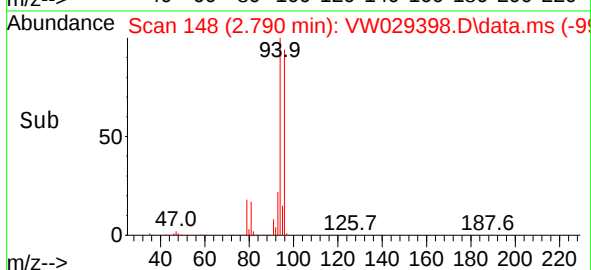
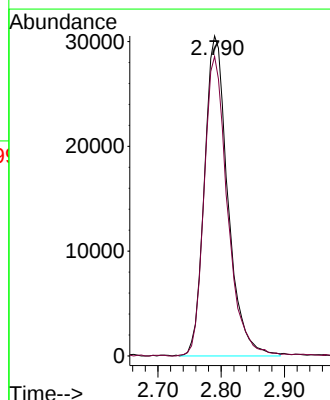
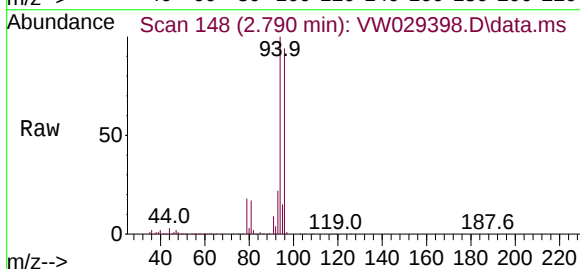
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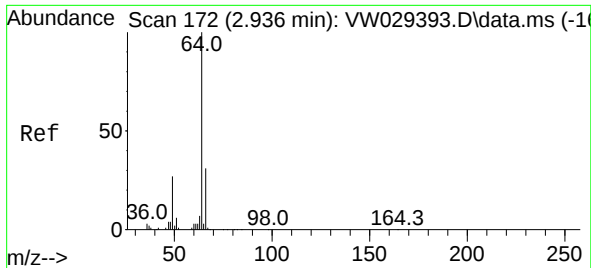
Tgt Ion: 94 Resp: 78653

Ion Ratio Lower Upper

94 100

96 93.6 69.5 129.1

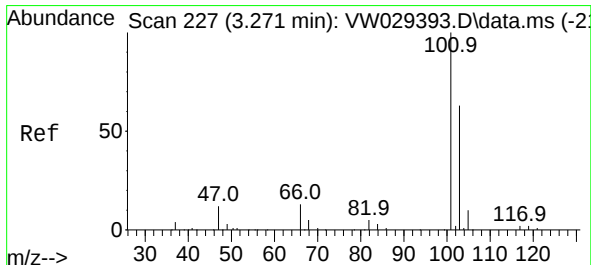
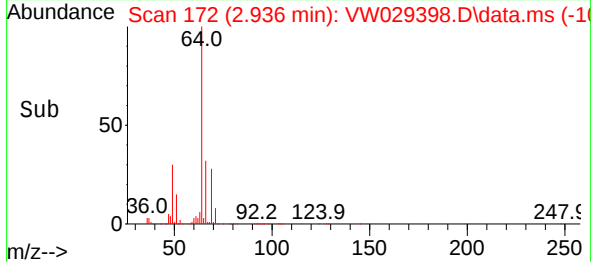
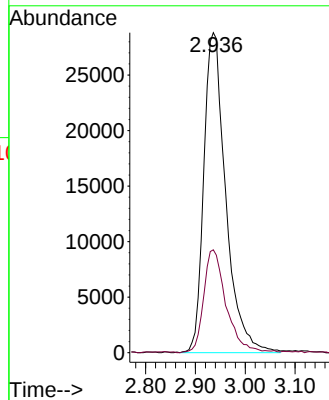
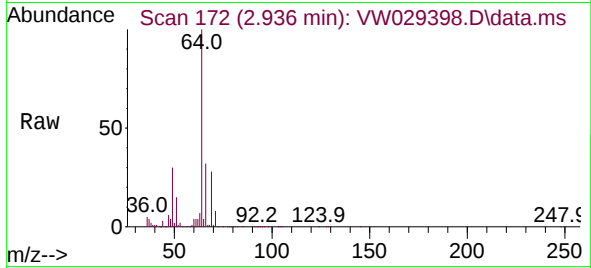




#8
Chloroethane
Concen: 21.193 ug/L
RT: 2.936 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW029398.D
Acq: 28 Jun 2024 15:11

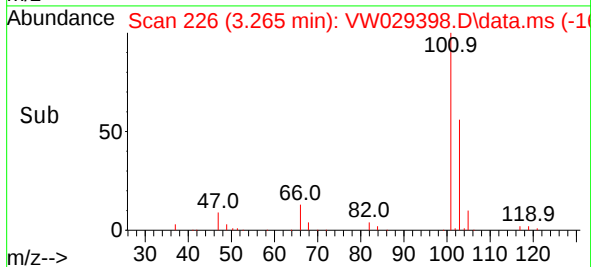
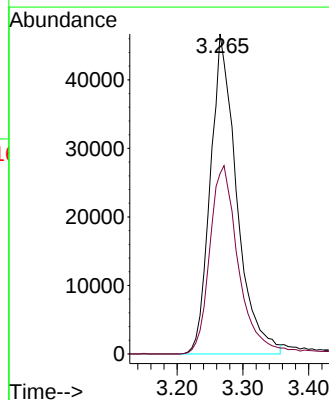
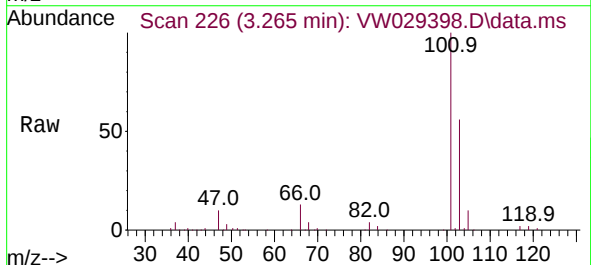
Instrument :
MSVOA_W
ClientSampleId :

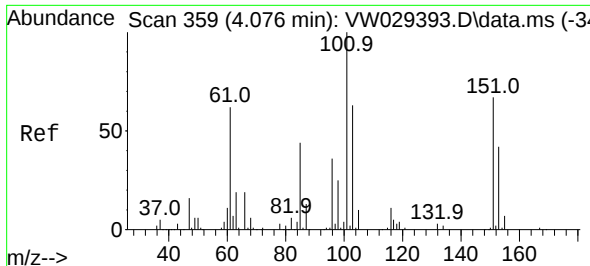
Tgt Ion: 64 Resp: 88267
Ion Ratio Lower Upper
64 100
66 32.1 22.5 41.9



#9
Trichlorofluoromethane
Concen: 24.631 ug/L
RT: 3.265 min Scan# 226
Delta R.T. -0.006 min
Lab File: VW029398.D
Acq: 28 Jun 2024 15:11

Tgt Ion:101 Resp: 130031
Ion Ratio Lower Upper
101 100
103 63.6 50.8 76.2





#10

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

Concen: 21.605 ug/L

RT: 4.082 min Scan# 3

Delta R.T. 0.006 min

Lab File: VW029398.D

Acq: 28 Jun 2024 15:11

Instrument :

MSVOA_W

ClientSampleId :

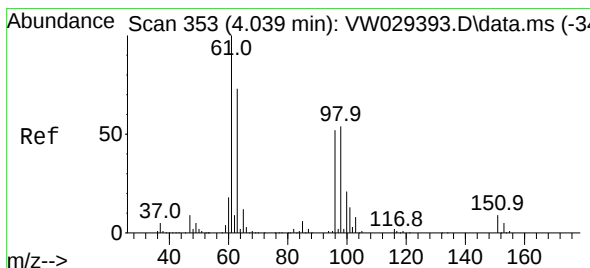
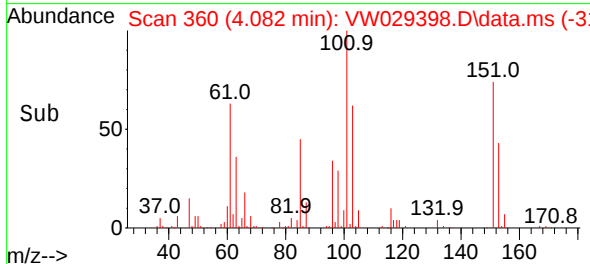
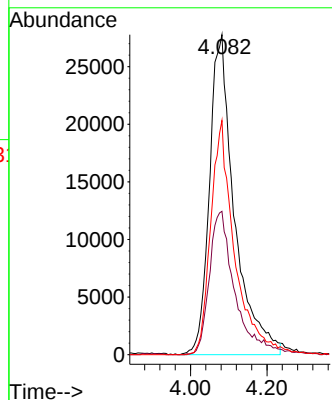
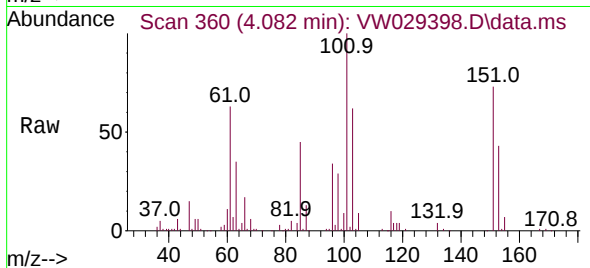
Tgt Ion:101 Resp: 125751

Ion Ratio Lower Upper

101 100

85 41.8 30.2 45.2

151 68.2 52.2 78.4



#12

1,1-Dichloroethene

Concen: 23.846 ug/L

RT: 4.045 min Scan# 354

Delta R.T. 0.006 min

Lab File: VW029398.D

Acq: 28 Jun 2024 15:11

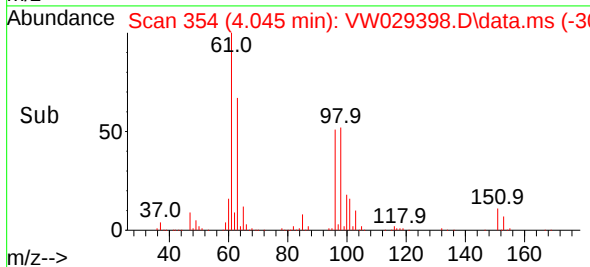
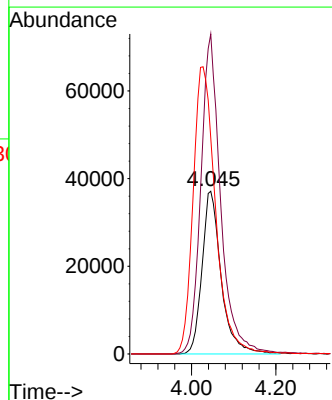
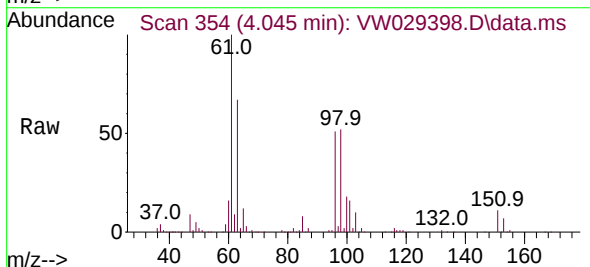
Tgt Ion: 96 Resp: 117771

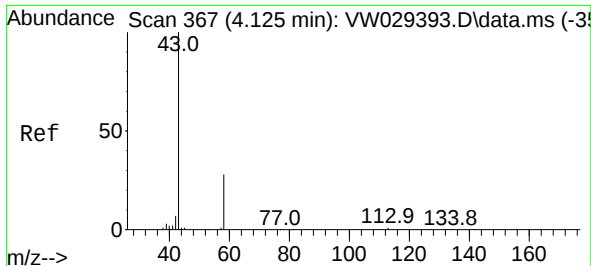
Ion Ratio Lower Upper

96 100

61 196.7 140.1 260.3

63 132.8 122.0 226.6

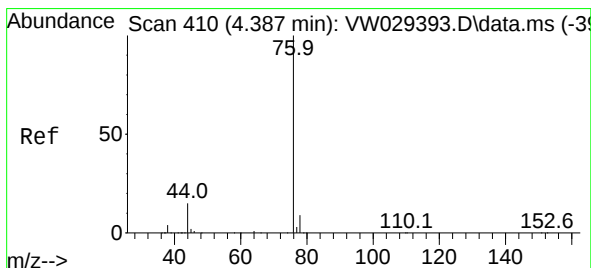
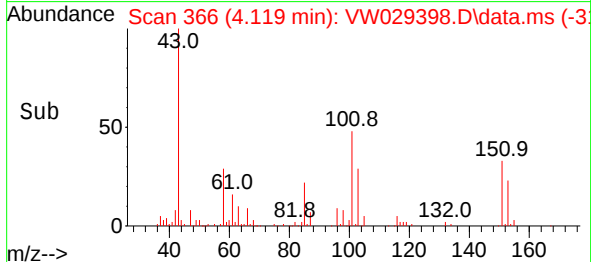
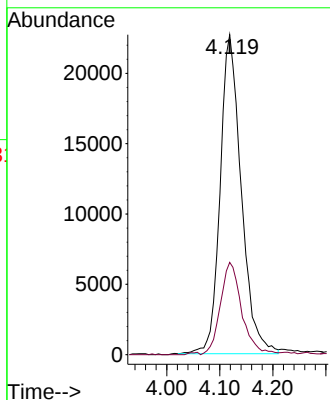
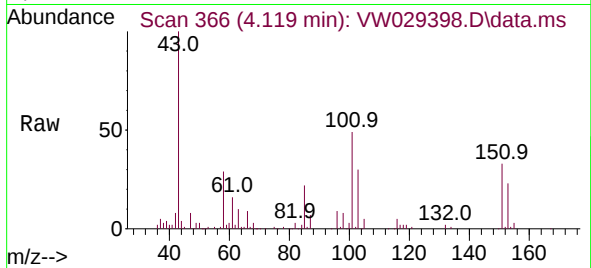




#13
Acetone
Concen: 41.802 ug/L
RT: 4.119 min Scan# 366
Delta R.T. -0.006 min
Lab File: VW029398.D
Acq: 28 Jun 2024 15:11

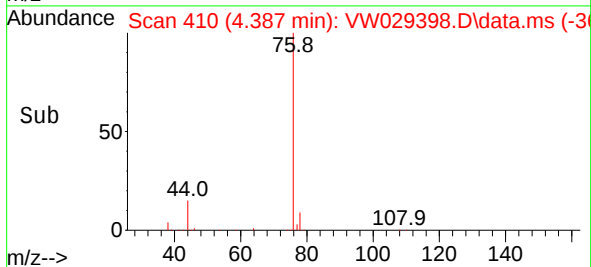
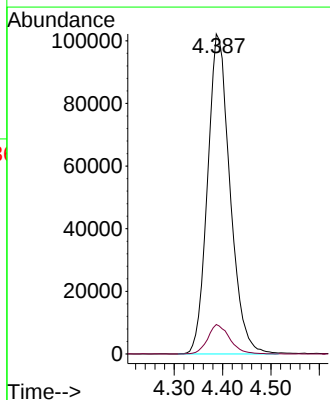
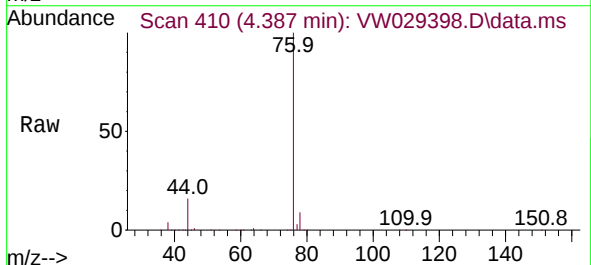
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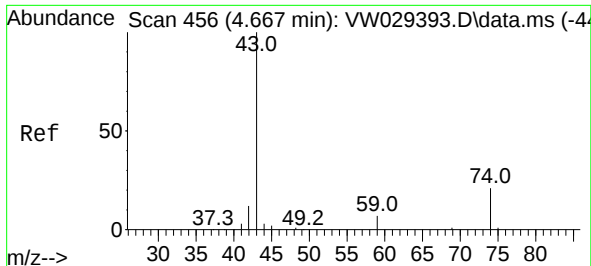
Tgt Ion: 43 Resp: 62703
Ion Ratio Lower Upper
43 100
58 29.3 0.0 61.4



#14
Carbon disulfide
Concen: 20.441 ug/L
RT: 4.387 min Scan# 410
Delta R.T. 0.000 min
Lab File: VW029398.D
Acq: 28 Jun 2024 15:11

Tgt Ion: 76 Resp: 329551
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8

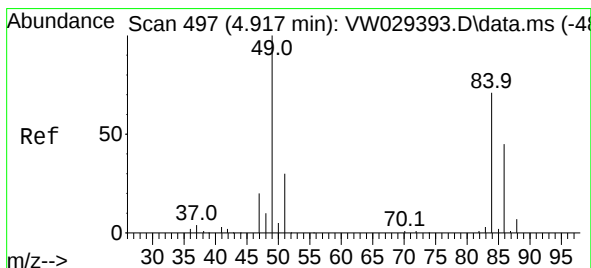
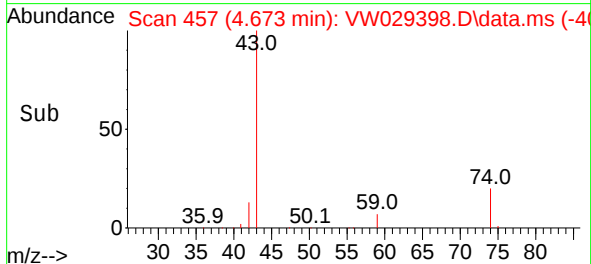
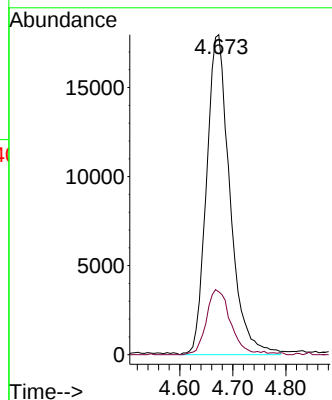
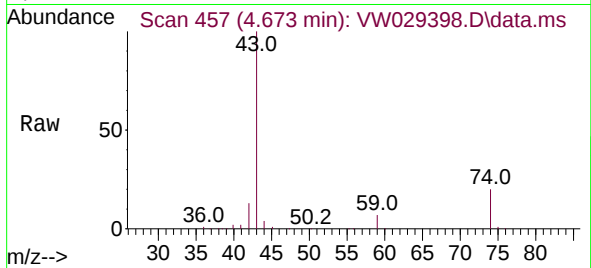




#15
Methyl Acetate
Concen: 18.493 ug/L
RT: 4.673 min Scan# 457
Delta R.T. 0.006 min
Lab File: VW029398.D
Acq: 28 Jun 2024 15:11

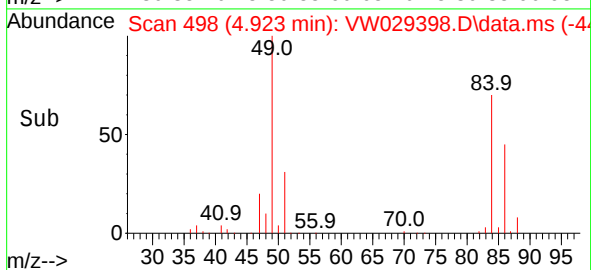
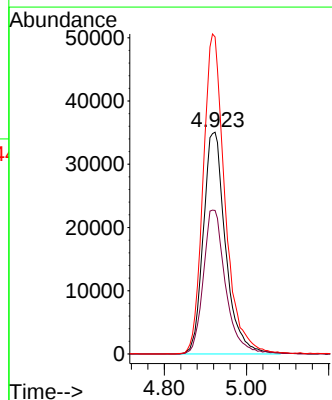
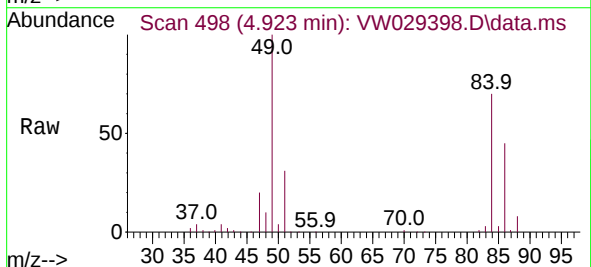
Instrument :
MSVOA_W
ClientSampleId :

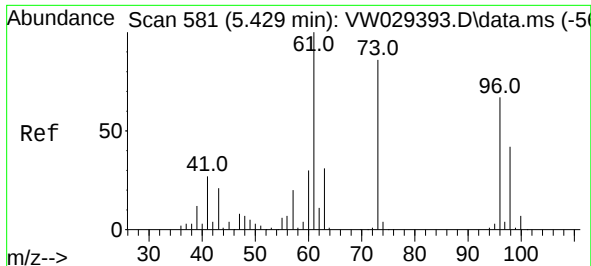
Tgt Ion: 43 Resp: 55069
Ion Ratio Lower Upper
43 100
74 20.7 16.6 25.0



#16
Methylene chloride
Concen: 17.556 ug/L
RT: 4.923 min Scan# 498
Delta R.T. 0.006 min
Lab File: VW029398.D
Acq: 28 Jun 2024 15:11

Tgt Ion: 84 Resp: 131580
Ion Ratio Lower Upper
84 100
86 64.7 41.4 77.0
49 143.0 95.7 177.7





#17

trans-1,2-Dichloroethene

Concen: 23.308 ug/L

RT: 5.435 min Scan# 581

Delta R.T. 0.006 min

Lab File: VW029398.D

Acq: 28 Jun 2024 15:11

Instrument :

MSVOA_W

ClientSampleId :

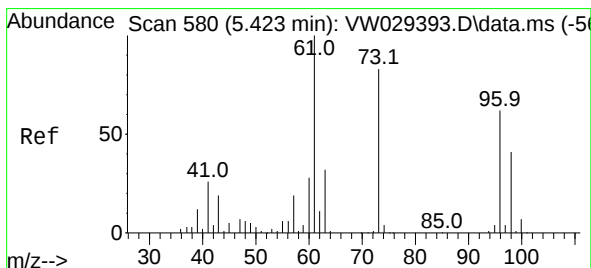
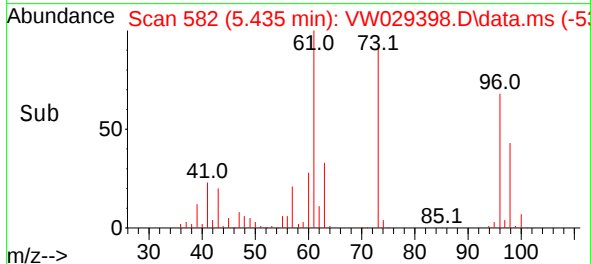
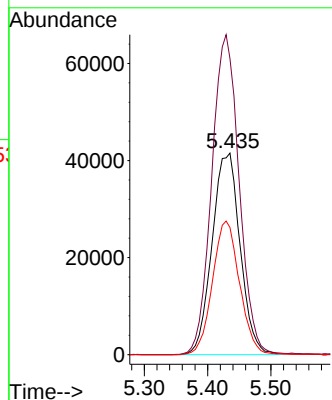
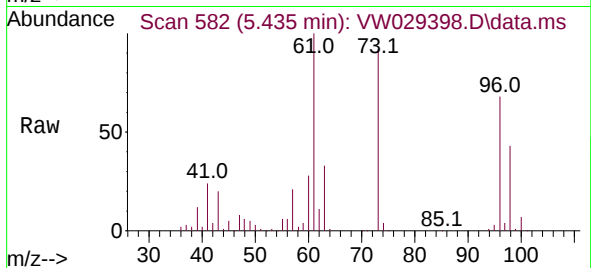
Tgt Ion: 96 Resp: 127837

Ion Ratio Lower Upper

96 100

61 147.0 101.5 188.5

98 63.2 43.3 80.3



#18

Methyl tert-butyl Ether

Concen: 23.282 ug/L

RT: 5.429 min Scan# 581

Delta R.T. 0.006 min

Lab File: VW029398.D

Acq: 28 Jun 2024 15:11

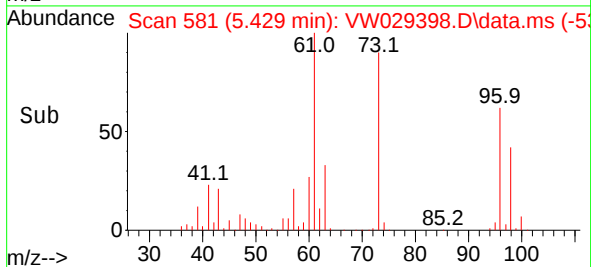
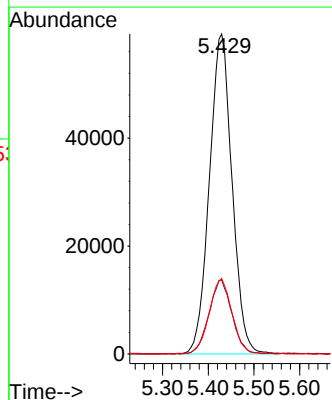
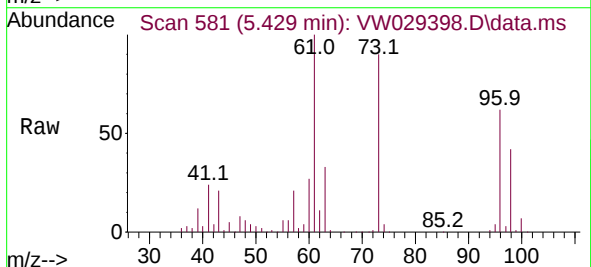
Tgt Ion: 73 Resp: 204305

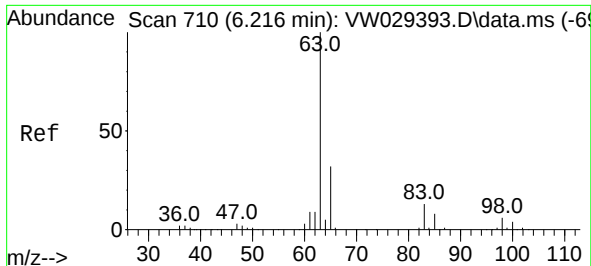
Ion Ratio Lower Upper

73 100

43 23.4 19.5 29.3

57 23.6 18.4 27.6

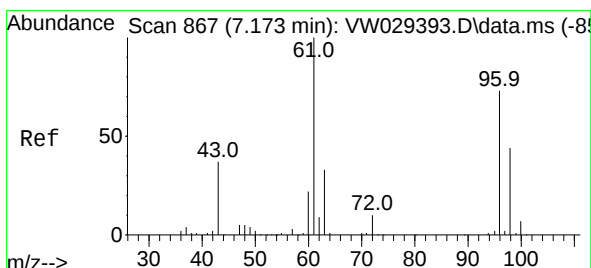
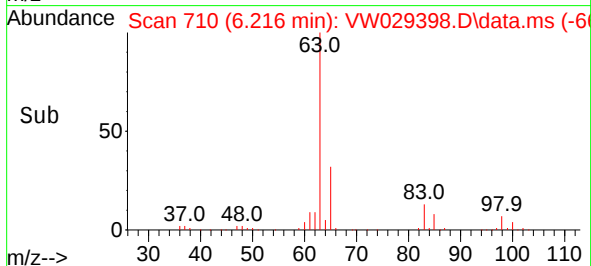
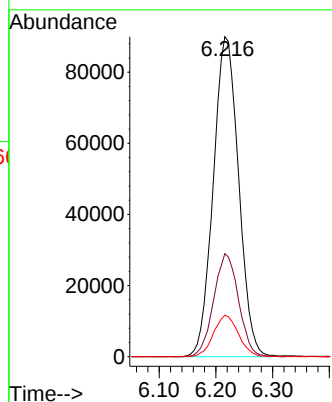
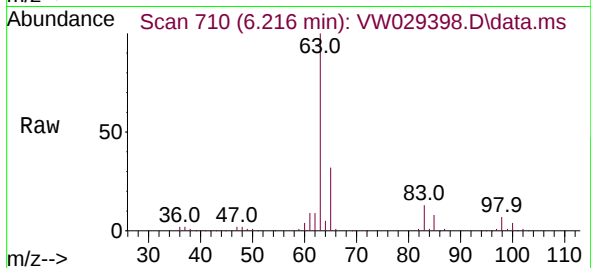




#19
1,1-Dichloroethane
Concen: 23.555 ug/L
RT: 6.216 min Scan# 710
Delta R.T. 0.000 min
Lab File: VW029398.D
Acq: 28 Jun 2024 15:11

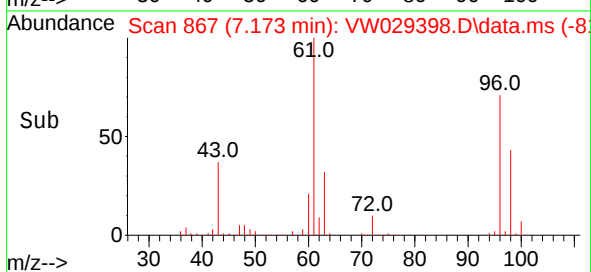
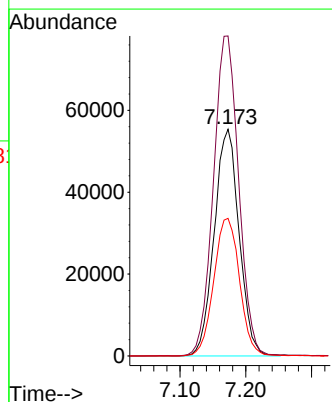
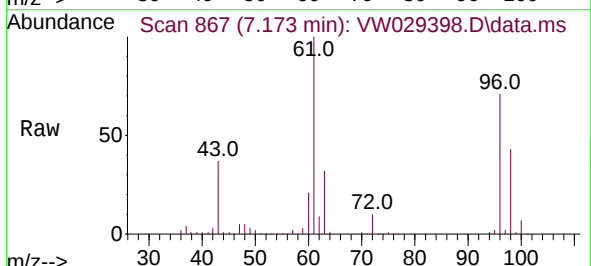
Instrument :
MSVOA_W
ClientSampleId :

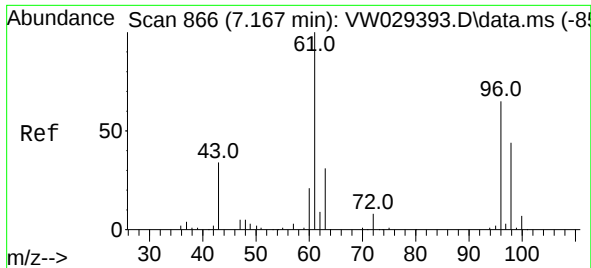
Tgt Ion: 63 Resp: 279027
Ion Ratio Lower Upper
63 100
65 32.2 23.4 43.4
83 12.9 8.9 16.5



#20
cis-1,2-Dichloroethene
Concen: 24.138 ug/L
RT: 7.173 min Scan# 867
Delta R.T. 0.000 min
Lab File: VW029398.D
Acq: 28 Jun 2024 15:11

Tgt Ion: 96 Resp: 145992
Ion Ratio Lower Upper
96 100
61 141.2 97.8 181.6
98 60.7 43.0 79.8





#22

2-Butanone

Concen: 40.088 ug/L

RT: 7.167 min Scan# 866

Delta R.T. 0.000 min

Lab File: VW029398.D

Acq: 28 Jun 2024 15:11

Instrument :

MSVOA_W

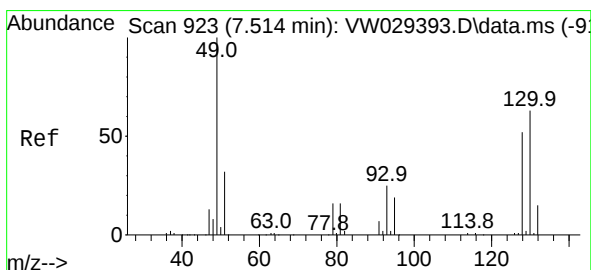
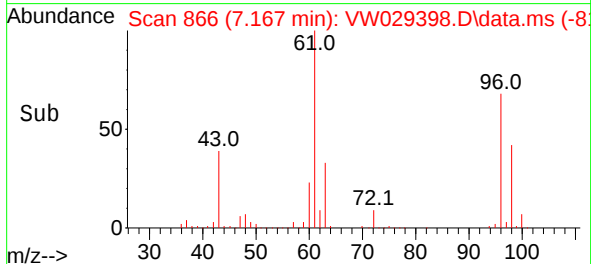
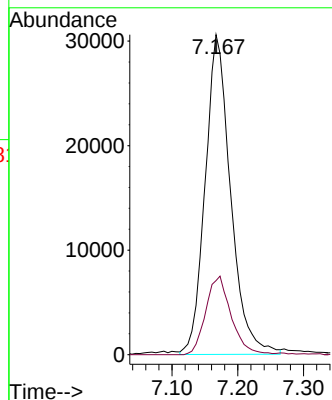
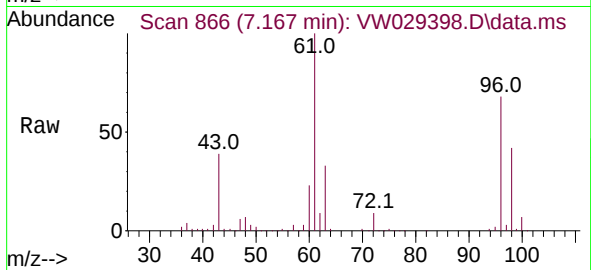
ClientSampleId :

Tgt Ion: 43 Resp: 82429

Ion Ratio Lower Upper

43 100

72 24.5 11.9 35.7



#23

Bromochloromethane

Concen: 21.272 ug/L

RT: 7.520 min Scan# 924

Delta R.T. 0.006 min

Lab File: VW029398.D

Acq: 28 Jun 2024 15:11

Tgt Ion: 128 Resp: 57274

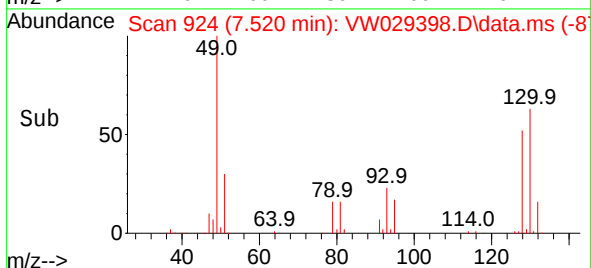
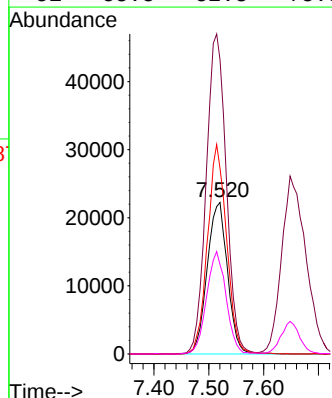
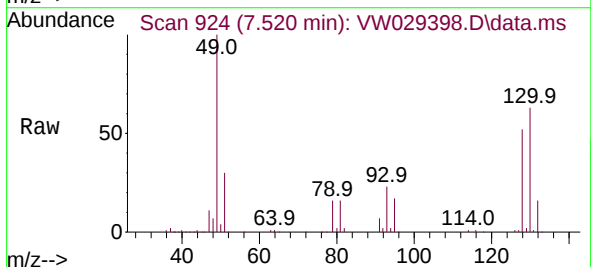
Ion Ratio Lower Upper

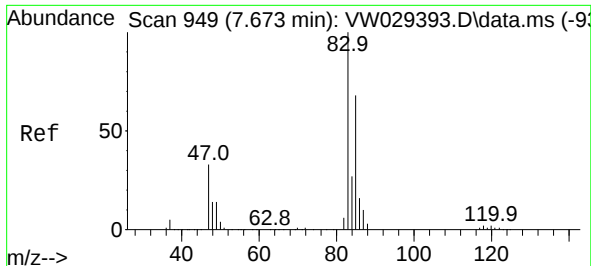
128 100

49 194.0 142.6 264.8

130 122.4 79.7 148.1

51 58.8 52.3 78.5





#25

Chloroform

Concen: 23.136 ug/L

RT: 7.679 min Scan# 949

Delta R.T. 0.006 min

Lab File: VW029398.D

Acq: 28 Jun 2024 15:11

Instrument :

MSVOA_W

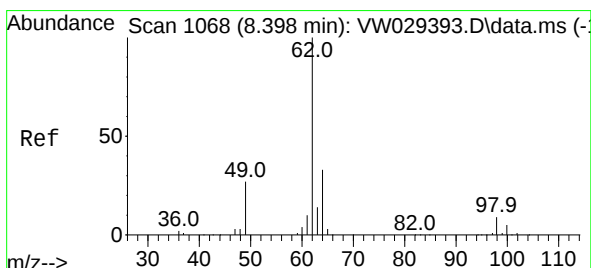
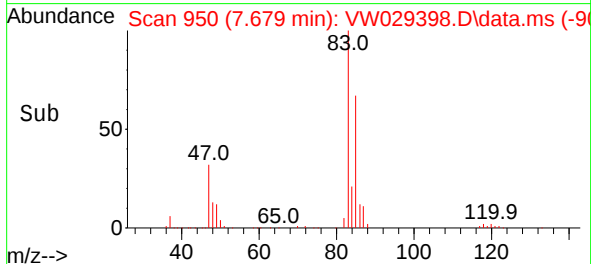
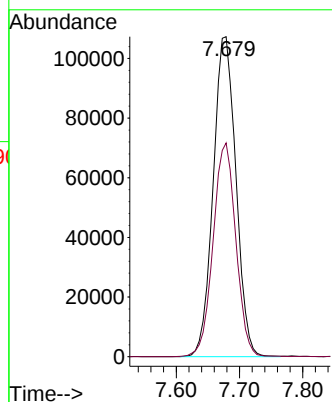
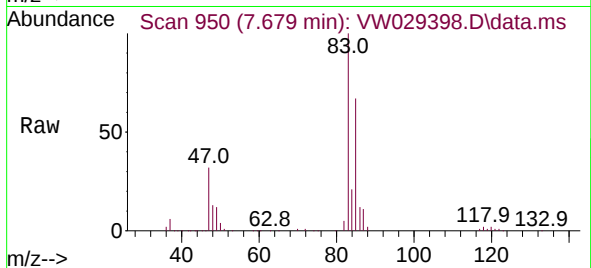
ClientSampleId :

Tgt Ion: 83 Resp: 267619

Ion Ratio Lower Upper

83 100

85 66.8 44.4 82.4



#27

1,2-Dichloroethane

Concen: 20.736 ug/L

RT: 8.398 min Scan# 1068

Delta R.T. 0.000 min

Lab File: VW029398.D

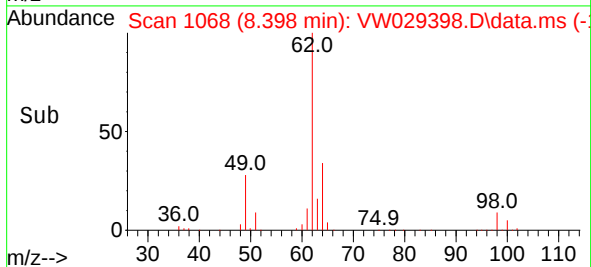
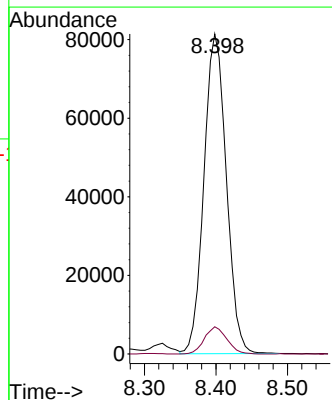
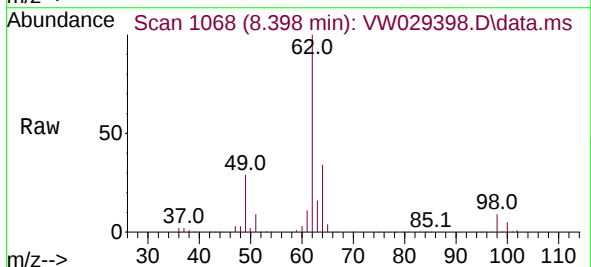
Acq: 28 Jun 2024 15:11

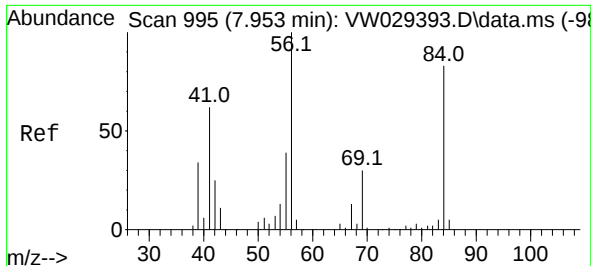
Tgt Ion: 62 Resp: 176907

Ion Ratio Lower Upper

62 100

98 8.5 6.6 10.0





#29

Cyclohexane

Concen: 24.707 ug/L

RT: 7.959 min Scan# 995

Delta R.T. 0.006 min

Lab File: VW029398.D

Acq: 28 Jun 2024 15:11

Instrument :

MSVOA_W

ClientSampleId :

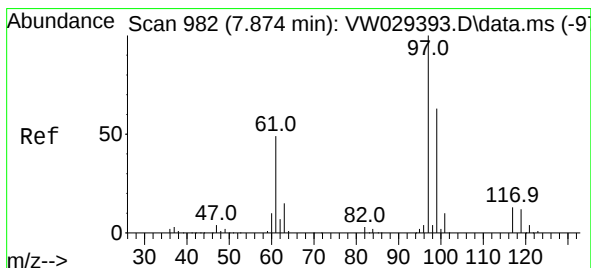
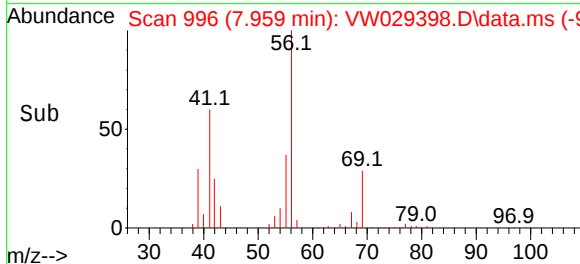
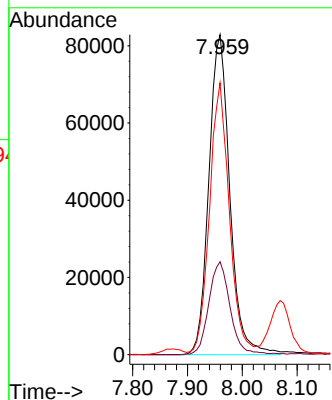
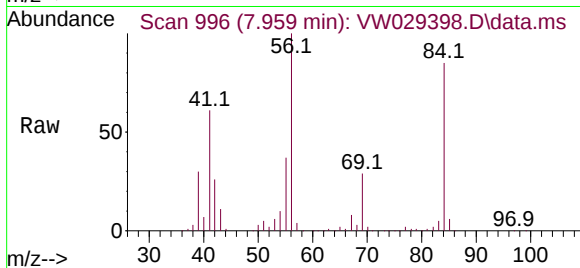
Tgt Ion: 56 Resp: 219987

Ion Ratio Lower Upper

56 100

69 29.3 23.4 35.0

84 80.0 64.5 96.7



#30

1,1,1-Trichloroethane

Concen: 25.460 ug/L

RT: 7.874 min Scan# 982

Delta R.T. 0.000 min

Lab File: VW029398.D

Acq: 28 Jun 2024 15:11

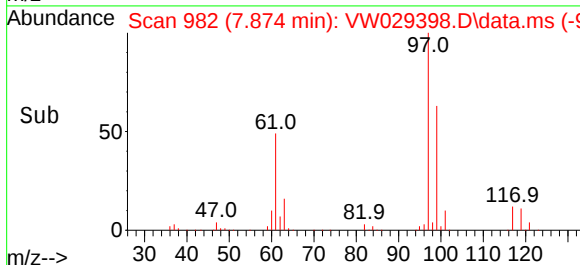
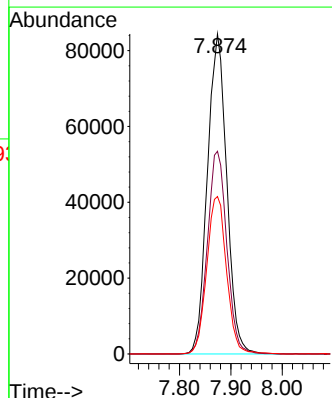
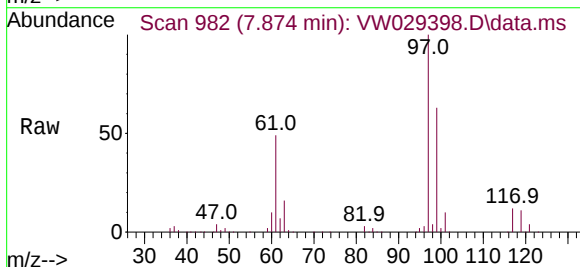
Tgt Ion: 97 Resp: 220500

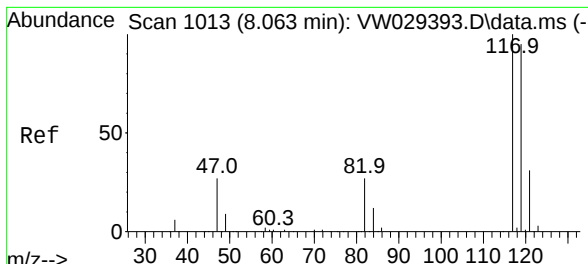
Ion Ratio Lower Upper

97 100

99 63.8 53.0 79.4

61 50.3 43.0 64.4

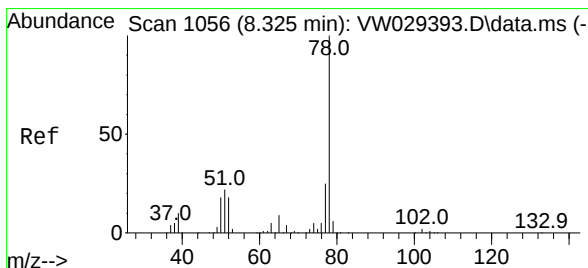
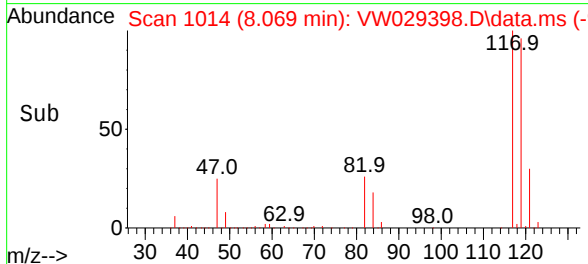
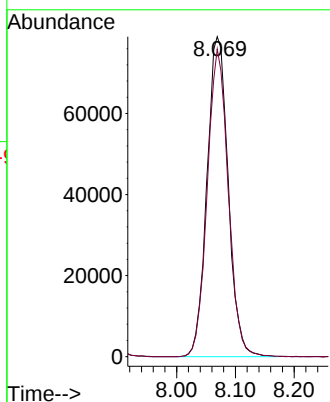
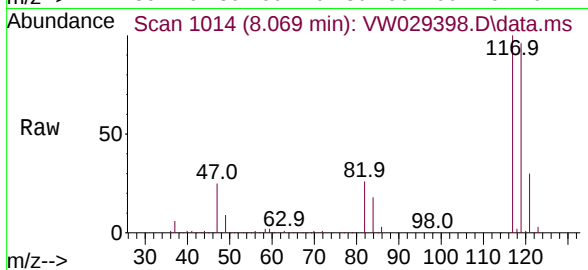




#31
Carbon tetrachloride
Concen: 25.038 ug/L
RT: 8.069 min Scan# 1013
Delta R.T. 0.006 min
Lab File: VW029398.D
Acq: 28 Jun 2024 15:11

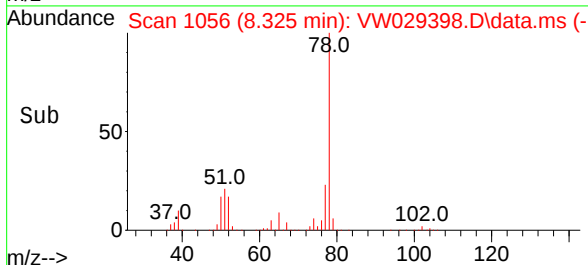
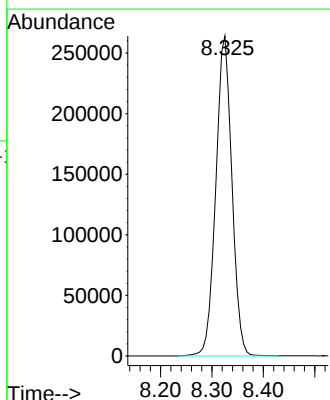
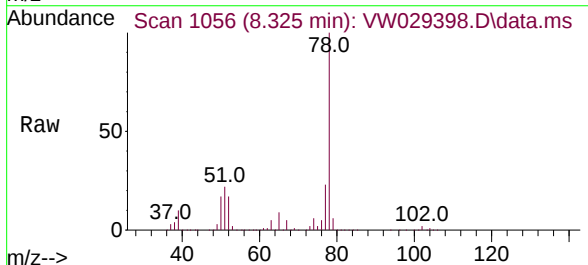
Instrument :
MSVOA_W
ClientSampleId :

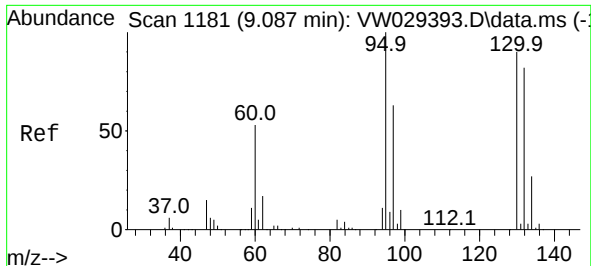
Tgt Ion:117 Resp: 198087
Ion Ratio Lower Upper
117 100
119 95.1 79.0 118.4



#33
Benzene
Concen: 24.537 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VW029398.D
Acq: 28 Jun 2024 15:11

Tgt Ion: 78 Resp: 574201





#34

Trichloroethene

Concen: 23.973 ug/L

RT: 9.093 min Scan# 1181

Delta R.T. 0.006 min

Lab File: VW029398.D

Acq: 28 Jun 2024 15:11

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 95 Resp: 149673

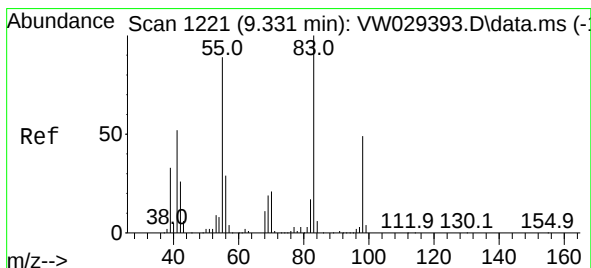
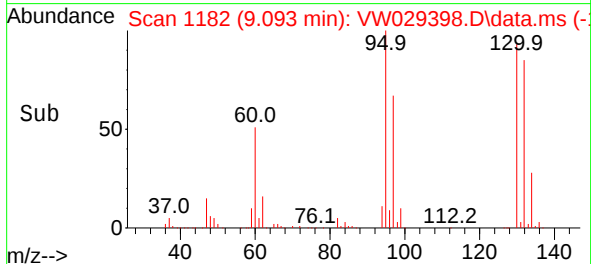
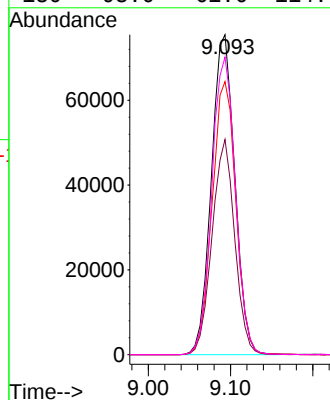
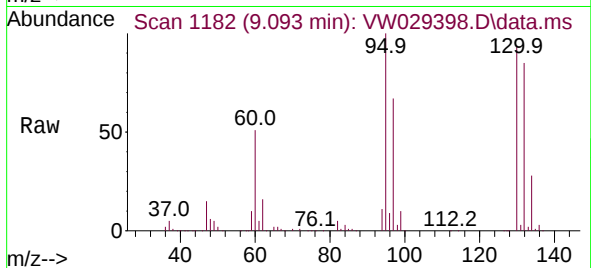
Ion Ratio Lower Upper

95 100

97 67.2 45.7 84.9

132 85.3 66.4 123.4

130 93.0 61.6 114.4



#35

Methylcyclohexane

Concen: 24.204 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. 0.000 min

Lab File: VW029398.D

Acq: 28 Jun 2024 15:11

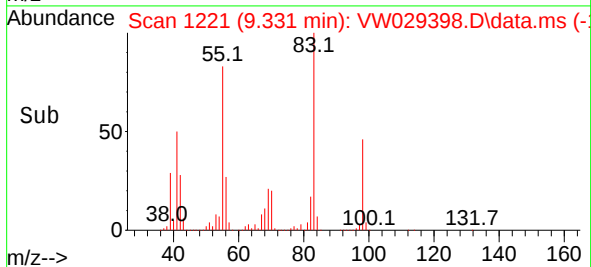
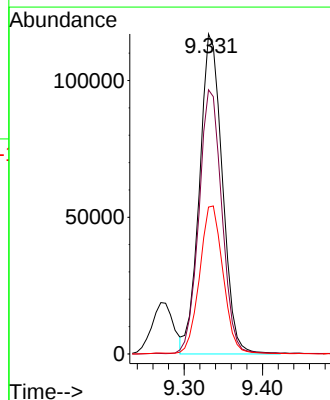
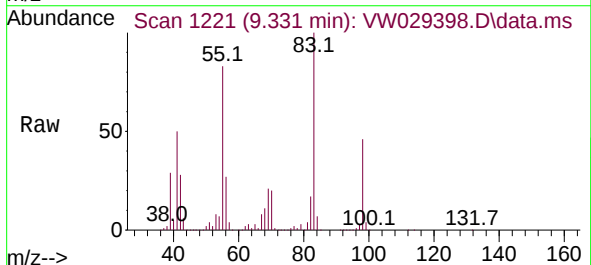
Tgt Ion: 83 Resp: 237658

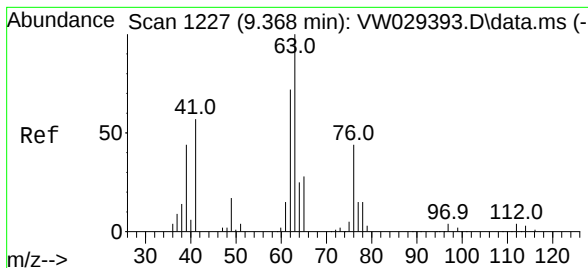
Ion Ratio Lower Upper

83 100

55 83.1 69.5 104.3

98 47.6 38.0 57.0





#37

1,2-Dichloropropane

Concen: 23.964 ug/L

RT: 9.368 min Scan# 1227

Delta R.T. 0.000 min

Lab File: VW029398.D

Acq: 28 Jun 2024 15:11

Instrument :

MSVOA_W

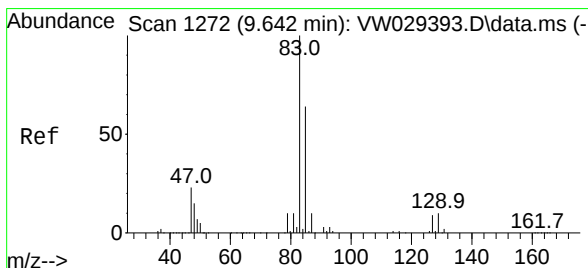
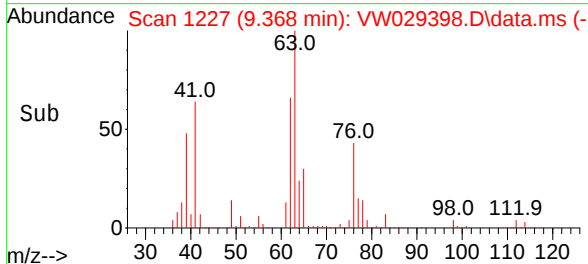
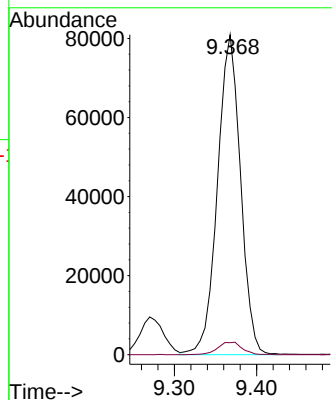
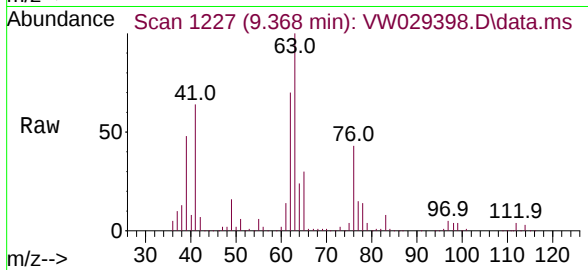
ClientSampleId :

Tgt Ion: 63 Resp: 157582

Ion Ratio Lower Upper

63 100

112 4.2 3.8 5.6



#38

Bromodichloromethane

Concen: 23.493 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW029398.D

Acq: 28 Jun 2024 15:11

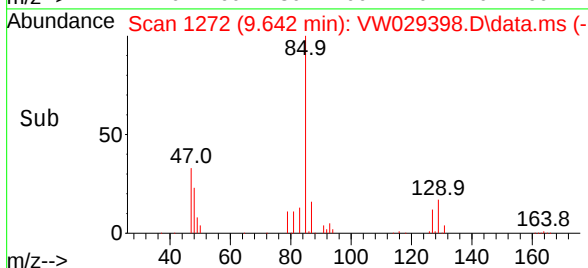
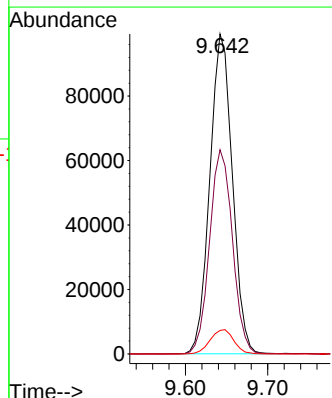
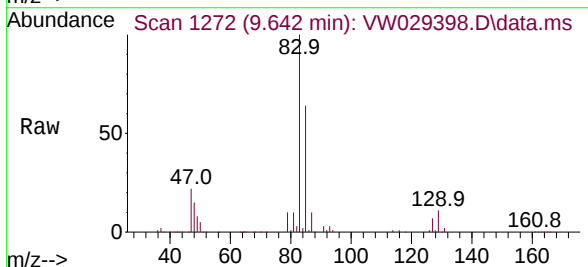
Tgt Ion: 83 Resp: 188881

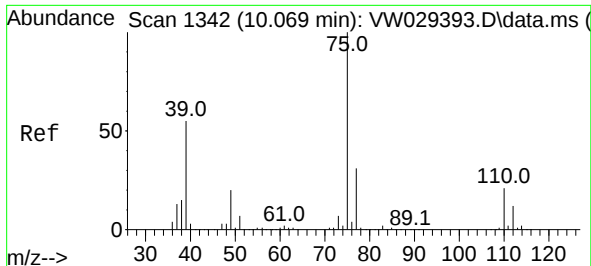
Ion Ratio Lower Upper

83 100

85 63.8 45.1 83.9

127 7.4 5.8 8.6

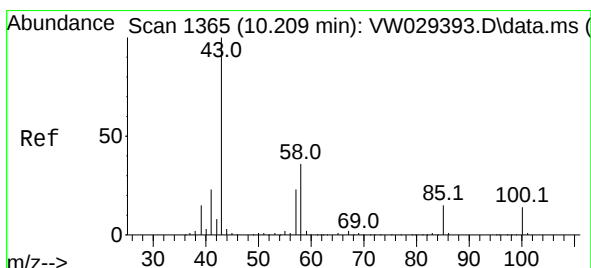
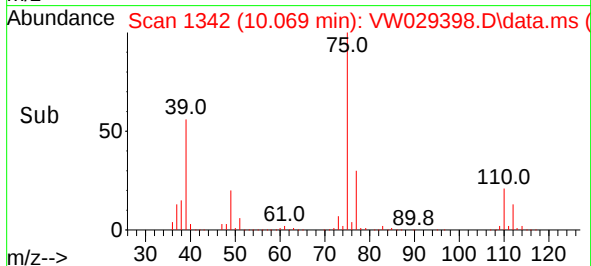
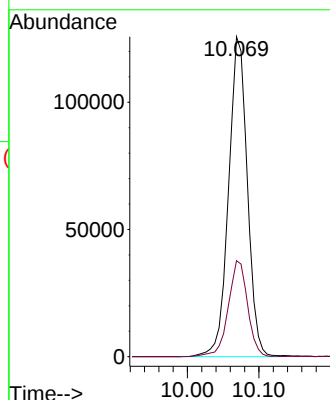
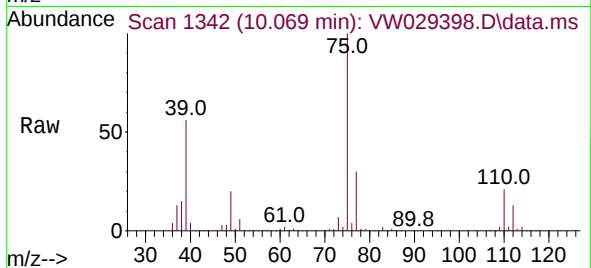




#39
cis-1,3-Dichloropropene
Concen: 24.649 ug/L
RT: 10.069 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VW029398.D
Acq: 28 Jun 2024 15:11

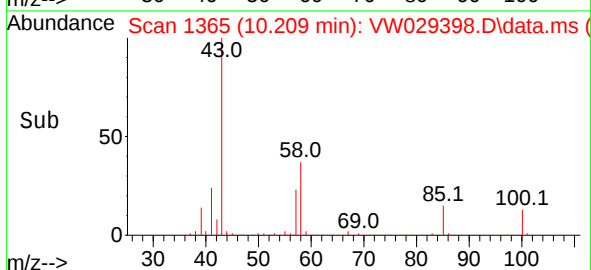
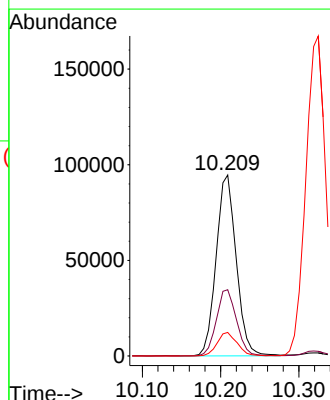
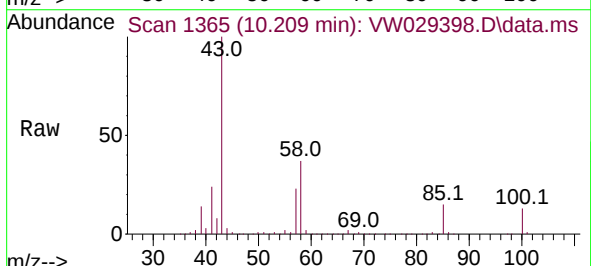
Instrument :
MSVOA_W
ClientSampleId :

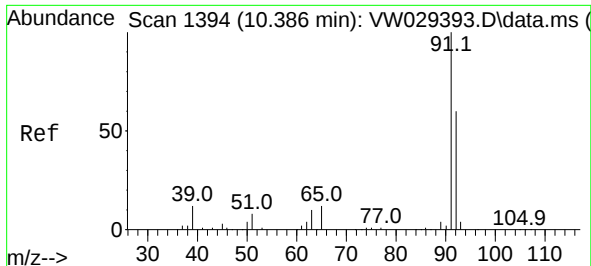
Tgt Ion: 75 Resp: 229124
Ion Ratio Lower Upper
75 100
77 30.0 22.7 42.1



#40
4-Methyl-2-pentanone
Concen: 41.418 ug/L
RT: 10.209 min Scan# 1365
Delta R.T. 0.000 min
Lab File: VW029398.D
Acq: 28 Jun 2024 15:11

Tgt Ion: 43 Resp: 168808
Ion Ratio Lower Upper
43 100
58 36.8 28.2 42.4
100 13.0 11.0 16.4





#42

Toluene

Concen: 24.549 ug/L

RT: 10.386 min Scan# 1394

Delta R.T. 0.000 min

Lab File: VW029398.D

Acq: 28 Jun 2024 15:11

Instrument :

MSVOA_W

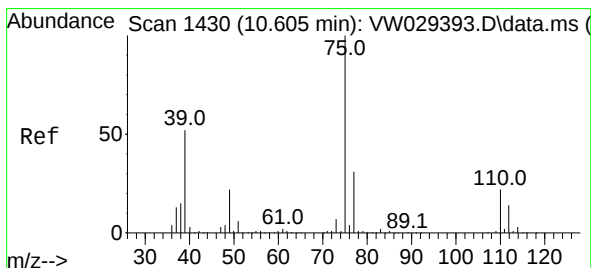
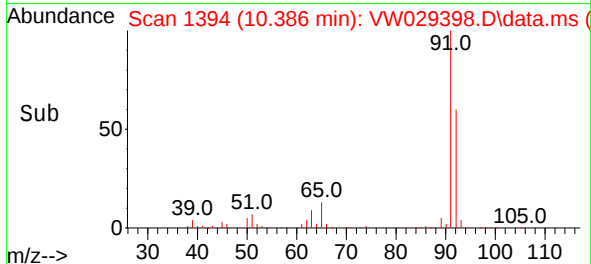
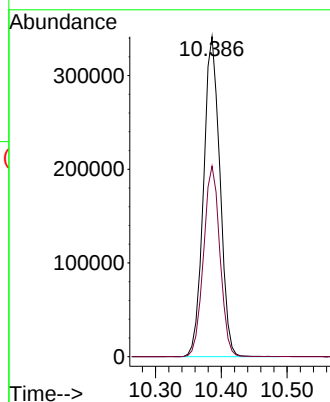
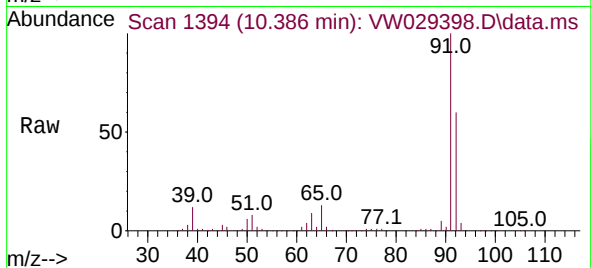
ClientSampleId :

Tgt Ion: 91 Resp: 590598

Ion Ratio Lower Upper

91 100

92 59.6 39.3 73.1



#44

trans-1,3-Dichloropropene

Concen: 23.854 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VW029398.D

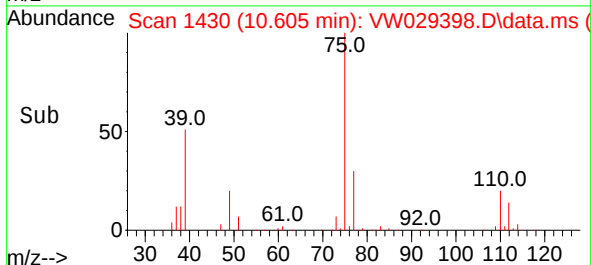
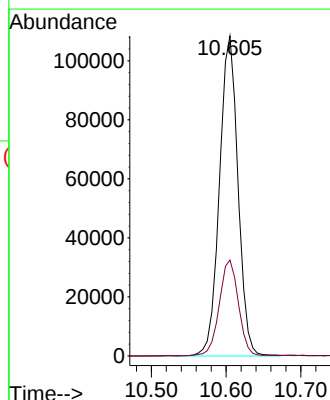
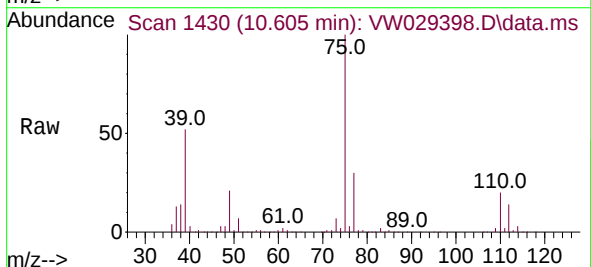
Acq: 28 Jun 2024 15:11

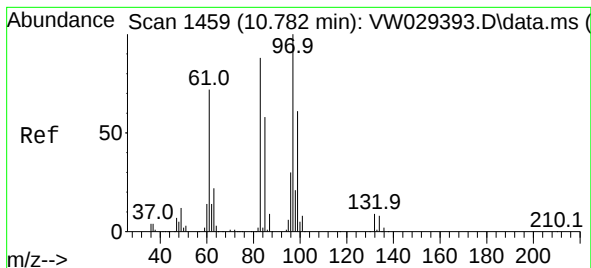
Tgt Ion: 75 Resp: 187222

Ion Ratio Lower Upper

75 100

77 30.0 22.7 42.1





#45

1,1,2-Trichloroethane

Concen: 21.564 ug/L

RT: 10.782 min Scan# 1459

Delta R.T. 0.000 min

Lab File: VW029398.D

Acq: 28 Jun 2024 15:11

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 97 Resp: 98760

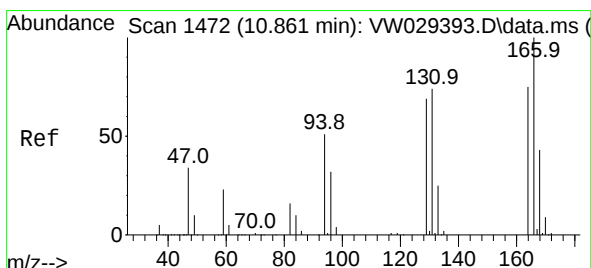
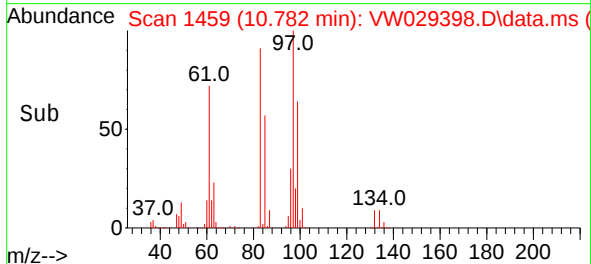
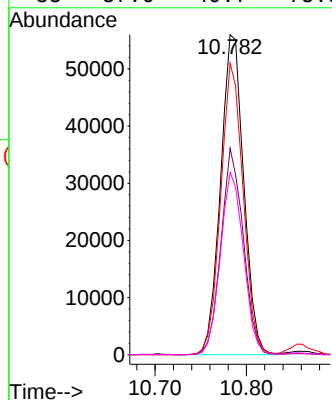
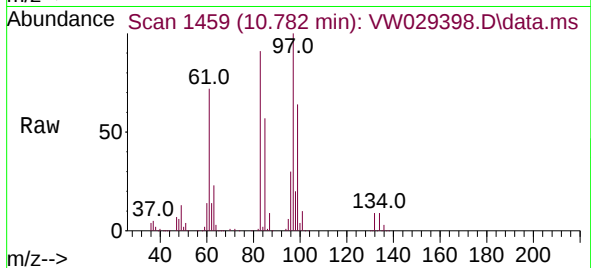
Ion Ratio Lower Upper

97 100

99 64.5 42.3 78.5

83 91.1 57.7 107.1

85 57.0 40.7 75.5



#46

Tetrachloroethene

Concen: 23.484 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VW029398.D

Acq: 28 Jun 2024 15:11

Tgt Ion:164 Resp: 102494

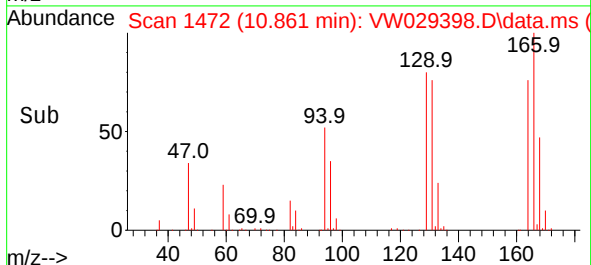
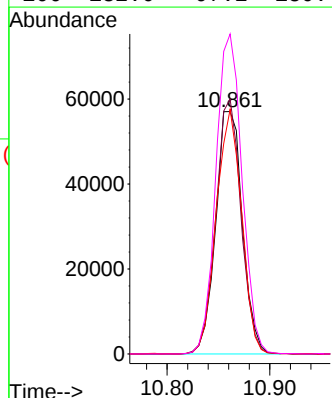
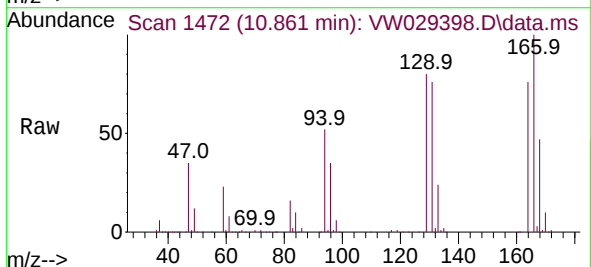
Ion Ratio Lower Upper

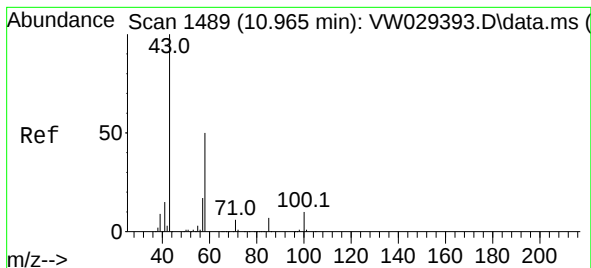
164 100

129 105.1 68.5 127.3

131 100.9 71.8 133.4

166 132.0 97.2 180.4





#48

2-Hexanone

Concen: 42.844 ug/L

RT: 10.965 min Scan# 1489

Delta R.T. 0.000 min

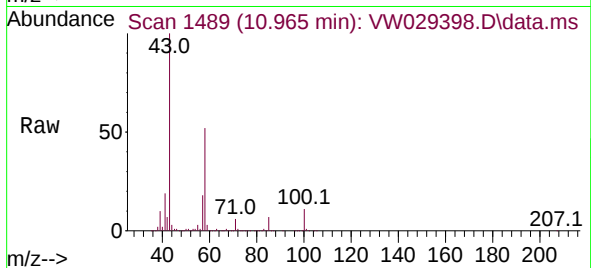
Lab File: VW029398.D

Acq: 28 Jun 2024 15:11

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 43 Resp: 123905

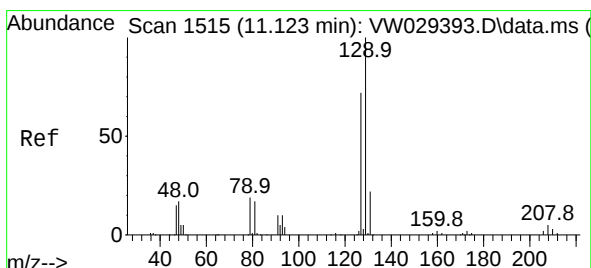
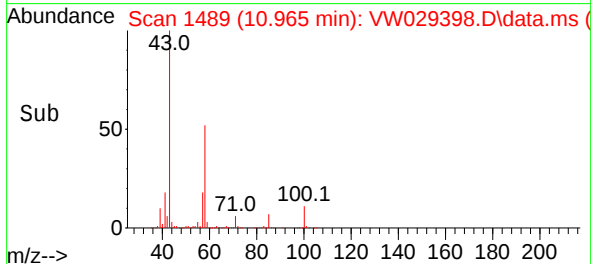
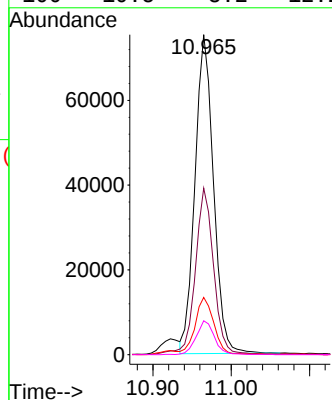
Ion Ratio Lower Upper

43 100

58 52.1 39.6 59.4

57 18.5 14.6 21.8

100 10.5 8.2 12.2



#49

Dibromochloromethane

Concen: 22.832 ug/L

RT: 11.130 min Scan# 1516

Delta R.T. 0.006 min

Lab File: VW029398.D

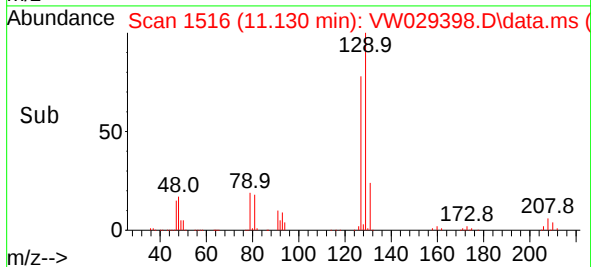
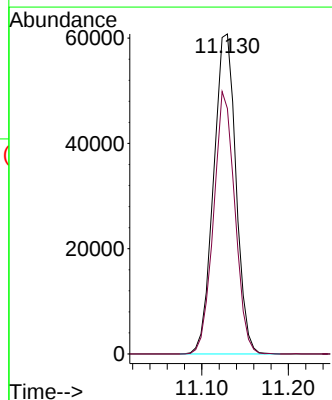
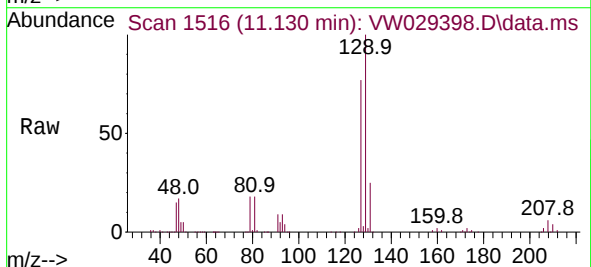
Acq: 28 Jun 2024 15:11

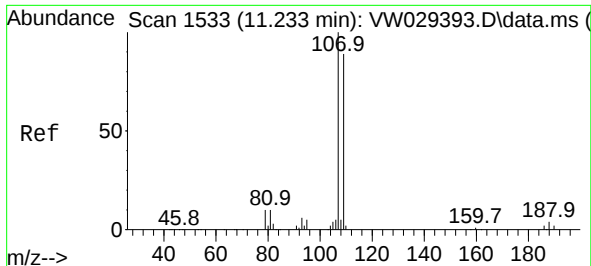
Tgt Ion:129 Resp: 109306

Ion Ratio Lower Upper

129 100

127 76.7 54.8 101.8





#50

1,2-Dibromoethane

Concen: 21.029 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. 0.000 min

Lab File: VW029398.D

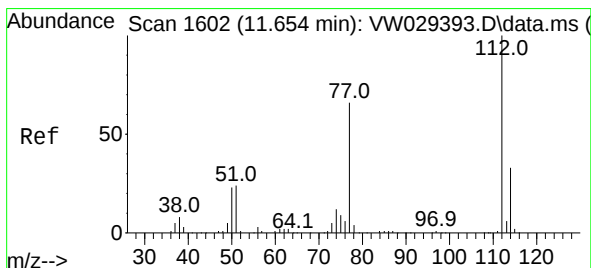
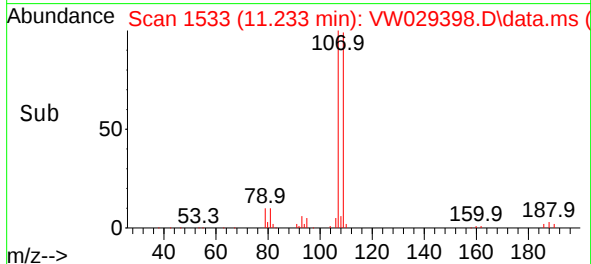
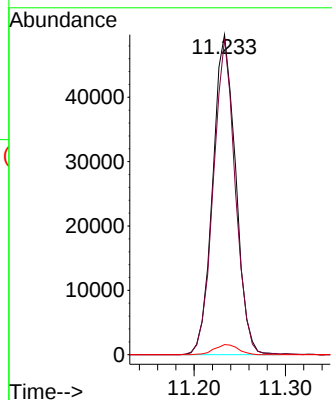
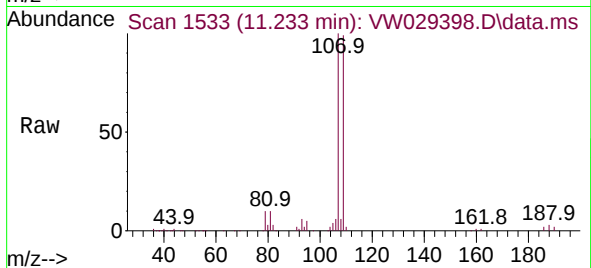
Acq: 28 Jun 2024 15:11

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	107	Resp:	86453
Ion Ratio	Lower	Upper	
107	100		
109	98.7	65.5	121.6
188	3.1	2.6	4.0



#51

Chlorobenzene

Concen: 24.082 ug/L

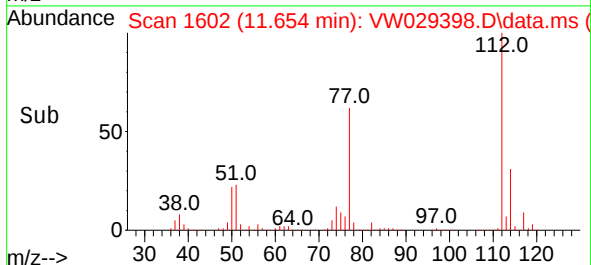
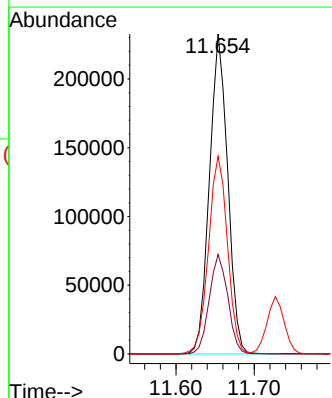
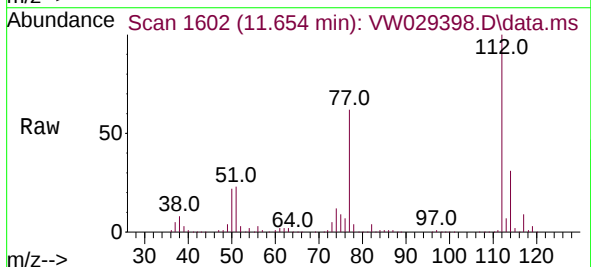
RT: 11.654 min Scan# 1602

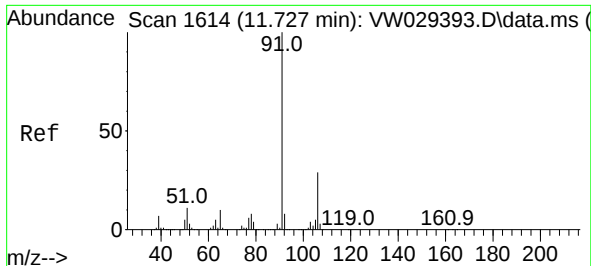
Delta R.T. 0.000 min

Lab File: VW029398.D

Acq: 28 Jun 2024 15:11

Tgt Ion:	112	Resp:	376220
Ion Ratio	Lower	Upper	
112	100		
114	31.1	22.6	42.0
77	61.7	51.0	76.6





#52

Ethylbenzene

Concen: 25.237 ug/L

RT: 11.727 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW029398.D

Acq: 28 Jun 2024 15:11

Instrument :

MSVOA_W

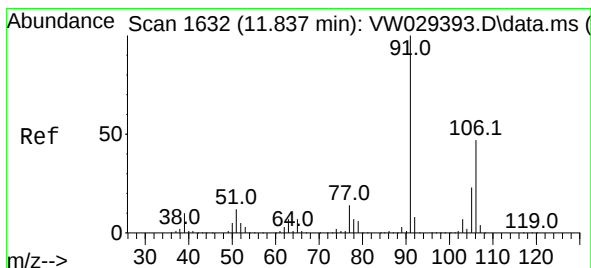
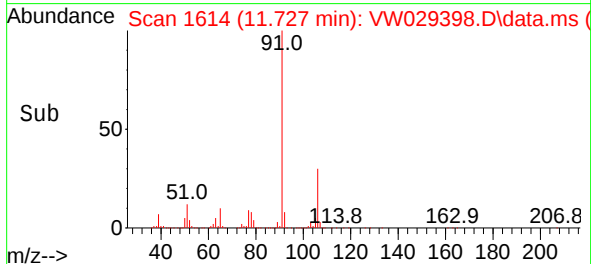
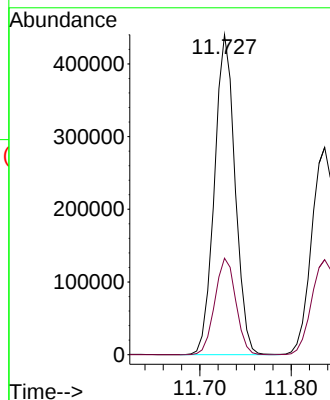
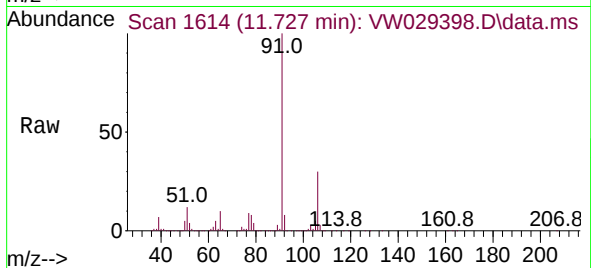
ClientSampleId :

Tgt Ion: 91 Resp: 689183

Ion Ratio Lower Upper

91 100

106 30.2 19.9 37.0



#53

m,p-Xylene

Concen: 24.926 ug/L

RT: 11.837 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VW029398.D

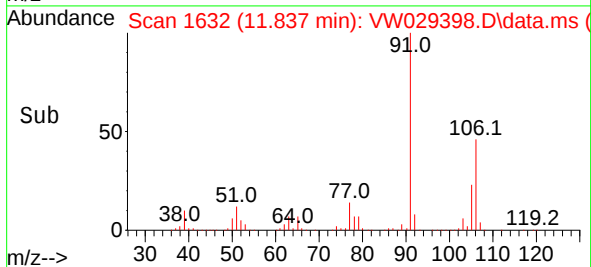
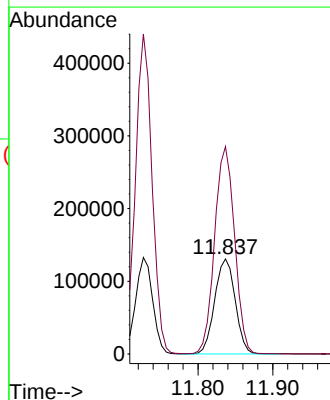
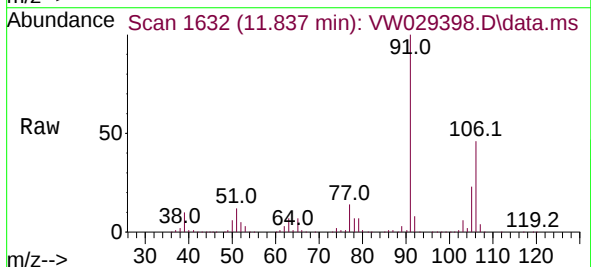
Acq: 28 Jun 2024 15:11

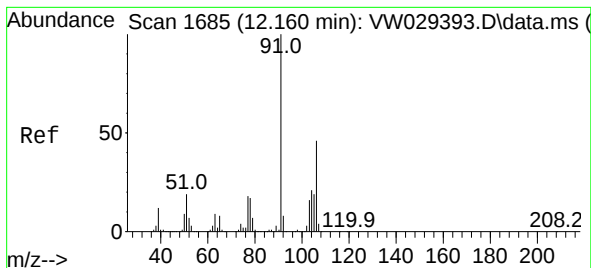
Tgt Ion:106 Resp: 248632

Ion Ratio Lower Upper

106 100

91 218.4 140.5 260.9





#54

o-Xylene

Concen: 26.259 ug/L

RT: 12.160 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW029398.D

Acq: 28 Jun 2024 15:11

Instrument :

MSVOA_W

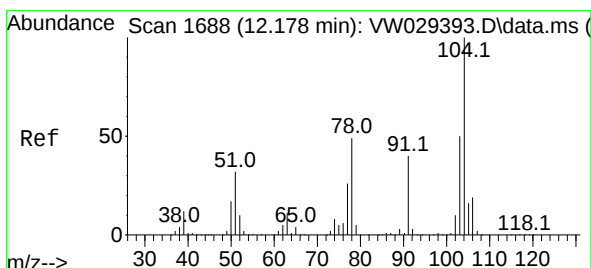
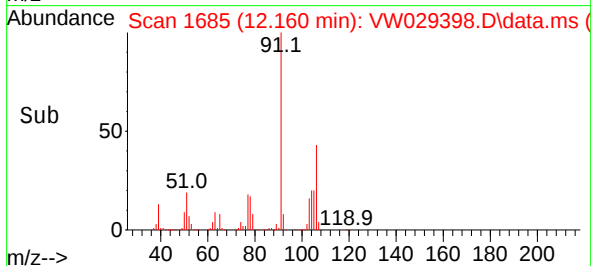
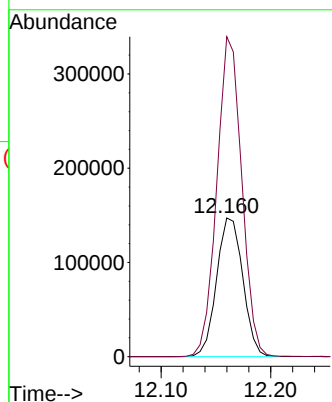
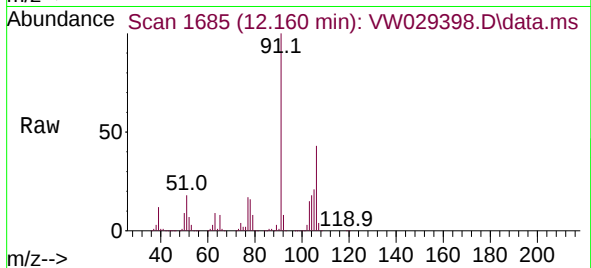
ClientSampleId :

Tgt Ion:106 Resp: 244800

Ion Ratio Lower Upper

106 100

91 230.7 149.9 278.5



#55

Styrene

Concen: 25.236 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW029398.D

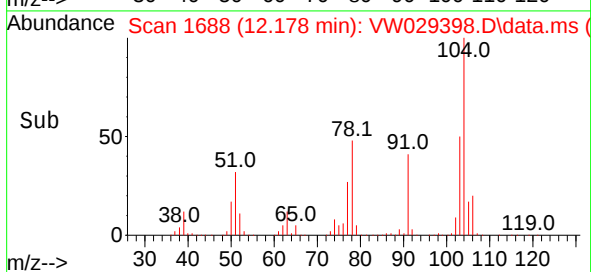
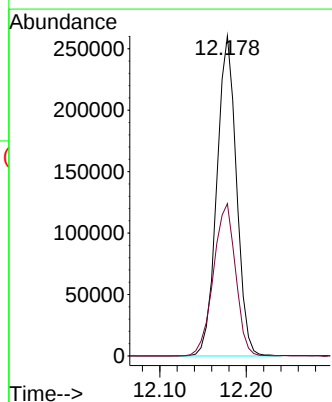
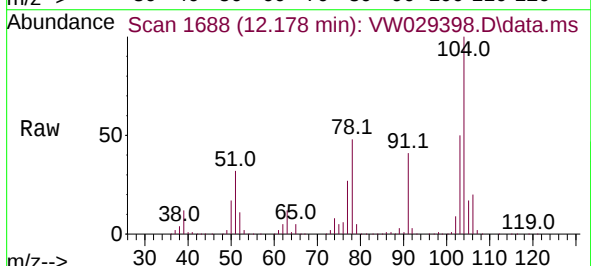
Acq: 28 Jun 2024 15:11

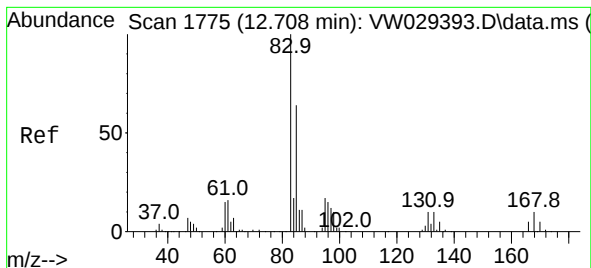
Tgt Ion:104 Resp: 410197

Ion Ratio Lower Upper

104 100

78 47.6 35.4 65.7

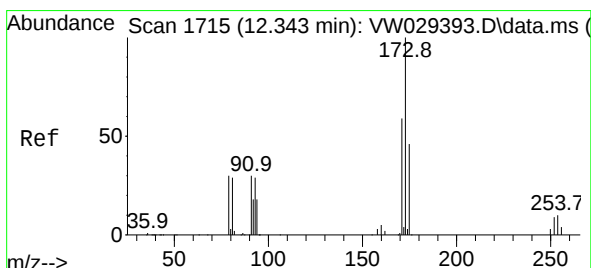
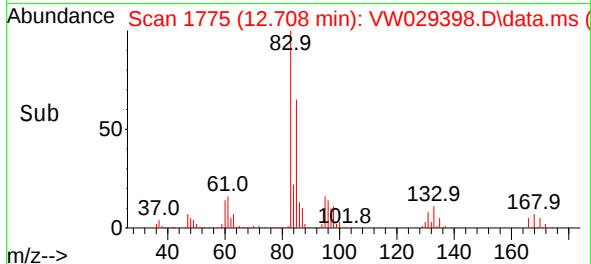
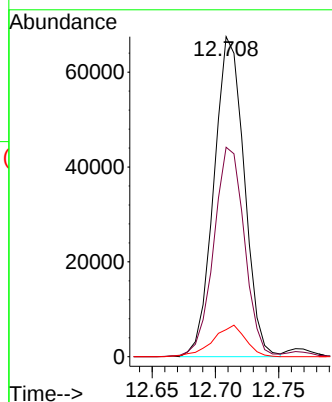
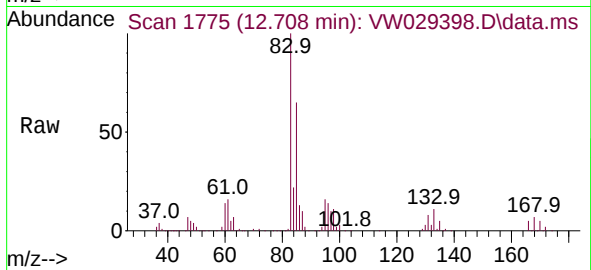




#57
1,1,2,2-Tetrachloroethane
Concen: 19.819 ug/L
RT: 12.708 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VW029398.D
Acq: 28 Jun 2024 15:11

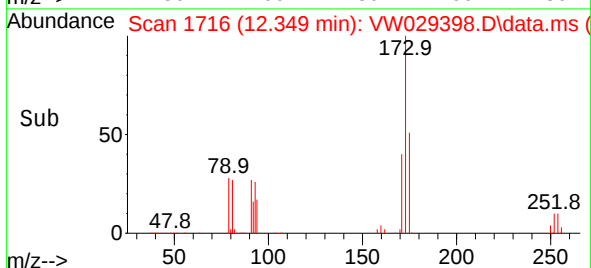
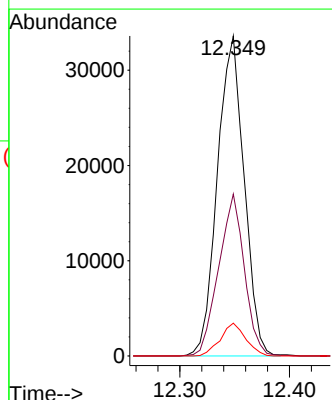
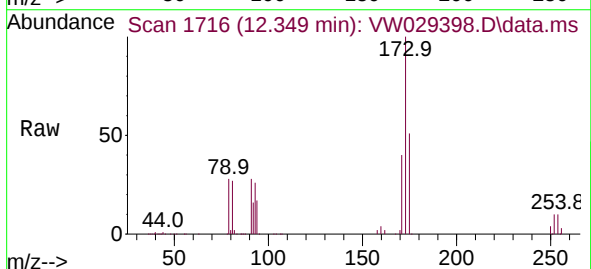
Instrument :
MSVOA_W
ClientSampleId :

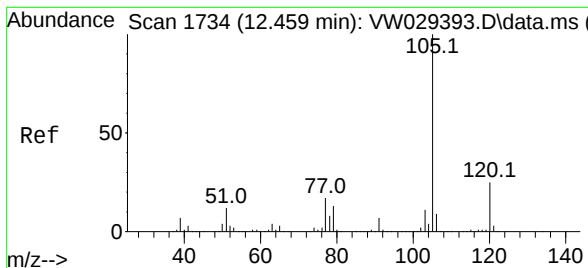
Tgt Ion: 83 Resp: 112277
Ion Ratio Lower Upper
83 100
85 65.4 45.8 85.0
131 8.5 7.8 11.6



#59
Bromoform
Concen: 22.558 ug/L
RT: 12.349 min Scan# 1716
Delta R.T. 0.006 min
Lab File: VW029398.D
Acq: 28 Jun 2024 15:11

Tgt Ion:173 Resp: 56956
Ion Ratio Lower Upper
173 100
175 48.6 37.8 56.8
254 9.7 7.8 11.6





#60

Isopropylbenzene

Concen: 27.441 ug/L

RT: 12.459 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW029398.D

Acq: 28 Jun 2024 15:11

Instrument :

MSVOA_W

ClientSampleId :

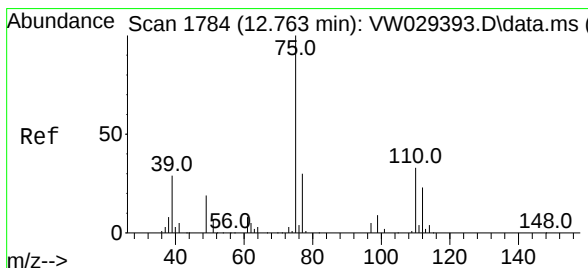
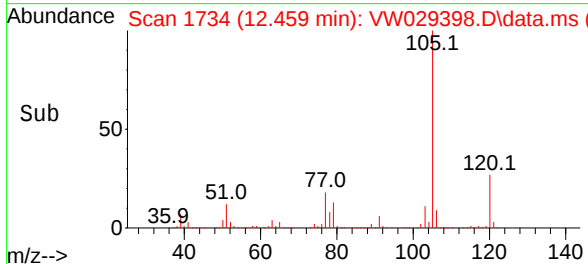
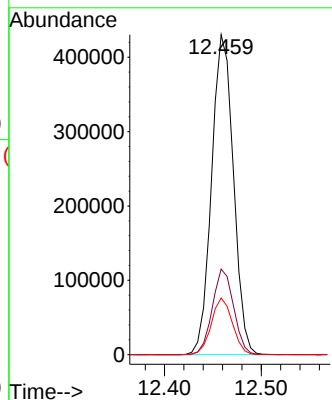
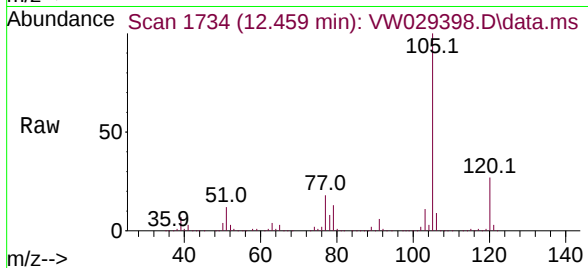
Tgt Ion:105 Resp: 673571

Ion Ratio Lower Upper

105 100

120 26.1 20.5 30.7

77 17.1 13.6 20.4



#61

1,2,3-Trichloropropane

Concen: 20.629 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VW029398.D

Acq: 28 Jun 2024 15:11

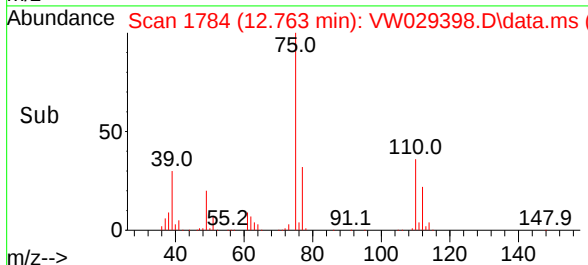
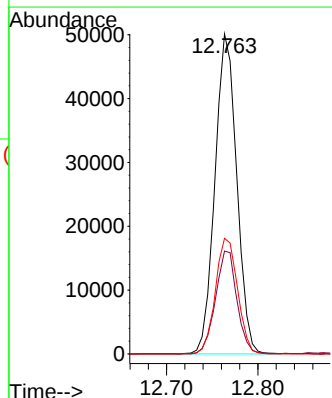
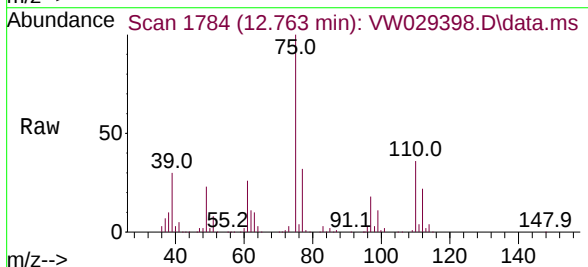
Tgt Ion: 75 Resp: 82888

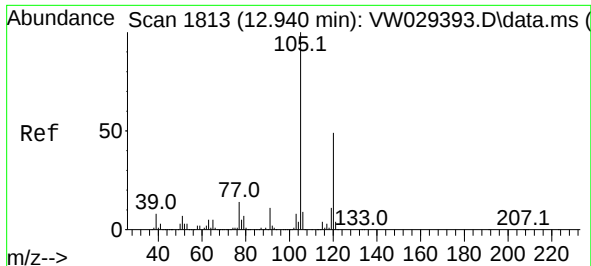
Ion Ratio Lower Upper

75 100

77 31.7 26.6 39.8

110 36.8 29.5 44.3





#62

1,3,5-Trimethylbenzene

Concen: 27.663 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW029398.D

Acq: 28 Jun 2024 15:11

Instrument :

MSVOA_W

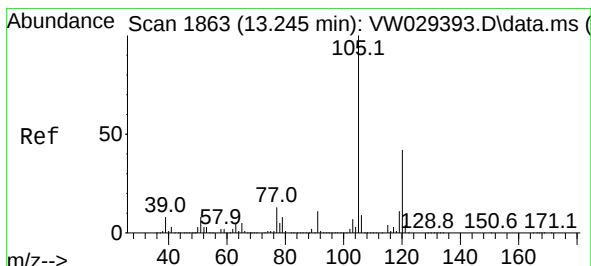
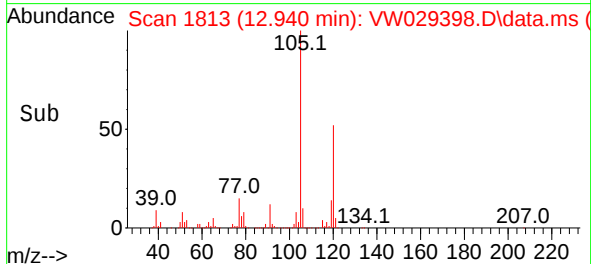
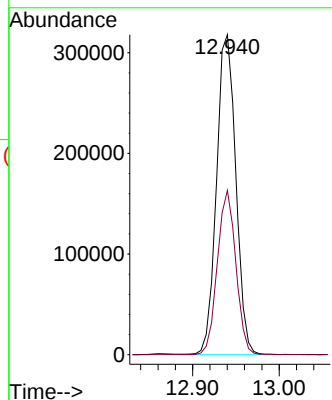
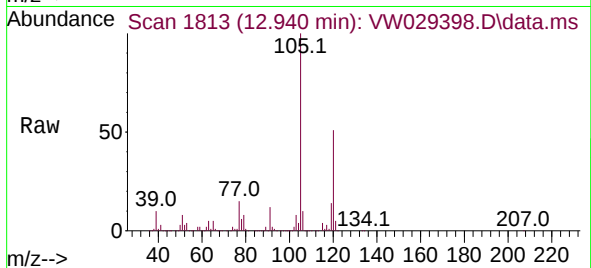
ClientSampleId :

Tgt Ion:105 Resp: 491770

Ion Ratio Lower Upper

105 100

120 49.3 36.4 54.6



#63

1,2,4-Trimethylbenzene

Concen: 28.648 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. 0.000 min

Lab File: VW029398.D

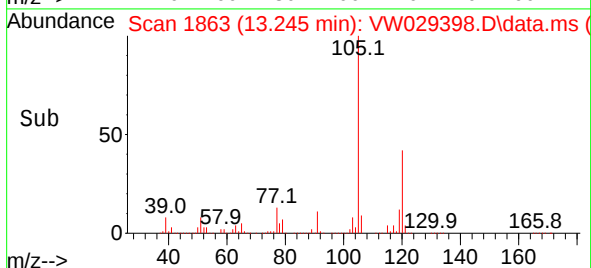
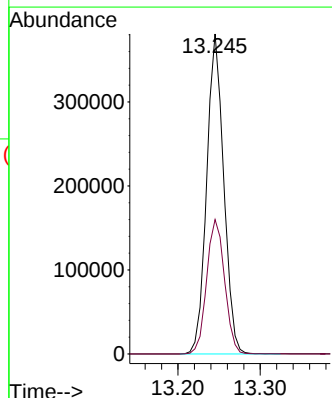
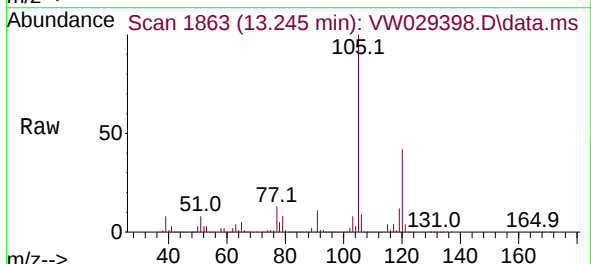
Acq: 28 Jun 2024 15:11

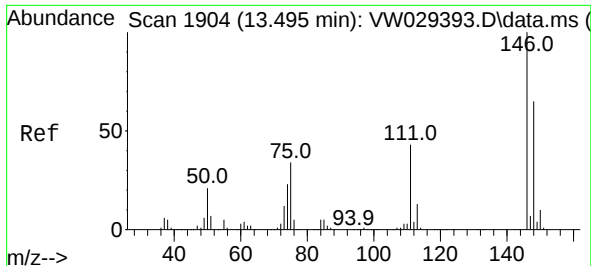
Tgt Ion:105 Resp: 547949

Ion Ratio Lower Upper

105 100

120 44.2 34.9 52.3





#64

1,3-Dichlorobenzene

Concen: 25.449 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW029398.D

Acq: 28 Jun 2024 15:11

Instrument :

MSVOA_W

ClientSampleId :

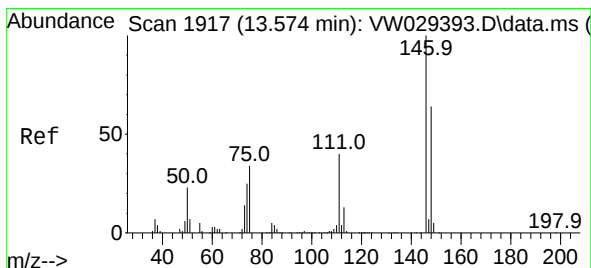
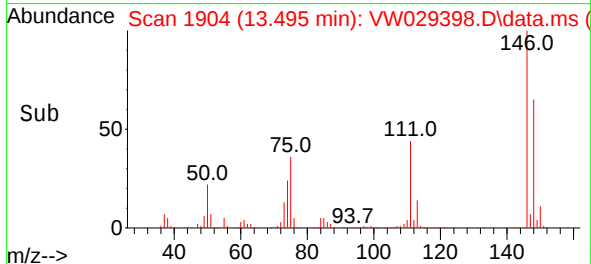
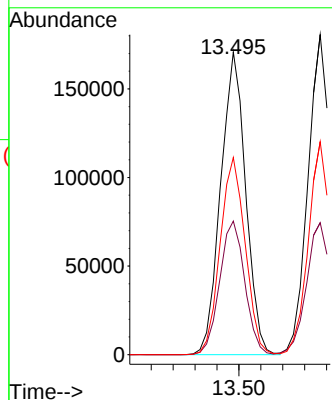
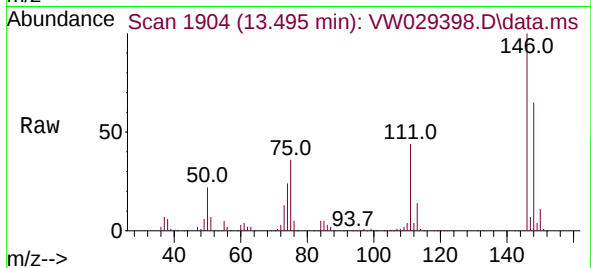
Tgt Ion:146 Resp: 270331

Ion Ratio Lower Upper

146 100

111 44.1 33.0 61.2

148 65.1 47.5 88.1



#65

1,4-Dichlorobenzene

Concen: 24.340 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW029398.D

Acq: 28 Jun 2024 15:11

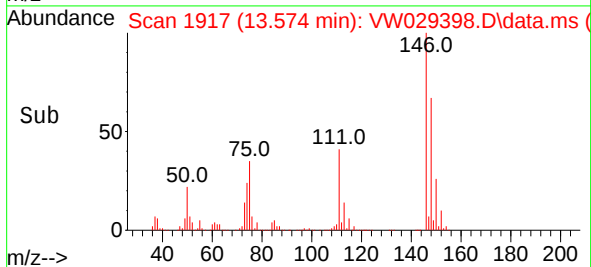
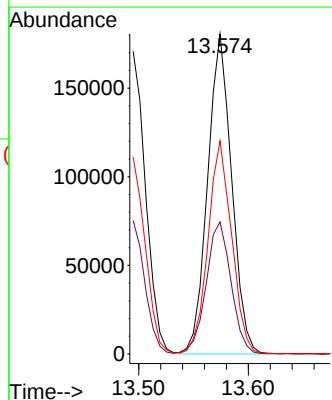
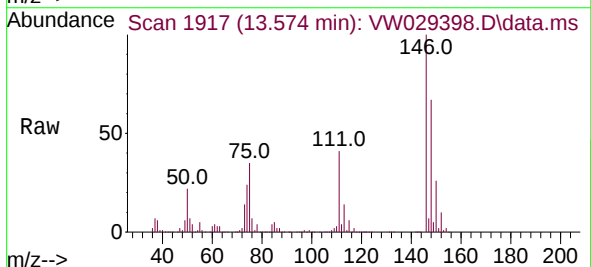
Tgt Ion:146 Resp: 275094

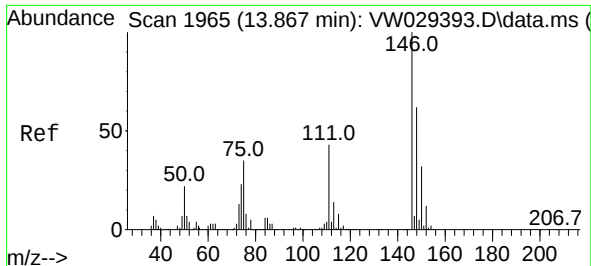
Ion Ratio Lower Upper

146 100

111 41.2 28.9 53.7

148 66.5 42.0 78.0





#67

1,2-Dichlorobenzene

Concen: 24.284 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW029398.D

Acq: 28 Jun 2024 15:11

Instrument :

MSVOA_W

ClientSampleId :

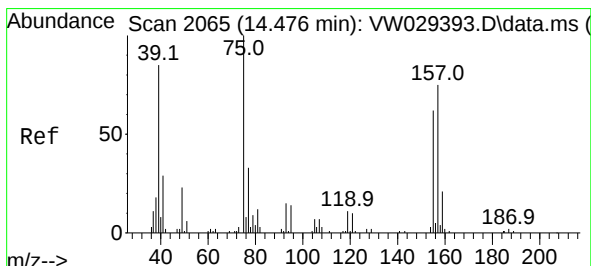
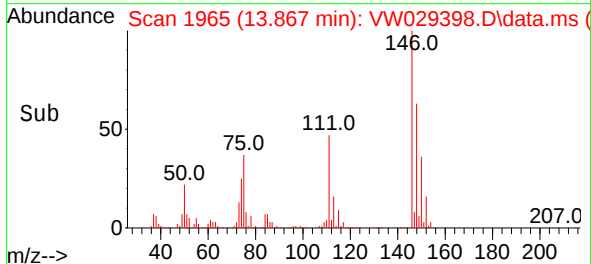
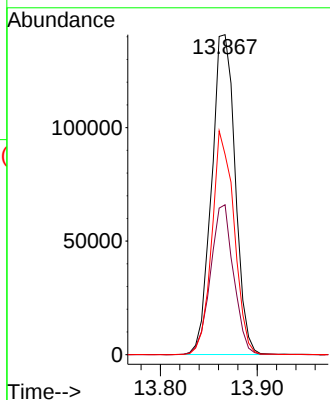
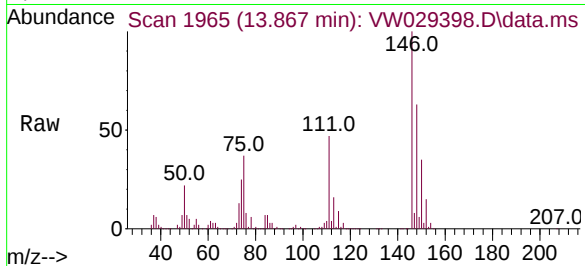
Tgt Ion:146 Resp: 238477

Ion Ratio Lower Upper

146 100

111 46.8 34.2 51.4

148 62.6 46.3 69.5



#68

1,2-Dibromo-3-chloropropane

Concen: 18.851 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. 0.000 min

Lab File: VW029398.D

Acq: 28 Jun 2024 15:11

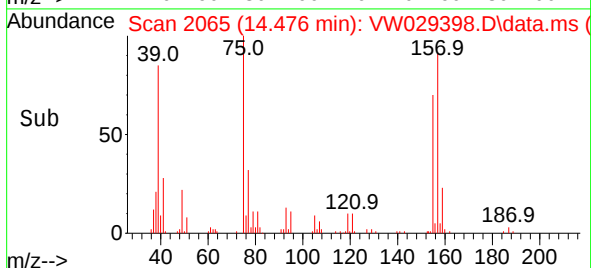
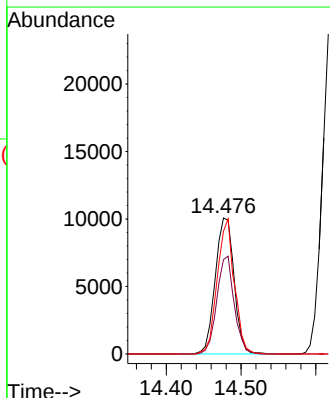
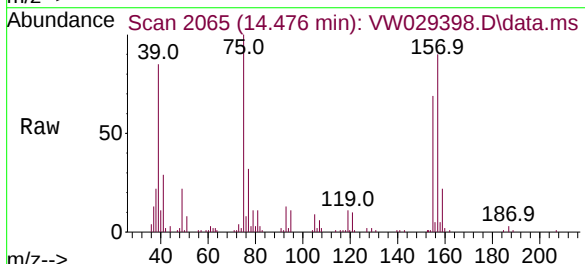
Tgt Ion: 75 Resp: 17676

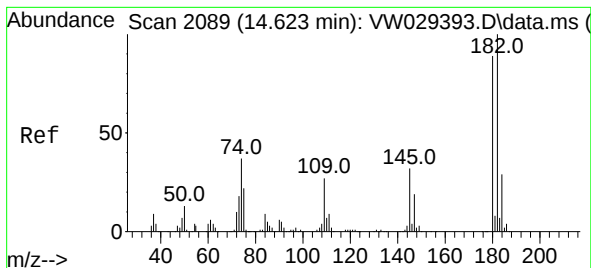
Ion Ratio Lower Upper

75 100

155 69.5 51.0 76.6

157 90.3 58.8 88.2#





#69

1,3,5-Trichlorobenzene

Concen: 25.027 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

Lab File: VW029398.D

Acq: 28 Jun 2024 15:11

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:180 Resp: 179418

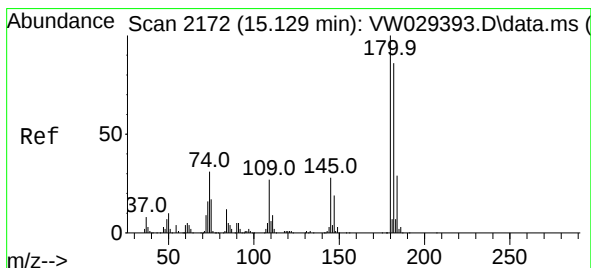
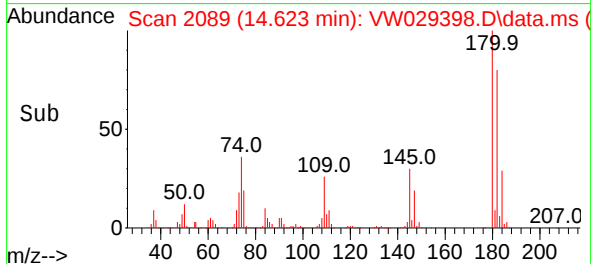
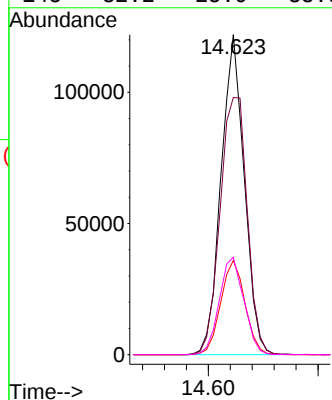
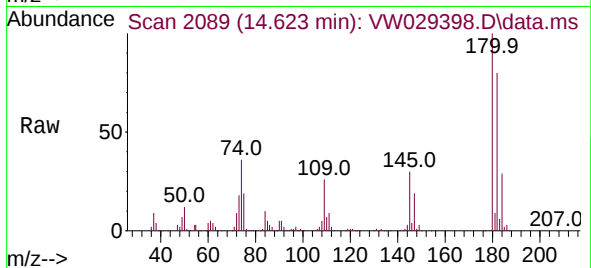
Ion Ratio Lower Upper

180 100

182 93.9 72.9 109.3

184 30.7 23.8 35.6

145 32.2 25.9 38.9



#70

1,2,4-trichlorobenzene

Concen: 24.670 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW029398.D

Acq: 28 Jun 2024 15:11

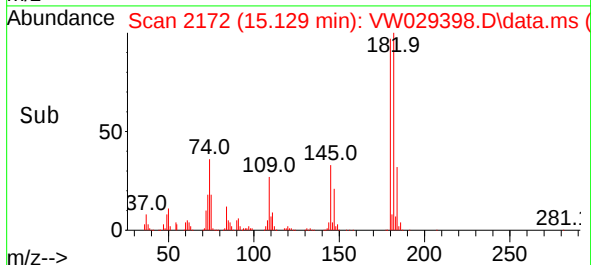
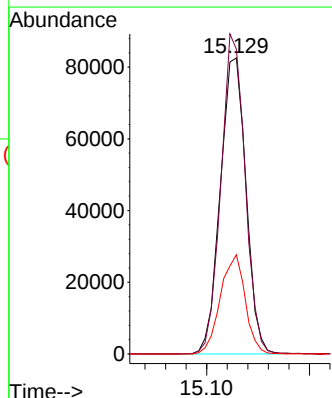
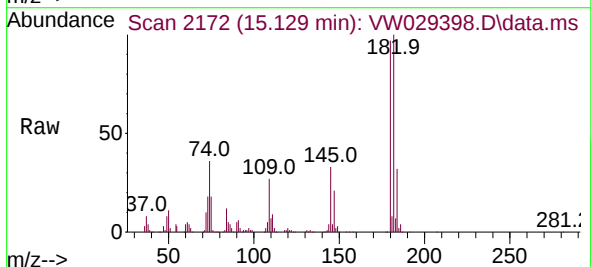
Tgt Ion:180 Resp: 143373

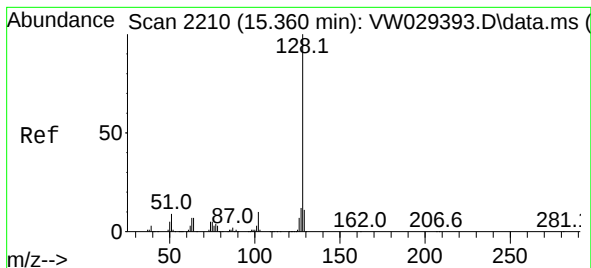
Ion Ratio Lower Upper

180 100

182 101.1 77.7 116.5

145 32.3 25.7 38.5





#71

Naphthalene

Concen: 23.070 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW029398.D

Acq: 28 Jun 2024 15:11

Instrument :

MSVOA_W

ClientSampleId :

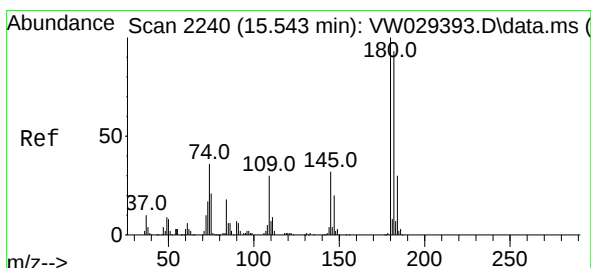
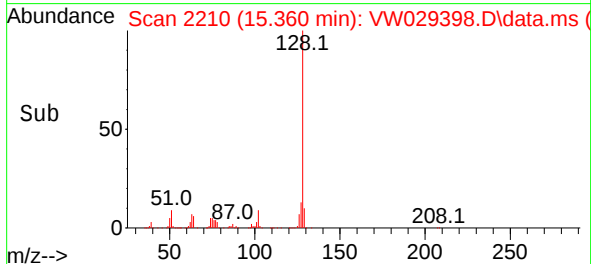
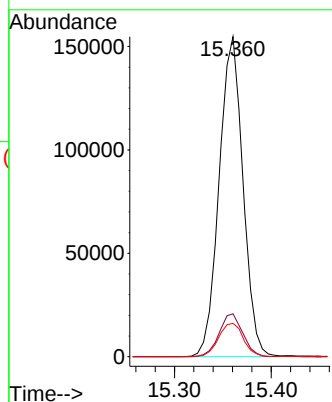
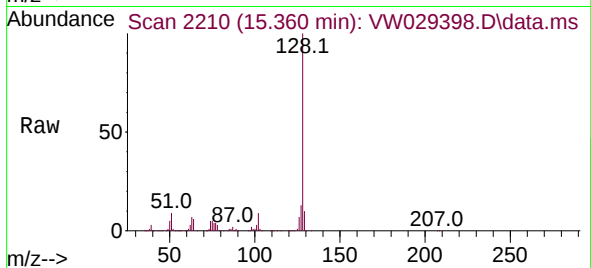
Tgt Ion:128 Resp: 264612

Ion Ratio Lower Upper

128 100

127 13.4 10.3 15.5

129 10.9 8.9 13.3



#72

1,2,3-Trichlorobenzene

Concen: 23.752 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.006 min

Lab File: VW029398.D

Acq: 28 Jun 2024 15:11

Tgt Ion:180 Resp: 125774

Ion Ratio Lower Upper

180 100

182 95.8 73.0 109.6

145 32.9 28.1 42.1

