

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW030724\
 Data File : VW028125.D
 Acq On : 07 Mar 2024 14:32
 Operator : SY/MD
 Sample : P1638-05MSD
 Misc : 4.33g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 08 00:18:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM022924SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Mar 08 00:16:11 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	259168	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	223542	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	98983	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	50775	16.412	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	65.640%
7) Chloroethane-d5	2.899	69	46027	19.205	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.840%
11) 1,1-Dichloroethene-d2	4.021	65	22465	17.777	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.120%
21) 2-Butanone-d5	7.075	46	15376	34.841	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	69.680%
24) Chloroform-d	7.648	84	115183	20.983	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.920%
26) 1,2-Dichloroethane-d4	8.307	65	59588	23.325	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.280%
32) Benzene-d6	8.276	84	215964	20.695	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	82.800%
36) 1,2-Dichloropropane-d6	9.270	67	60549	22.457	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.840%
41) Toluene-d8	10.325	98	183690	18.678	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	74.720%
43) trans-1,3-Dichloroprop...	10.575	79	20921	17.707	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	70.840%
47) 2-Hexanone-d5	10.922	63	14241	37.499	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.000%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	48736	22.903	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.600%
66) 1,2-Dichlorobenzene-d4	13.849	152	54836	18.628	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	74.520%#
Target Compounds						Qvalue
3) Chloromethane	2.223	50	38573	15.322	ug/L	98
5) Vinyl chloride	2.375	62	43309	12.344	ug/L	100
6) Bromomethane	2.790	94	40567	14.493	ug/L	99
8) Chloroethane	2.936	64	34727	15.761	ug/L	97
9) Trichlorofluoromethane	3.271	101	37016	11.312	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	35864	10.542	ug/L #	81
12) 1,1-Dichloroethene	4.045	96	41920	13.012	ug/L	86
13) Acetone	4.119	43	19551	31.694	ug/L	97
14) Carbon disulfide	4.387	76	111218	11.333	ug/L	99
15) Methyl Acetate	4.673	43	15898	18.234	ug/L	100
16) Methylene chloride	4.917	84	75170	21.085	ug/L	98
17) trans-1,2-Dichloroethene	5.429	96	54251	15.759	ug/L	98
18) Methyl tert-butyl Ether	5.429	73	120397	28.557	ug/L	99
19) 1,1-Dichloroethane	6.216	63	105958	19.466	ug/L	97
20) cis-1,2-Dichloroethene	7.173	96	72169	19.920	ug/L	95
22) 2-Butanone	7.167	43	27041	39.251	ug/L	99
23) Bromochloromethane	7.514	128	39072	22.973	ug/L	94
25) Chloroform	7.679	83	128225	21.091	ug/L	96
27) 1,2-Dichloroethane	8.398	62	87816	24.291	ug/L	100

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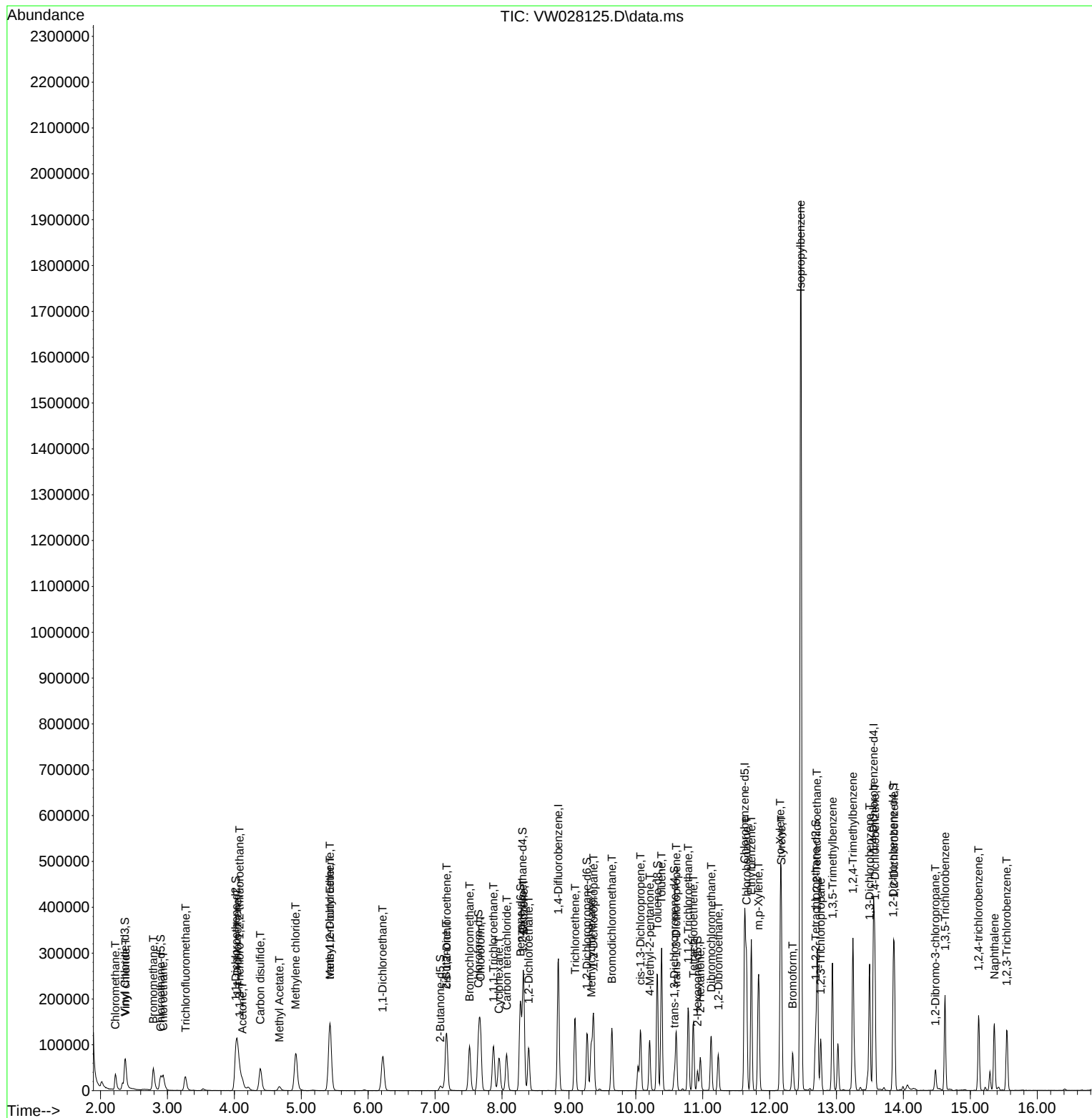
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.953	56	39565	9.204	ug/L	100
30) 1,1,1-Trichloroethane	7.874	97	81811	16.391	ug/L	98
31) Carbon tetrachloride	8.069	117	62660	13.444	ug/L	98
33) Benzene	8.325	78	236880	19.615	ug/L	100
34) Trichloroethene	9.093	95	55284	15.624	ug/L	91
35) Methylcyclohexane	9.337	83	45200	7.892	ug/L	99
37) 1,2-Dichloropropane	9.368	63	64018	22.763	ug/L	100
38) Bromodichloromethane	9.642	83	93706	23.068	ug/L	98
39) cis-1,3-Dichloropropene	10.069	75	83498	18.054	ug/L	98
40) 4-Methyl-2-pentanone	10.209	43	63694	57.021	ug/L	99
42) Toluene	10.386	91	235311	17.244	ug/L	95
44) trans-1,3-Dichloropropene	10.605	75	75079	19.984	ug/L	95
45) 1,1,2-Trichloroethane	10.782	97	60181	25.515	ug/L	99
46) Tetrachloroethene	10.861	164	35092	11.833	ug/L	90
48) 2-Hexanone	10.965	43	44044	48.765	ug/L	93
49) Dibromochloromethane	11.129	129	65286	23.810	ug/L	94
50) 1,2-Dibromoethane	11.233	107	52376	23.056	ug/L	98
51) Chlorobenzene	11.654	112	164500	18.067	ug/L	99
52) Ethylbenzene	11.727	91	232548	14.906	ug/L	97
53) m,p-Xylene	11.837	106	85229	14.080	ug/L	89
54) o-Xylene	12.160	106	95028	16.588	ug/L	92
55) Styrene	12.178	104	158069	16.179	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.708	83	64047	25.184	ug/L	99
59) Bromoform	12.343	173	36288	25.860	ug/L	95
60) Isopropylbenzene	12.465	105	283096	20.847	ug/L #	37
61) 1,2,3-Trichloropropane	12.763	75	46813	30.766	ug/L	98
62) 1,3,5-Trimethylbenzene	12.940	105	144917	16.277	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	182132	17.155	ug/L	100
64) 1,3-Dichlorobenzene	13.495	146	112489	17.924	ug/L	95
65) 1,4-Dichlorobenzene	13.574	146	114052	18.001	ug/L	82
67) 1,2-Dichlorobenzene	13.861	146	105158	18.602	ug/L #	86
68) 1,2-Dibromo-3-chloropr...	14.476	75	10007	31.312	ug/L	94
69) 1,3,5-Trichlorobenzene	14.623	180	64101	13.841	ug/L	99
70) 1,2,4-trichlorobenzene	15.123	180	55217	14.846	ug/L	95
71) Naphthalene	15.360	128	131021	21.539	ug/L	99
72) 1,2,3-Trichlorobenzene	15.543	180	46562	14.970	ug/L	97

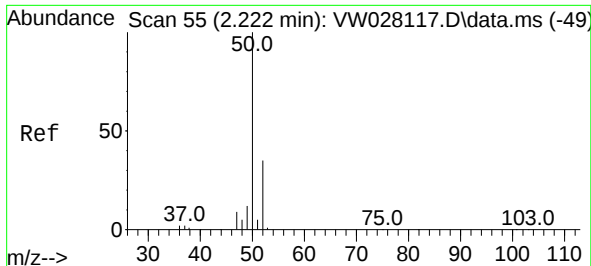
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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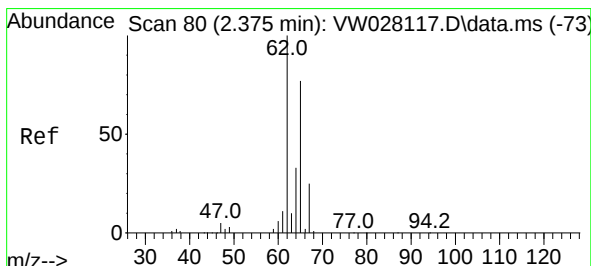
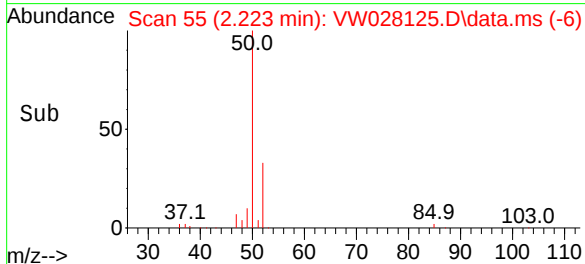
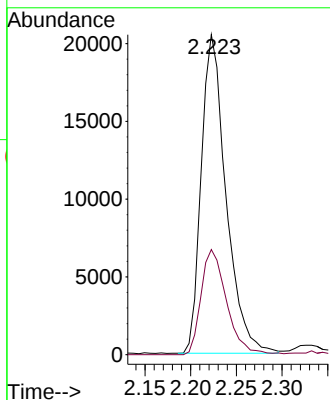
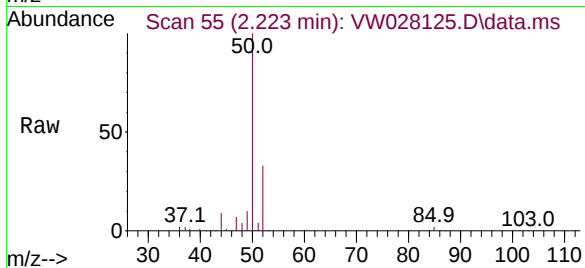




#3
Chloromethane
Concen: 15.322 ug/L
RT: 2.223 min Scan# 51
Delta R.T. 0.000 min
Lab File: VW028125.D
Acq: 07 Mar 2024 14:32

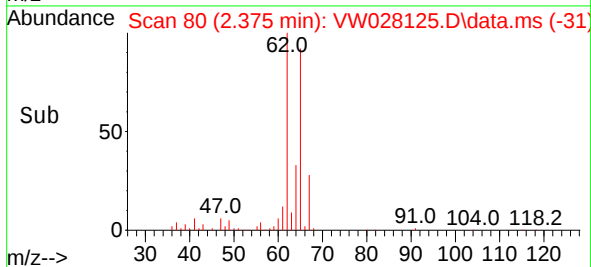
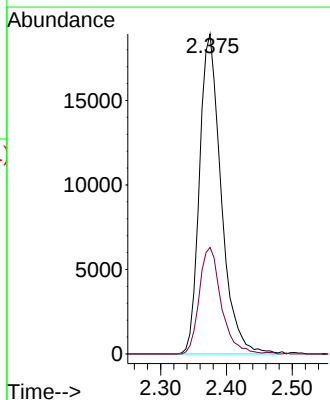
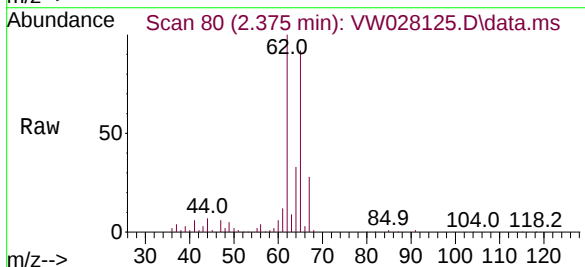
Instrument :
MSVOA_W
ClientSampleId :

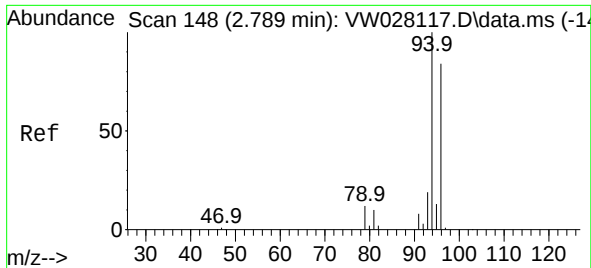
Tgt Ion: 50 Resp: 38573
Ion Ratio Lower Upper
50 100
52 32.8 23.7 43.9



#5
Vinyl chloride
Concen: 12.344 ug/L
RT: 2.375 min Scan# 80
Delta R.T. 0.000 min
Lab File: VW028125.D
Acq: 07 Mar 2024 14:32

Tgt Ion: 62 Resp: 43309
Ion Ratio Lower Upper
62 100
64 33.3 23.2 43.0

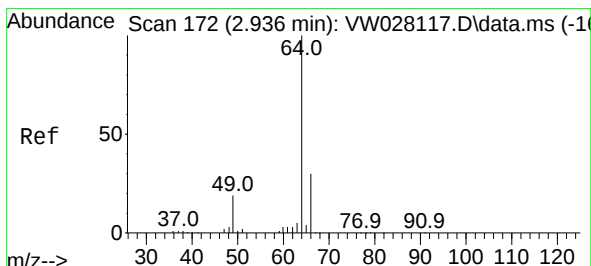
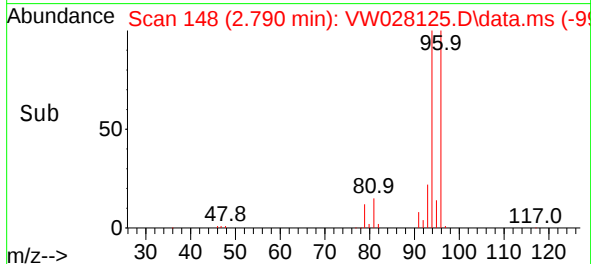
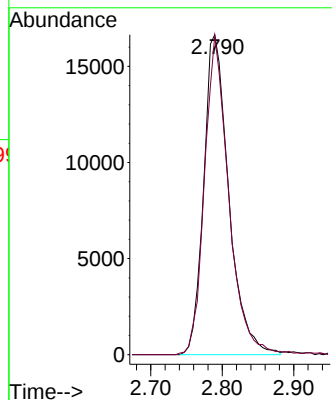
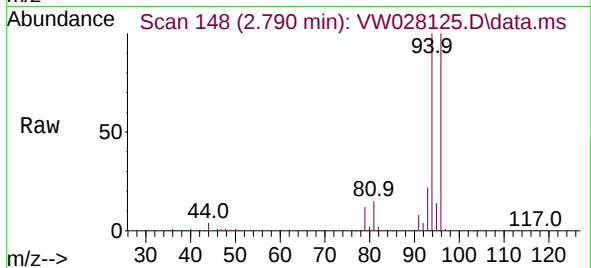




#6
Bromomethane
Concen: 14.493 ug/L
RT: 2.790 min Scan# 148
Delta R.T. 0.000 min
Lab File: VW028125.D
Acq: 07 Mar 2024 14:32

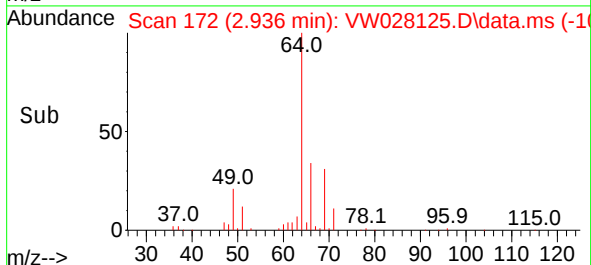
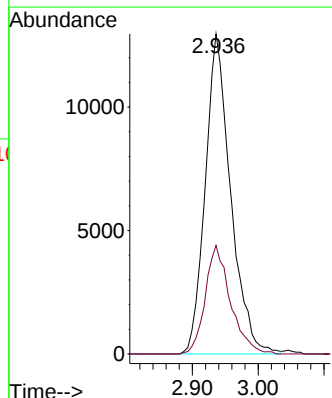
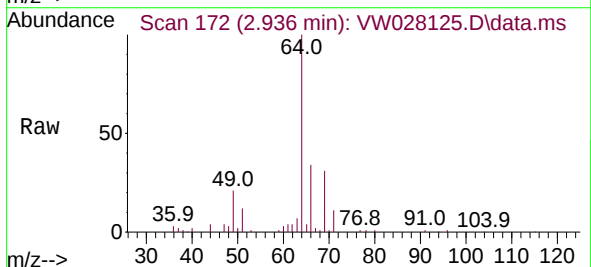
Instrument :
MSVOA_W
ClientSampleId :

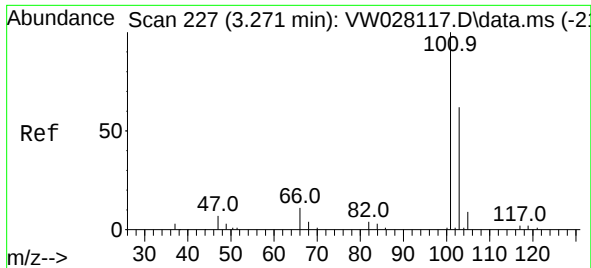
Tgt Ion: 94 Resp: 40567
Ion Ratio Lower Upper
94 100
96 99.7 69.1 128.3



#8
Chloroethane
Concen: 15.761 ug/L
RT: 2.936 min Scan# 172
Delta R.T. 0.000 min
Lab File: VW028125.D
Acq: 07 Mar 2024 14:32

Tgt Ion: 64 Resp: 34727
Ion Ratio Lower Upper
64 100
66 33.9 22.4 41.6

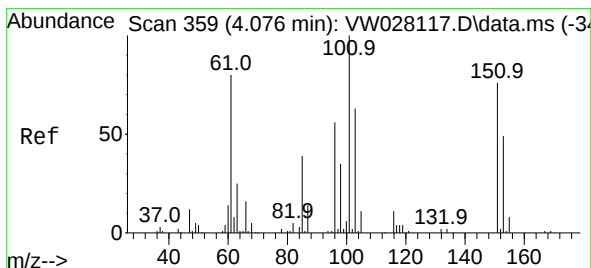
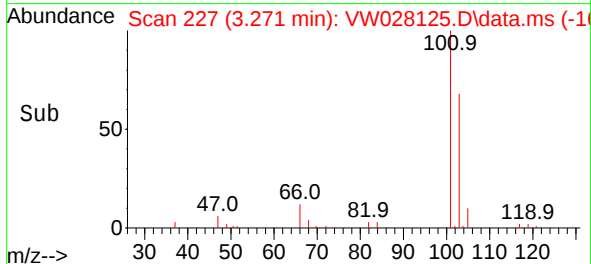
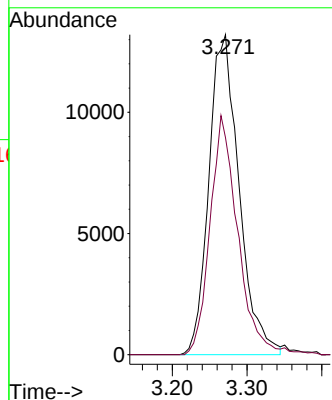
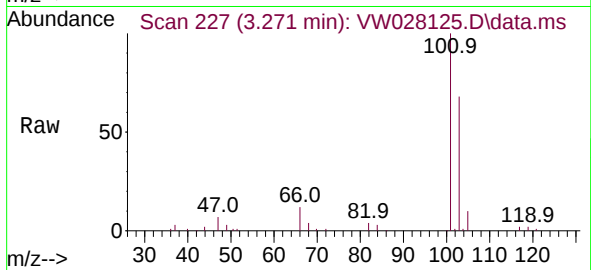




#9
Trichlorofluoromethane
Concen: 11.312 ug/L
RT: 3.271 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW028125.D
Acq: 07 Mar 2024 14:32

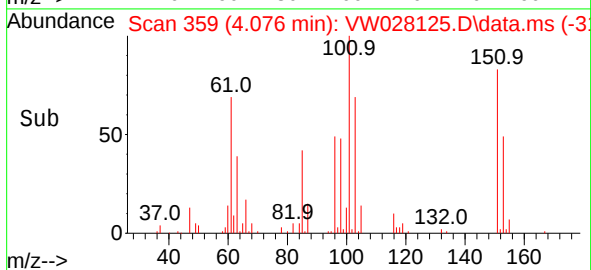
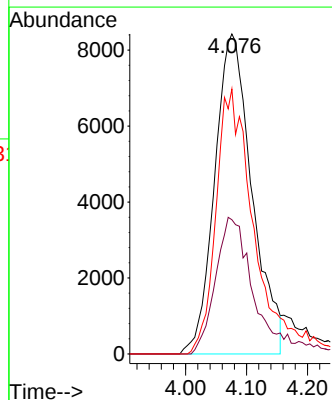
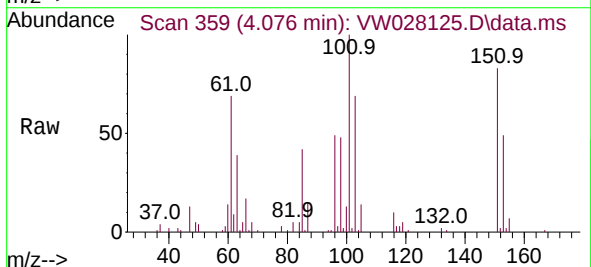
Instrument :
MSVOA_W
ClientSampleId :

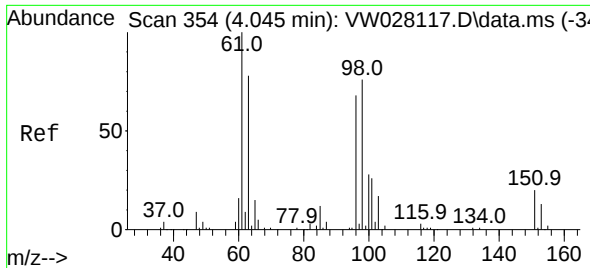
Tgt Ion:101 Resp: 37016
Ion Ratio Lower Upper
101 100
103 68.1 52.6 78.8



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 10.542 ug/L
RT: 4.076 min Scan# 359
Delta R.T. 0.000 min
Lab File: VW028125.D
Acq: 07 Mar 2024 14:32

Tgt Ion:101 Resp: 35864
Ion Ratio Lower Upper
101 100
85 40.5 33.1 49.7
151 43.7 53.7 80.5#





#12

1,1-Dichloroethene

Concen: 13.012 ug/L

RT: 4.045 min Scan# 354

Delta R.T. 0.000 min

Lab File: VW028125.D

Acq: 07 Mar 2024 14:32

Instrument :

MSVOA_W

ClientSampleId :

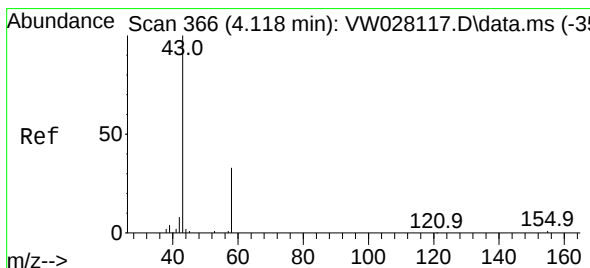
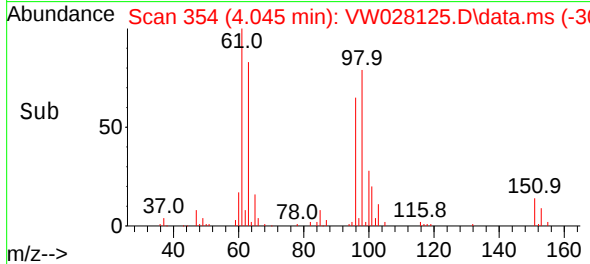
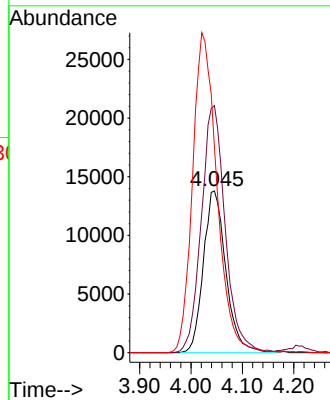
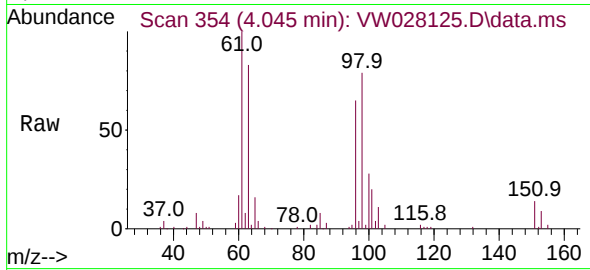
Tgt Ion: 96 Resp: 41920

Ion Ratio Lower Upper

96 100

61 152.8 100.5 186.7

63 127.0 72.9 135.5



#13

Acetone

Concen: 31.694 ug/L

RT: 4.119 min Scan# 366

Delta R.T. 0.000 min

Lab File: VW028125.D

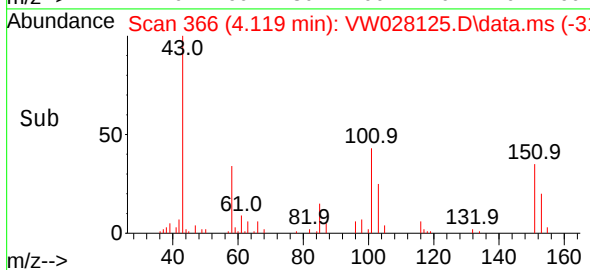
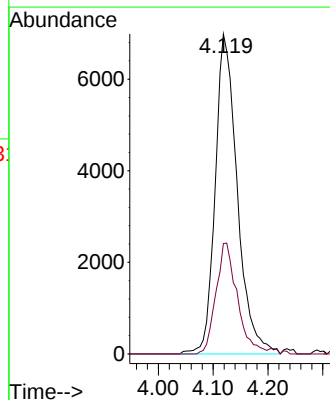
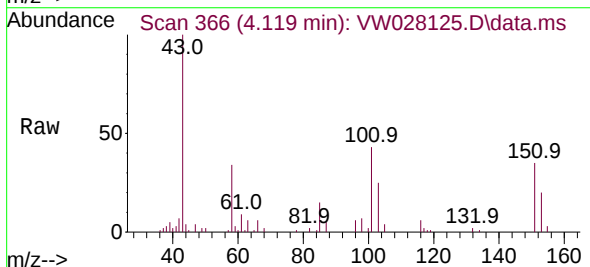
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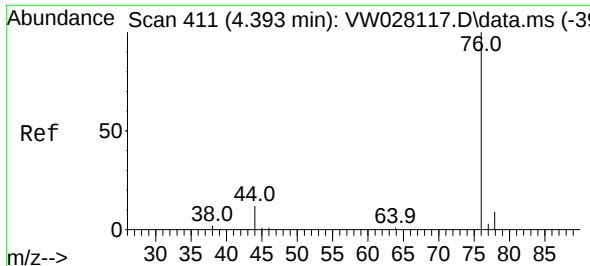
Tgt Ion: 43 Resp: 19551

Ion Ratio Lower Upper

43 100

58 33.5 0.0 70.0

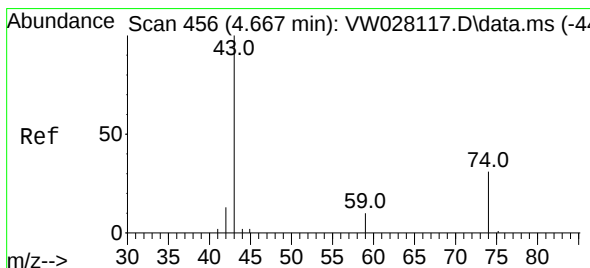
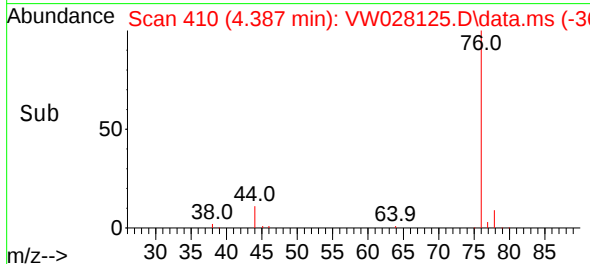
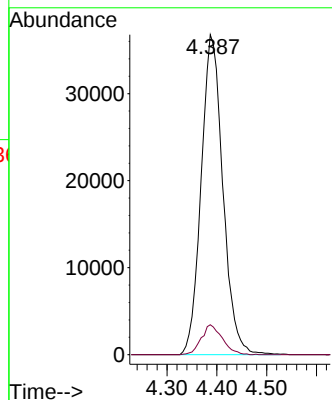
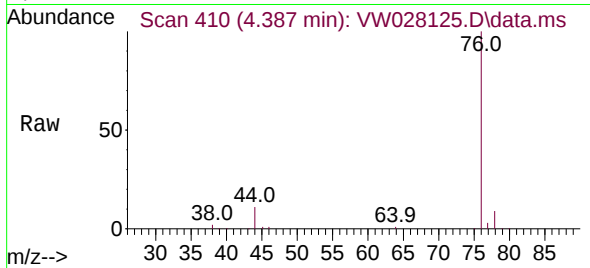




#14
Carbon disulfide
Concen: 11.333 ug/L
RT: 4.387 min Scan# 411
Delta R.T. -0.006 min
Lab File: VW028125.D
Acq: 07 Mar 2024 14:32

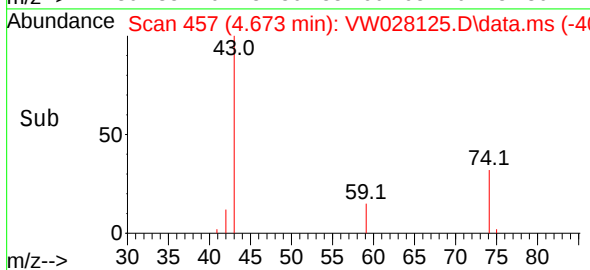
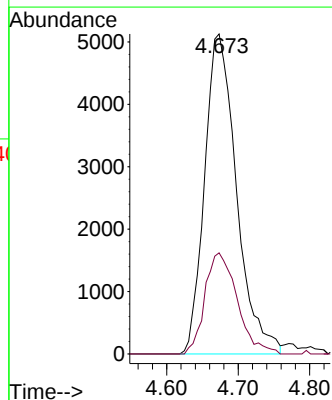
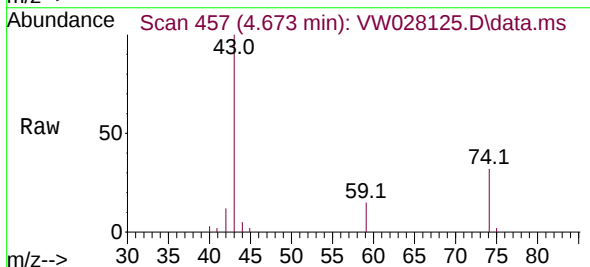
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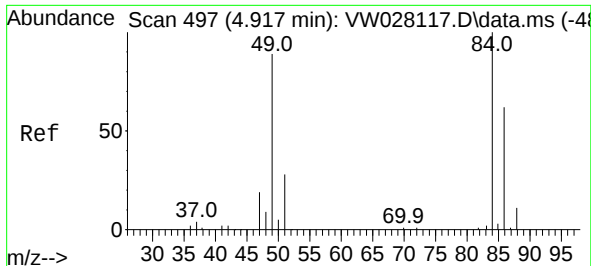
Tgt Ion: 76 Resp: 111218
Ion Ratio Lower Upper
76 100
78 9.4 7.9 11.9



#15
Methyl Acetate
Concen: 18.234 ug/L
RT: 4.673 min Scan# 457
Delta R.T. 0.006 min
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Tgt Ion: 43 Resp: 15898
Ion Ratio Lower Upper
43 100
74 30.7 24.3 36.5

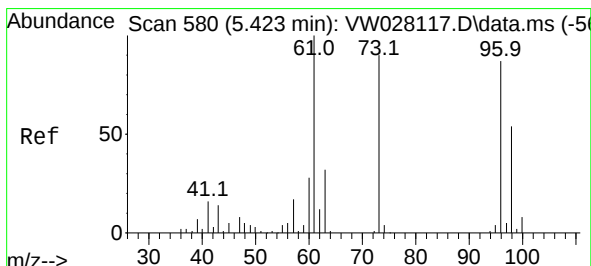
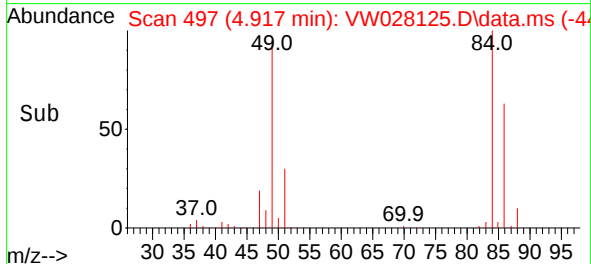
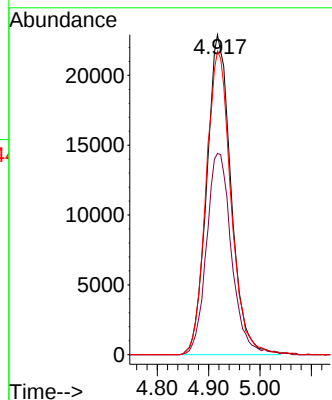
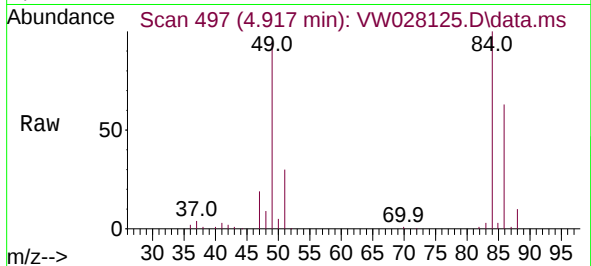




#16
Methylene chloride
Concen: 21.085 ug/L
RT: 4.917 min Scan# 497
Delta R.T. 0.000 min
Lab File: VW028125.D
Acq: 07 Mar 2024 14:32

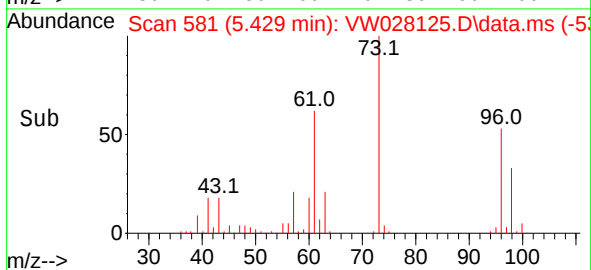
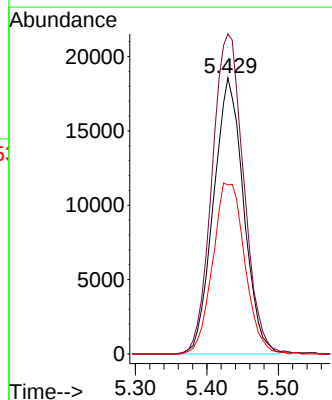
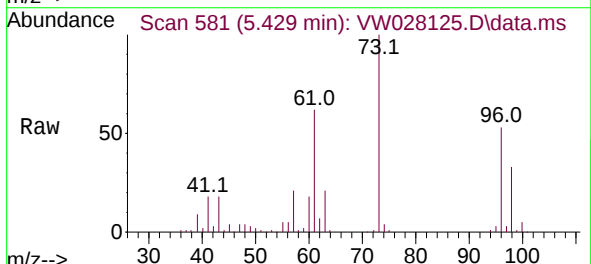
Instrument :
MSVOA_W
ClientSampleId :

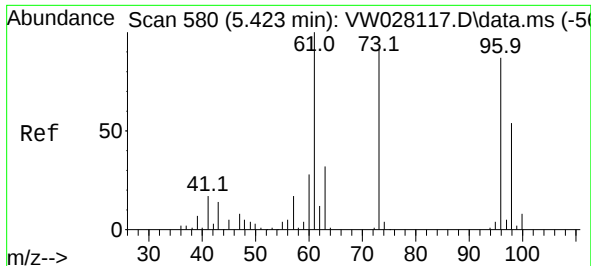
Tgt Ion: 84 Resp: 75170
Ion Ratio Lower Upper
84 100
86 62.9 41.2 76.6
49 94.8 66.5 123.5



#17
trans-1,2-Dichloroethene
Concen: 15.759 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.006 min
Lab File: VW028125.D
Acq: 07 Mar 2024 14:32

Tgt Ion: 96 Resp: 54251
Ion Ratio Lower Upper
96 100
61 115.9 82.6 153.4
98 61.2 44.7 83.1





#18

Methyl tert-butyl Ether

Concen: 28.557 ug/L

RT: 5.429 min Scan# 580

Delta R.T. 0.006 min

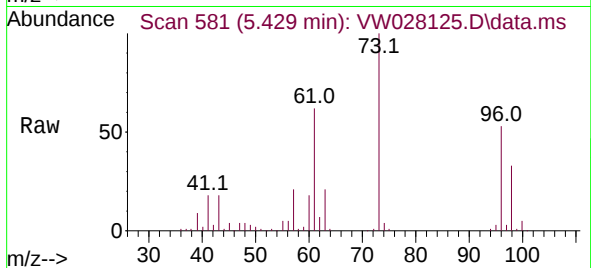
Lab File: VW028125.D

Acq: 07 Mar 2024 14:32

Instrument :

MSVOA_W

ClientSampleId :



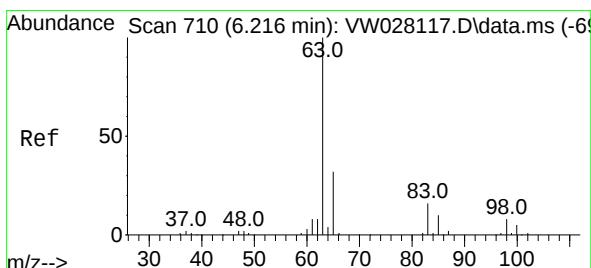
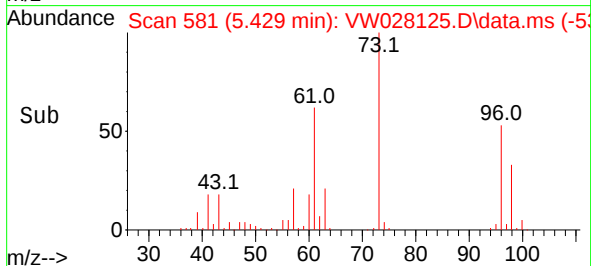
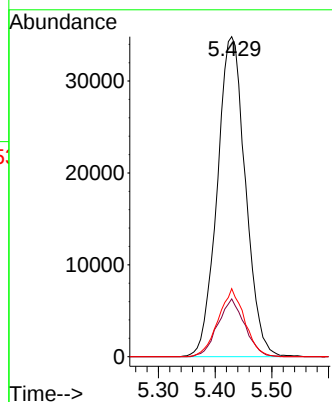
Tgt Ion: 73 Resp: 120397

Ion Ratio Lower Upper

73 100

43 17.2 13.3 19.9

57 19.8 15.9 23.9



#19

1,1-Dichloroethane

Concen: 19.466 ug/L

RT: 6.216 min Scan# 710

Delta R.T. 0.000 min

Lab File: VW028125.D

Acq: 07 Mar 2024 14:32

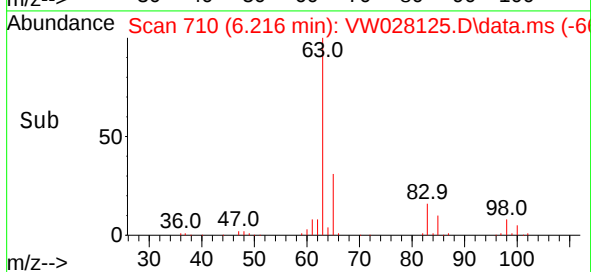
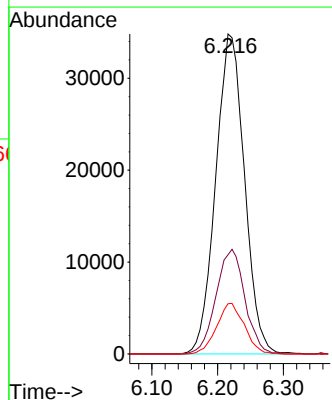
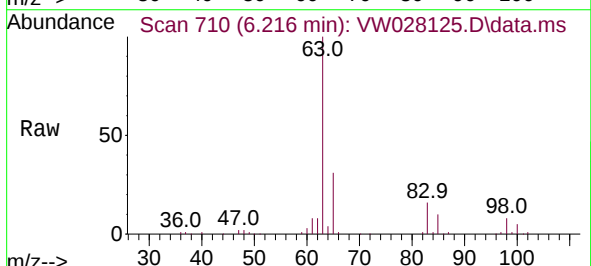
Tgt Ion: 63 Resp: 105958

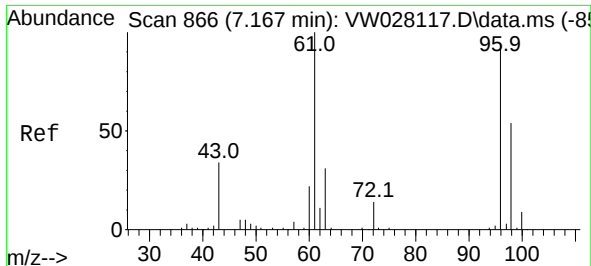
Ion Ratio Lower Upper

63 100

65 31.0 23.2 43.0

83 15.7 10.2 19.0





#20

cis-1,2-Dichloroethene

Concen: 19.920 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.006 min

Lab File: VW028125.D

Acq: 07 Mar 2024 14:32

Instrument :

MSVOA_W

ClientSampleId :

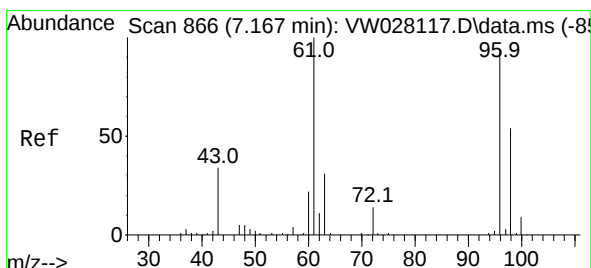
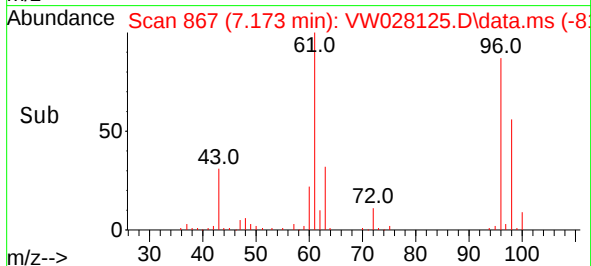
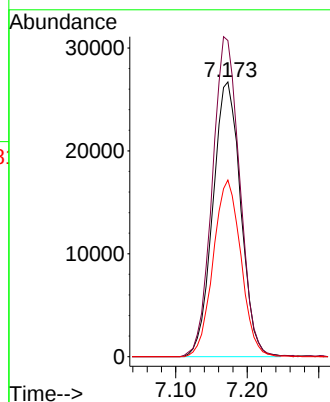
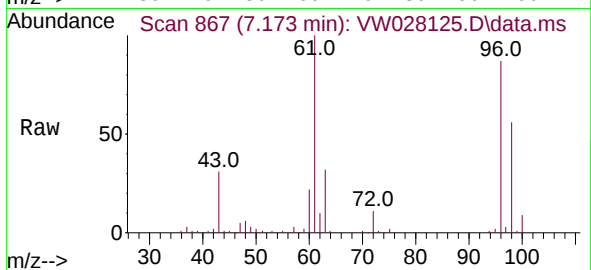
Tgt Ion: 96 Resp: 72169

Ion Ratio Lower Upper

96 100

61 115.0 75.5 140.1

98 64.3 43.8 81.4



#22

2-Butanone

Concen: 39.251 ug/L

RT: 7.167 min Scan# 866

Delta R.T. 0.000 min

Lab File: VW028125.D

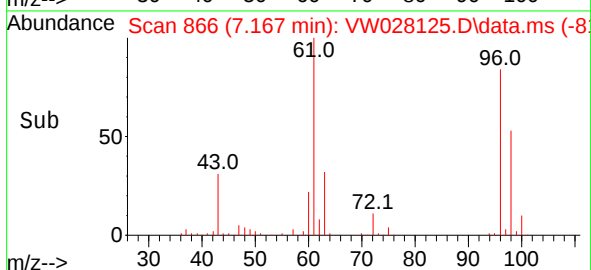
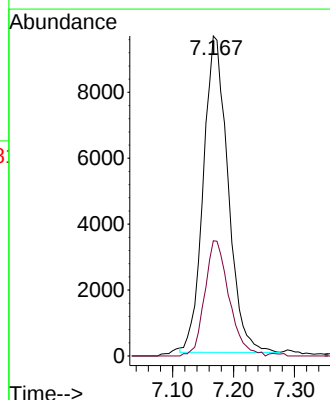
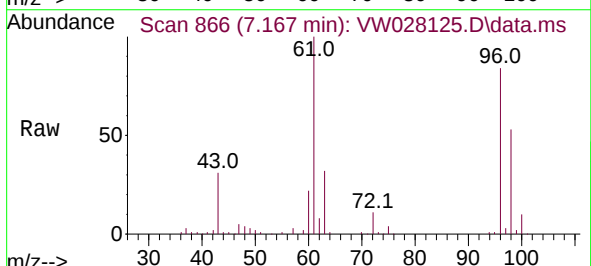
Acq: 07 Mar 2024 14:32

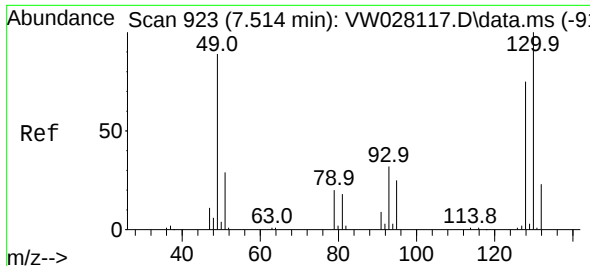
Tgt Ion: 43 Resp: 27041

Ion Ratio Lower Upper

43 100

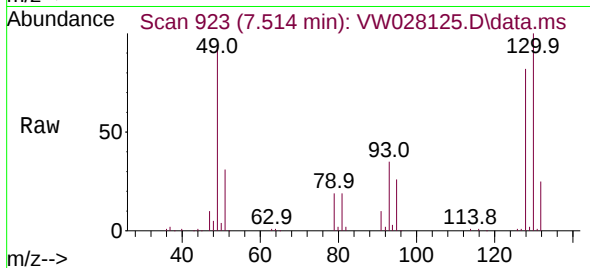
72 35.9 18.4 55.0



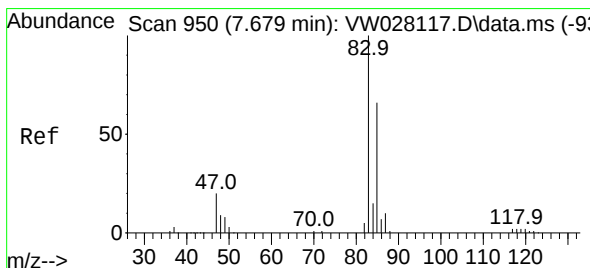
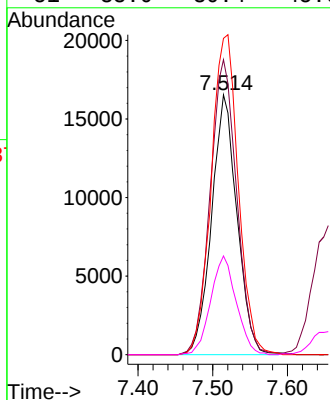
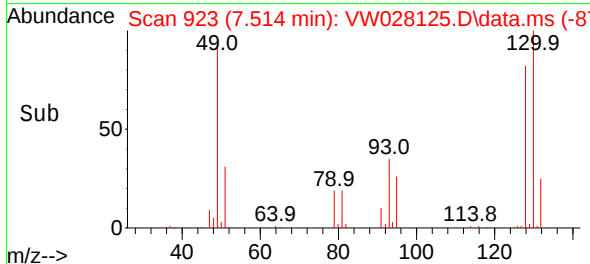


#23
Bromochloromethane
Concen: 22.973 ug/L
RT: 7.514 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW028125.D
Acq: 07 Mar 2024 14:32

Instrument :
MSVOA_W
ClientSampleId :

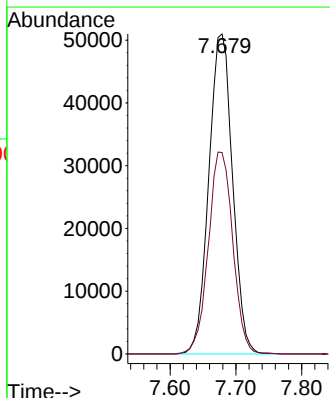
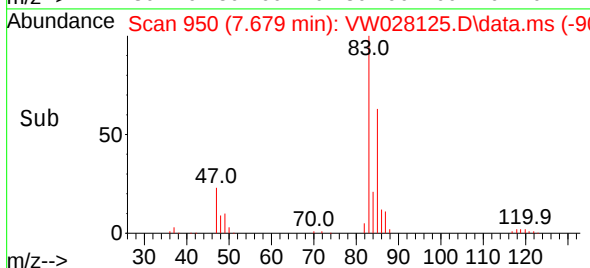
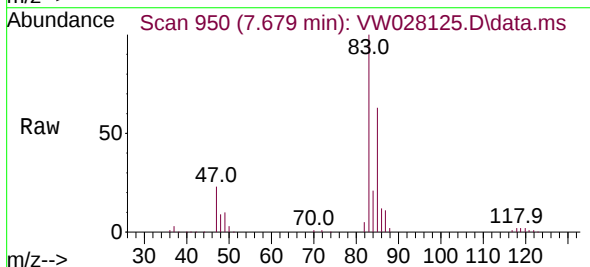


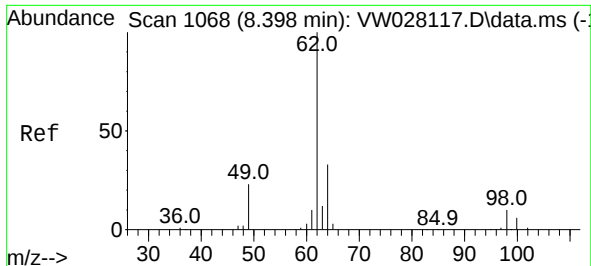
Tgt Ion:	128	Resp:	39072
Ion	Ratio	Lower	Upper
128	100		
49	113.6	84.4	156.8
130	121.8	91.1	169.3
51	38.0	30.4	45.6



#25
Chloroform
Concen: 21.091 ug/L
RT: 7.679 min Scan# 950
Delta R.T. 0.000 min
Lab File: VW028125.D
Acq: 07 Mar 2024 14:32

Tgt Ion:	83	Resp:	128225
Ion	Ratio	Lower	Upper
83	100		
85	63.0	46.5	86.5





#27

1,2-Dichloroethane

Concen: 24.291 ug/L

RT: 8.398 min Scan# 1068

Delta R.T. 0.000 min

Lab File: VW028125.D

Acq: 07 Mar 2024 14:32

Instrument :

MSVOA_W

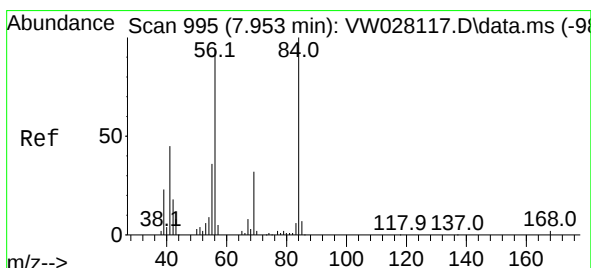
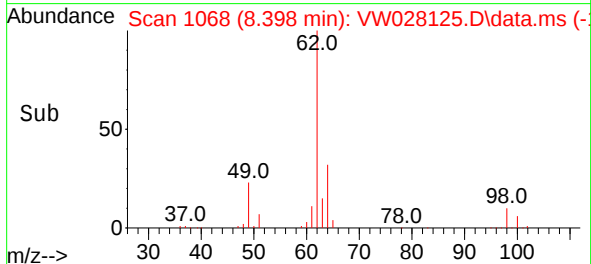
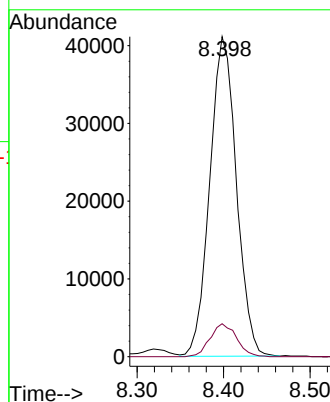
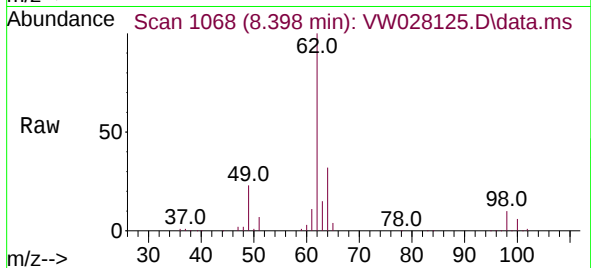
ClientSampleId :

Tgt Ion: 62 Resp: 87816

Ion Ratio Lower Upper

62 100

98 10.3 8.2 12.4



#29

Cyclohexane

Concen: 9.204 ug/L

RT: 7.953 min Scan# 995

Delta R.T. 0.000 min

Lab File: VW028125.D

Acq: 07 Mar 2024 14:32

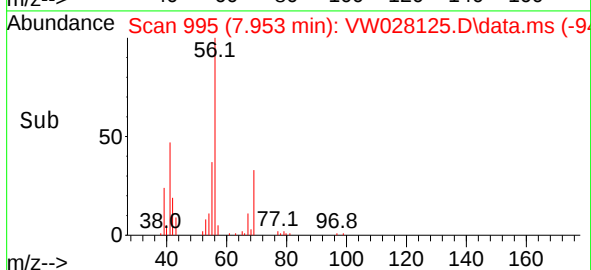
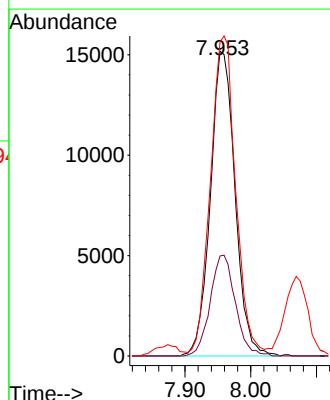
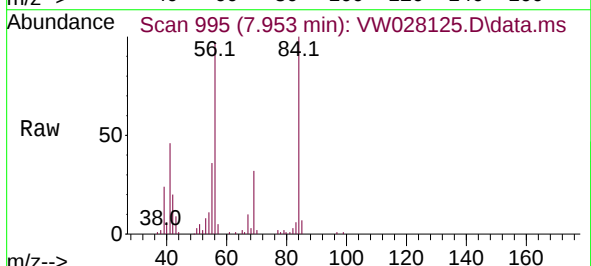
Tgt Ion: 56 Resp: 39565

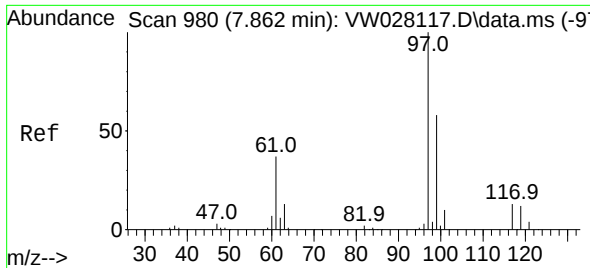
Ion Ratio Lower Upper

56 100

69 33.6 27.6 41.4

84 108.3 86.6 129.8





#30

1,1,1-Trichloroethane

Concen: 16.391 ug/L

RT: 7.874 min Scan# 980

Delta R.T. 0.012 min

Lab File: VW028125.D

Acq: 07 Mar 2024 14:32

Instrument :

MSVOA_W

ClientSampleId :

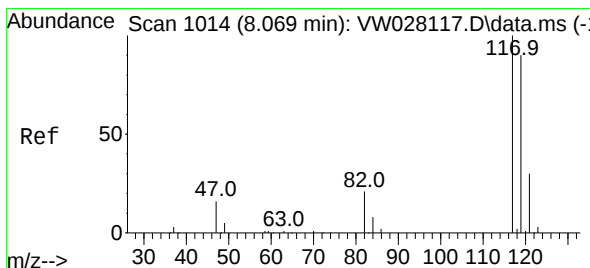
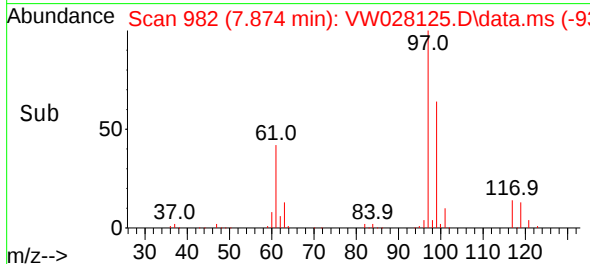
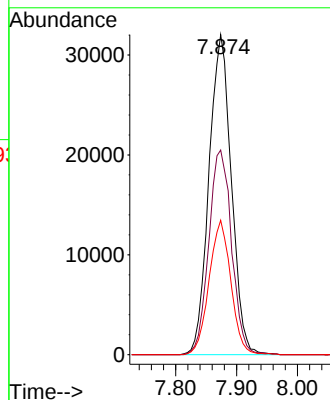
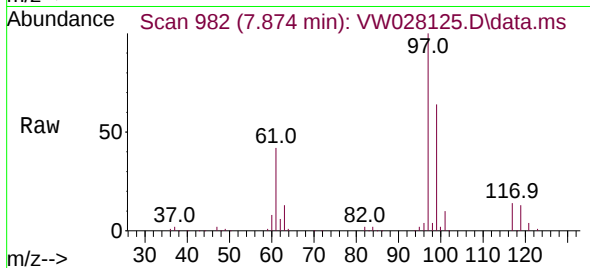
Tgt Ion: 97 Resp: 81811

Ion Ratio Lower Upper

97 100

99 65.3 51.3 76.9

61 40.9 31.8 47.6



#31

Carbon tetrachloride

Concen: 13.444 ug/L

RT: 8.069 min Scan# 1014

Delta R.T. 0.000 min

Lab File: VW028125.D

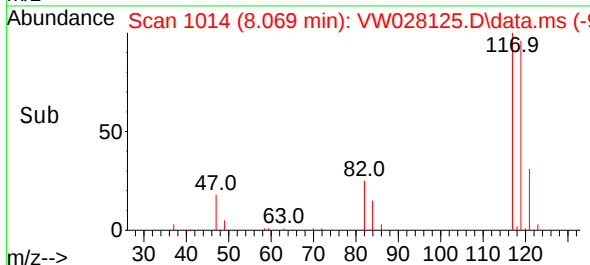
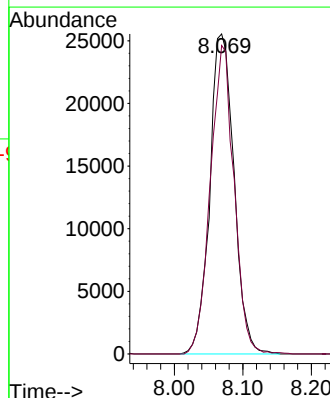
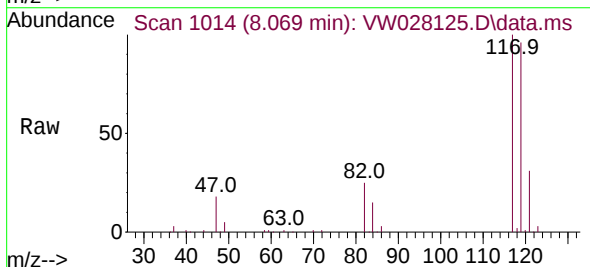
Acq: 07 Mar 2024 14:32

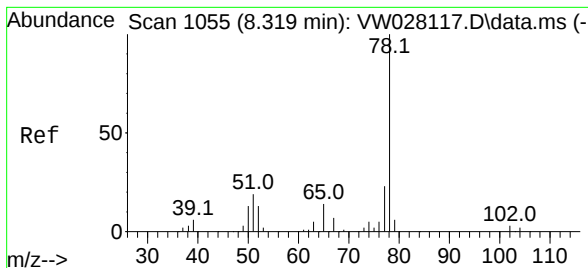
Tgt Ion: 117 Resp: 62660

Ion Ratio Lower Upper

117 100

119 94.2 76.8 115.2





#33

Benzene

Concen: 19.615 ug/L

RT: 8.325 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW028125.D

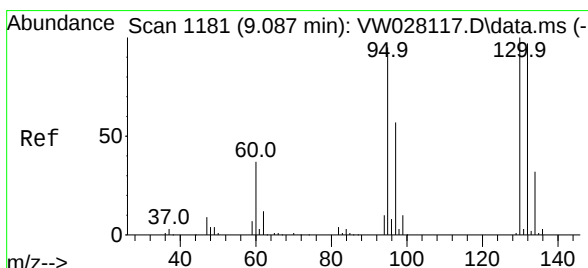
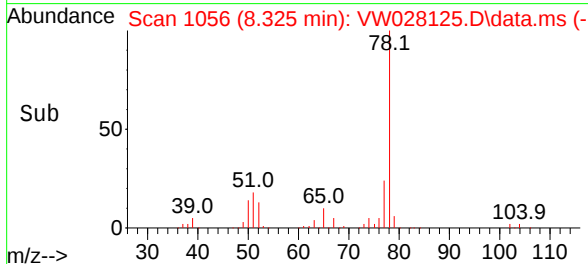
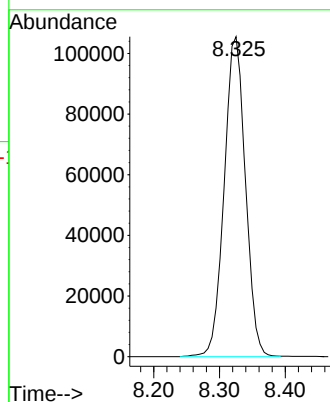
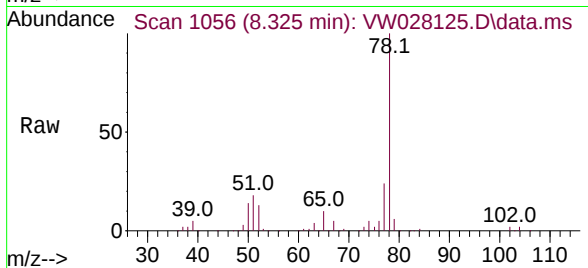
Acq: 07 Mar 2024 14:32

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 78 Resp: 236880



#34

Trichloroethene

Concen: 15.624 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.006 min

Lab File: VW028125.D

Acq: 07 Mar 2024 14:32

Tgt Ion: 95 Resp: 55284

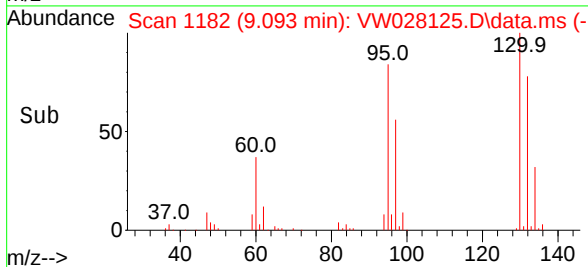
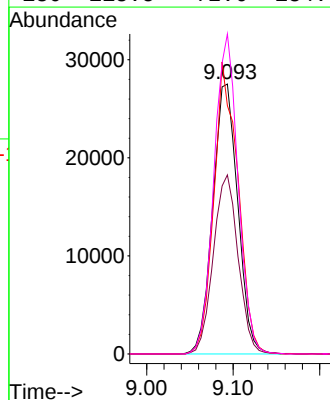
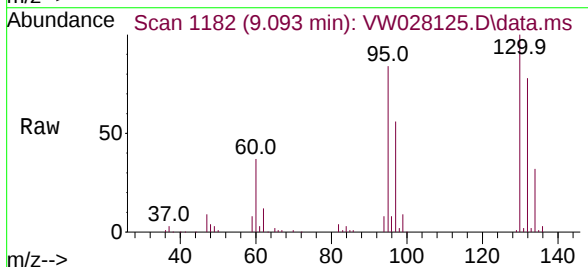
Ion Ratio Lower Upper

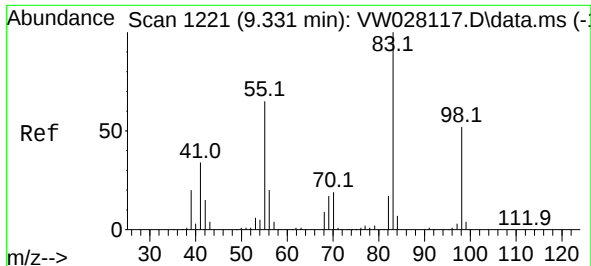
95 100

97 66.3 44.5 82.7

132 92.0 68.3 126.9

130 118.5 72.6 134.8





#35

Methylcyclohexane

Concen: 7.892 ug/L

RT: 9.337 min Scan# 1221

Delta R.T. 0.006 min

Lab File: VW028125.D

Acq: 07 Mar 2024 14:32

Instrument :

MSVOA_W

ClientSampleId :

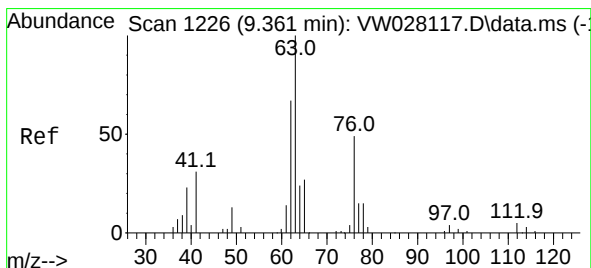
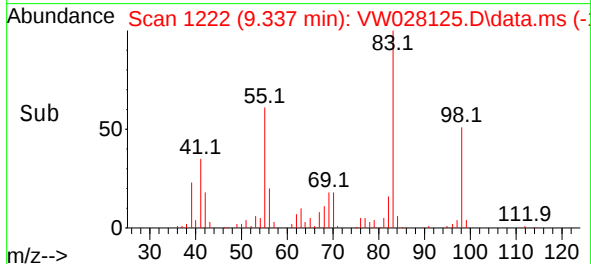
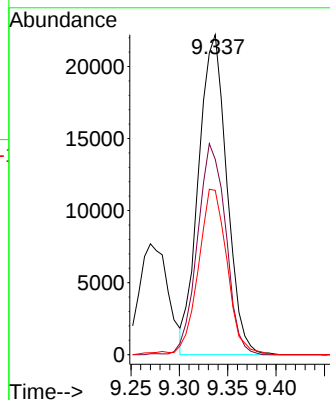
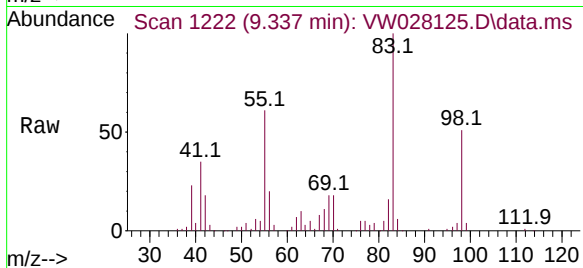
Tgt Ion: 83 Resp: 45200

Ion Ratio Lower Upper

83 100

55 65.8 52.1 78.1

98 52.1 42.2 63.4



#37

1,2-Dichloropropane

Concen: 22.763 ug/L

RT: 9.368 min Scan# 1227

Delta R.T. 0.006 min

Lab File: VW028125.D

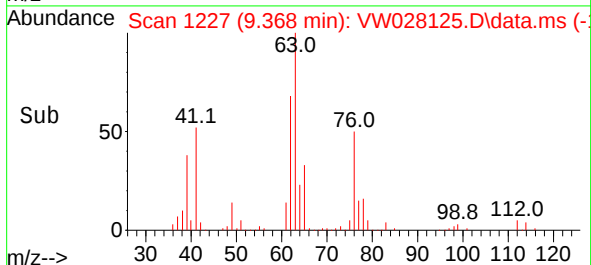
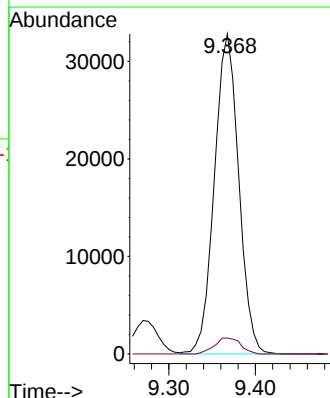
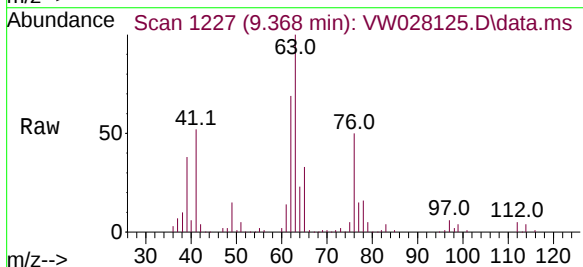
Acq: 07 Mar 2024 14:32

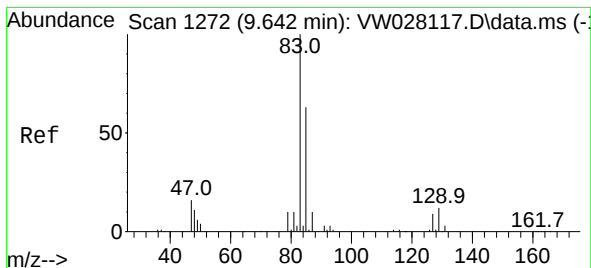
Tgt Ion: 63 Resp: 64018

Ion Ratio Lower Upper

63 100

112 5.4 4.4 6.6





#38

Bromodichloromethane

Concen: 23.068 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

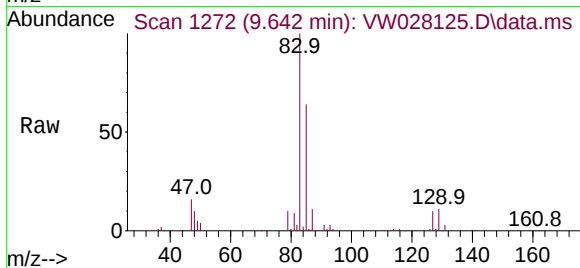
Lab File: VW028125.D

Acq: 07 Mar 2024 14:32

Instrument :

MSVOA_W

ClientSampleId :



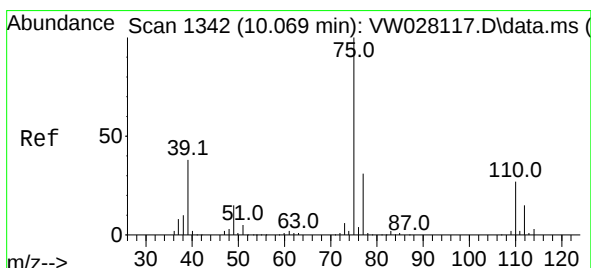
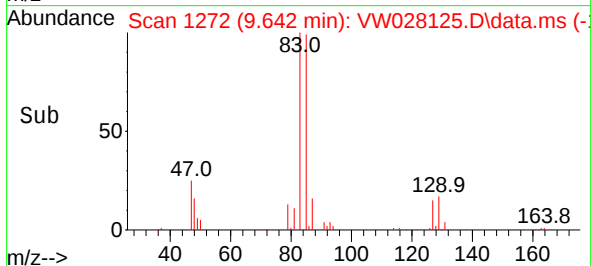
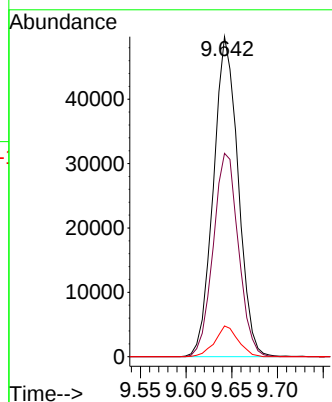
Tgt Ion: 83 Resp: 93706

Ion Ratio Lower Upper

83 100

85 63.6 43.3 80.5

127 9.6 6.9 10.3



#39

cis-1,3-Dichloropropene

Concen: 18.054 ug/L

RT: 10.069 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VW028125.D

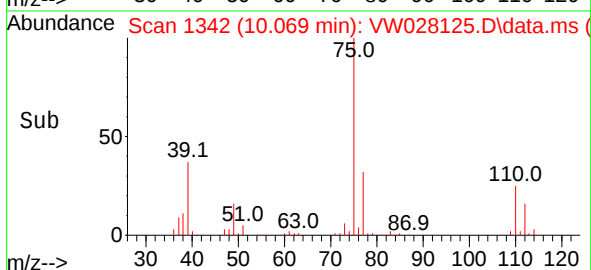
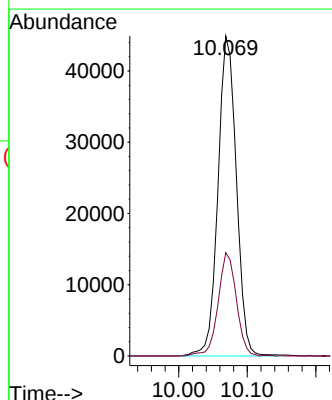
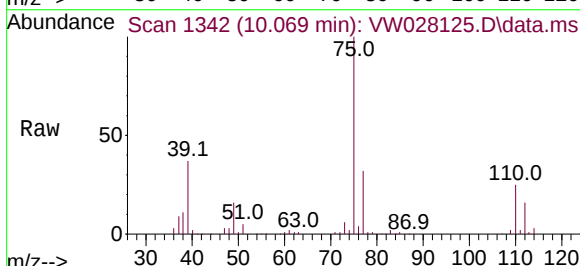
Acq: 07 Mar 2024 14:32

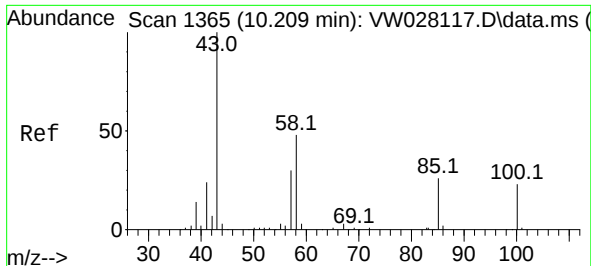
Tgt Ion: 75 Resp: 83498

Ion Ratio Lower Upper

75 100

77 32.3 21.7 40.3





#40

4-Methyl-2-pentanone

Concen: 57.021 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW028125.D

Acq: 07 Mar 2024 14:32

Instrument :

MSVOA_W

ClientSampleId :

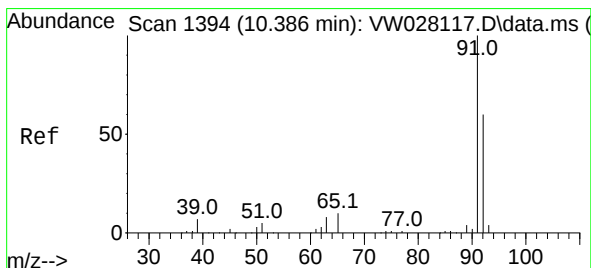
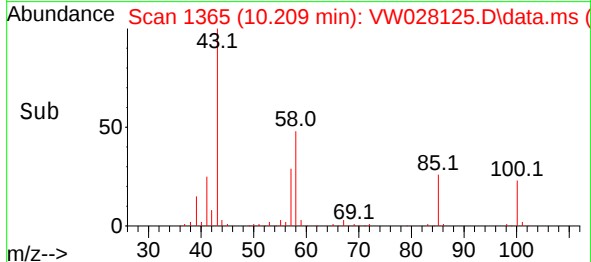
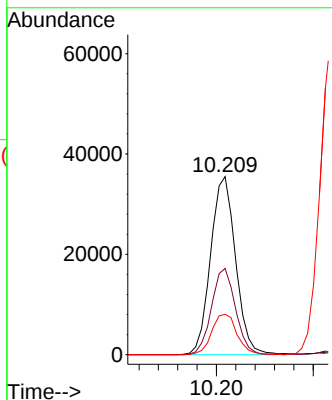
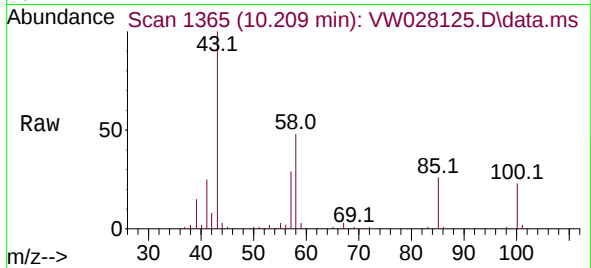
Tgt Ion: 43 Resp: 63694

Ion Ratio Lower Upper

43 100

58 46.4 37.8 56.8

100 23.0 18.2 27.4



#42

Toluene

Concen: 17.244 ug/L

RT: 10.386 min Scan# 1394

Delta R.T. 0.000 min

Lab File: VW028125.D

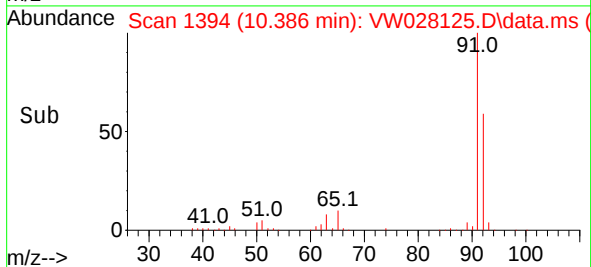
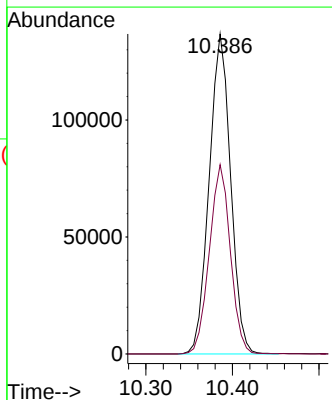
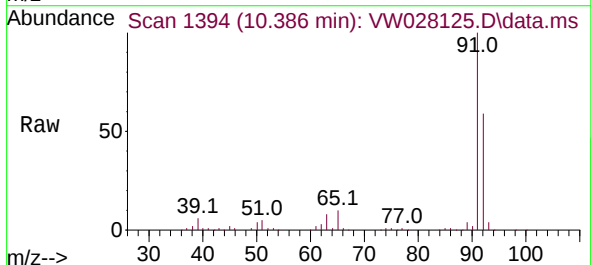
Acq: 07 Mar 2024 14:32

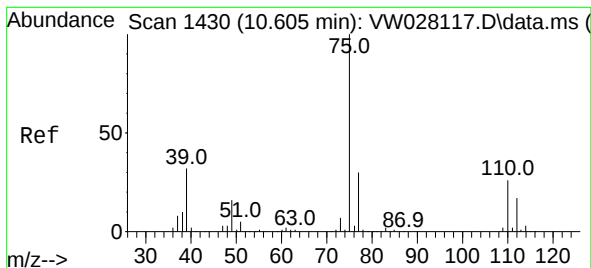
Tgt Ion: 91 Resp: 235311

Ion Ratio Lower Upper

91 100

92 59.1 39.0 72.4





#44

trans-1,3-Dichloropropene

Concen: 19.984 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VW028125.D

Acq: 07 Mar 2024 14:32

Instrument :

MSVOA_W

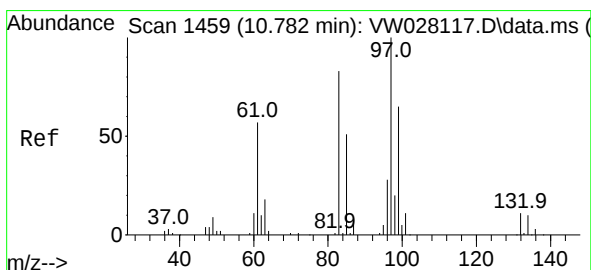
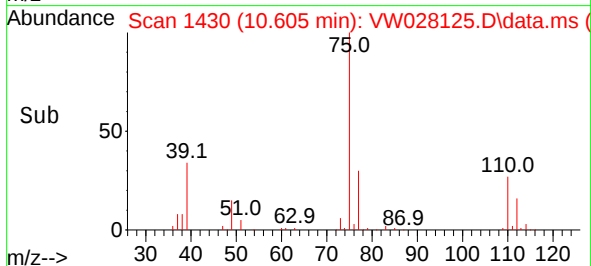
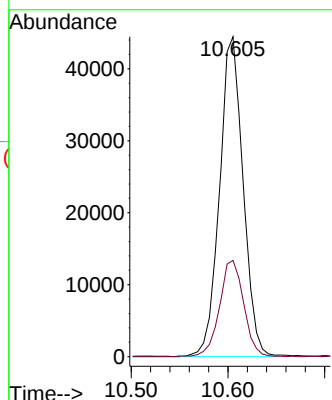
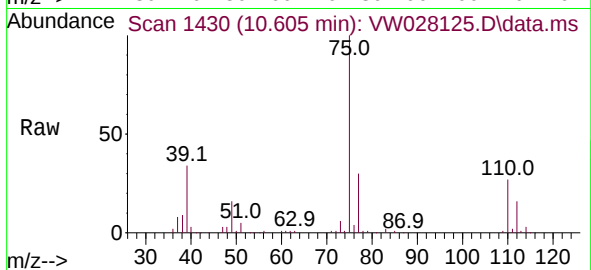
ClientSampleId :

Tgt Ion: 75 Resp: 75079

Ion Ratio Lower Upper

75 100

77 30.1 22.9 42.5



#45

1,1,2-Trichloroethane

Concen: 25.515 ug/L

RT: 10.782 min Scan# 1459

Delta R.T. 0.000 min

Lab File: VW028125.D

Acq: 07 Mar 2024 14:32

Tgt Ion: 97 Resp: 60181

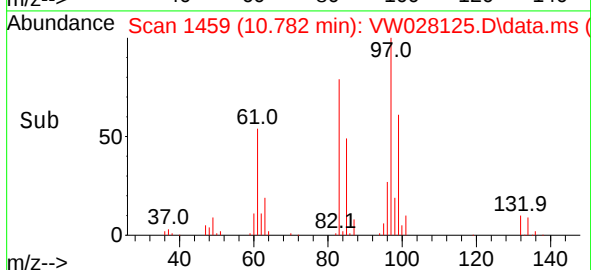
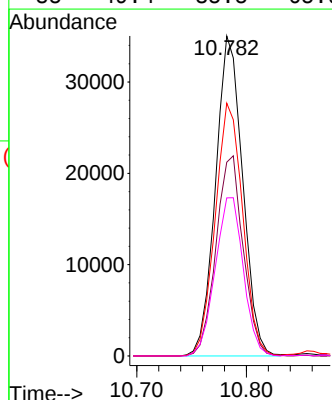
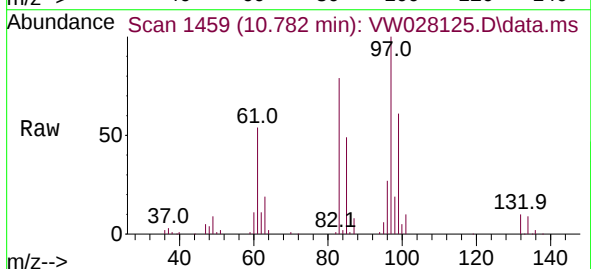
Ion Ratio Lower Upper

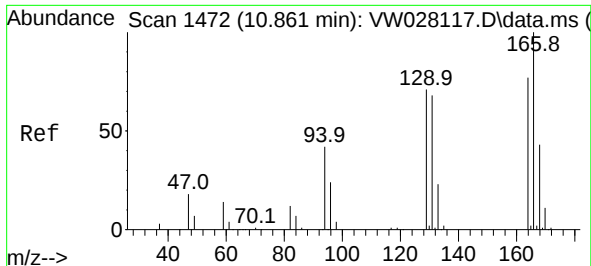
97 100

99 60.5 41.9 77.7

83 79.0 56.1 104.1

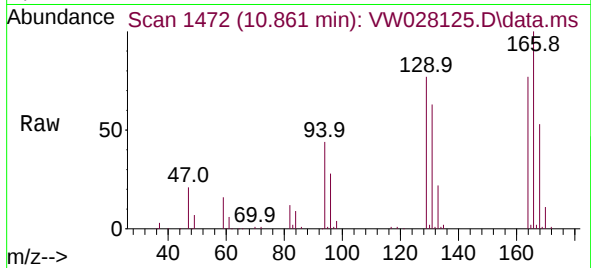
85 49.4 35.5 65.9



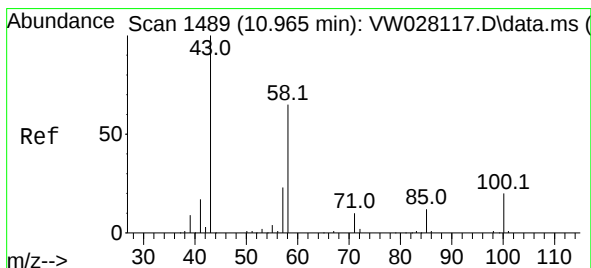
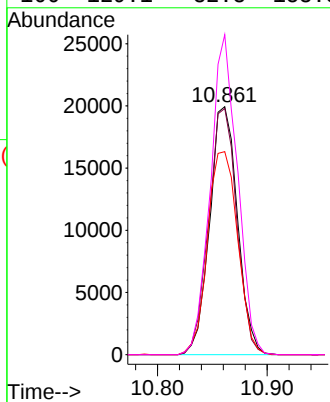
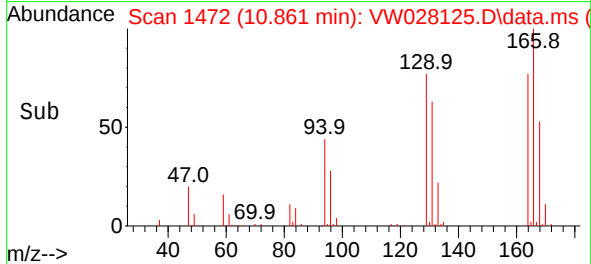


#46
Tetrachloroethene
Concen: 11.833 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VW028125.D
Acq: 07 Mar 2024 14:32

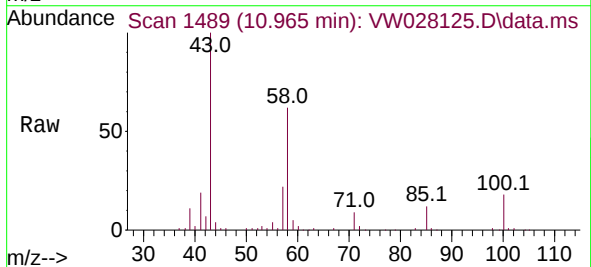
Instrument :
MSVOA_W
ClientSampleId :



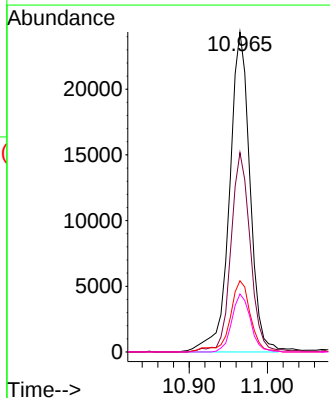
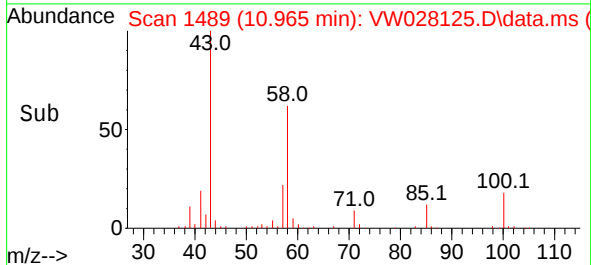
Tgt Ion:164 Resp: 35092
Ion Ratio Lower Upper
164 100
129 99.3 65.2 121.0
131 81.9 66.2 123.0
166 129.1 82.8 153.8

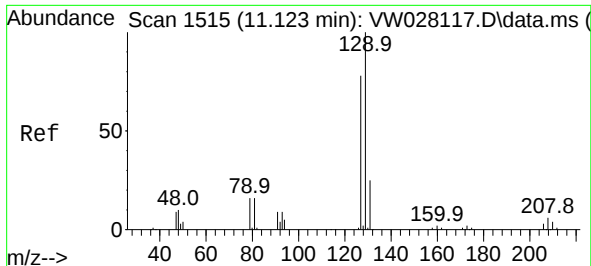


#48
2-Hexanone
Concen: 48.765 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VW028125.D
Acq: 07 Mar 2024 14:32



Tgt Ion: 43 Resp: 44044
Ion Ratio Lower Upper
43 100
58 58.0 51.8 77.8
57 21.1 18.2 27.4
100 16.5 14.3 21.5





#49

Dibromochloromethane

Concen: 23.810 ug/L

RT: 11.129 min Scan# 1516

Delta R.T. 0.006 min

Lab File: VW028125.D

Acq: 07 Mar 2024 14:32

Instrument :

MSVOA_W

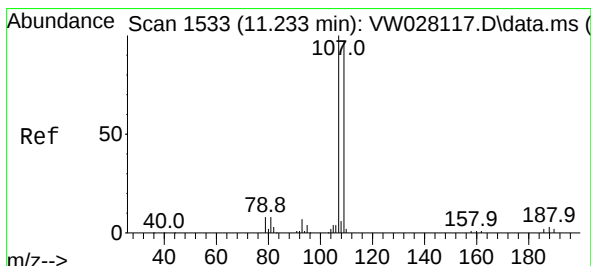
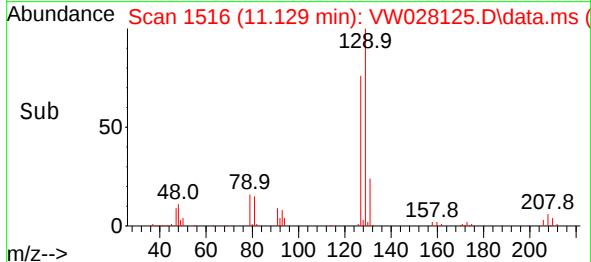
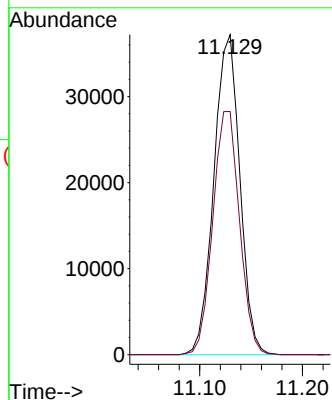
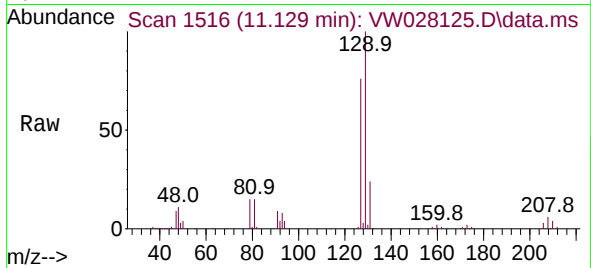
ClientSampleId :

Tgt Ion:129 Resp: 65286

Ion Ratio Lower Upper

129 100

127 76.0 57.1 106.1



#50

1,2-Dibromoethane

Concen: 23.056 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. 0.000 min

Lab File: VW028125.D

Acq: 07 Mar 2024 14:32

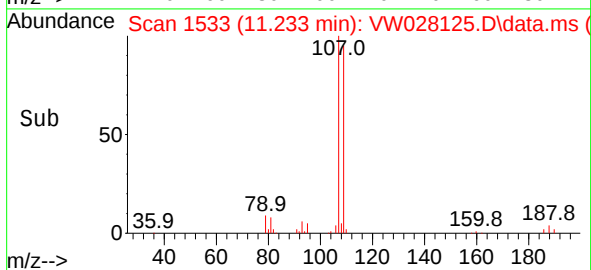
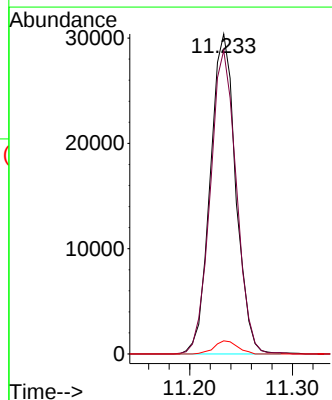
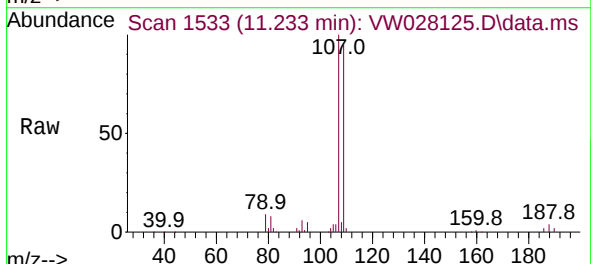
Tgt Ion:107 Resp: 52376

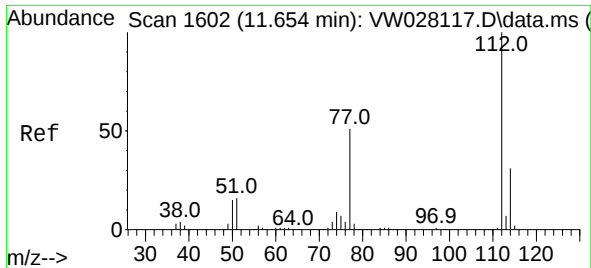
Ion Ratio Lower Upper

107 100

109 94.9 67.5 125.3

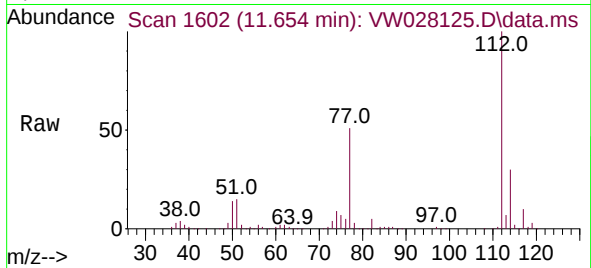
188 4.1 3.1 4.7



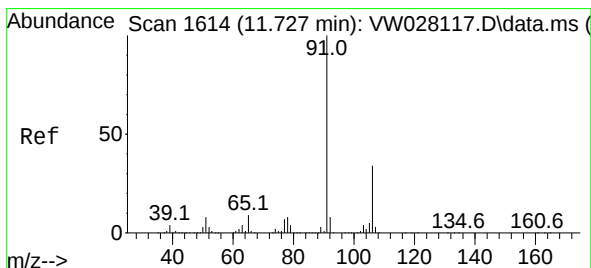
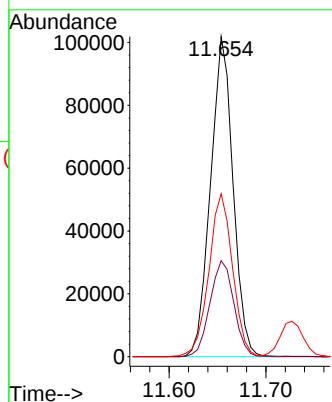
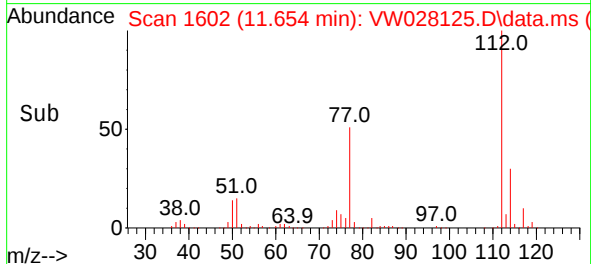


#51
Chlorobenzene
Concen: 18.067 ug/L
RT: 11.654 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW028125.D
Acq: 07 Mar 2024 14:32

Instrument :
MSVOA_W
ClientSampleId :

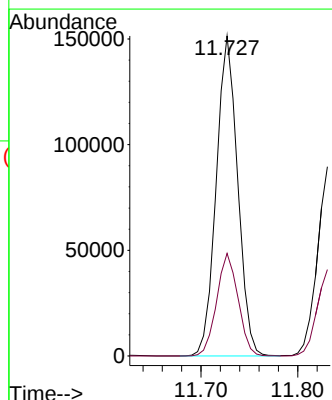
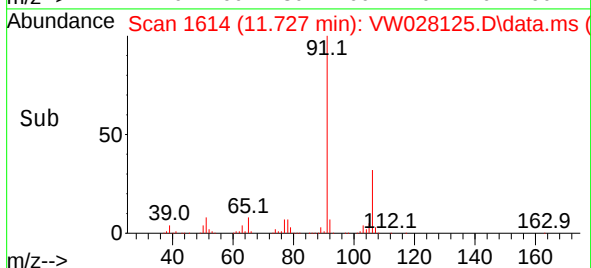
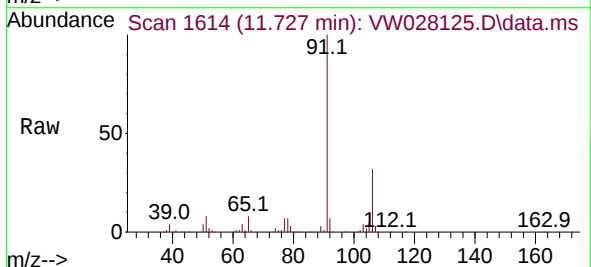


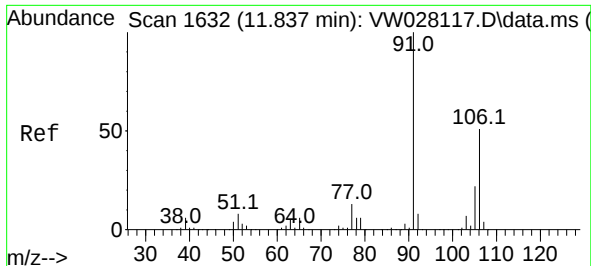
Tgt Ion:112 Resp: 164500
Ion Ratio Lower Upper
112 100
114 30.0 20.6 38.4
77 50.9 40.0 60.0



#52
Ethylbenzene
Concen: 14.906 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW028125.D
Acq: 07 Mar 2024 14:32

Tgt Ion: 91 Resp: 232548
Ion Ratio Lower Upper
91 100
106 32.1 23.8 44.2





#53

m,p-Xylene

Concen: 14.080 ug/L

RT: 11.837 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW028125.D

Acq: 07 Mar 2024 14:32

Instrument :

MSVOA_W

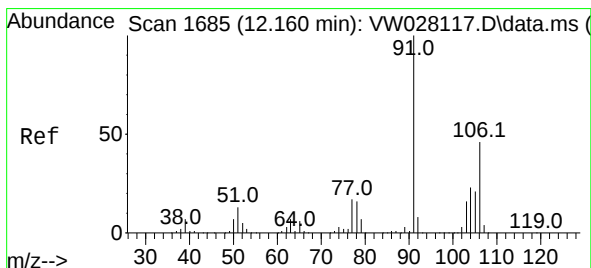
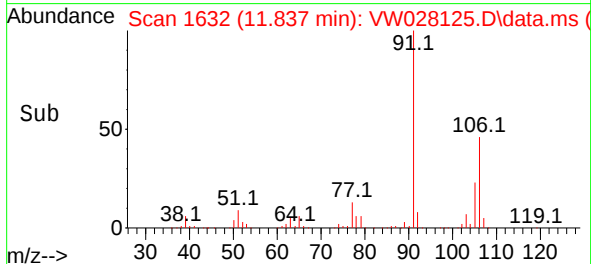
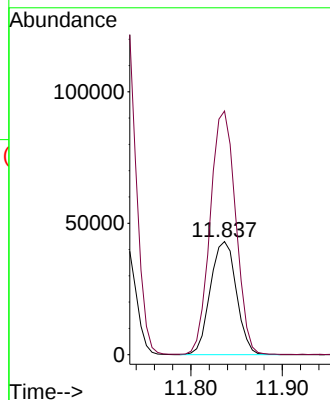
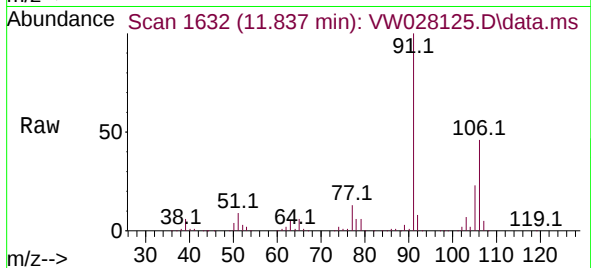
ClientSampleId :

Tgt Ion:106 Resp: 85229

Ion Ratio Lower Upper

106 100

91 215.5 139.7 259.4



#54

o-Xylene

Concen: 16.588 ug/L

RT: 12.160 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VW028125.D

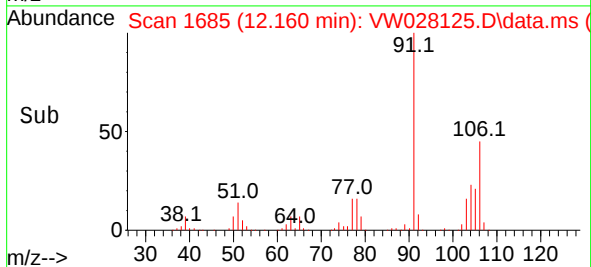
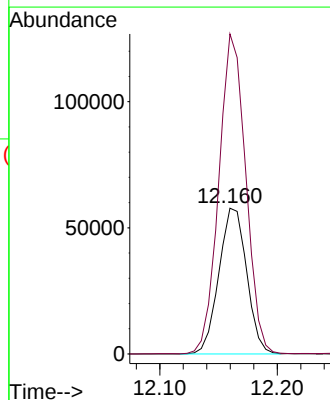
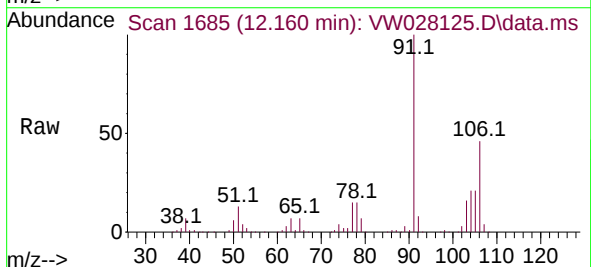
Acq: 07 Mar 2024 14:32

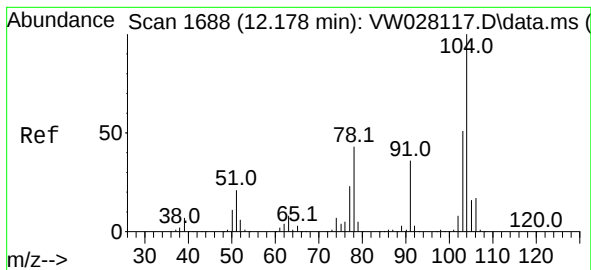
Tgt Ion:106 Resp: 95028

Ion Ratio Lower Upper

106 100

91 219.4 145.2 269.6





#55

Styrene

Concen: 16.179 ug/L

RT: 12.178 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW028125.D

Acq: 07 Mar 2024 14:32

Instrument :

MSVOA_W

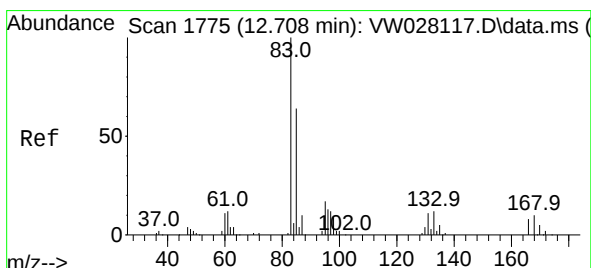
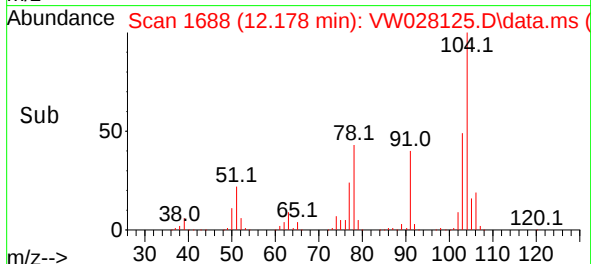
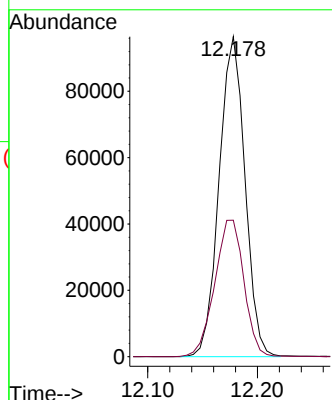
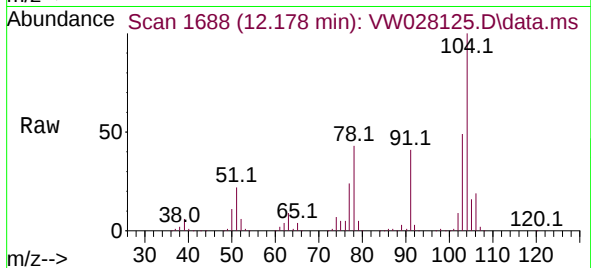
ClientSampleId :

Tgt Ion:104 Resp: 158069

Ion Ratio Lower Upper

104 100

78 42.7 29.1 54.1



#57

1,1,2,2-Tetrachloroethane

Concen: 25.184 ug/L

RT: 12.708 min Scan# 1775

Delta R.T. 0.000 min

Lab File: VW028125.D

Acq: 07 Mar 2024 14:32

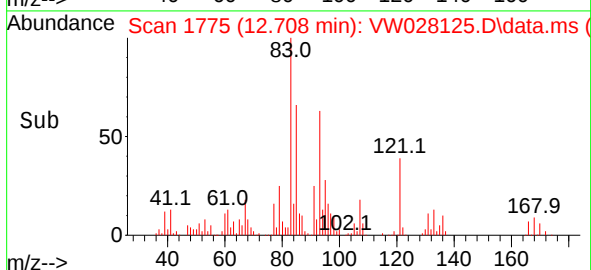
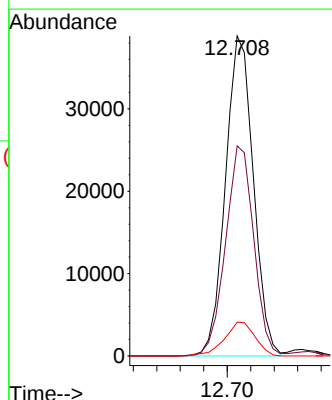
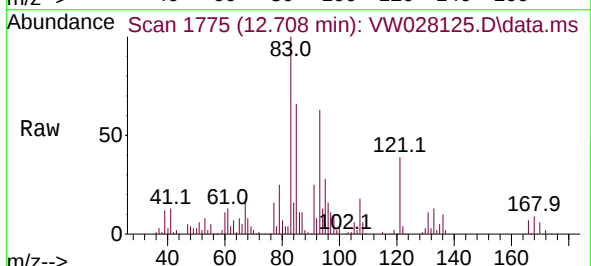
Tgt Ion: 83 Resp: 64047

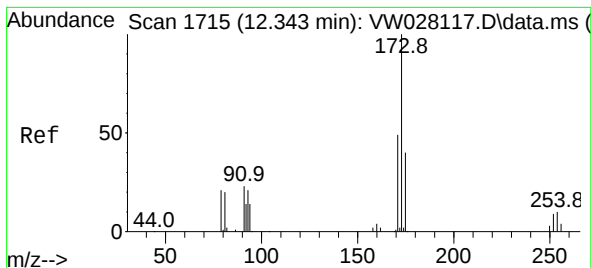
Ion Ratio Lower Upper

83 100

85 65.7 45.7 84.9

131 10.6 9.7 14.5





#59

Bromoform

Concen: 25.860 ug/L

RT: 12.343 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW028125.D

Acq: 07 Mar 2024 14:32

Instrument :

MSVOA_W

ClientSampleId :

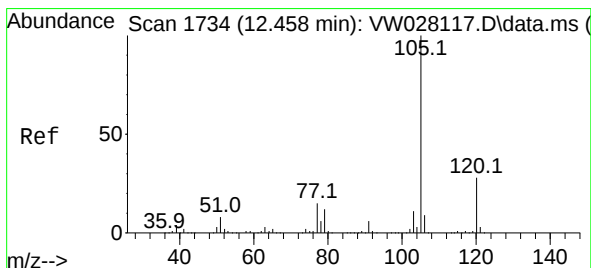
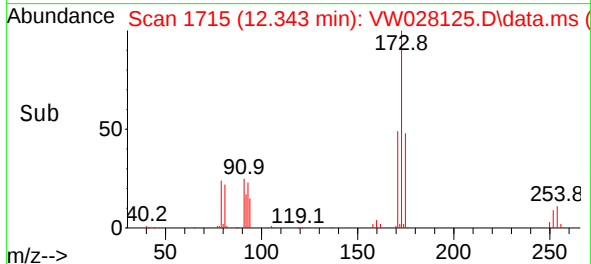
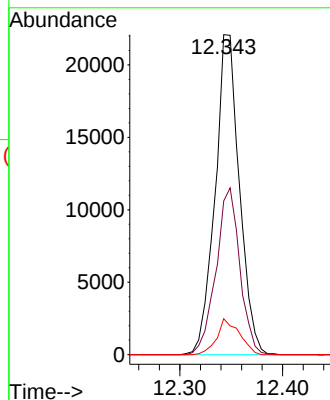
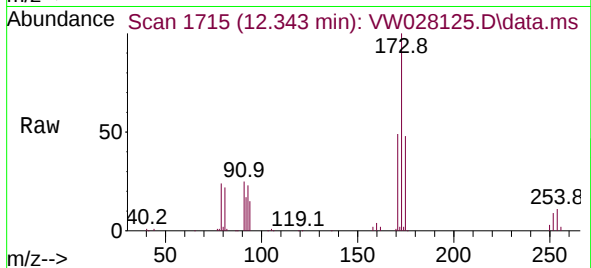
Tgt Ion:173 Resp: 36288

Ion Ratio Lower Upper

173 100

175 50.9 37.2 55.8

254 10.4 8.5 12.7



#60

Isopropylbenzene

Concen: 20.847 ug/L

RT: 12.465 min Scan# 1735

Delta R.T. 0.006 min

Lab File: VW028125.D

Acq: 07 Mar 2024 14:32

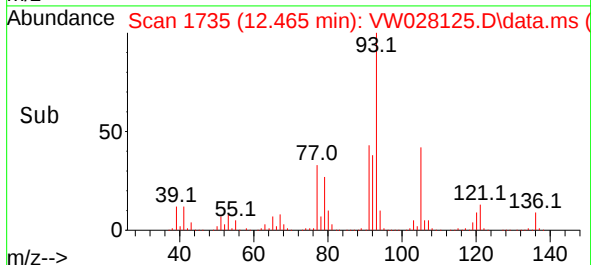
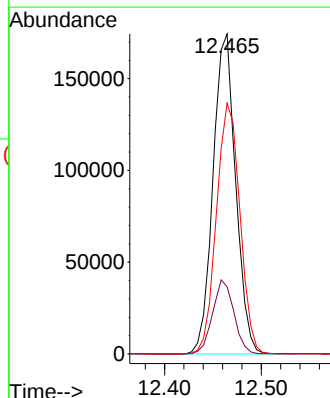
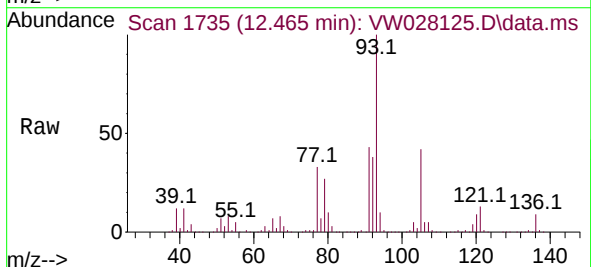
Tgt Ion:105 Resp: 283096

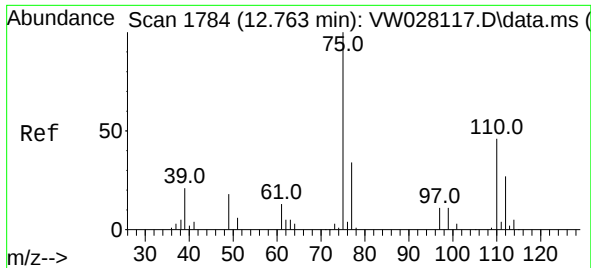
Ion Ratio Lower Upper

105 100

120 21.8 22.2 33.2#

77 81.3 11.8 17.6#





#61

1,2,3-Trichloropropane

Concen: 30.766 ug/L

RT: 12.763 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW028125.D

Acq: 07 Mar 2024 14:32

Instrument :

MSVOA_W

ClientSampleId :

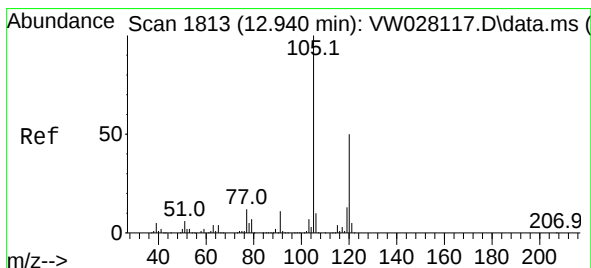
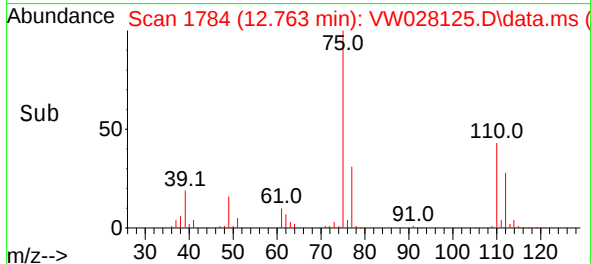
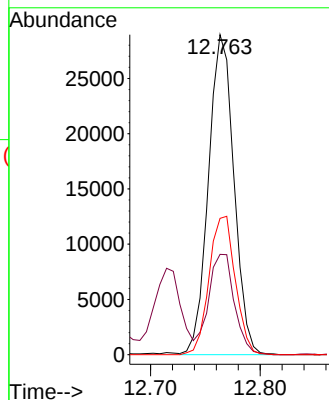
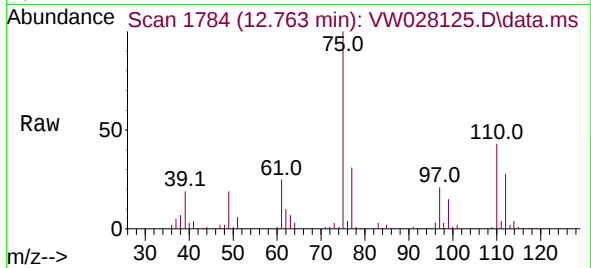
Tgt Ion: 75 Resp: 46813

Ion Ratio Lower Upper

75 100

77 31.9 25.9 38.9

110 44.5 34.1 51.1



#62

1,3,5-Trimethylbenzene

Concen: 16.277 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW028125.D

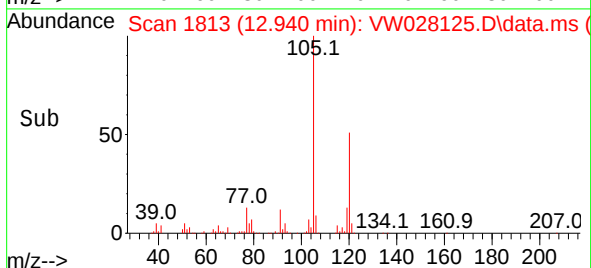
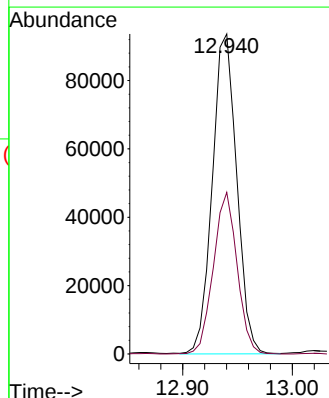
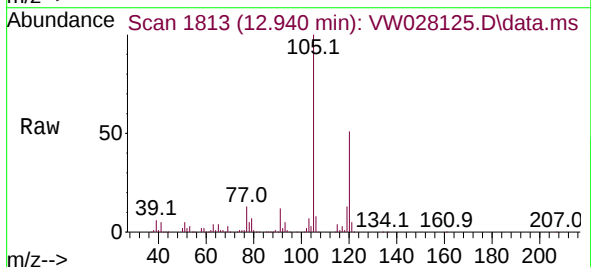
Acq: 07 Mar 2024 14:32

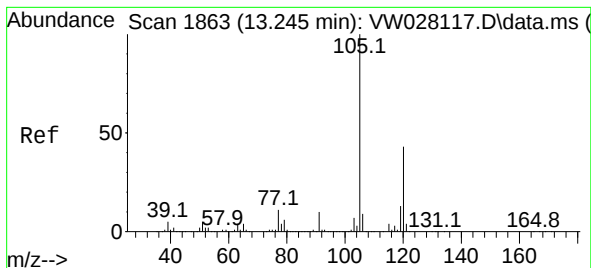
Tgt Ion:105 Resp: 144917

Ion Ratio Lower Upper

105 100

120 49.0 38.6 58.0





#63

1,2,4-Trimethylbenzene

Concen: 17.155 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. 0.000 min

Lab File: VW028125.D

Acq: 07 Mar 2024 14:32

Instrument :

MSVOA_W

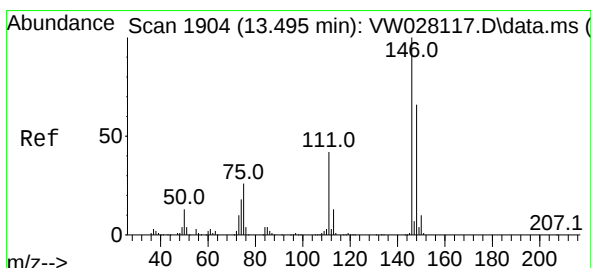
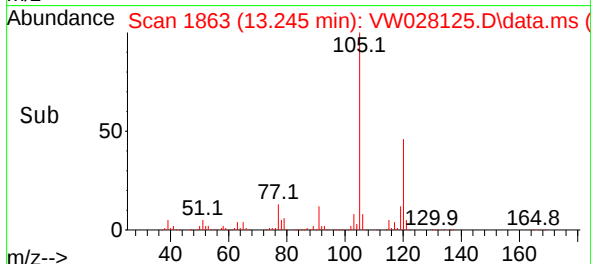
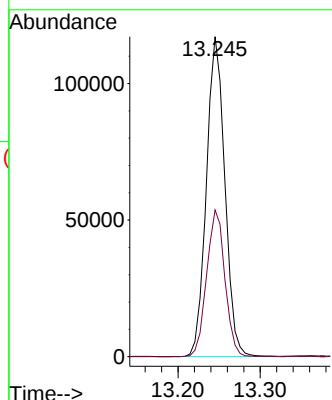
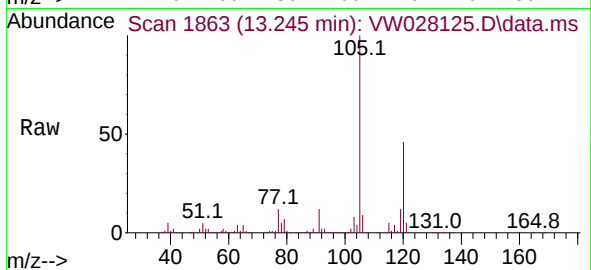
ClientSampleId :

Tgt Ion:105 Resp: 182132

Ion Ratio Lower Upper

105 100

120 45.5 36.4 54.6



#64

1,3-Dichlorobenzene

Concen: 17.924 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW028125.D

Acq: 07 Mar 2024 14:32

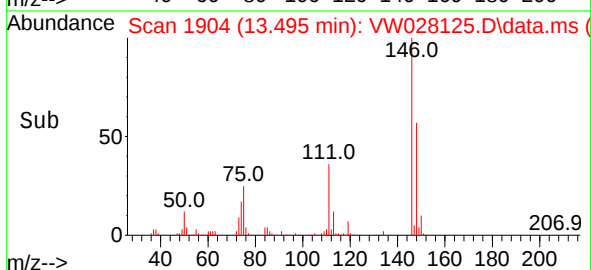
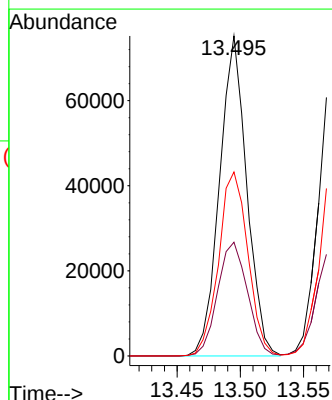
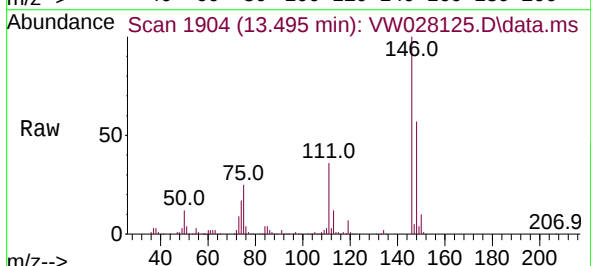
Tgt Ion:146 Resp: 112489

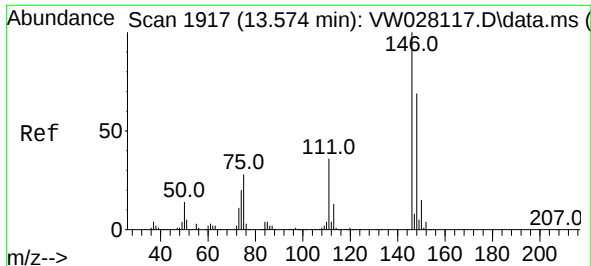
Ion Ratio Lower Upper

146 100

111 35.5 27.9 51.9

148 57.5 38.7 71.9





#65

1,4-Dichlorobenzene

Concen: 18.001 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW028125.D

Acq: 07 Mar 2024 14:32

Instrument :

MSVOA_W

ClientSampleId :

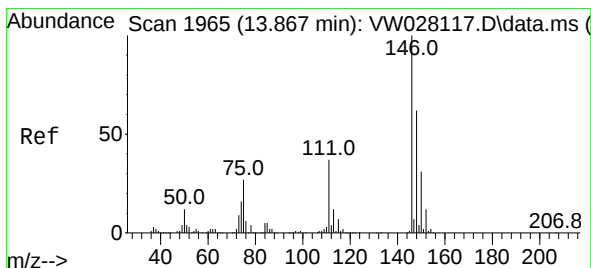
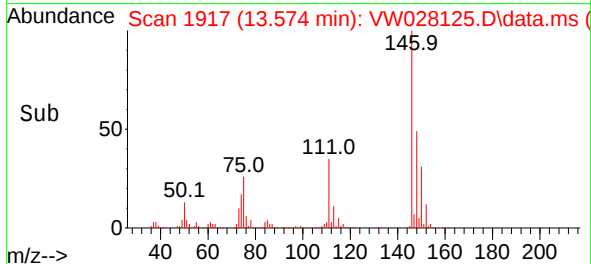
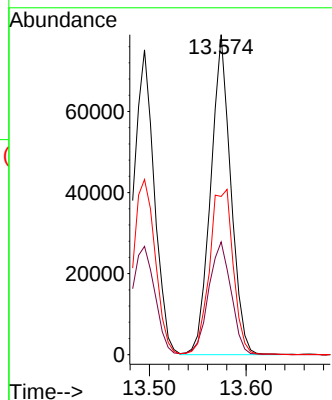
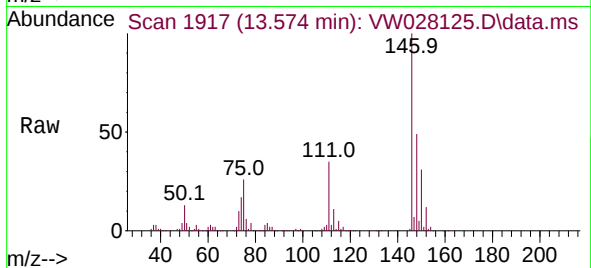
Tgt Ion:146 Resp: 114052

Ion Ratio Lower Upper

146 100

111 35.3 29.3 54.5

148 49.5 47.5 88.1



#67

1,2-Dichlorobenzene

Concen: 18.602 ug/L

RT: 13.861 min Scan# 1964

Delta R.T. -0.006 min

Lab File: VW028125.D

Acq: 07 Mar 2024 14:32

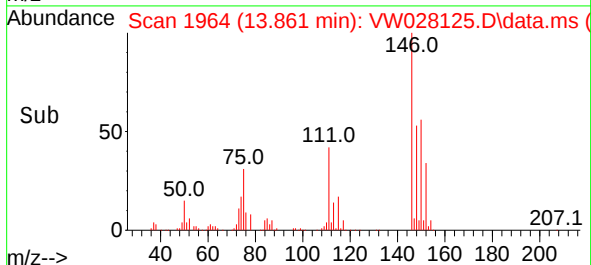
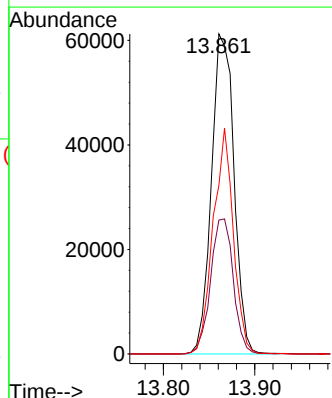
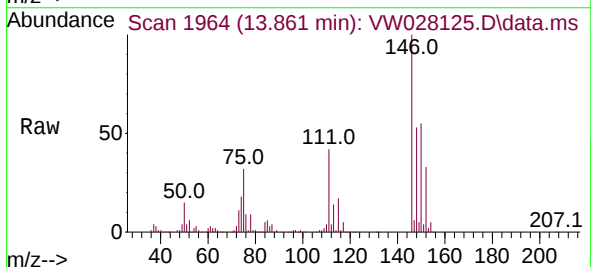
Tgt Ion:146 Resp: 105158

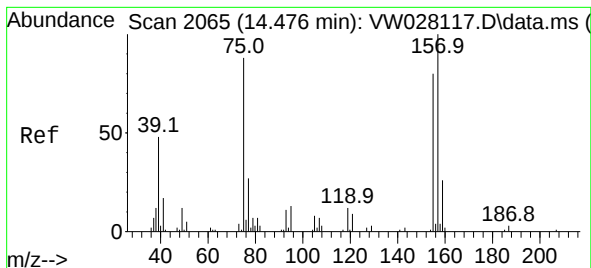
Ion Ratio Lower Upper

146 100

111 41.9 35.4 53.0

148 52.8 55.4 83.2#





#68

1,2-Dibromo-3-chloropropane

Concen: 31.312 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. 0.000 min

Lab File: VW028125.D

Acq: 07 Mar 2024 14:32

Instrument :

MSVOA_W

ClientSampleId :

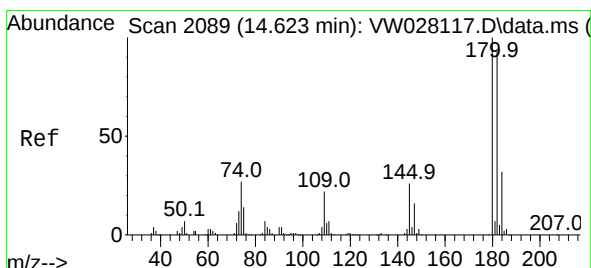
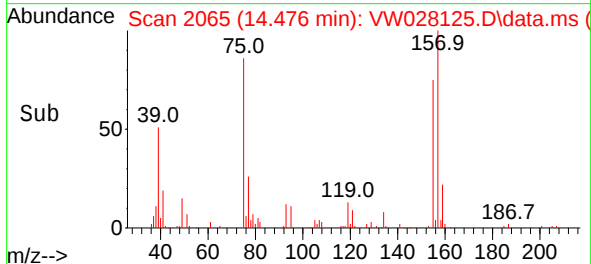
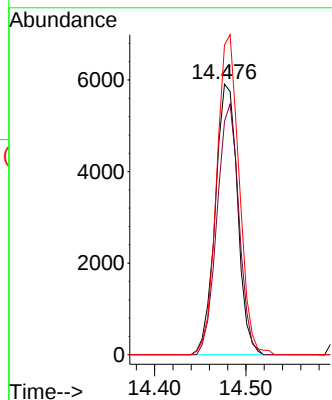
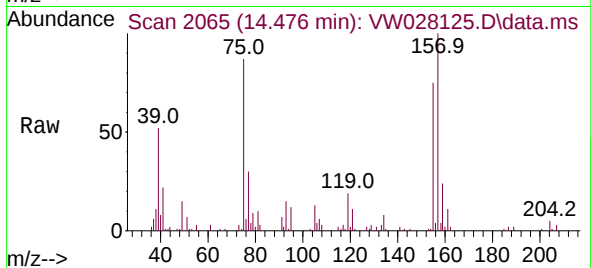
Tgt Ion: 75 Resp: 10007

Ion Ratio Lower Upper

75 100

155 86.3 69.3 103.9

157 114.5 82.4 123.6



#69

1,3,5-Trichlorobenzene

Concen: 13.841 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

Lab File: VW028125.D

Acq: 07 Mar 2024 14:32

Tgt Ion:180 Resp: 64101

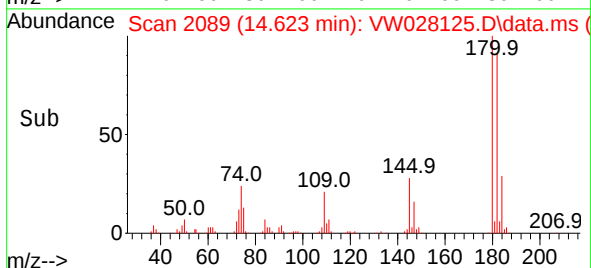
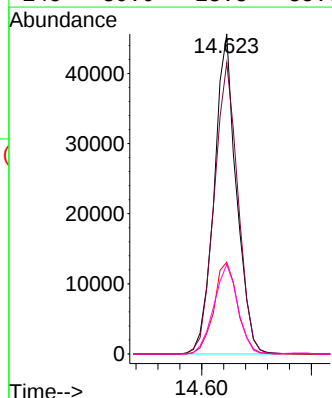
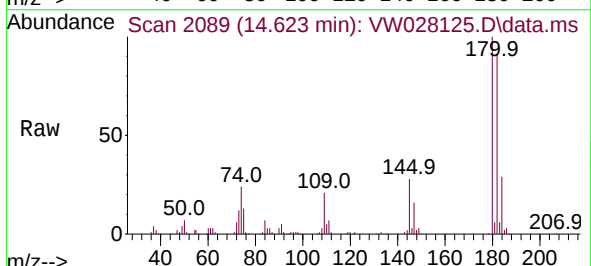
Ion Ratio Lower Upper

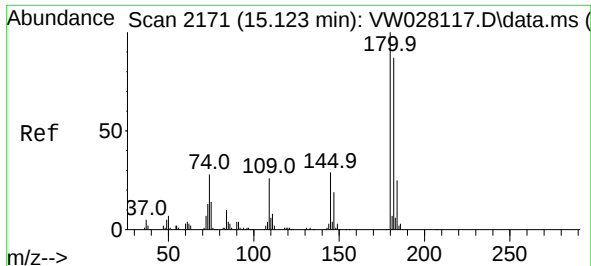
180 100

182 97.0 78.2 117.4

184 30.5 25.4 38.2

145 30.0 23.8 35.6





#70

1,2,4-trichlorobenzene

Concen: 14.846 ug/L

RT: 15.123 min Scan# 2171

Delta R.T. 0.000 min

Lab File: VW028125.D

Acq: 07 Mar 2024 14:32

Instrument :

MSVOA_W

ClientSampleId :

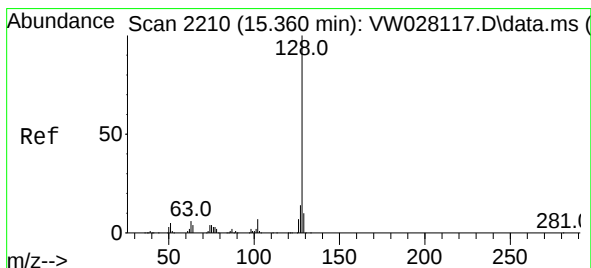
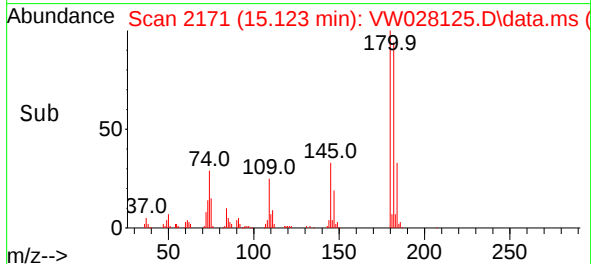
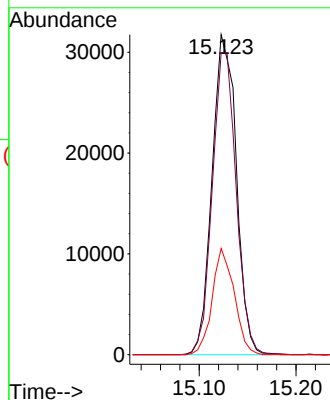
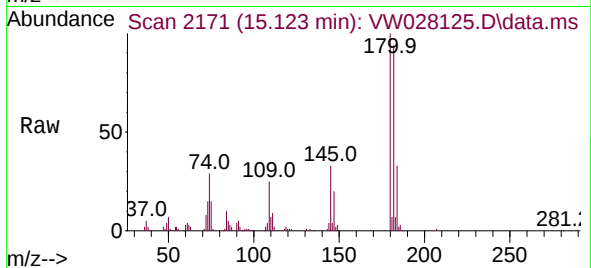
Tgt Ion:180 Resp: 55217

Ion Ratio Lower Upper

180 100

182 93.2 80.1 120.1

145 30.2 24.3 36.5



#71

Naphthalene

Concen: 21.539 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW028125.D

Acq: 07 Mar 2024 14:32

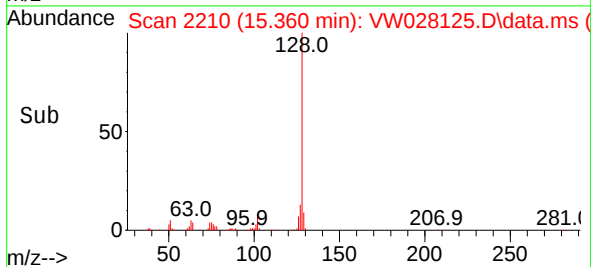
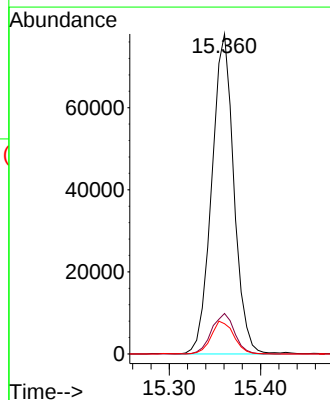
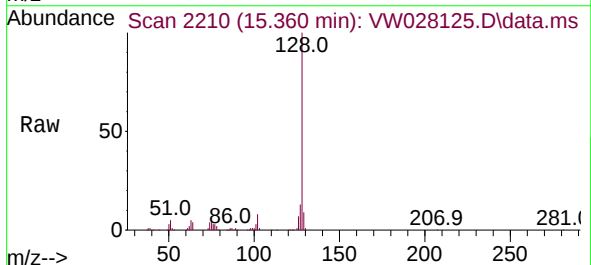
Tgt Ion:128 Resp: 131021

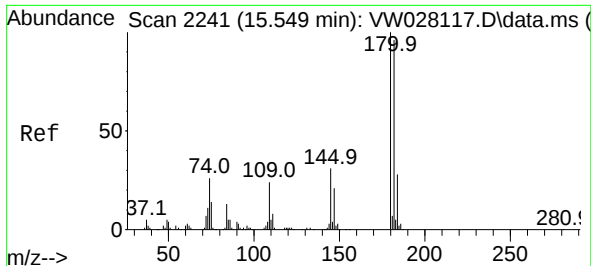
Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

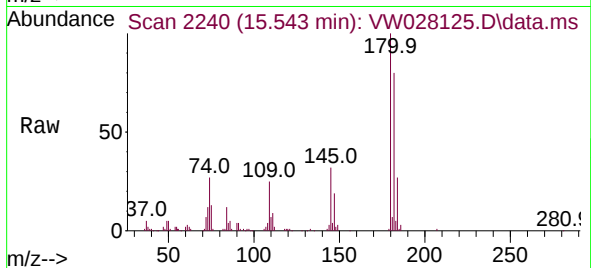
129 10.5 8.6 13.0





#72
 1,2,3-Trichlorobenzene
 Concen: 14.970 ug/L
 RT: 15.543 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VW028125.D
 Acq: 07 Mar 2024 14:32

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:180 Resp: 46562
 Ion Ratio Lower Upper
 180 100
 182 97.7 81.4 122.2
 145 33.6 26.2 39.2

