

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052024\
 Data File : VW028648.D
 Acq On : 20 May 2024 10:23
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 21 01:25:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050224SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri May 17 23:04:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	278009	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	259537	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	124300	25.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.363	65	98990	18.751	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.000%
7) Chloroethane-d5	2.899	69	86349	21.362	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.440%
11) 1,1-Dichloroethene-d2	4.021	65	45114	20.454	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.800%
21) 2-Butanone-d5	7.081	46	53890	39.127	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	78.260%
24) Chloroform-d	7.648	84	214430	24.684	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.720%
26) 1,2-Dichloroethane-d4	8.307	65	118174	23.762	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.040%
32) Benzene-d6	8.276	84	400430	23.125	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.480%
36) 1,2-Dichloropropane-d6	9.270	67	125022	23.994	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.960%
41) Toluene-d8	10.325	98	360928	23.537	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.160%
43) trans-1,3-Dichloroprop...	10.575	79	48052	22.924	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.680%
47) 2-Hexanone-d5	10.922	63	38013	42.298	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.600%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	95918	21.953	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.800%
66) 1,2-Dichlorobenzene-d4	13.849	152	112757	23.800	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.015	85	86272	21.354	ug/L	94
3) Chloromethane	2.223	50	111680	22.314	ug/L	99
5) Vinyl chloride	2.375	62	130580	23.174	ug/L	97
6) Bromomethane	2.790	94	79196	24.296	ug/L	94
8) Chloroethane	2.936	64	80645	25.095	ug/L	99
9) Trichlorofluoromethane	3.271	101	107377	23.211	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	4.082	101	101946	23.902	ug/L #	75
12) 1,1-Dichloroethene	4.045	96	92024	24.051	ug/L	86
13) Acetone	4.131	43	46982	37.496	ug/L	97
14) Carbon disulfide	4.393	76	295453	22.848	ug/L	98
15) Methyl Acetate	4.679	43	43753	20.071	ug/L #	81
16) Methylene chloride	4.917	84	103640	24.105	ug/L	97
17) trans-1,2-Dichloroethene	5.429	96	99778	25.048	ug/L	99
18) Methyl tert-butyl Ether	5.429	73	145026	24.671	ug/L	100
19) 1,1-Dichloroethane	6.216	63	203705	25.788	ug/L	97
20) cis-1,2-Dichloroethene	7.167	96	108219	25.959	ug/L	97
22) 2-Butanone	7.173	43	60624	37.696	ug/L	100
23) Bromochloromethane	7.514	128	46385	25.507	ug/L	96
25) Chloroform	7.679	83	203006	26.571	ug/L	95

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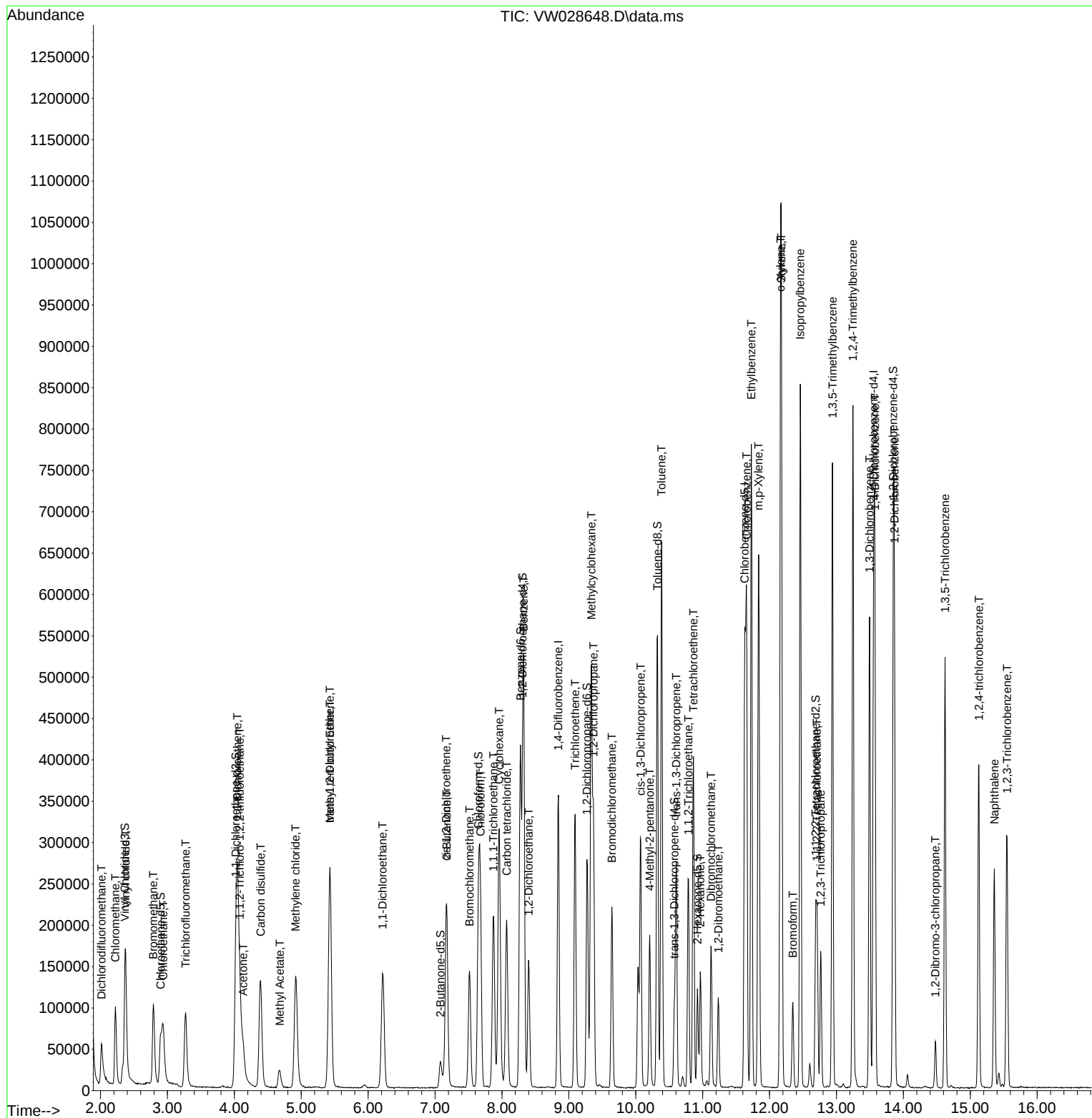
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	141516	25.481	ug/L	98
29) Cyclohexane	7.959	56	179280	24.227	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	164599	25.308	ug/L	99
31) Carbon tetrachloride	8.069	117	148624	25.064	ug/L	99
33) Benzene	8.325	78	430076	25.554	ug/L	100
34) Trichloroethene	9.093	95	112248	24.876	ug/L	97
35) Methylcyclohexane	9.337	83	195358	24.774	ug/L	98
37) 1,2-Dichloropropane	9.368	63	114750	26.166	ug/L	100
38) Bromodichloromethane	9.642	83	140592	26.299	ug/L	95
39) cis-1,3-Dichloropropene	10.075	75	169325	26.939	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	124749	41.796	ug/L	98
42) Toluene	10.386	91	460440	26.488	ug/L	96
44) trans-1,3-Dichloropropene	10.605	75	138380	26.111	ug/L	100
45) 1,1,2-Trichloroethane	10.788	97	76551	24.097	ug/L	93
46) Tetrachloroethene	10.861	164	82611	25.411	ug/L	96
48) 2-Hexanone	10.965	43	89751	42.593	ug/L	98
49) Dibromochloromethane	11.123	129	85326	26.777	ug/L	97
50) 1,2-Dibromoethane	11.233	107	69649	23.405	ug/L	97
51) Chlorobenzene	11.654	112	274102	25.492	ug/L	99
52) Ethylbenzene	11.727	91	520477	26.458	ug/L	95
53) m,p-Xylene	11.837	106	191994	26.626	ug/L	99
54) o-Xylene	12.166	106	179563	26.917	ug/L	98
55) Styrene	12.178	104	322307	28.514	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.709	83	88023	22.085	ug/L	99
59) Bromoform	12.349	173	43688	24.091	ug/L	100
60) Isopropylbenzene	12.459	105	513954	27.254	ug/L	100
61) 1,2,3-Trichloropropane	12.763	75	66747	22.219	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	375292	28.127	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	416277	28.956	ug/L	100
64) 1,3-Dichlorobenzene	13.495	146	210340	26.812	ug/L	95
65) 1,4-Dichlorobenzene	13.574	146	212230	26.461	ug/L	88
67) 1,2-Dichlorobenzene	13.867	146	185091	26.360	ug/L	100
68) 1,2-Dibromo-3-chloropr...	14.476	75	14070	20.032	ug/L	94
69) 1,3,5-Trichlorobenzene	14.623	180	141299	26.841	ug/L	99
70) 1,2,4-trichlorobenzene	15.129	180	110728	26.032	ug/L	99
71) Naphthalene	15.360	128	209994	23.172	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	97644	25.440	ug/L	97

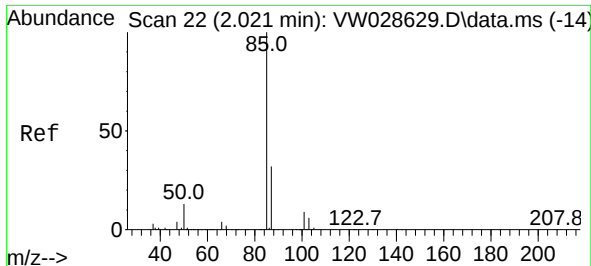
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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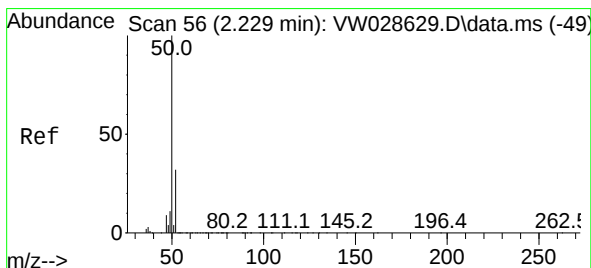
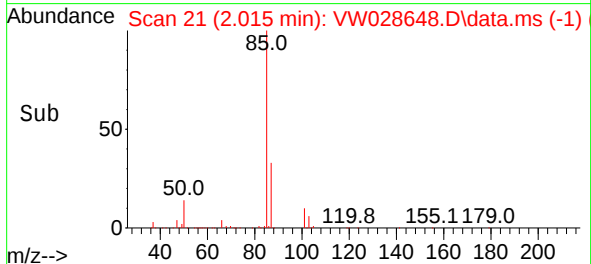
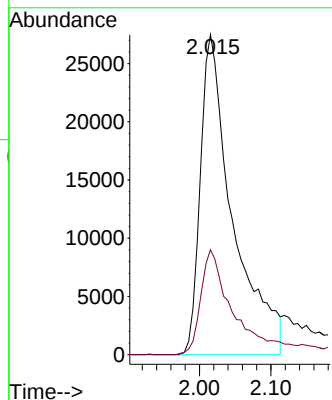
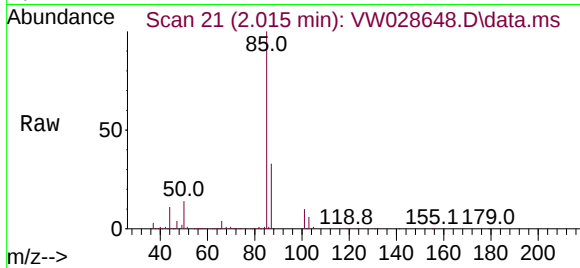




#2
 Dichlorodifluoromethane
 Concen: 21.354 ug/L
 RT: 2.015 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VW028648.D
 Acq: 20 May 2024 10:23

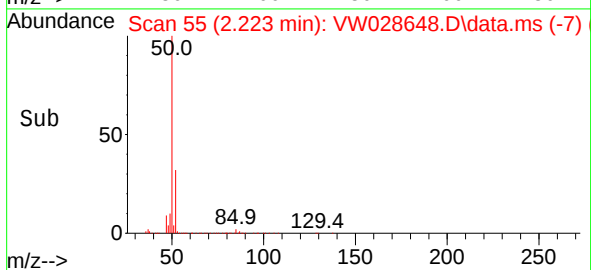
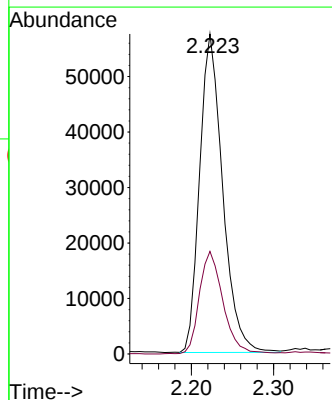
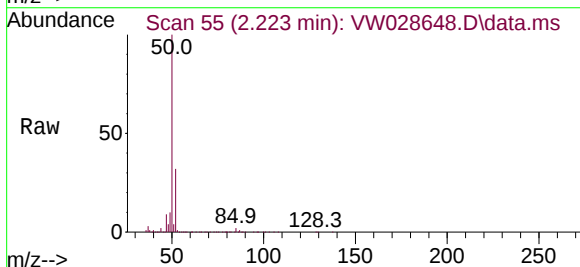
Instrument :
 MSVOA_W
 ClientSampleId :

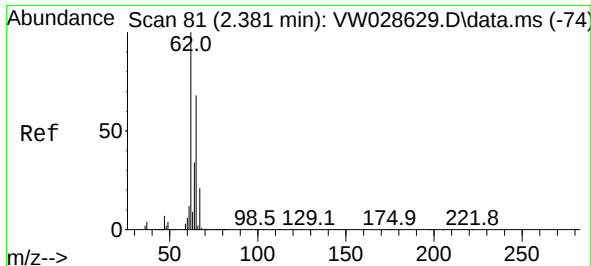
Tgt Ion: 85 Resp: 86272
 Ion Ratio Lower Upper
 85 100
 87 30.5 21.9 32.9



#3
 Chloromethane
 Concen: 22.314 ug/L
 RT: 2.223 min Scan# 55
 Delta R.T. -0.006 min
 Lab File: VW028648.D
 Acq: 20 May 2024 10:23

Tgt Ion: 50 Resp: 111680
 Ion Ratio Lower Upper
 50 100
 52 32.1 22.0 41.0

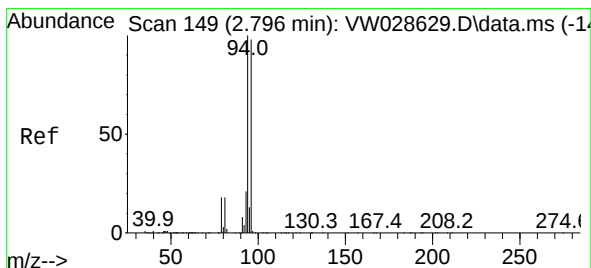
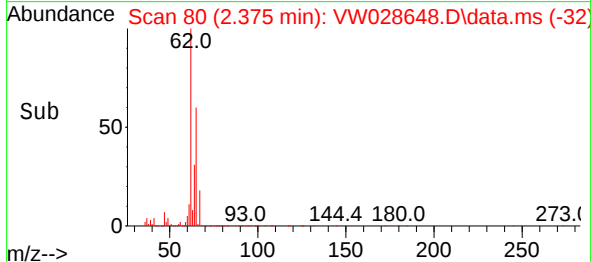
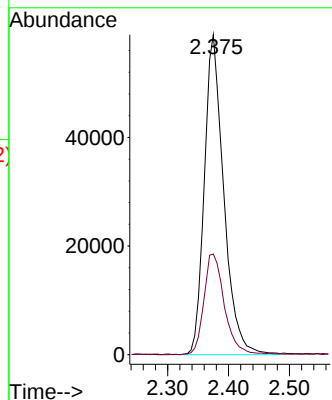
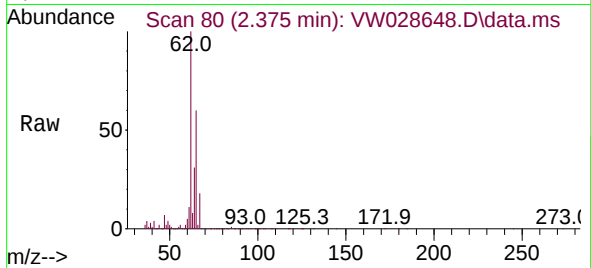




#5
 Vinyl chloride
 Concen: 23.174 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: VW028648.D
 Acq: 20 May 2024 10:23

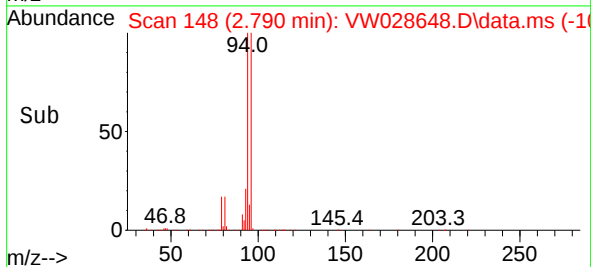
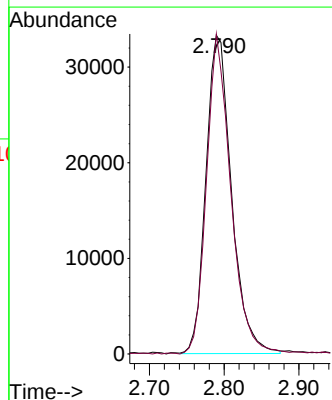
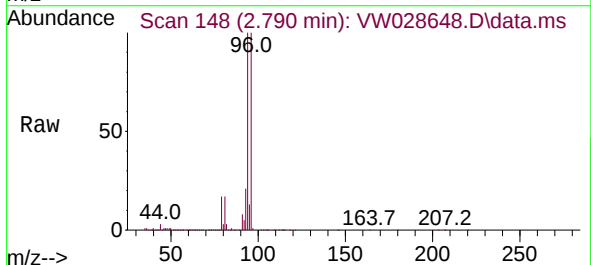
Instrument :
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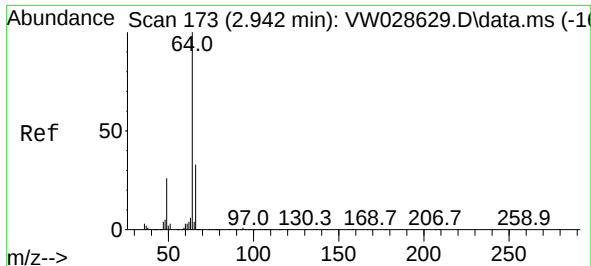
Tgt Ion: 62 Resp: 130580
 Ion Ratio Lower Upper
 62 100
 64 31.5 23.3 43.3



#6
 Bromomethane
 Concen: 24.296 ug/L
 RT: 2.790 min Scan# 148
 Delta R.T. -0.006 min
 Lab File: VW028648.D
 Acq: 20 May 2024 10:23

Tgt Ion: 94 Resp: 79196
 Ion Ratio Lower Upper
 94 100
 96 100.4 66.3 123.1

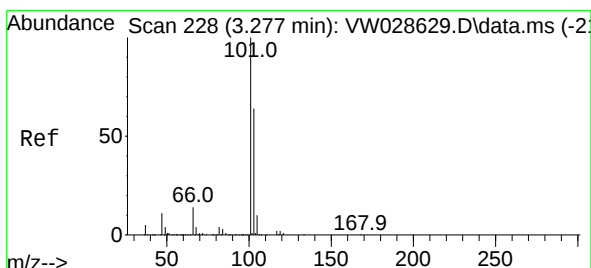
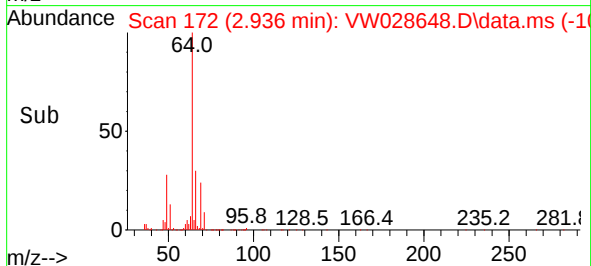
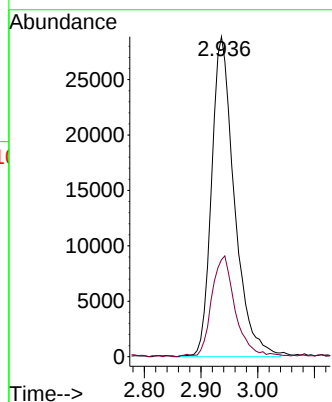
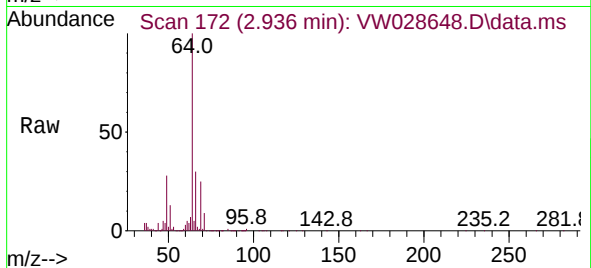




#8
Chloroethane
Concen: 25.095 ug/L
RT: 2.936 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW028648.D
Acq: 20 May 2024 10:23

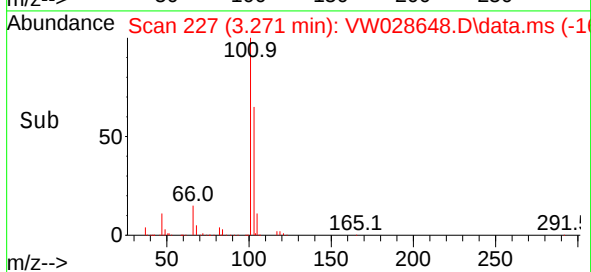
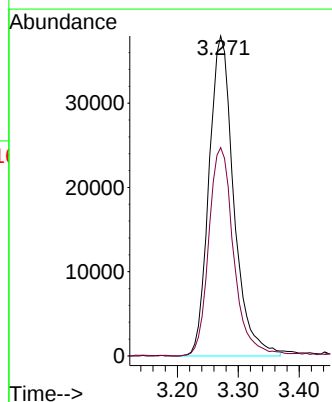
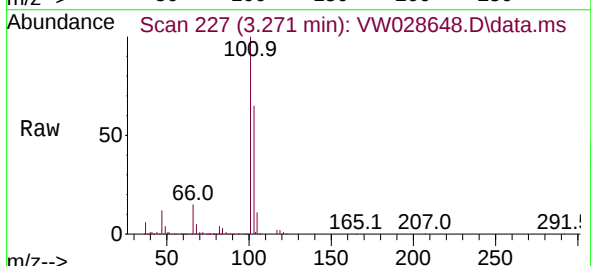
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MSVOA_W
ClientSampleId :

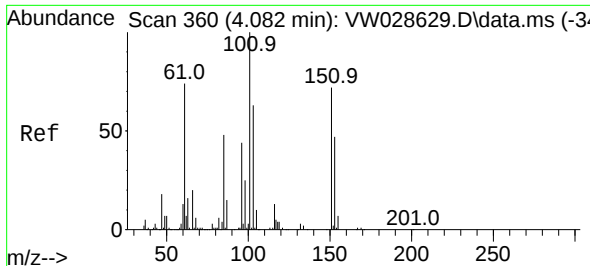
Tgt Ion: 64 Resp: 80645
Ion Ratio Lower Upper
64 100
66 30.3 21.7 40.3



#9
Trichlorofluoromethane
Concen: 23.211 ug/L
RT: 3.271 min Scan# 227
Delta R.T. -0.006 min
Lab File: VW028648.D
Acq: 20 May 2024 10:23

Tgt Ion:101 Resp: 107377
Ion Ratio Lower Upper
101 100
103 65.6 50.4 75.6





#10

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

Concen: 23.902 ug/L

RT: 4.082 min Scan# 3

Delta R.T. 0.000 min

Lab File: VW028648.D

Acq: 20 May 2024 10:23

Instrument :

MSVOA_W

ClientSampleId :

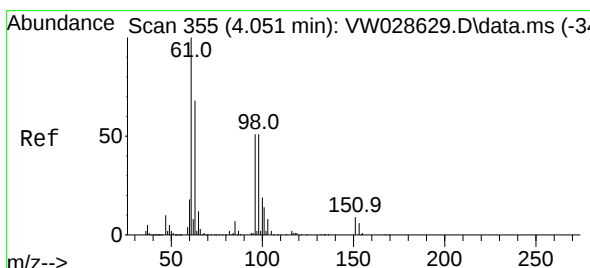
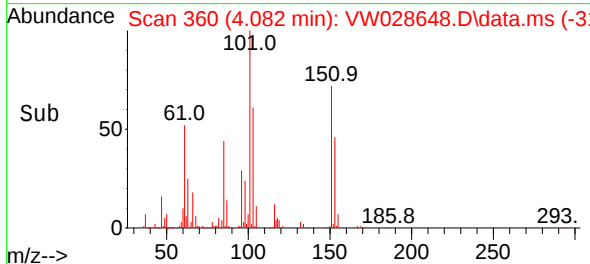
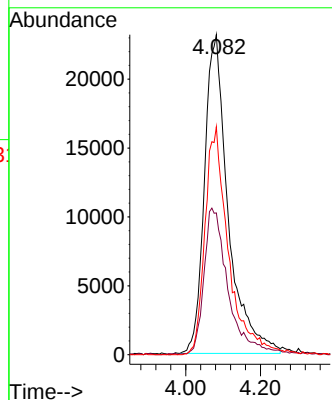
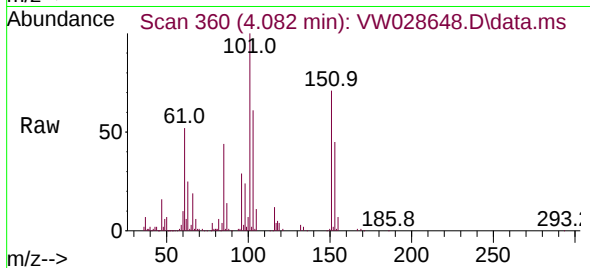
Tgt Ion:101 Resp: 101946

Ion Ratio Lower Upper

101 100

85 43.9 35.8 53.8

151 29.7 49.6 74.4#



#12

1,1-Dichloroethene

Concen: 24.051 ug/L

RT: 4.045 min Scan# 354

Delta R.T. -0.006 min

Lab File: VW028648.D

Acq: 20 May 2024 10:23

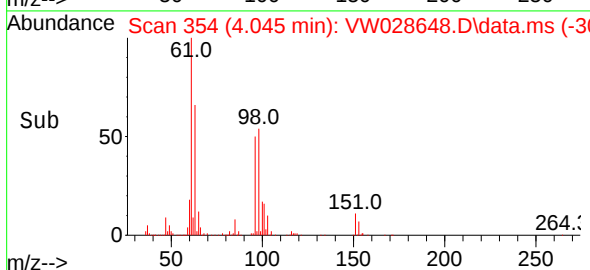
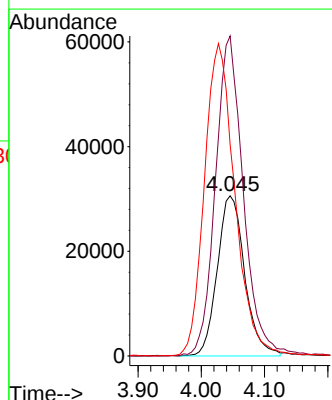
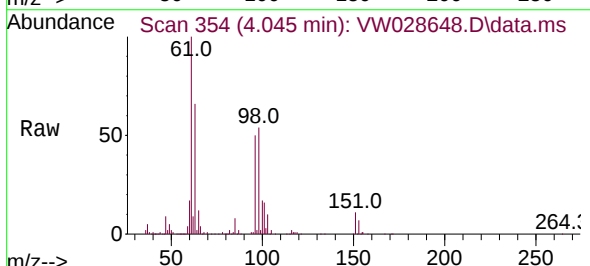
Tgt Ion: 96 Resp: 92024

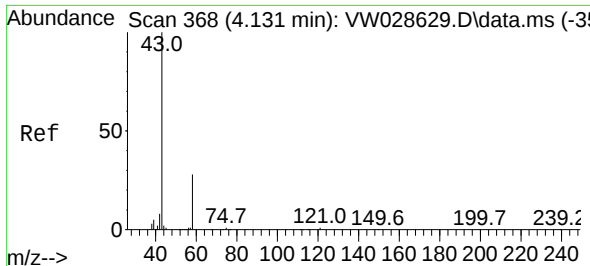
Ion Ratio Lower Upper

96 100

61 199.8 131.6 244.4

63 132.0 111.4 206.8

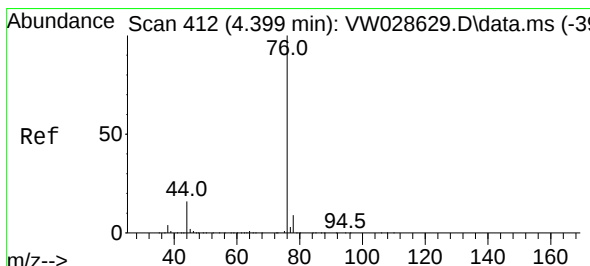
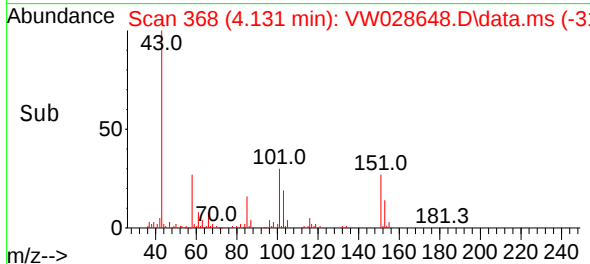
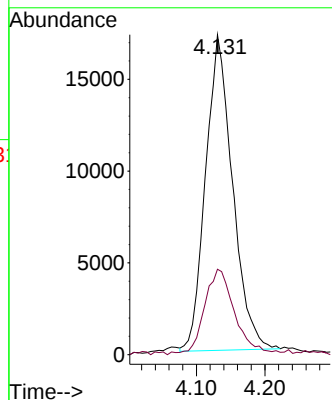
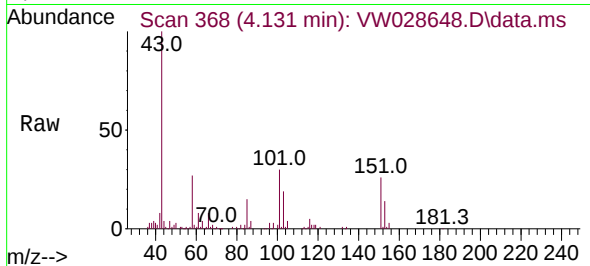




#13
Acetone
Concen: 37.496 ug/L
RT: 4.131 min Scan# 368
Delta R.T. 0.000 min
Lab File: VW028648.D
Acq: 20 May 2024 10:23

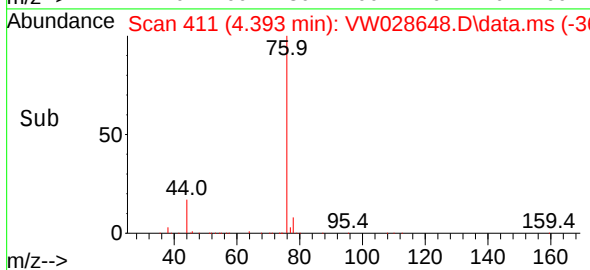
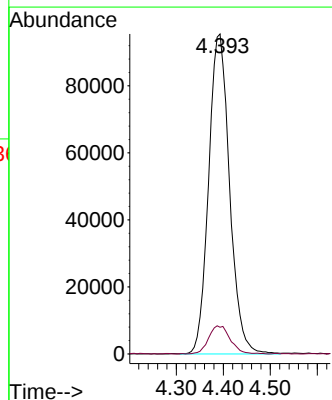
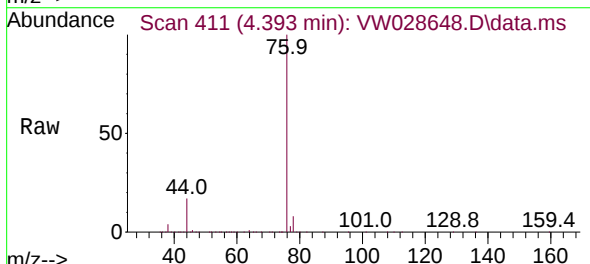
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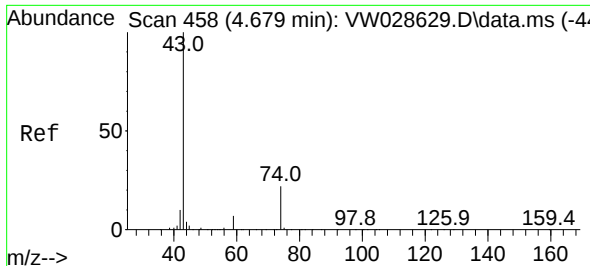
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Ion Ratio Lower Upper
43 100
58 28.9 0.0 54.4



#14
Carbon disulfide
Concen: 22.848 ug/L
RT: 4.393 min Scan# 411
Delta R.T. -0.006 min
Lab File: VW028648.D
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Tgt Ion: 76 Resp: 295453
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.0

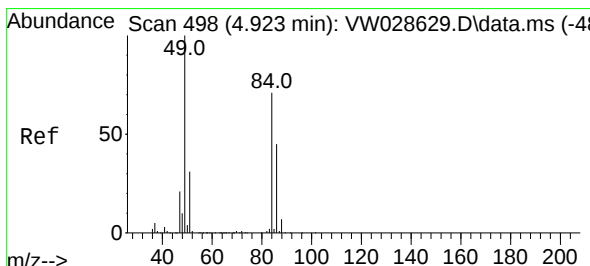
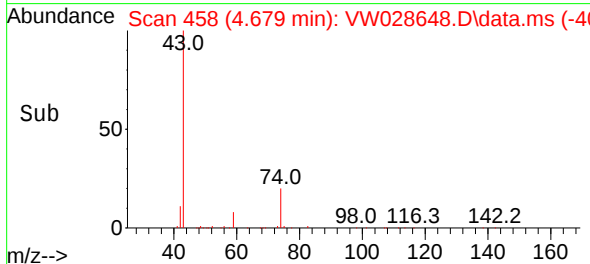
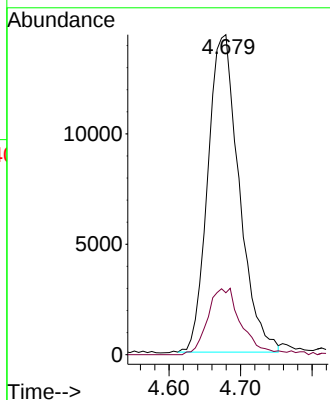
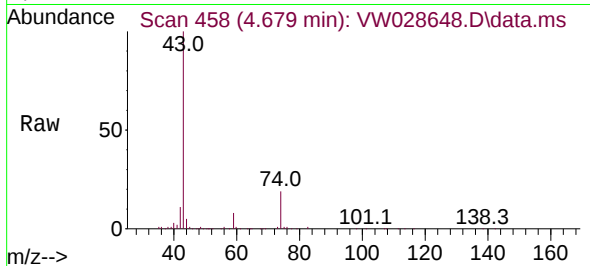




#15
Methyl Acetate
Concen: 20.071 ug/L
RT: 4.679 min Scan# 458
Delta R.T. 0.000 min
Lab File: VW028648.D
Acq: 20 May 2024 10:23

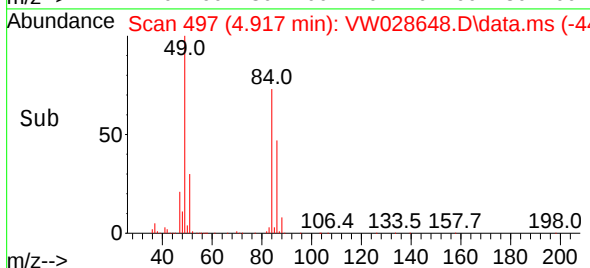
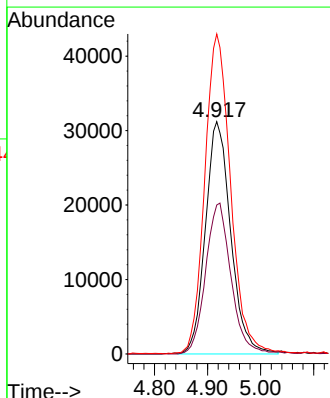
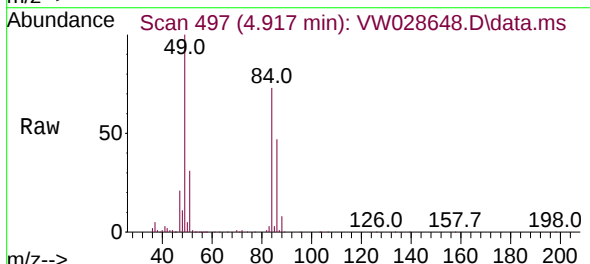
Instrument :
MSVOA_W
ClientSampleId :

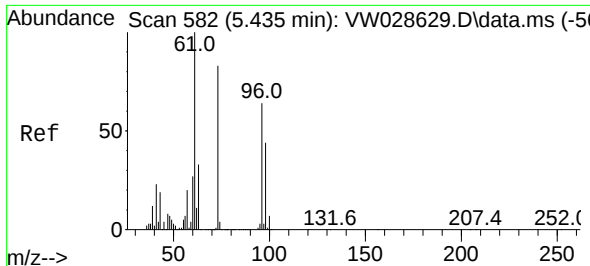
Tgt Ion: 43 Resp: 43753
Ion Ratio Lower Upper
43 100
74 12.8 17.6 26.4#



#16
Methylene chloride
Concen: 24.105 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.006 min
Lab File: VW028648.D
Acq: 20 May 2024 10:23

Tgt Ion: 84 Resp: 103640
Ion Ratio Lower Upper
84 100
86 64.2 44.4 82.4
49 137.7 100.2 186.2





#17

trans-1,2-Dichloroethene

Concen: 25.048 ug/L

RT: 5.429 min Scan# 581

Delta R.T. -0.006 min

Lab File: VW028648.D

Acq: 20 May 2024 10:23

Instrument :

MSVOA_W

ClientSampleId :

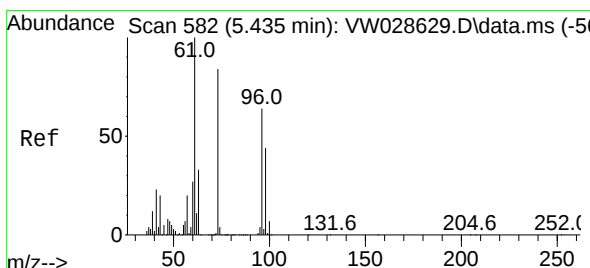
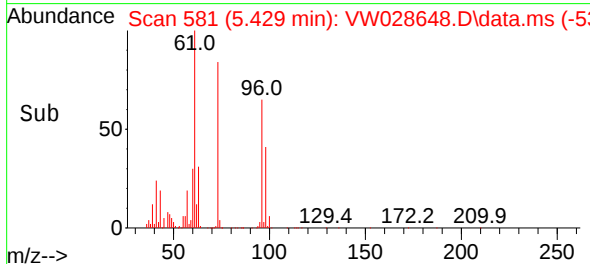
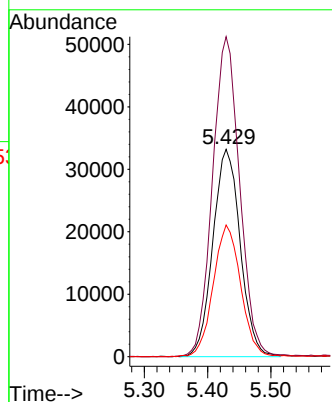
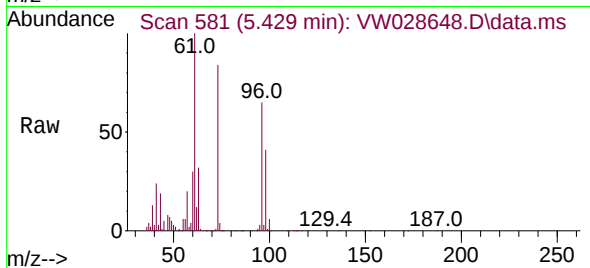
Tgt Ion: 96 Resp: 99778

Ion Ratio Lower Upper

96 100

61 154.3 109.0 202.4

98 63.5 44.2 82.0



#18

Methyl tert-butyl Ether

Concen: 24.671 ug/L

RT: 5.429 min Scan# 581

Delta R.T. -0.006 min

Lab File: VW028648.D

Acq: 20 May 2024 10:23

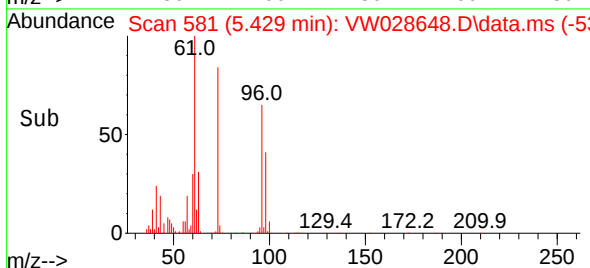
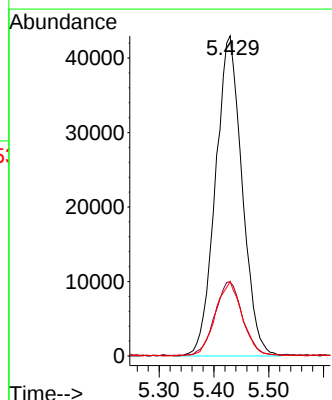
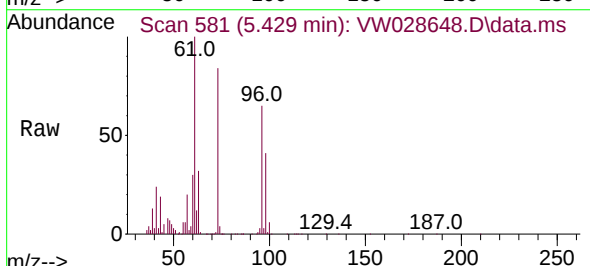
Tgt Ion: 73 Resp: 145026

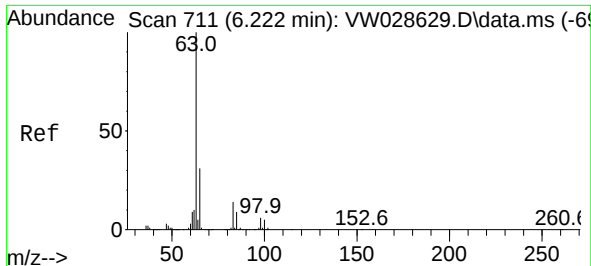
Ion Ratio Lower Upper

73 100

43 23.8 19.2 28.8

57 23.1 18.5 27.7





#19

1,1-Dichloroethane

Concen: 25.788 ug/L

RT: 6.216 min Scan# 711

Delta R.T. -0.006 min

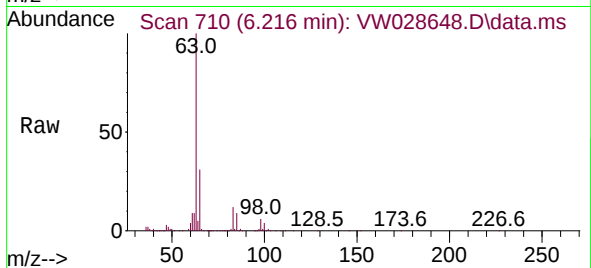
Lab File: VW028648.D

Acq: 20 May 2024 10:23

Instrument :

MSVOA_W

ClientSampleId :



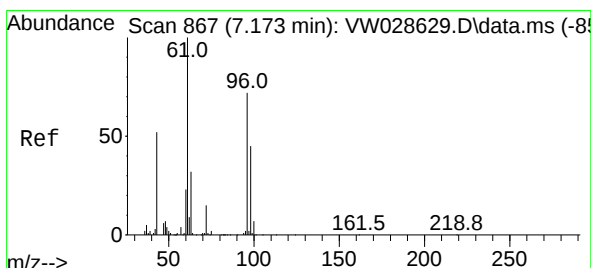
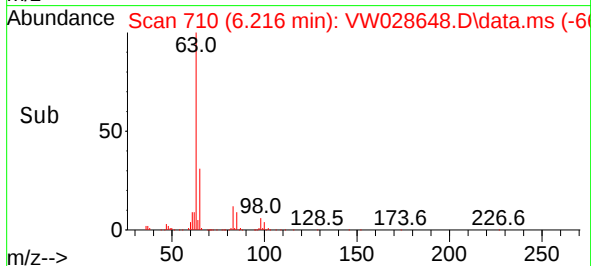
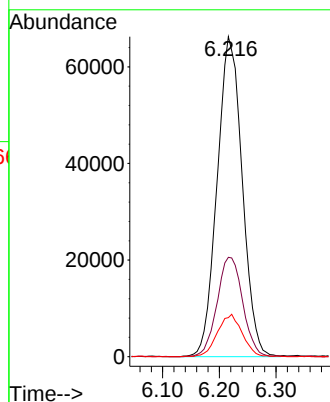
Tgt Ion: 63 Resp: 203705

Ion Ratio Lower Upper

63 100

65 31.1 22.9 42.5

83 12.2 9.0 16.8



#20

cis-1,2-Dichloroethene

Concen: 25.959 ug/L

RT: 7.167 min Scan# 866

Delta R.T. -0.006 min

Lab File: VW028648.D

Acq: 20 May 2024 10:23

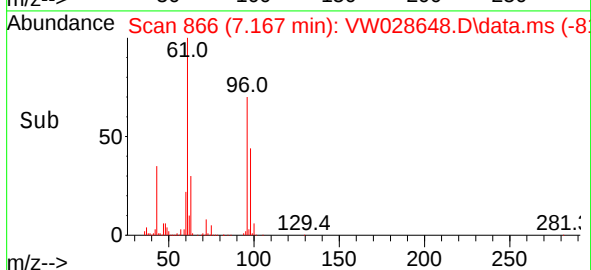
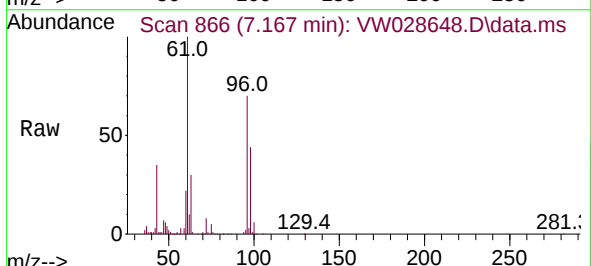
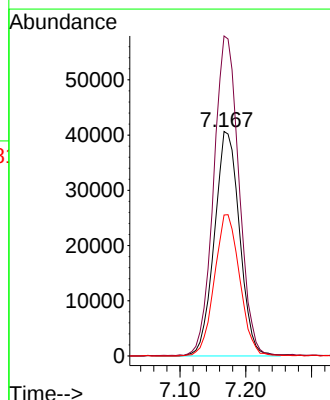
Tgt Ion: 96 Resp: 108219

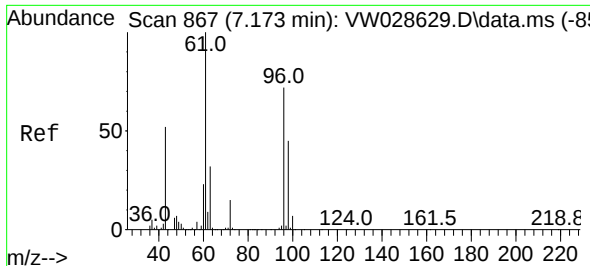
Ion Ratio Lower Upper

96 100

61 142.6 102.8 191.0

98 62.8 44.3 82.3





#22

2-Butanone

Concen: 37.696 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.000 min

Lab File: VW028648.D

Acq: 20 May 2024 10:23

Instrument :

MSVOA_W

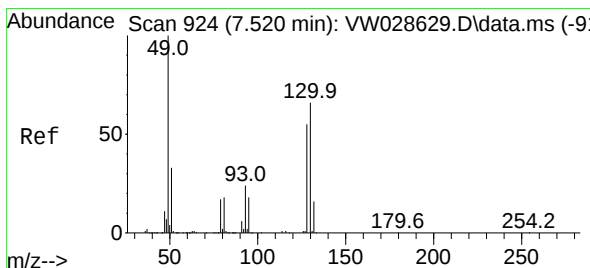
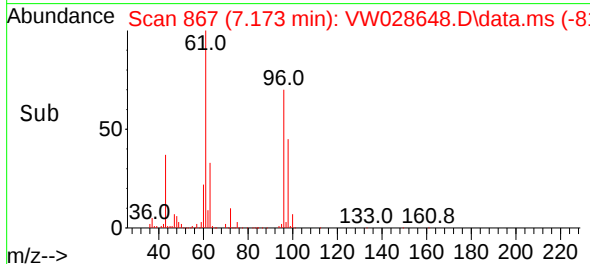
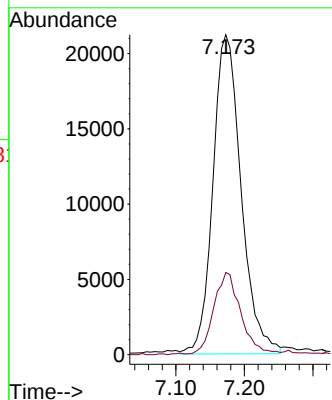
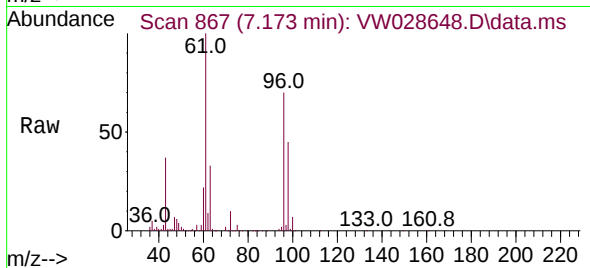
ClientSampleId :

Tgt Ion: 43 Resp: 60624

Ion Ratio Lower Upper

43 100

72 24.2 12.2 36.6



#23

Bromochloromethane

Concen: 25.507 ug/L

RT: 7.514 min Scan# 923

Delta R.T. -0.006 min

Lab File: VW028648.D

Acq: 20 May 2024 10:23

Tgt Ion: 128 Resp: 46385

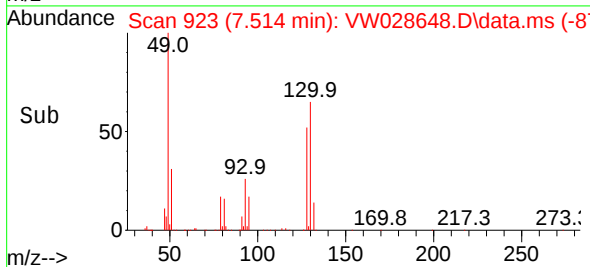
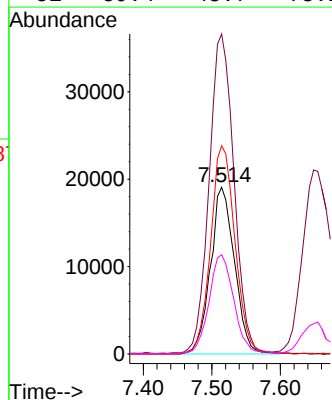
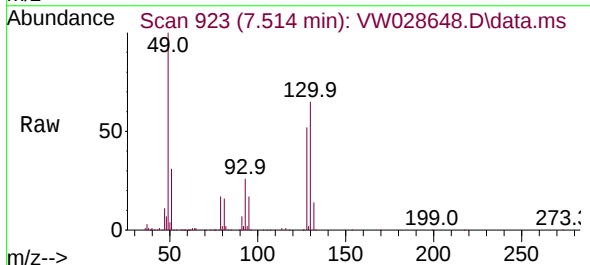
Ion Ratio Lower Upper

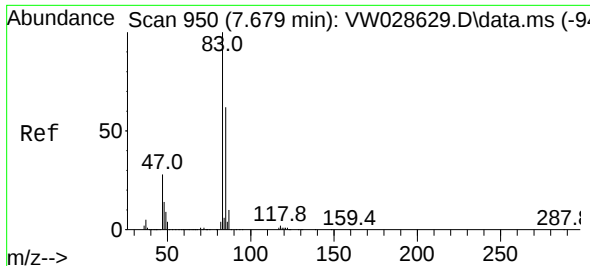
128 100

49 191.9 139.6 259.2

130 124.9 91.2 169.4

51 59.4 48.7 73.1





#25

Chloroform

Concen: 26.571 ug/L

RT: 7.679 min Scan# 950

Delta R.T. 0.000 min

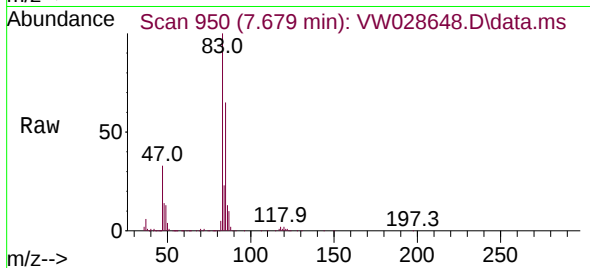
Lab File: VW028648.D

Acq: 20 May 2024 10:23

Instrument :

MSVOA_W

ClientSampleId :

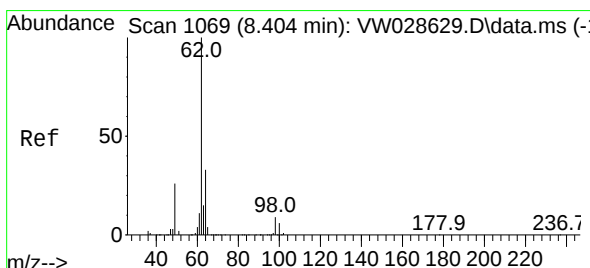
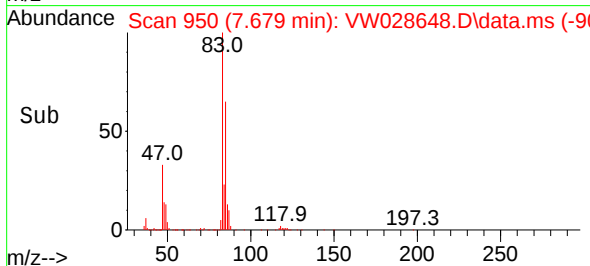
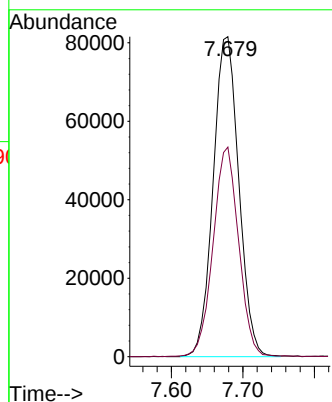


Tgt Ion: 83 Resp: 203006

Ion Ratio Lower Upper

83 100

85 65.5 43.4 80.6



#27

1,2-Dichloroethane

Concen: 25.481 ug/L

RT: 8.398 min Scan# 1068

Delta R.T. -0.006 min

Lab File: VW028648.D

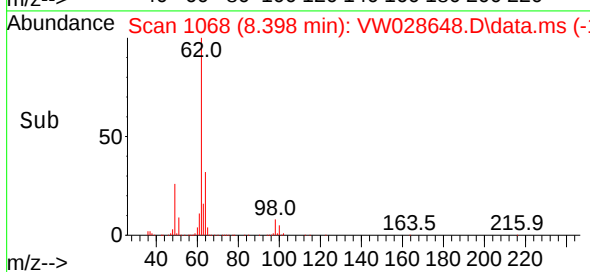
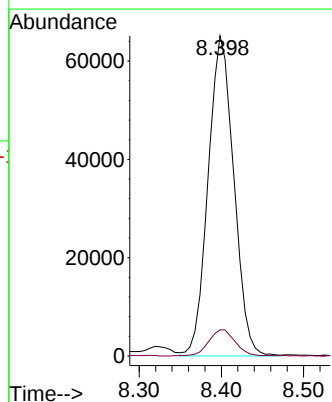
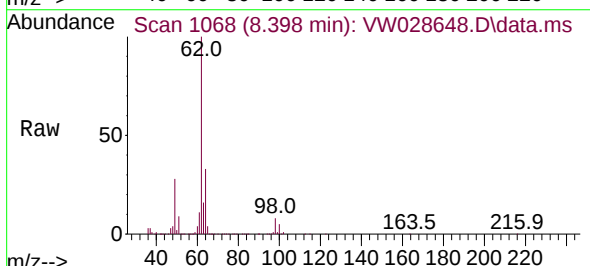
Acq: 20 May 2024 10:23

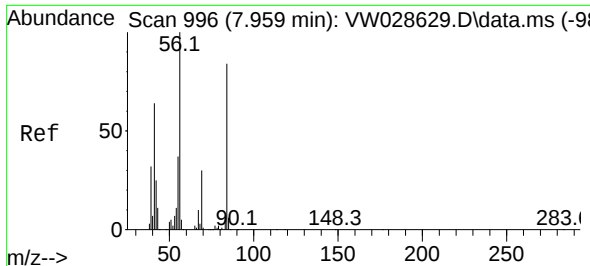
Tgt Ion: 62 Resp: 141516

Ion Ratio Lower Upper

62 100

98 8.2 7.0 10.6





#29

Cyclohexane

Concen: 24.227 ug/L

RT: 7.959 min Scan# 996

Delta R.T. 0.000 min

Lab File: VW028648.D

Acq: 20 May 2024 10:23

Instrument :

MSVOA_W

ClientSampleId :

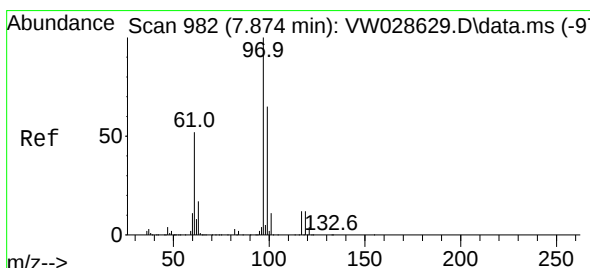
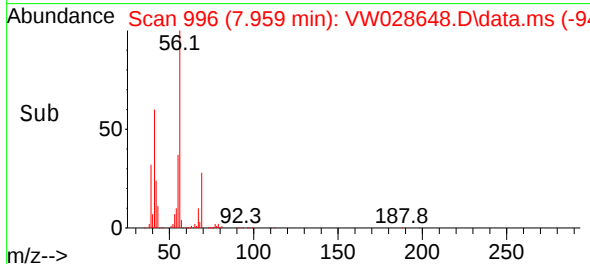
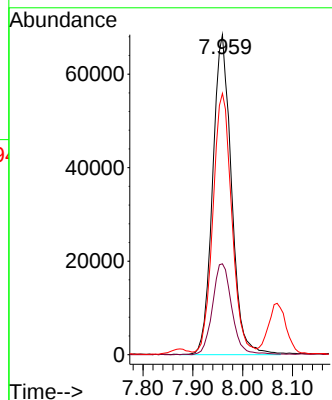
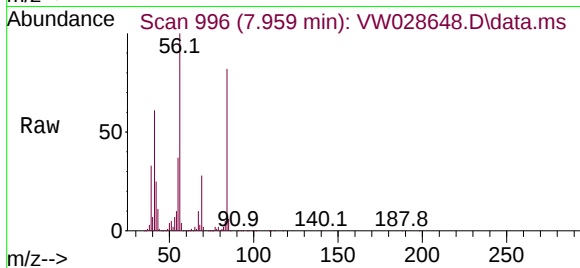
Tgt Ion: 56 Resp: 179280

Ion Ratio Lower Upper

56 100

69 28.9 23.4 35.0

84 81.8 65.8 98.8



#30

1,1,1-Trichloroethane

Concen: 25.308 ug/L

RT: 7.874 min Scan# 982

Delta R.T. 0.000 min

Lab File: VW028648.D

Acq: 20 May 2024 10:23

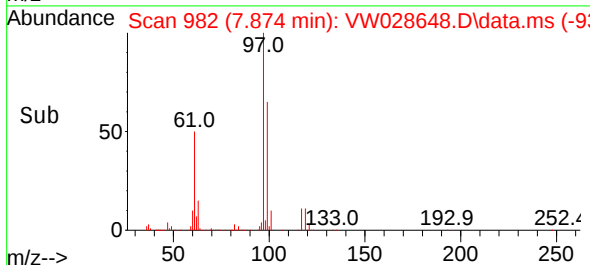
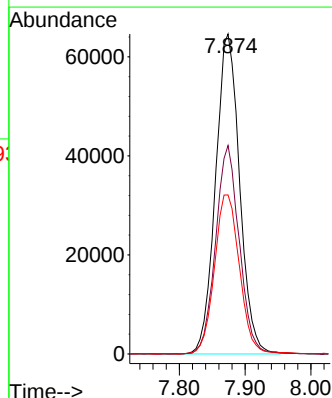
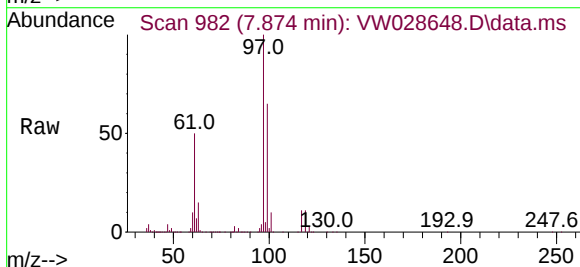
Tgt Ion: 97 Resp: 164599

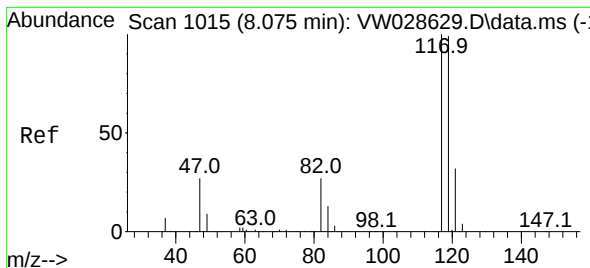
Ion Ratio Lower Upper

97 100

99 64.0 50.9 76.3

61 52.0 41.0 61.6





#31

Carbon tetrachloride

Concen: 25.064 ug/L

RT: 8.069 min Scan# 1015

Delta R.T. -0.006 min

Lab File: VW028648.D

Acq: 20 May 2024 10:23

Instrument :

MSVOA_W

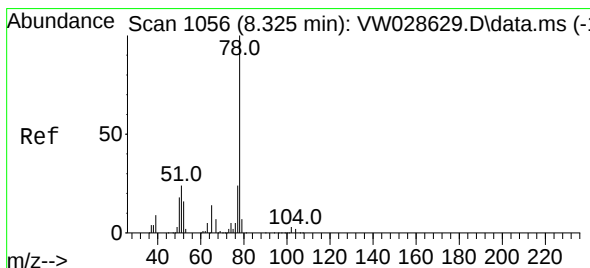
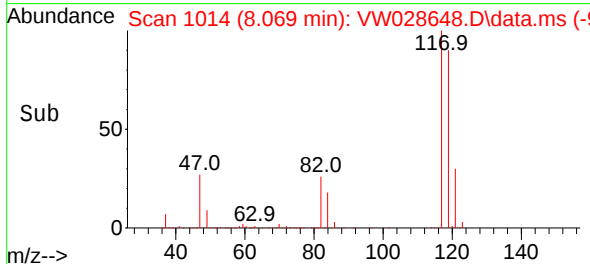
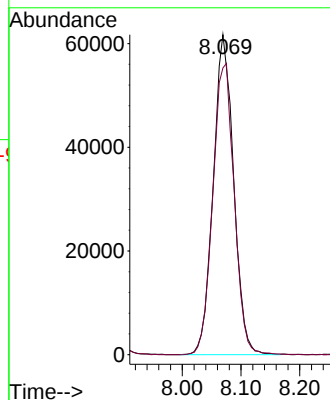
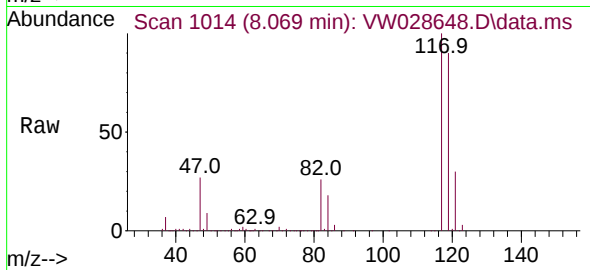
ClientSampleId :

Tgt Ion:117 Resp: 148624

Ion Ratio Lower Upper

117 100

119 95.5 77.2 115.8



#33

Benzene

Concen: 25.554 ug/L

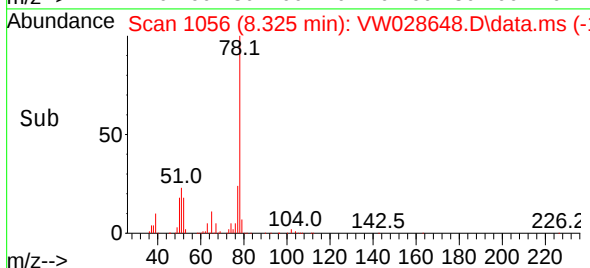
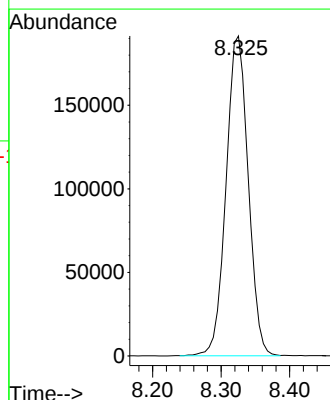
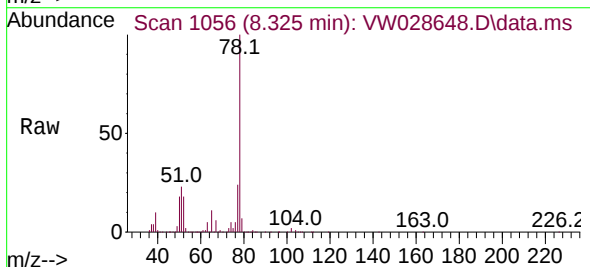
RT: 8.325 min Scan# 1056

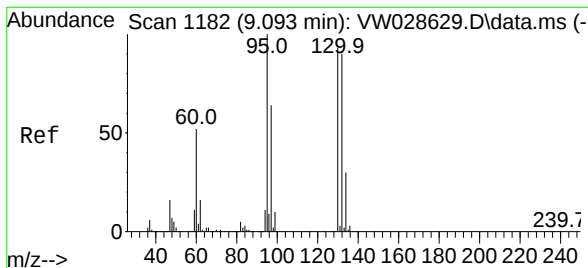
Delta R.T. 0.000 min

Lab File: VW028648.D

Acq: 20 May 2024 10:23

Tgt Ion: 78 Resp: 430076





#34

Trichloroethene

Concen: 24.876 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

Lab File: VW028648.D

Acq: 20 May 2024 10:23

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 95 Resp: 112248

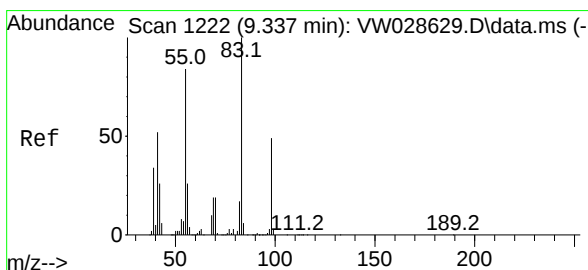
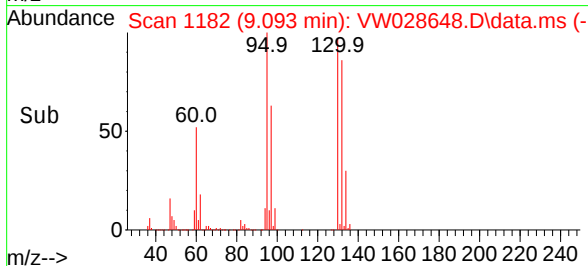
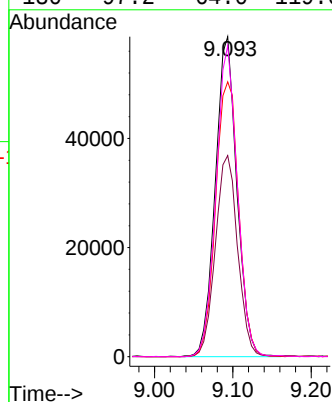
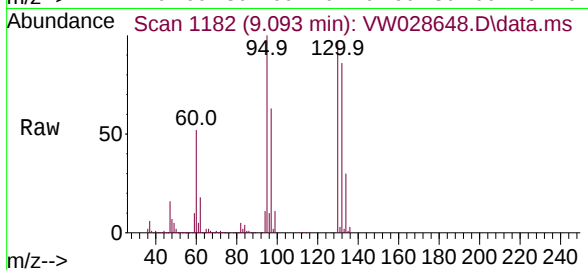
Ion Ratio Lower Upper

95 100

97 62.9 44.9 83.3

132 85.9 59.7 110.9

130 97.2 64.0 119.0



#35

Methylcyclohexane

Concen: 24.774 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VW028648.D

Acq: 20 May 2024 10:23

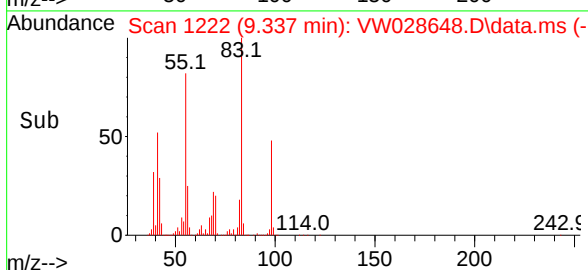
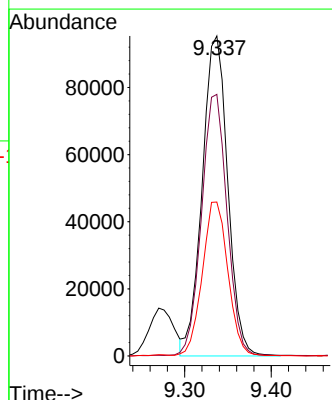
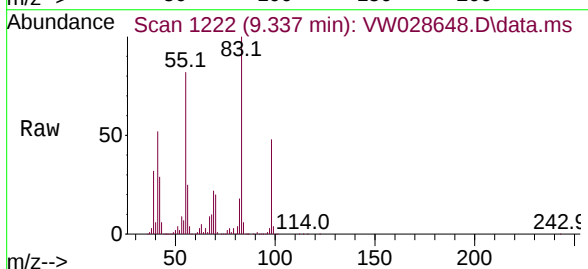
Tgt Ion: 83 Resp: 195358

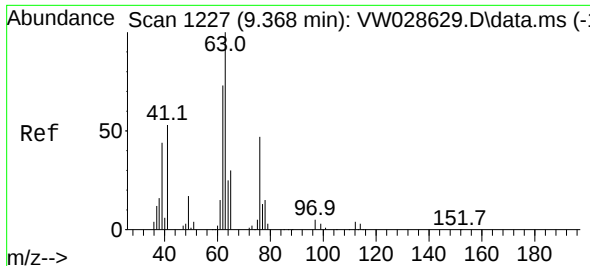
Ion Ratio Lower Upper

83 100

55 81.4 66.9 100.3

98 48.3 37.9 56.9





#37

1,2-Dichloropropane

Concen: 26.166 ug/L

RT: 9.368 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW028648.D

Acq: 20 May 2024 10:23

Instrument :

MSVOA_W

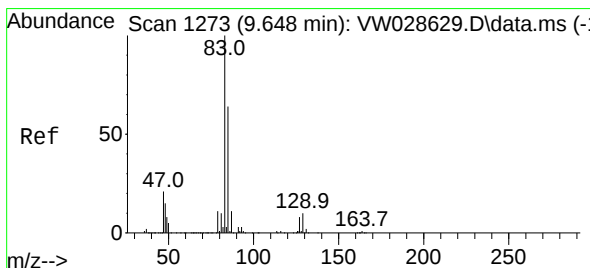
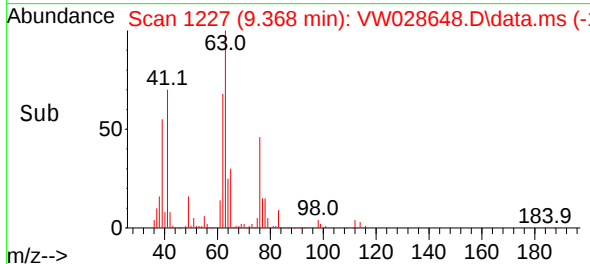
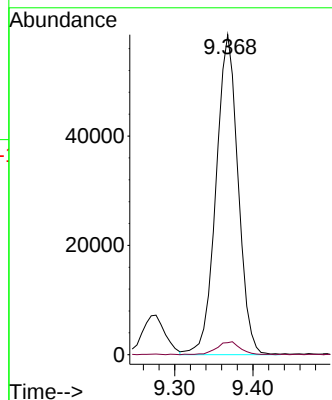
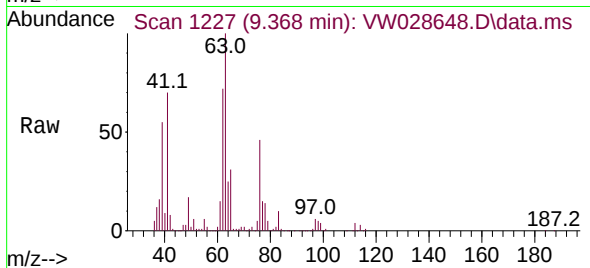
ClientSampleId :

Tgt Ion: 63 Resp: 114750

Ion Ratio Lower Upper

63 100

112 4.2 3.5 5.3



#38

Bromodichloromethane

Concen: 26.299 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.006 min

Lab File: VW028648.D

Acq: 20 May 2024 10:23

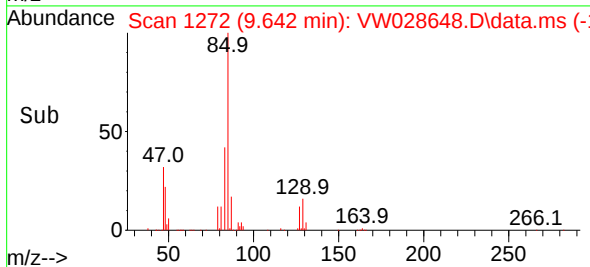
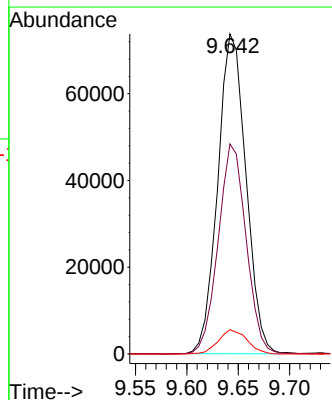
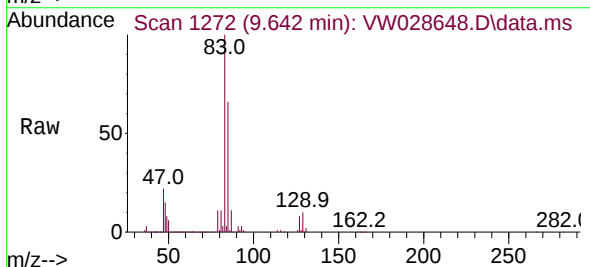
Tgt Ion: 83 Resp: 140592

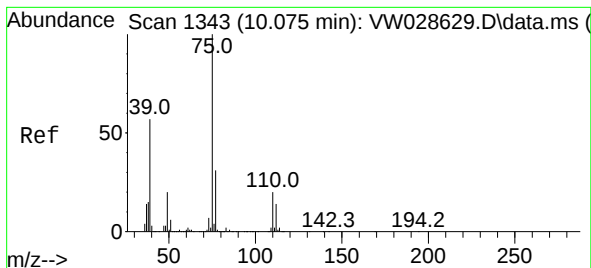
Ion Ratio Lower Upper

83 100

85 65.6 43.0 80.0

127 7.6 5.9 8.9

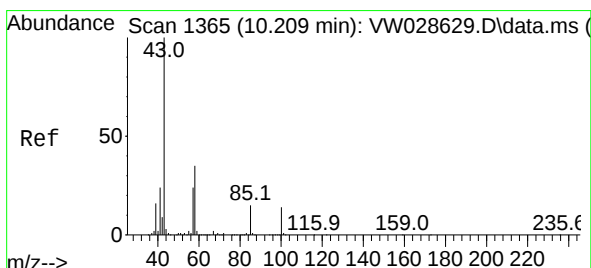
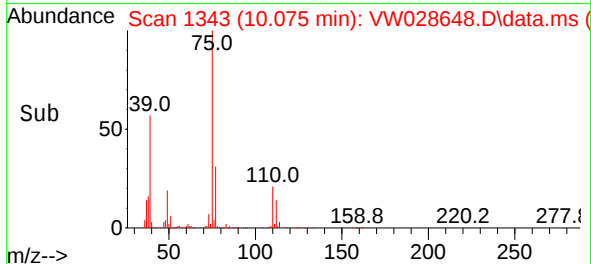
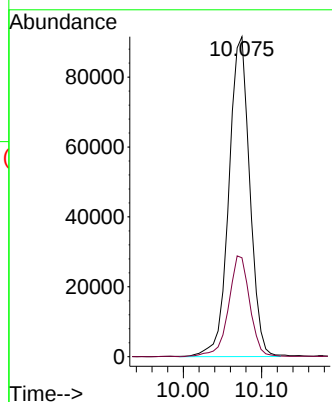
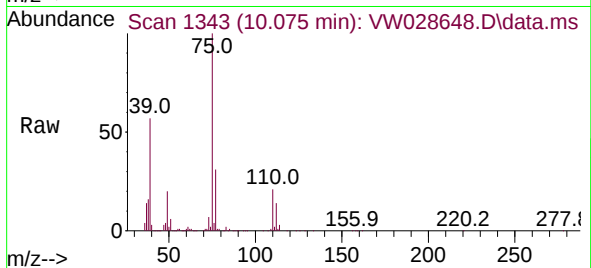




#39
 cis-1,3-Dichloropropene
 Concen: 26.939 ug/L
 RT: 10.075 min Scan# 1343
 Delta R.T. 0.000 min
 Lab File: VW028648.D
 Acq: 20 May 2024 10:23

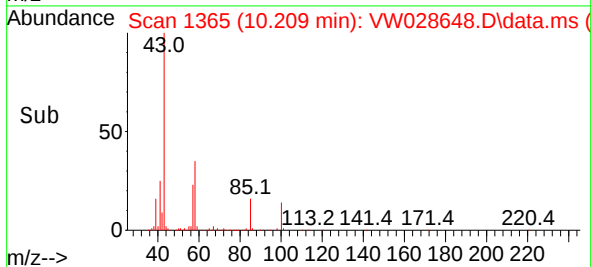
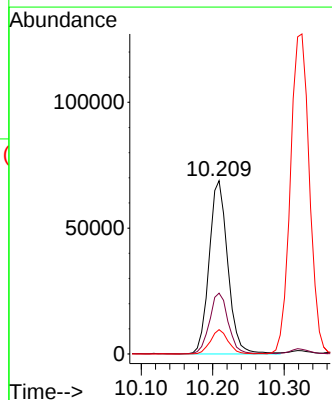
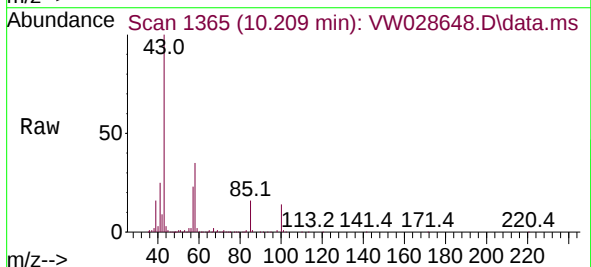
Instrument :
 MSVOA_W
 ClientSampleId :

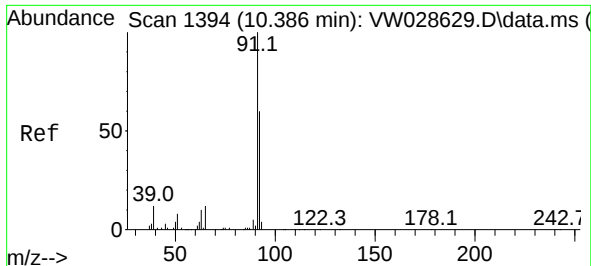
Tgt Ion: 75 Resp: 169325
 Ion Ratio Lower Upper
 75 100
 77 30.9 21.8 40.6



#40
 4-Methyl-2-pentanone
 Concen: 41.796 ug/L
 RT: 10.209 min Scan# 1365
 Delta R.T. 0.000 min
 Lab File: VW028648.D
 Acq: 20 May 2024 10:23

Tgt Ion: 43 Resp: 124749
 Ion Ratio Lower Upper
 43 100
 58 35.4 29.2 43.8
 100 13.3 11.0 16.4





#42

Toluene

Concen: 26.488 ug/L

RT: 10.386 min Scan# 1394

Delta R.T. 0.000 min

Lab File: VW028648.D

Acq: 20 May 2024 10:23

Instrument :

MSVOA_W

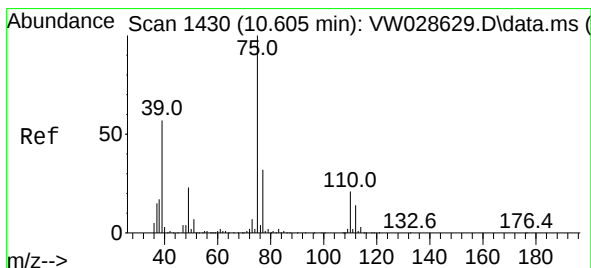
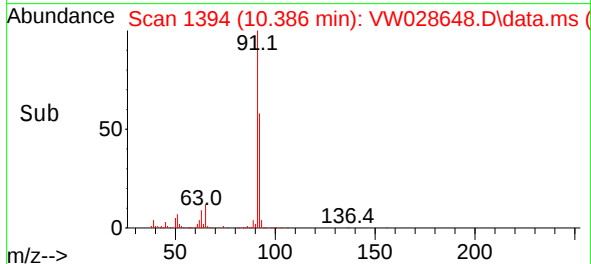
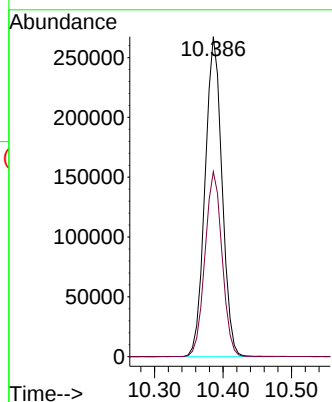
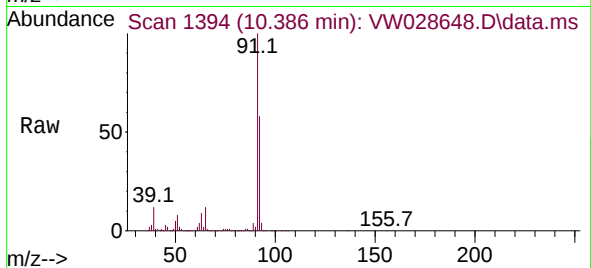
ClientSampleId :

Tgt Ion: 91 Resp: 460440

Ion Ratio Lower Upper

91 100

92 57.8 42.5 78.9



#44

trans-1,3-Dichloropropene

Concen: 26.111 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VW028648.D

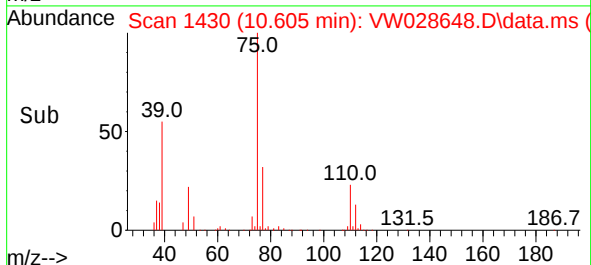
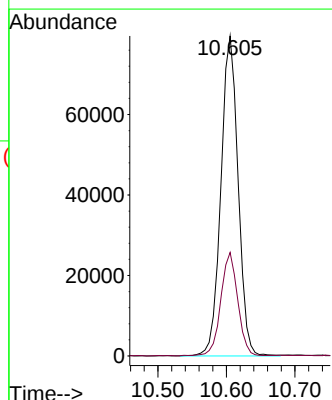
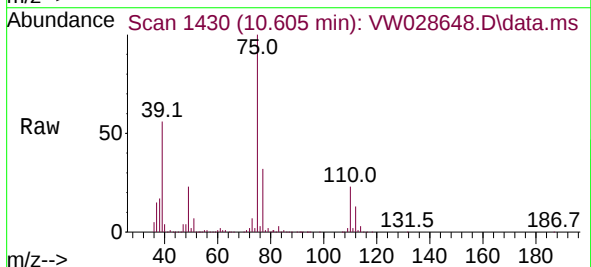
Acq: 20 May 2024 10:23

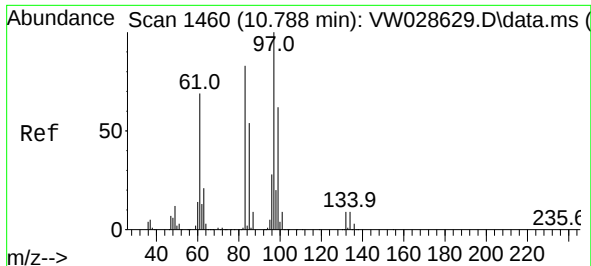
Tgt Ion: 75 Resp: 138380

Ion Ratio Lower Upper

75 100

77 32.3 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 24.097 ug/L

RT: 10.788 min Scan# 1460

Delta R.T. 0.000 min

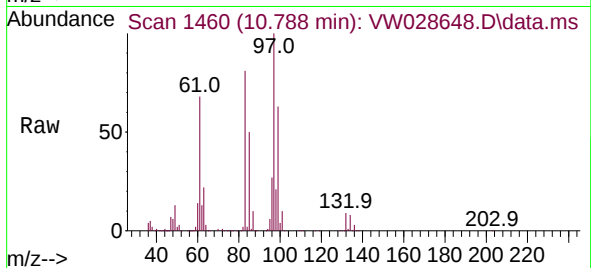
Lab File: VW028648.D

Acq: 20 May 2024 10:23

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 97 Resp: 76551

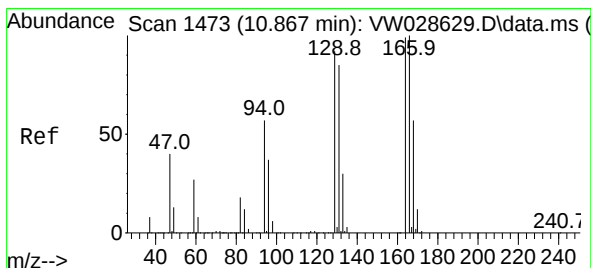
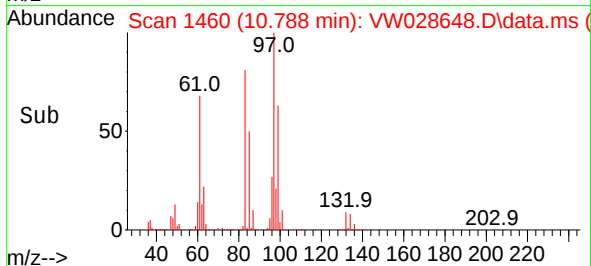
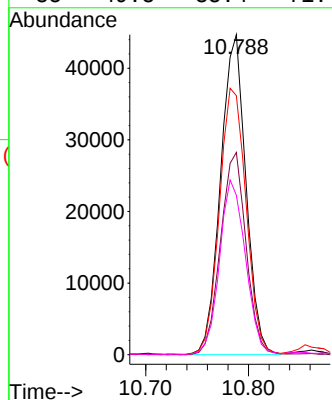
Ion Ratio Lower Upper

97 100

99 63.2 41.9 77.9

83 81.0 62.1 115.3

85 49.8 38.4 71.4



#46

Tetrachloroethene

Concen: 25.411 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. -0.006 min

Lab File: VW028648.D

Acq: 20 May 2024 10:23

Tgt Ion:164 Resp: 82611

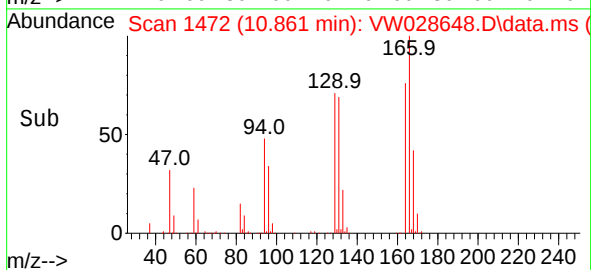
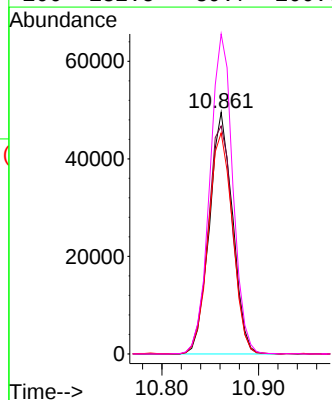
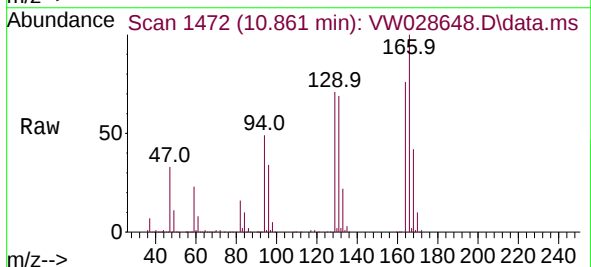
Ion Ratio Lower Upper

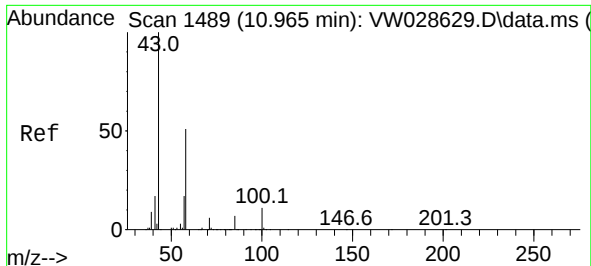
164 100

129 94.4 69.2 128.6

131 91.5 67.7 125.7

166 132.5 89.7 166.7





#48

2-Hexanone

Concen: 42.593 ug/L

RT: 10.965 min Scan# 1489

Delta R.T. 0.000 min

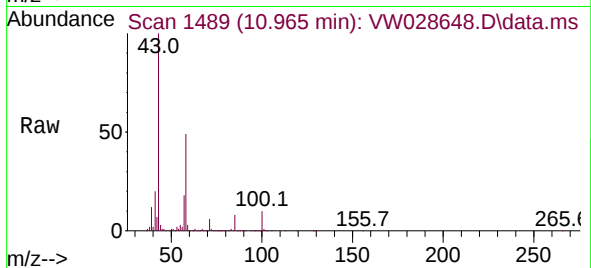
Lab File: VW028648.D

Acq: 20 May 2024 10:23

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 43 Resp: 89751

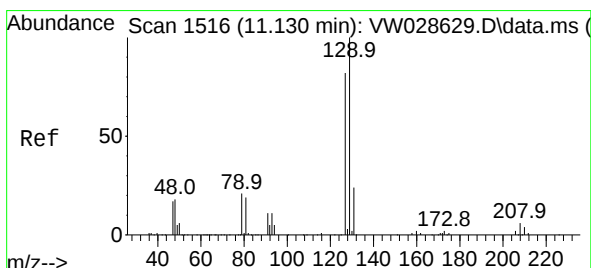
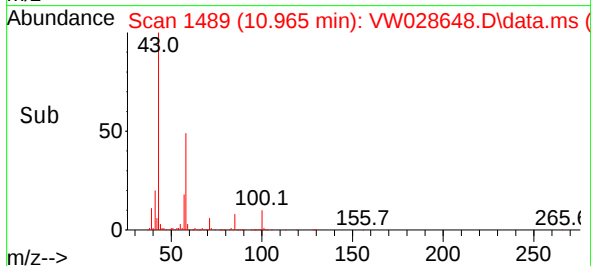
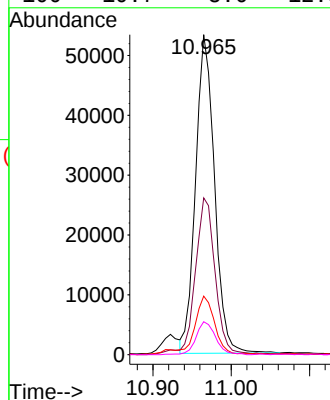
Ion Ratio Lower Upper

43 100

58 49.3 41.0 61.4

57 18.4 14.8 22.2

100 10.7 8.6 12.8



#49

Dibromochloromethane

Concen: 26.777 ug/L

RT: 11.123 min Scan# 1515

Delta R.T. -0.006 min

Lab File: VW028648.D

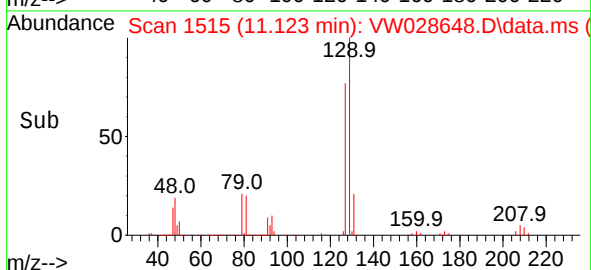
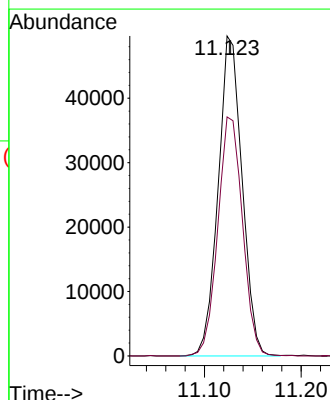
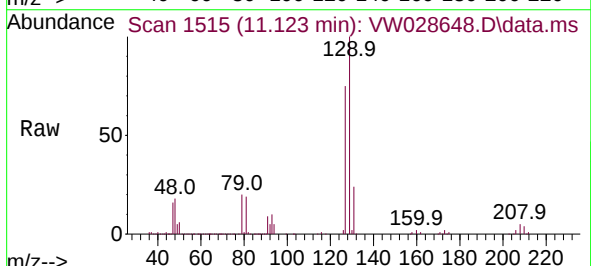
Acq: 20 May 2024 10:23

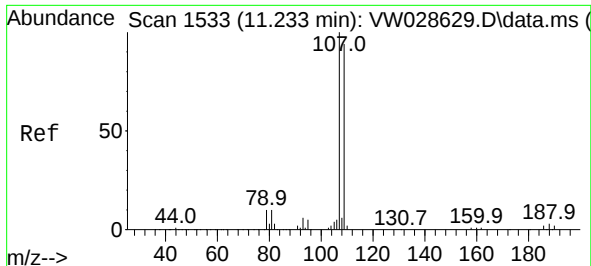
Tgt Ion:129 Resp: 85326

Ion Ratio Lower Upper

129 100

127 74.7 54.3 100.8





#50

1,2-Dibromoethane

Concen: 23.405 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. 0.000 min

Lab File: VW028648.D

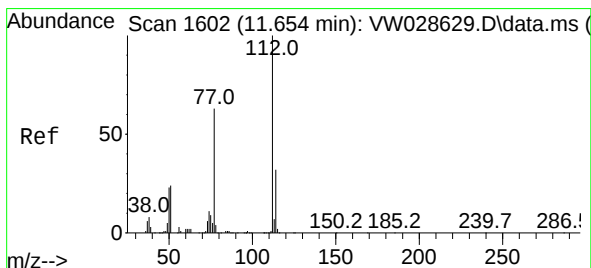
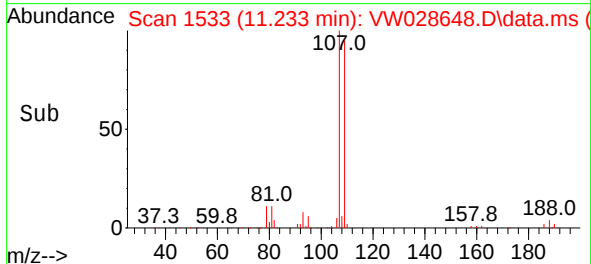
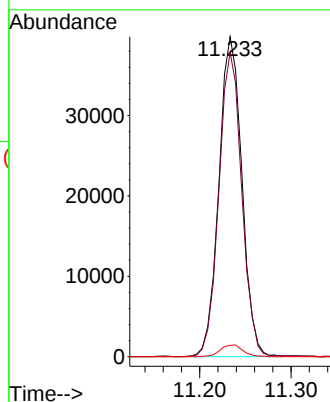
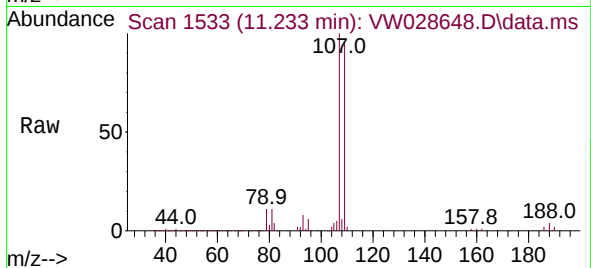
Acq: 20 May 2024 10:23

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	107	Resp:	69649
Ion Ratio	Lower	Upper	
107	100		
109	95.1	64.2	119.2
188	3.5	3.1	4.7



#51

Chlorobenzene

Concen: 25.492 ug/L

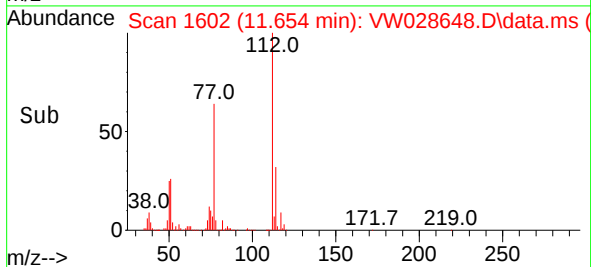
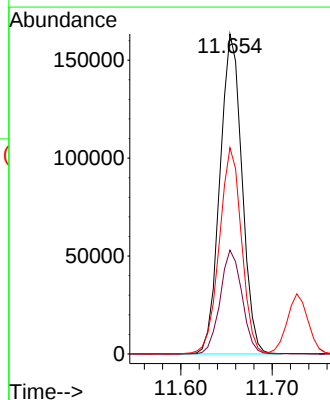
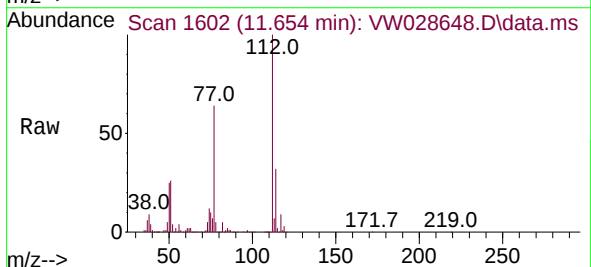
RT: 11.654 min Scan# 1602

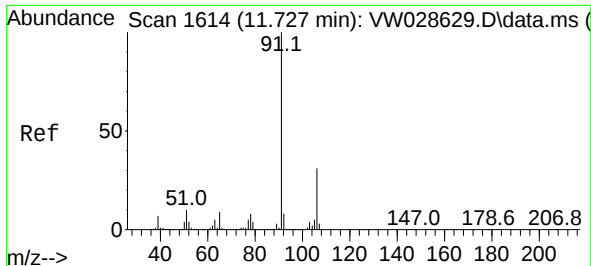
Delta R.T. 0.000 min

Lab File: VW028648.D

Acq: 20 May 2024 10:23

Tgt Ion:	112	Resp:	274102
Ion Ratio	Lower	Upper	
112	100		
114	32.4	22.2	41.2
77	64.4	50.8	76.2





#52

Ethylbenzene

Concen: 26.458 ug/L

RT: 11.727 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW028648.D

Acq: 20 May 2024 10:23

Instrument :

MSVOA_W

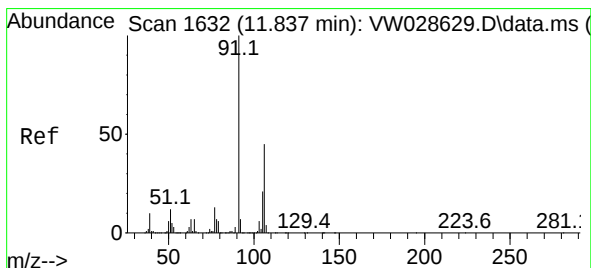
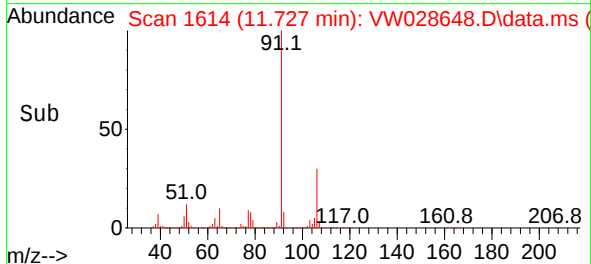
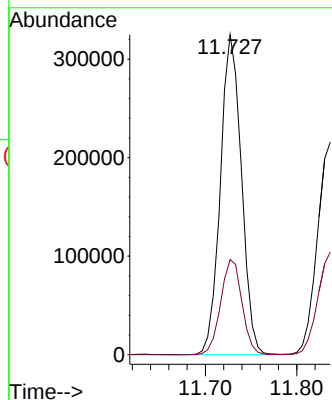
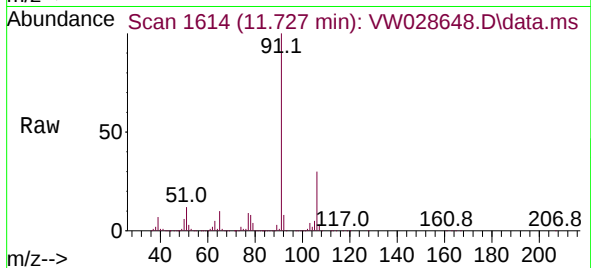
ClientSampleId :

Tgt Ion: 91 Resp: 520477

Ion Ratio Lower Upper

91 100

106 29.8 22.7 42.1



#53

m,p-Xylene

Concen: 26.626 ug/L

RT: 11.837 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VW028648.D

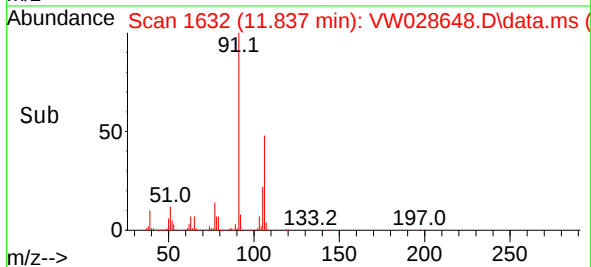
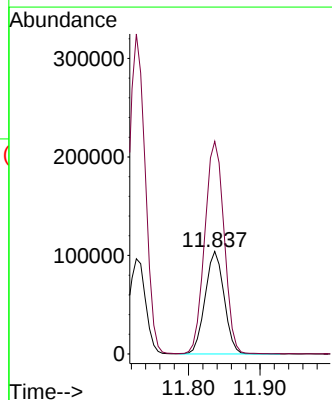
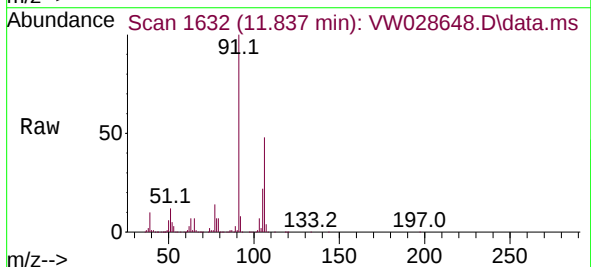
Acq: 20 May 2024 10:23

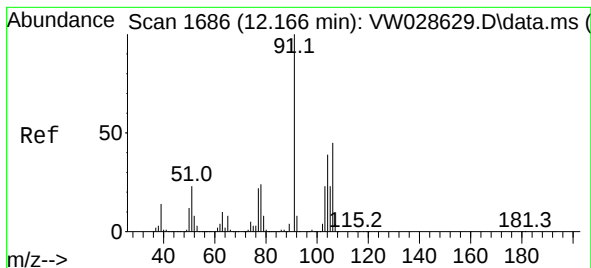
Tgt Ion:106 Resp: 191994

Ion Ratio Lower Upper

106 100

91 207.4 146.6 272.2





#54

o-Xylene

Concen: 26.917 ug/L

RT: 12.166 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW028648.D

Acq: 20 May 2024 10:23

Instrument :

MSVOA_W

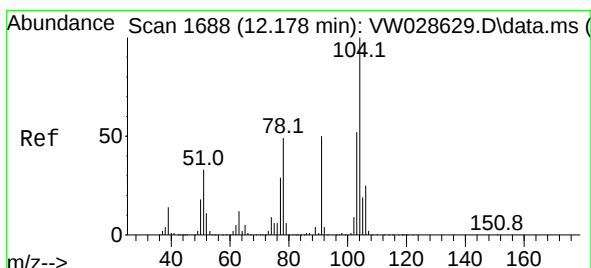
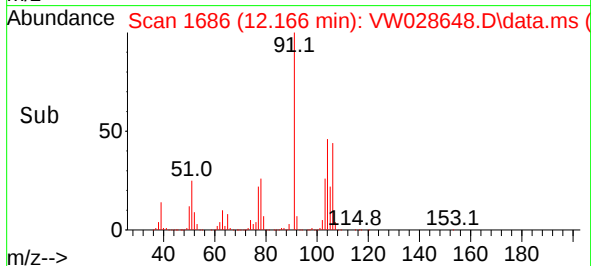
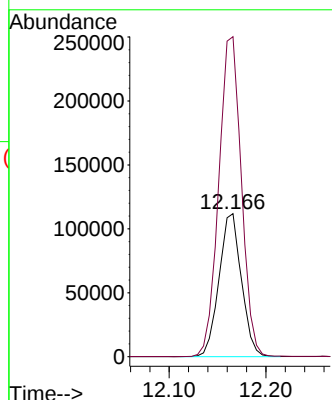
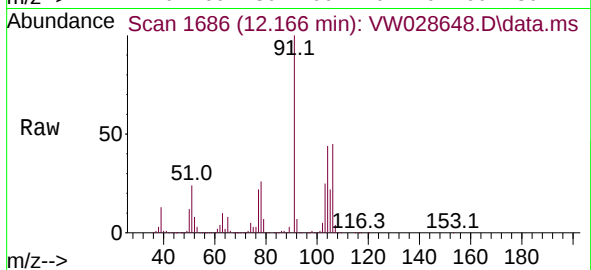
ClientSampleId :

Tgt Ion:106 Resp: 179563

Ion Ratio Lower Upper

106 100

91 223.7 154.3 286.5



#55

Styrene

Concen: 28.514 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW028648.D

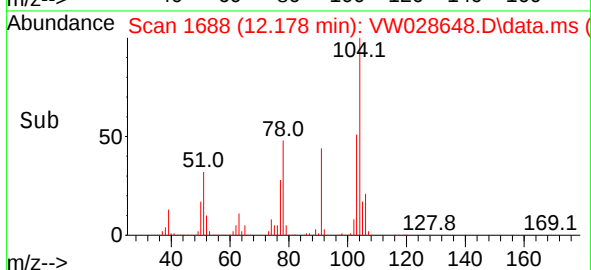
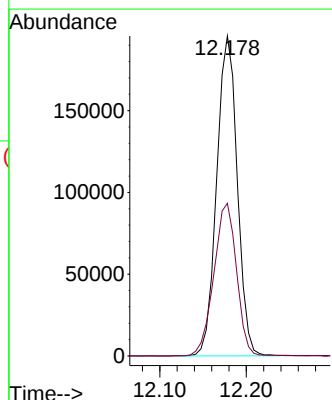
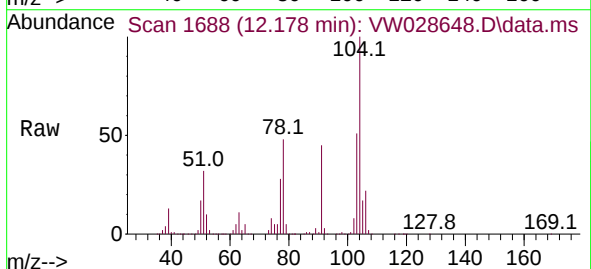
Acq: 20 May 2024 10:23

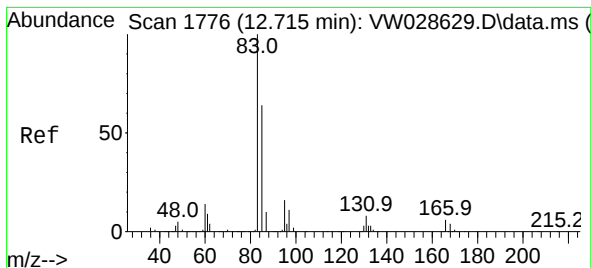
Tgt Ion:104 Resp: 322307

Ion Ratio Lower Upper

104 100

78 47.7 34.1 63.3

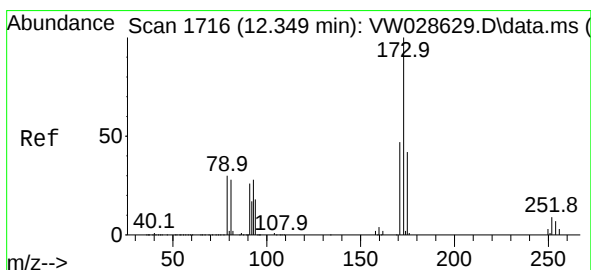
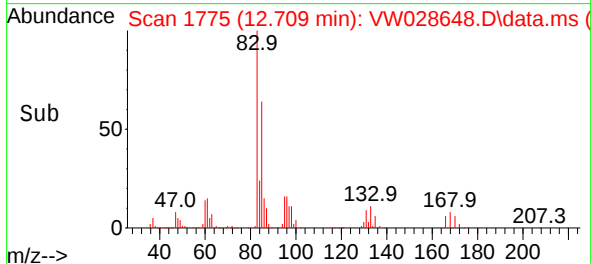
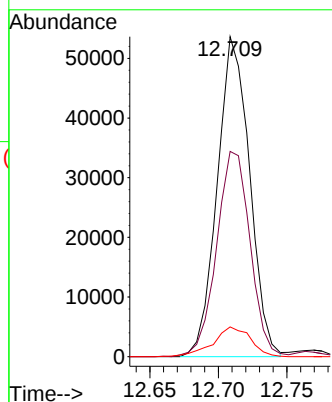
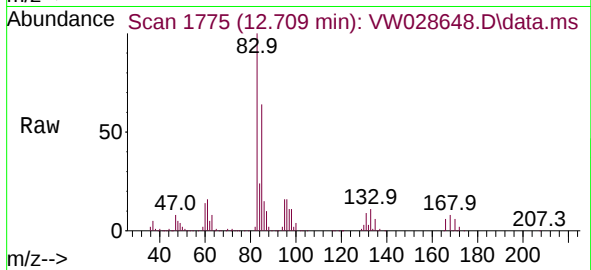




#57
1,1,2,2-Tetrachloroethane
Concen: 22.085 ug/L
RT: 12.709 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VW028648.D
Acq: 20 May 2024 10:23

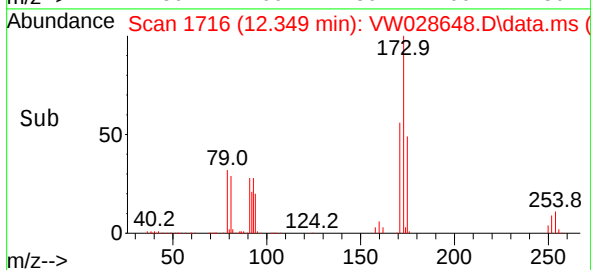
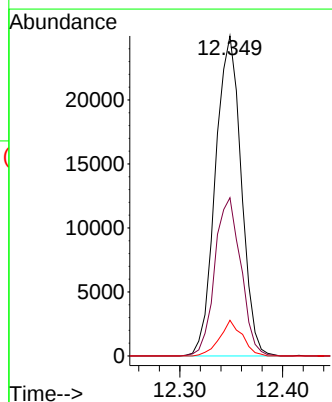
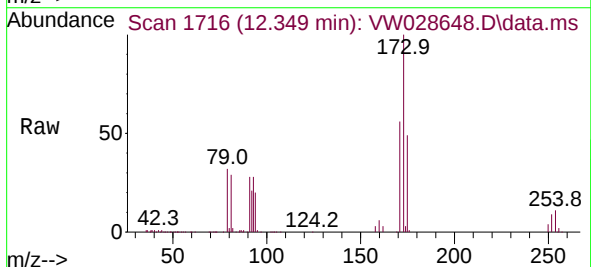
Instrument :
MSVOA_W
ClientSampleId :

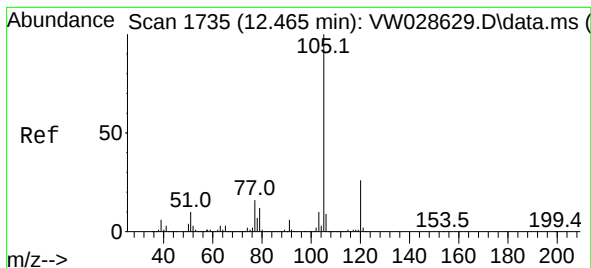
Tgt Ion: 83 Resp: 88023
Ion Ratio Lower Upper
83 100
85 64.1 45.6 84.6
131 9.3 7.3 10.9



#59
Bromoform
Concen: 24.091 ug/L
RT: 12.349 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VW028648.D
Acq: 20 May 2024 10:23

Tgt Ion:173 Resp: 43688
Ion Ratio Lower Upper
173 100
175 49.8 39.8 59.8
254 9.8 7.1 10.7





#60

Isopropylbenzene

Concen: 27.254 ug/L

RT: 12.459 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW028648.D

Acq: 20 May 2024 10:23

Instrument :

MSVOA_W

ClientSampleId :

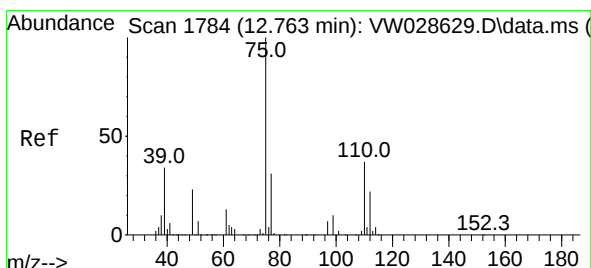
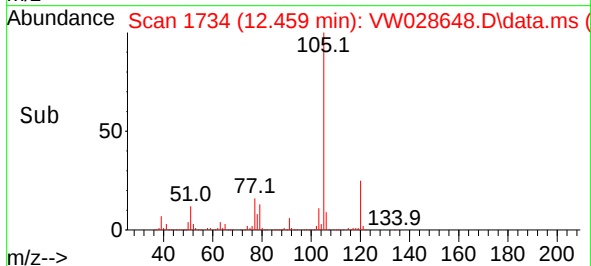
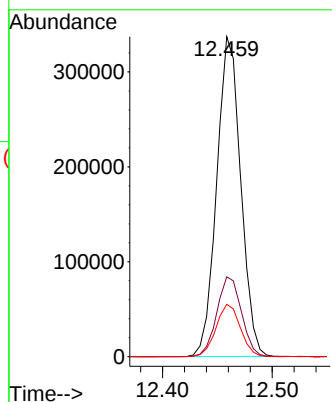
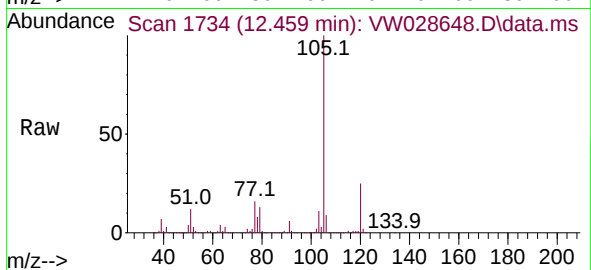
Tgt Ion:105 Resp: 513954

Ion Ratio Lower Upper

105 100

120 25.6 20.5 30.7

77 16.6 13.4 20.2



#61

1,2,3-Trichloropropane

Concen: 22.219 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VW028648.D

Acq: 20 May 2024 10:23

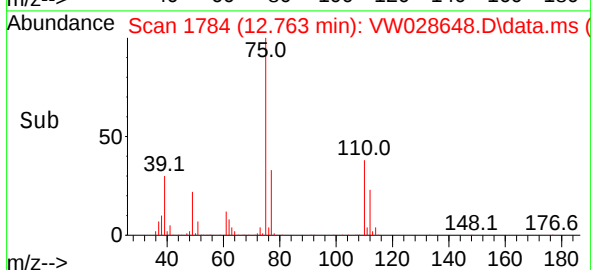
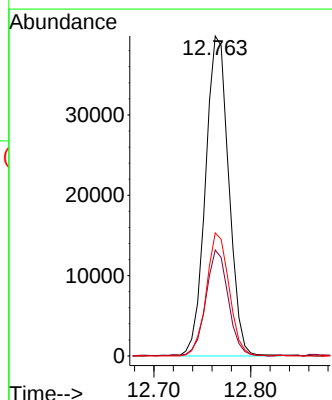
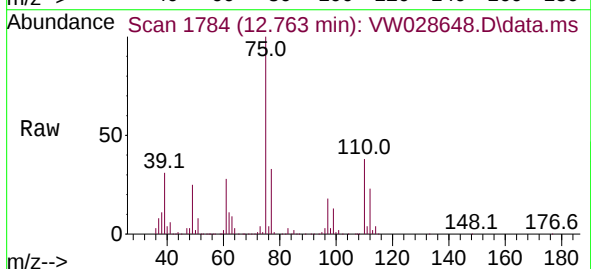
Tgt Ion: 75 Resp: 66747

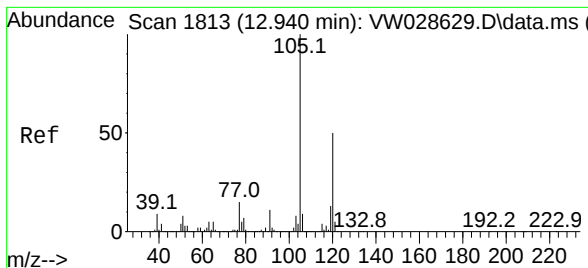
Ion Ratio Lower Upper

75 100

77 31.8 25.9 38.9

110 37.4 30.6 45.8

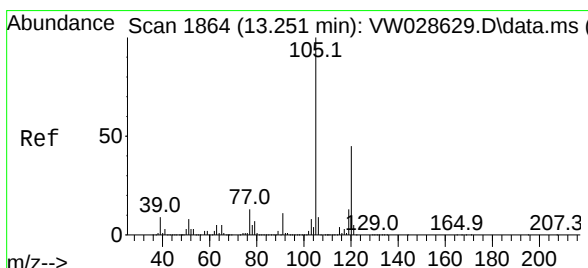
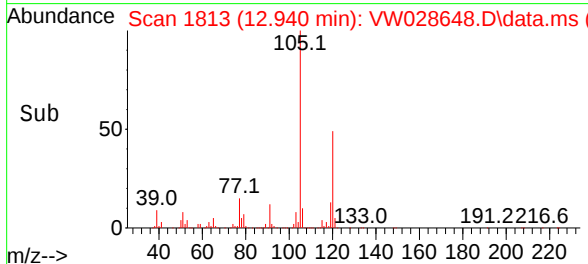
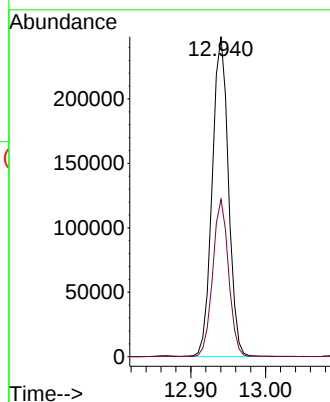
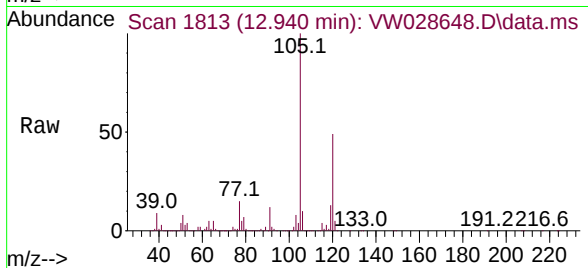




#62
1,3,5-Trimethylbenzene
Concen: 28.127 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW028648.D
Acq: 20 May 2024 10:23

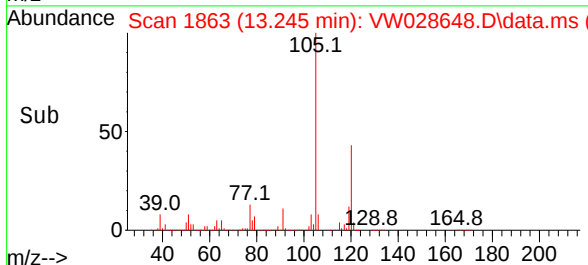
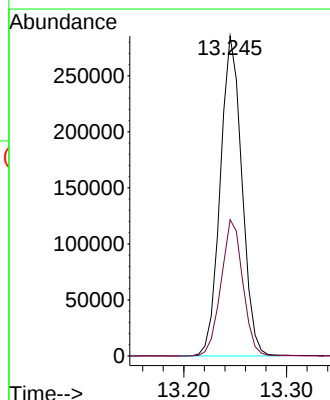
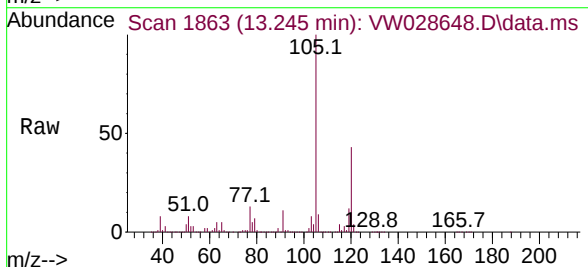
Instrument :
MSVOA_W
ClientSampleId :

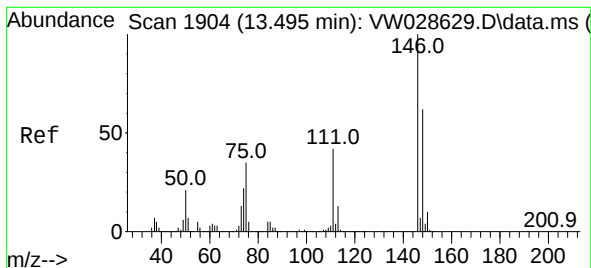
Tgt Ion:105 Resp: 375292
Ion Ratio Lower Upper
105 100
120 47.9 37.4 56.2



#63
1,2,4-Trimethylbenzene
Concen: 28.956 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. -0.006 min
Lab File: VW028648.D
Acq: 20 May 2024 10:23

Tgt Ion:105 Resp: 416277
Ion Ratio Lower Upper
105 100
120 42.8 34.1 51.1





#64

1,3-Dichlorobenzene

Concen: 26.812 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW028648.D

Acq: 20 May 2024 10:23

Instrument :

MSVOA_W

ClientSampleId :

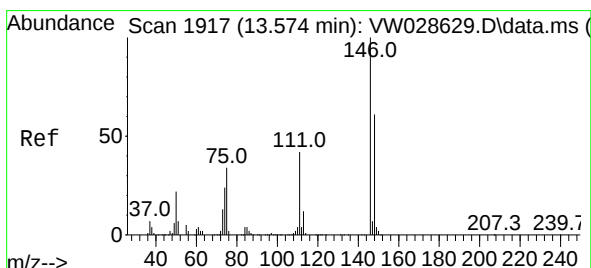
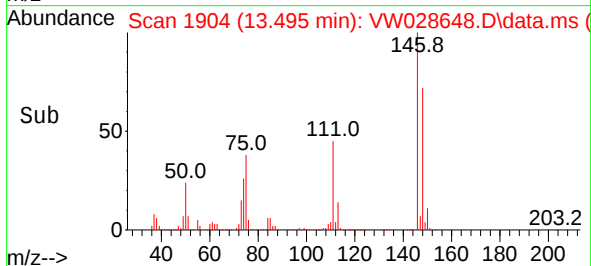
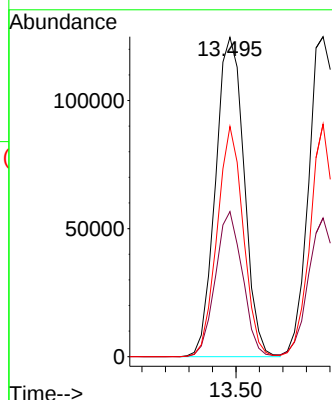
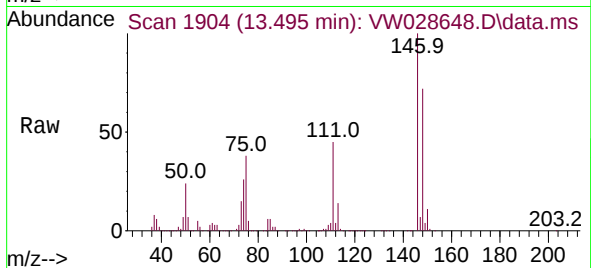
Tgt Ion:146 Resp: 210340

Ion Ratio Lower Upper

146 100

111 45.4 30.7 57.1

148 72.1 47.0 87.2



#65

1,4-Dichlorobenzene

Concen: 26.461 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW028648.D

Acq: 20 May 2024 10:23

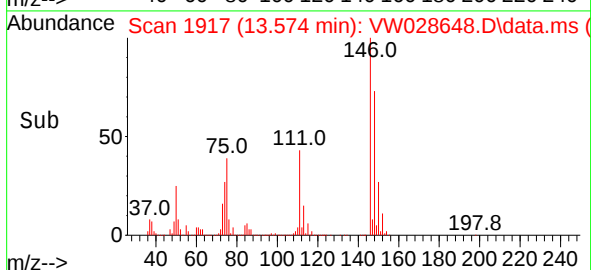
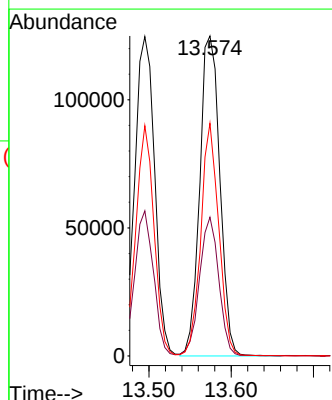
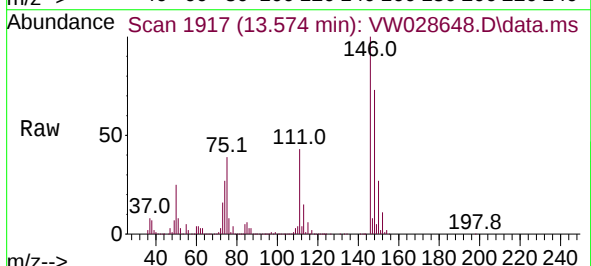
Tgt Ion:146 Resp: 212230

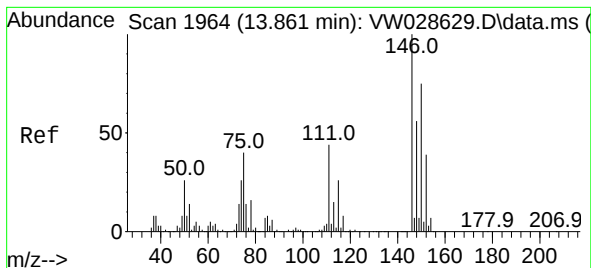
Ion Ratio Lower Upper

146 100

111 43.4 29.1 54.1

148 72.7 41.2 76.6





#67

1,2-Dichlorobenzene

Concen: 26.360 ug/L

RT: 13.867 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW028648.D

Acq: 20 May 2024 10:23

Instrument :

MSVOA_W

ClientSampleId :

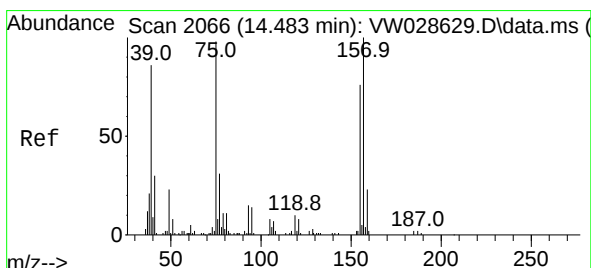
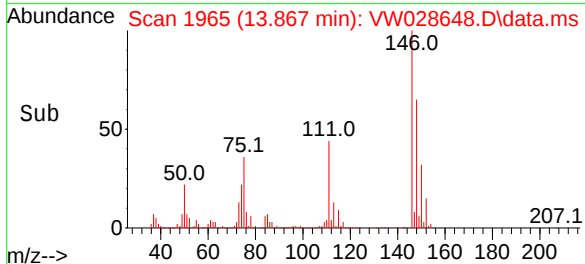
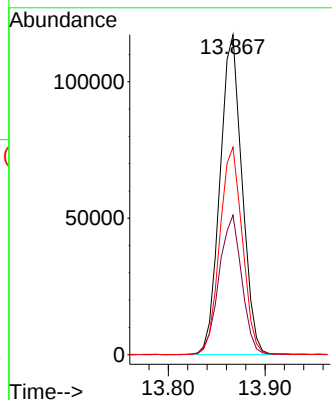
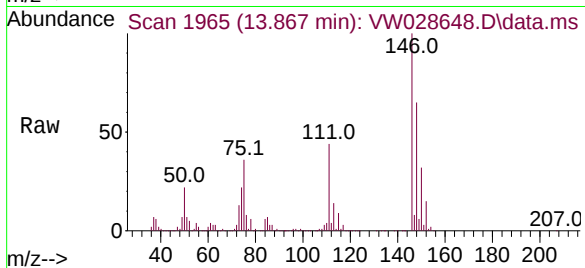
Tgt Ion:146 Resp: 185091

Ion Ratio Lower Upper

146 100

111 43.6 34.7 52.1

148 64.9 51.8 77.8



#68

1,2-Dibromo-3-chloropropane

Concen: 20.032 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. -0.006 min

Lab File: VW028648.D

Acq: 20 May 2024 10:23

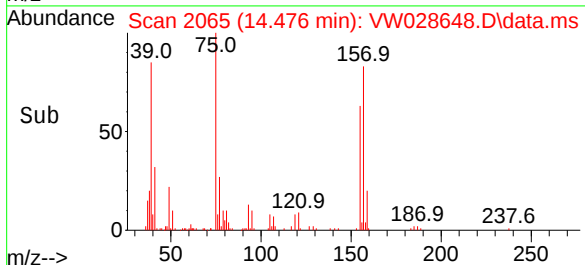
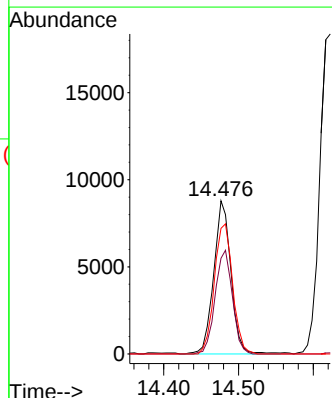
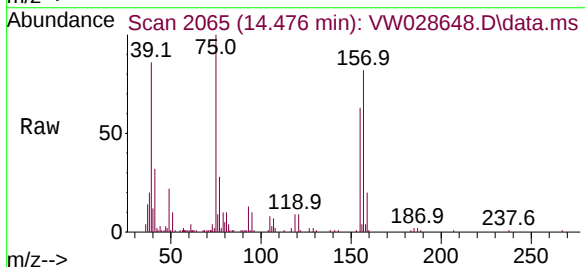
Tgt Ion: 75 Resp: 14070

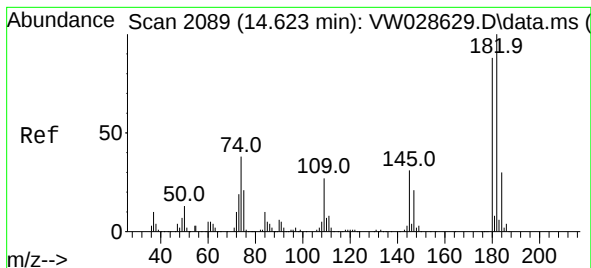
Ion Ratio Lower Upper

75 100

155 62.5 55.1 82.7

157 82.1 68.6 102.8





#69

1,3,5-Trichlorobenzene

Concen: 26.841 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

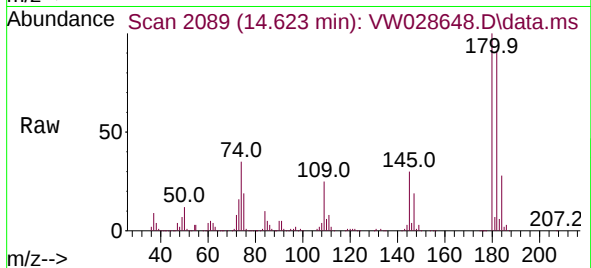
Lab File: VW028648.D

Acq: 20 May 2024 10:23

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:180 Resp: 141299

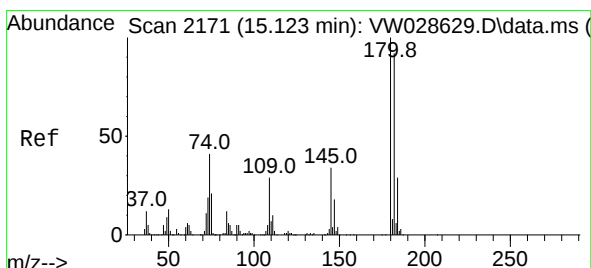
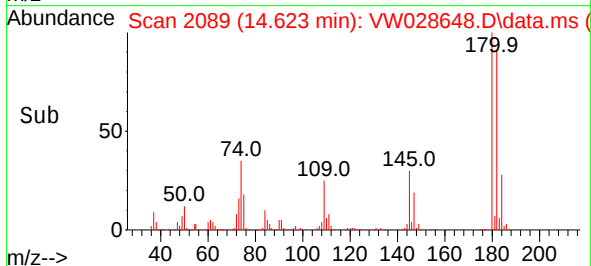
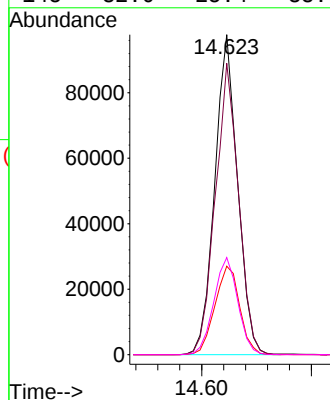
Ion Ratio Lower Upper

180 100

182 92.5 75.4 113.2

184 30.0 24.0 36.0

145 32.0 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 26.032 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.006 min

Lab File: VW028648.D

Acq: 20 May 2024 10:23

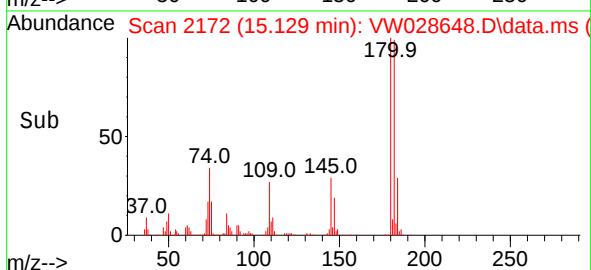
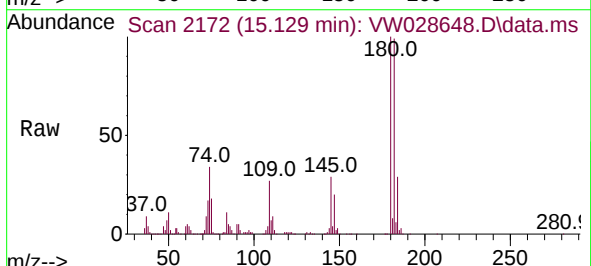
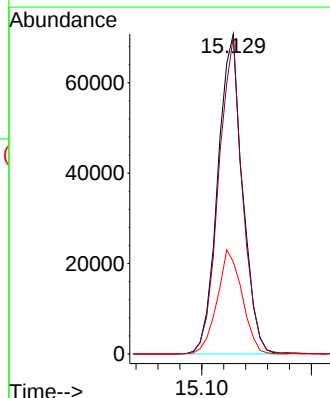
Tgt Ion:180 Resp: 110728

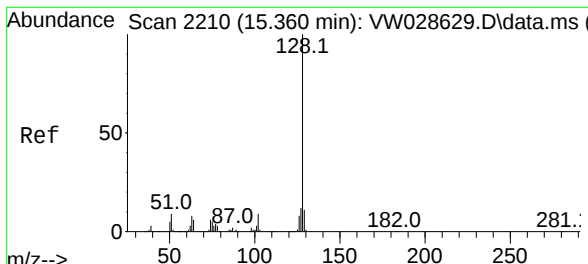
Ion Ratio Lower Upper

180 100

182 95.9 77.2 115.8

145 32.9 26.6 39.8



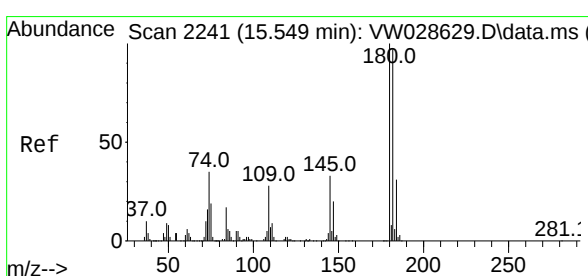
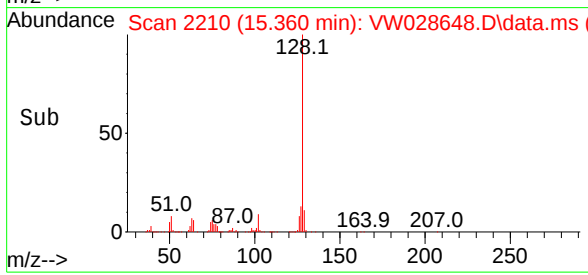
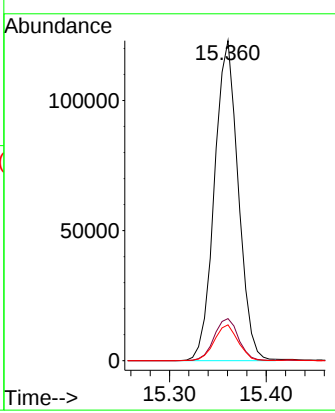
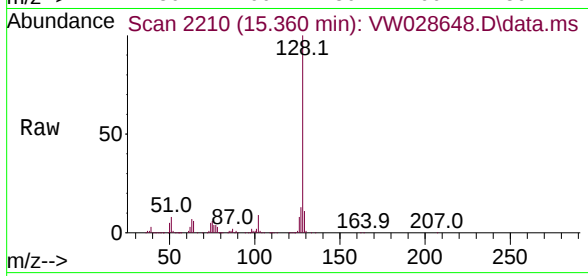


#71
Naphthalene
Concen: 23.172 ug/L
RT: 15.360 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VW028648.D
Acq: 20 May 2024 10:23

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:128 Resp: 209994

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	15.8
129	11.2	8.5	12.7



#72
1,2,3-Trichlorobenzene
Concen: 25.440 ug/L
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW028648.D
Acq: 20 May 2024 10:23

Tgt Ion:180 Resp: 97644

Ion	Ratio	Lower	Upper
180	100		
182	91.5	76.1	114.1
145	34.2	28.3	42.5

