

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080322\
 Data File : VW024148.D
 Acq On : 03 Aug 2022 10:26
 Operator : SY/VA
 Sample : VSTD05004
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD050404

Quant Time: Aug 04 00:45:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM080322SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Aug 04 00:42:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	362574	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	359551	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	206960	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.343	65	250499	40.795	ug/L	0.00
7) Chloroethane-d5	2.965	69	539	0.138	ug/L	0.09
11) 1,1-Dichloroethene-d2	4.013	63	332872	43.230	ug/L	0.00
21) 2-Butanone-d5	7.074	46	119109	91.620	ug/L	0.00
24) Chloroform-d	7.647	84	443459	43.294	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.305	65	237137	42.721	ug/L	0.00
32) Benzene-d6	8.269	84	810906	42.586	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.268	67	245095	43.591	ug/L	0.00
41) Toluene-d8	10.323	98	787297	44.177	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.579	79	118784	45.279	ug/L	0.00
47) 2-Hexanone-d5	10.921	63	108291	101.031	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.688	84	253439	44.687	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.853	152	339070	46.185	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.001	85	168862	57.247	ug/L	94
3) Chloromethane	2.209	50	282169	48.774	ug/L	99
5) Vinyl chloride	2.355	62	416118	47.220	ug/L	98
6) Bromomethane	2.763	94	233518	44.993	ug/L	96
8) Chloroethane	2.910	64	201266	53.259	ug/L	97
9) Trichlorofluoromethane	3.245	101	231668	46.143	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.044	101	268363	47.359	ug/L	99
12) 1,1-Dichloroethene	4.032	96	233343	48.773	ug/L	93
13) Acetone	4.123	43	83002	81.657	ug/L	94
14) Carbon disulfide	4.379	76	739309	47.711	ug/L	99
15) Methyl Acetate	4.672	43	105149	47.528	ug/L	98
16) Methylene chloride	4.909	84	253938	35.700	ug/L	96
17) trans-1,2-Dichloroethene	5.415	96	263937	49.030	ug/L	95
18) Methyl tert-butyl Ether	5.422	73	382884	52.190	ug/L	99
19) 1,1-Dichloroethane	6.208	63	430587	47.295	ug/L	98
20) cis-1,2-Dichloroethene	7.159	96	281825	49.540	ug/L	95
22) 2-Butanone	7.165	43	147714	90.849	ug/L	99
23) Bromochloromethane	7.513	128	137735	48.097	ug/L	98
25) Chloroform	7.677	83	477651	47.108	ug/L	100
27) 1,2-Dichloroethane	8.397	62	312624	46.755	ug/L	99
29) Cyclohexane	7.952	56	401106	52.659	ug/L	99
30) 1,1,1-Trichloroethane	7.872	97	412463	46.907	ug/L	100
31) Carbon tetrachloride	8.061	117	395208	47.958	ug/L	99
33) Benzene	8.323	78	1042362	46.677	ug/L	100
34) Trichloroethene	9.085	95	278026	46.514	ug/L	96
35) Methylcyclohexane	9.329	83	487719	51.649	ug/L	99
37) 1,2-Dichloropropane	9.366	63	247507	46.580	ug/L	100
38) Bromodichloromethane	9.640	83	356130	46.900	ug/L	98
39) cis-1,3-Dichloropropene	10.073	75	405535	50.457	ug/L	98
40) 4-Methyl-2-pentanone	10.207	43	328771	98.783	ug/L	99
42) Toluene	10.384	91	1181110	49.531	ug/L	99
44) trans-1,3-Dichloropropene	10.604	75	374327	50.904	ug/L	96

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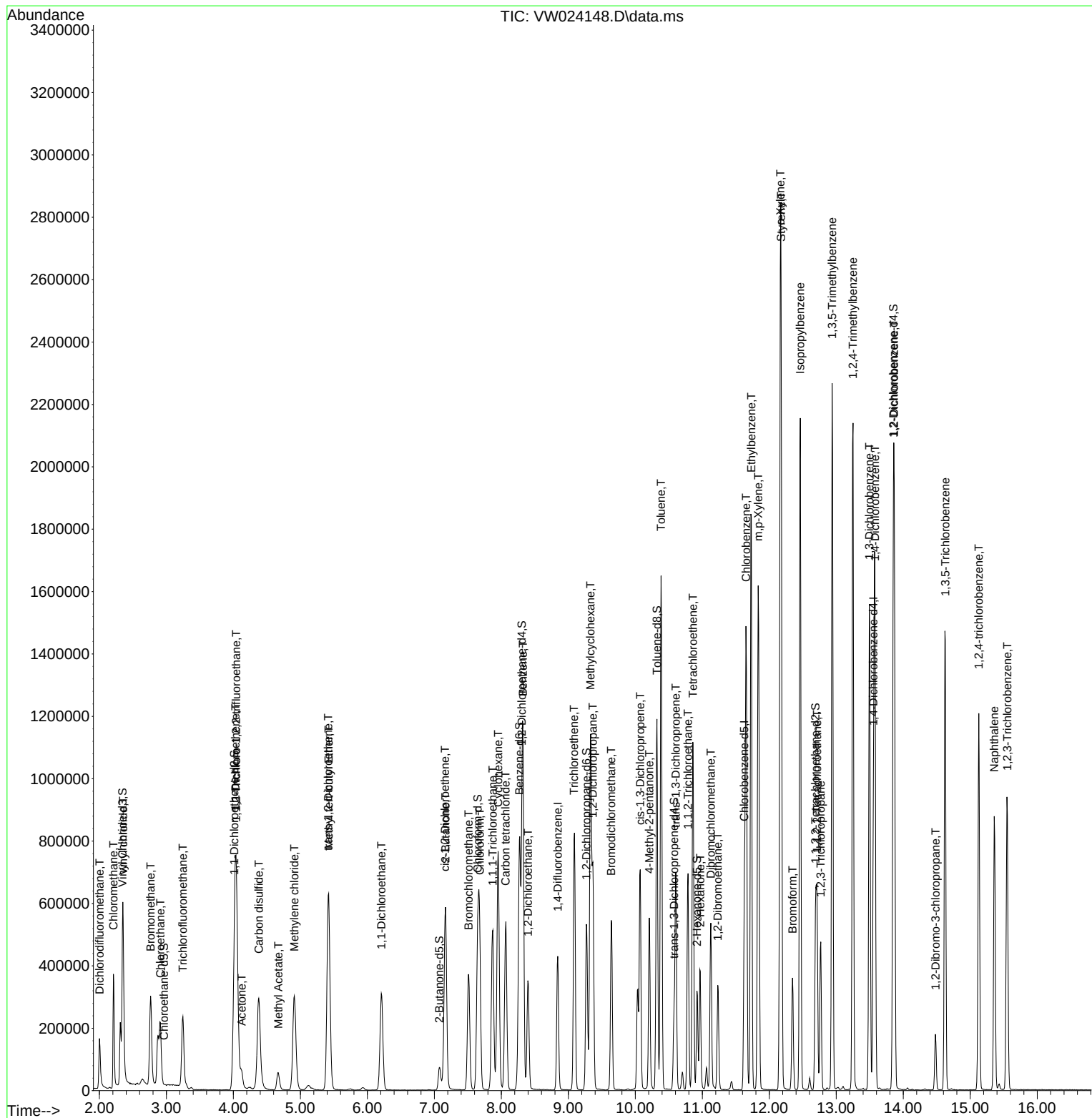
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.786	97	214154	47.150	ug/L	97
46) Tetrachloroethene	10.860	164	240928	47.834	ug/L	97
48) 2-Hexanone	10.969	43	232840	101.484	ug/L	99
49) Dibromochloromethane	11.128	129	273973	49.484	ug/L	100
50) 1,2-Dibromoethane	11.231	107	214517	48.143	ug/L	90
51) Chlorobenzene	11.652	112	775909	47.052	ug/L	99
52) Ethylbenzene	11.731	91	1320698	50.542	ug/L	94
53) m,p-Xylene	11.835	106	530474	52.873	ug/L	98
54) o-Xylene	12.164	106	511754	53.344	ug/L	92
55) Styrene	12.176	104	883795	53.071	ug/L	94
57) 1,1,2,2-Tetrachloroethane	12.713	83	262312	47.459	ug/L	98
59) Bromoform	12.347	173	157803	48.602	ug/L	99
60) Isopropylbenzene	12.463	105	1364567	51.914	ug/L	99
61) 1,2,3-Trichloropropane	12.768	75	187181	45.092	ug/L	99
62) 1,3,5-Trimethylbenzene	12.938	105	1158780	53.838	ug/L	98
63) 1,2,4-Trimethylbenzene	13.249	105	1162460	54.754	ug/L	97
64) 1,3-Dichlorobenzene	13.493	146	647112	48.774	ug/L	99
65) 1,4-Dichlorobenzene	13.579	146	652085	47.377	ug/L	98
67) 1,2-Dichlorobenzene	13.865	146	591558	48.885	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.481	75	41199	44.727	ug/L	95
69) 1,3,5-Trichlorobenzene	14.627	180	447978	50.823	ug/L	99
70) 1,2,4-trichlorobenzene	15.127	180	365240	53.761	ug/L	98
71) Naphthalene	15.359	128	744728	56.881	ug/L	99
72) 1,2,3-Trichlorobenzene	15.554	180	321915	51.543	ug/L	98

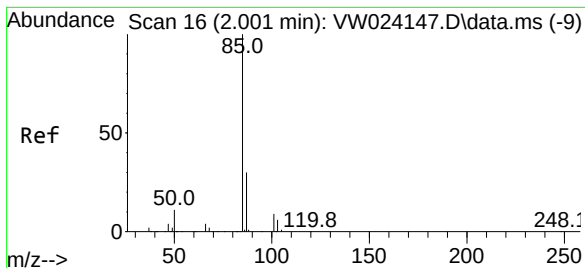
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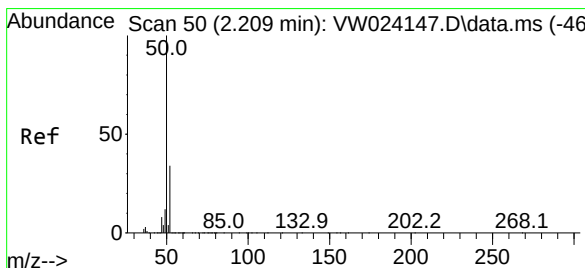
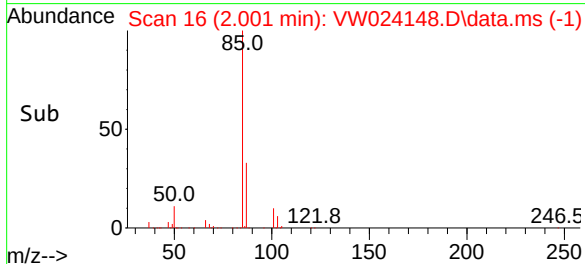
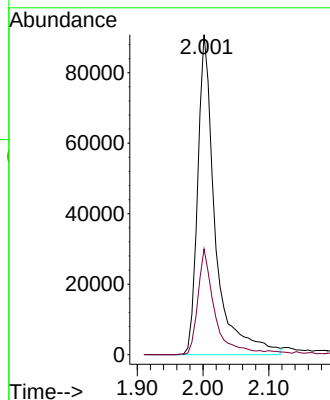
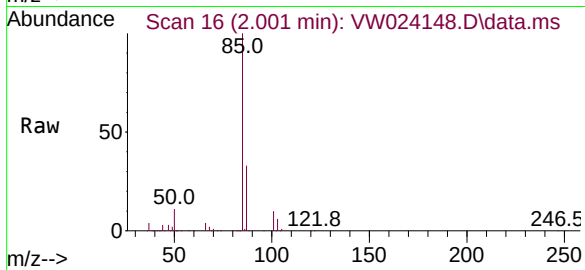




#2
 Dichlorodifluoromethane
 Concen: 57.247 ug/L
 RT: 2.001 min Scan# 16
 Delta R.T. 0.000 min
 Lab File: VW024148.D
 Acq: 03 Aug 2022 10:26

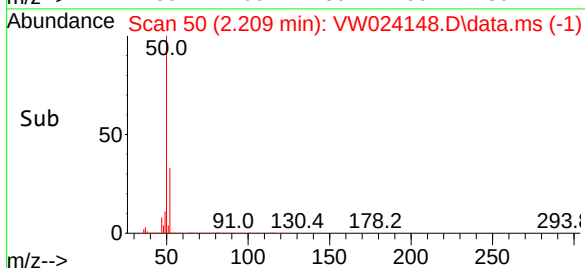
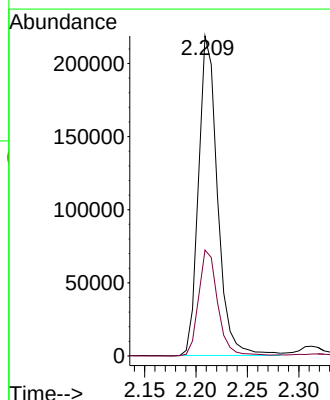
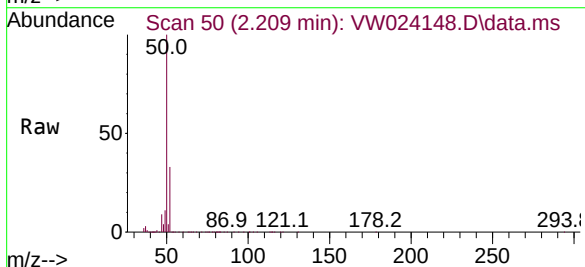
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD050404

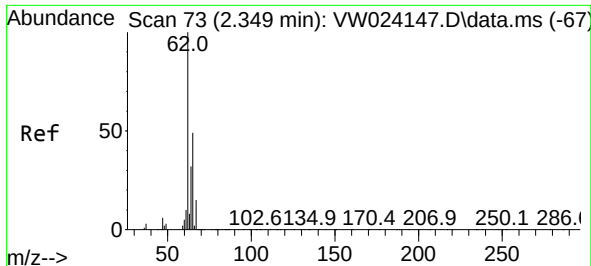
Tgt Ion: 85 Resp: 168862
 Ion Ratio Lower Upper
 85 100
 87 30.8 27.3 40.9



#3
 Chloromethane
 Concen: 48.774 ug/L
 RT: 2.209 min Scan# 50
 Delta R.T. 0.000 min
 Lab File: VW024148.D
 Acq: 03 Aug 2022 10:26

Tgt Ion: 50 Resp: 282169
 Ion Ratio Lower Upper
 50 100
 52 33.1 23.7 43.9

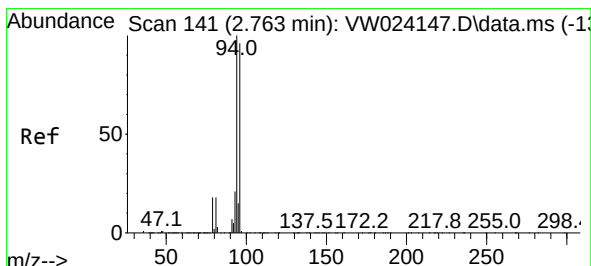
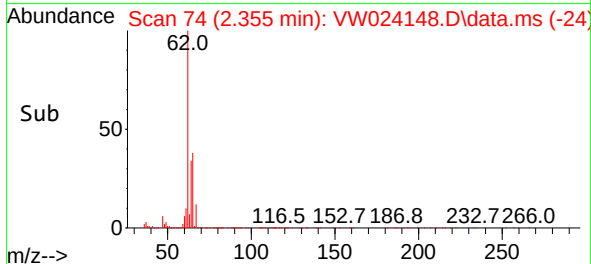
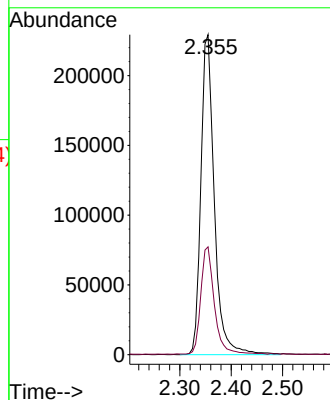
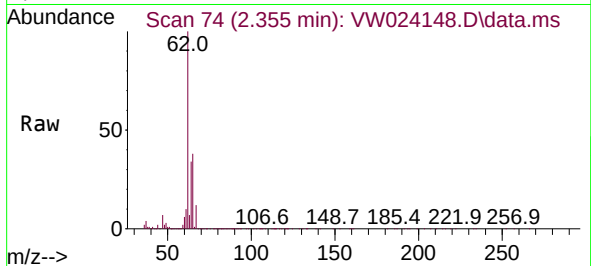




#5
 Vinyl chloride
 Concen: 47.220 ug/L
 RT: 2.355 min Scan# 74
 Delta R.T. 0.006 min
 Lab File: VW024148.D
 Acq: 03 Aug 2022 10:26

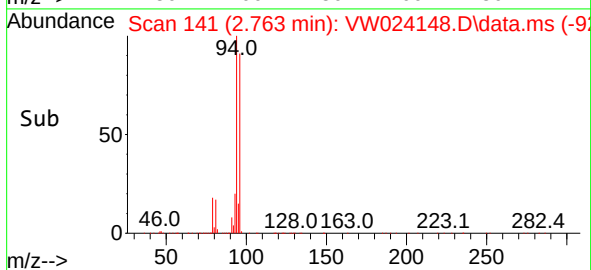
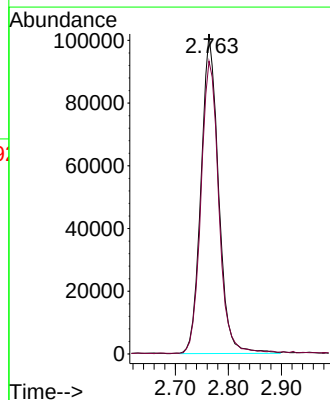
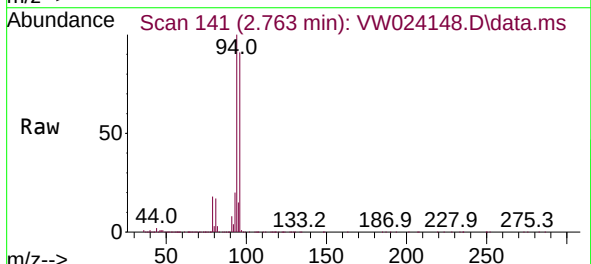
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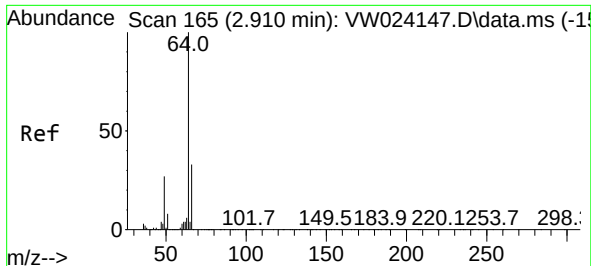
Tgt Ion: 62 Resp: 416118
 Ion Ratio Lower Upper
 62 100
 64 33.7 22.7 42.3



#6
 Bromomethane
 Concen: 44.993 ug/L
 RT: 2.763 min Scan# 141
 Delta R.T. 0.000 min
 Lab File: VW024148.D
 Acq: 03 Aug 2022 10:26

Tgt Ion: 94 Resp: 233518
 Ion Ratio Lower Upper
 94 100
 96 91.5 67.0 124.4

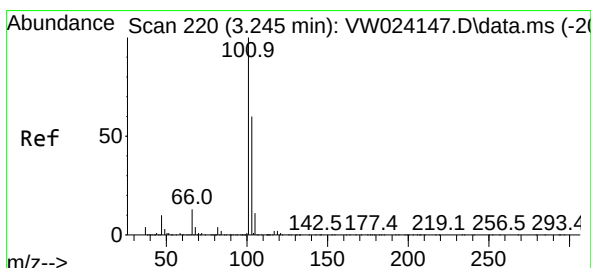
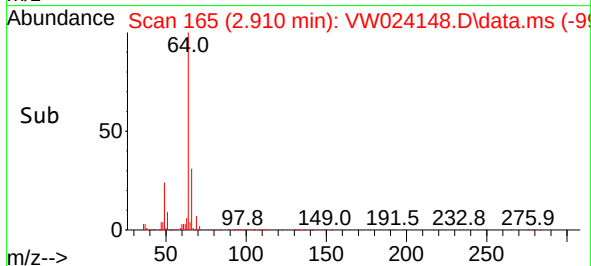
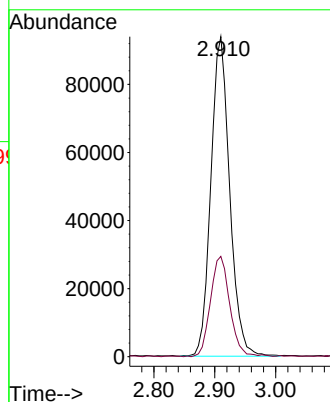
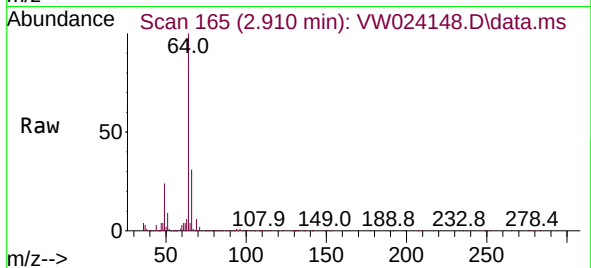




#8
Chloroethane
Concen: 53.259 ug/L
RT: 2.910 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW024148.D
Acq: 03 Aug 2022 10:26

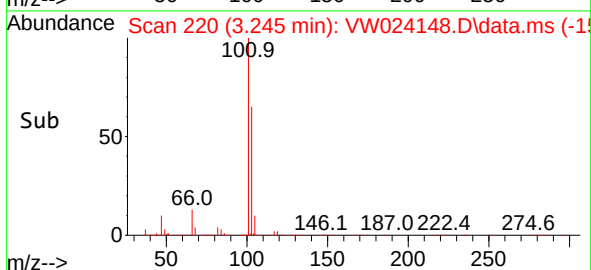
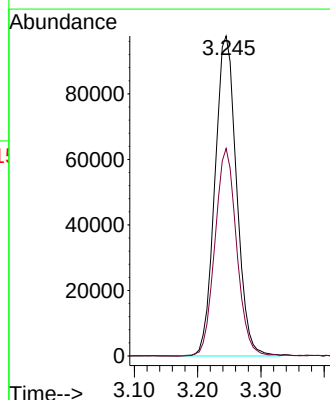
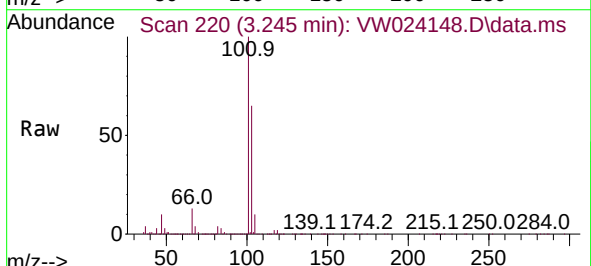
Instrument :
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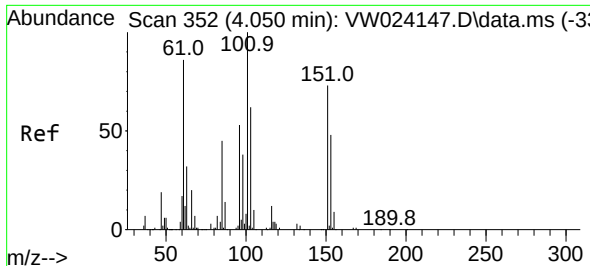
Tgt Ion: 64 Resp: 201266
Ion Ratio Lower Upper
64 100
66 31.3 23.3 43.3



#9
Trichlorofluoromethane
Concen: 46.143 ug/L
RT: 3.245 min Scan# 220
Delta R.T. 0.000 min
Lab File: VW024148.D
Acq: 03 Aug 2022 10:26

Tgt Ion: 101 Resp: 231668
Ion Ratio Lower Upper
101 100
103 64.8 52.2 78.2

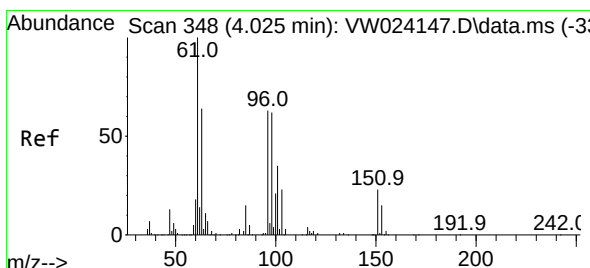
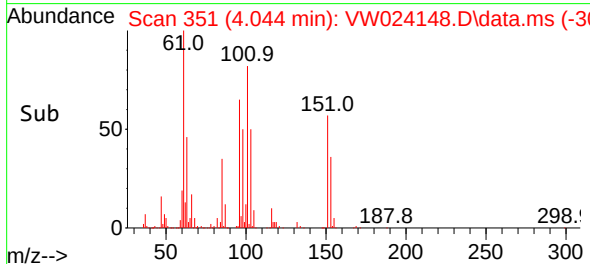
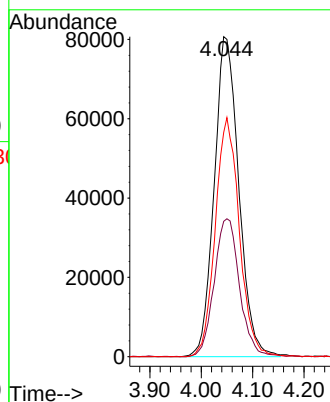
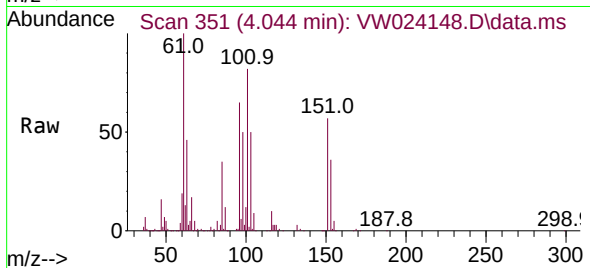




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 47.359 ug/L
RT: 4.044 min Scan# 31
Delta R.T. -0.006 min
Lab File: VW024148.D
Acq: 03 Aug 2022 10:26

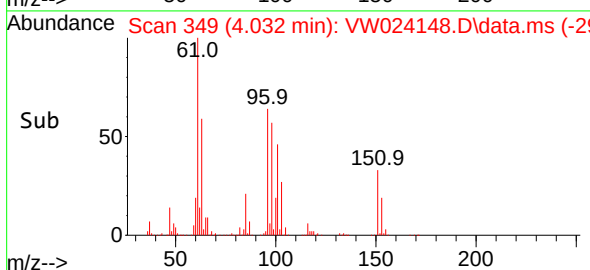
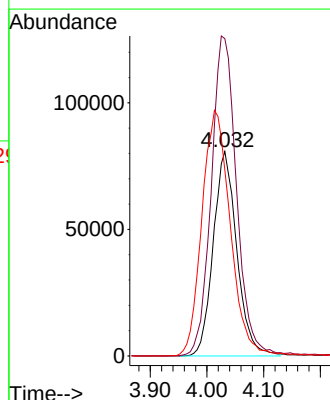
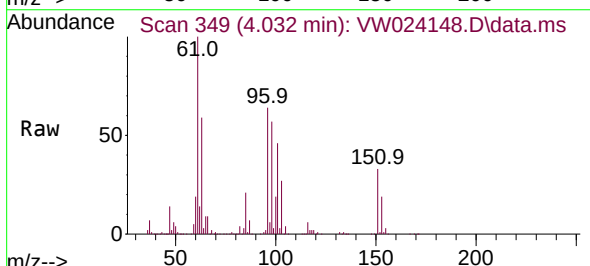
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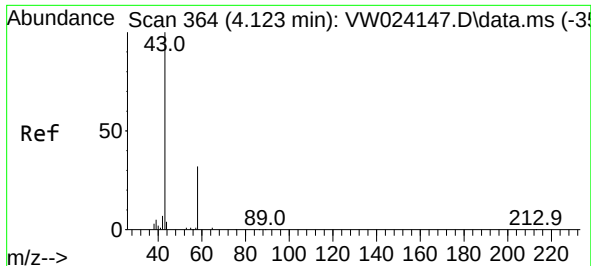
Tgt Ion:101 Resp: 268363
Ion Ratio Lower Upper
101 100
85 44.3 35.6 53.4
151 73.1 57.6 86.4



#12
1,1-Dichloroethene
Concen: 48.773 ug/L
RT: 4.032 min Scan# 349
Delta R.T. 0.006 min
Lab File: VW024148.D
Acq: 03 Aug 2022 10:26

Tgt Ion: 96 Resp: 233343
Ion Ratio Lower Upper
96 100
61 155.2 112.0 208.0
63 90.9 73.1 135.7

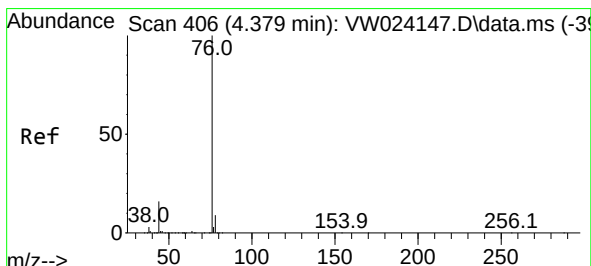
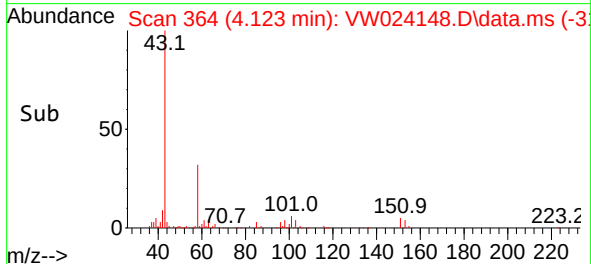
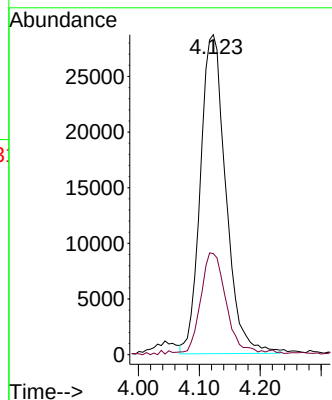
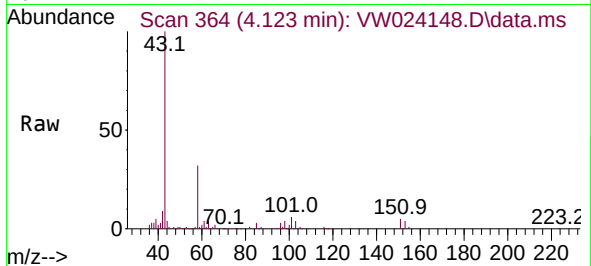




#13
Acetone
Concen: 81.657 ug/L
RT: 4.123 min Scan# 364
Delta R.T. 0.000 min
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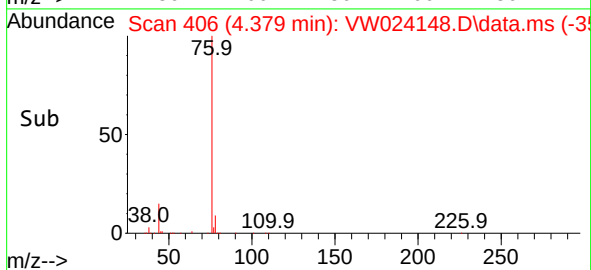
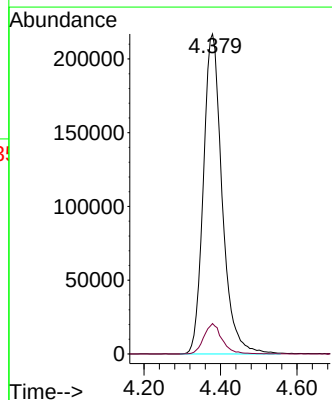
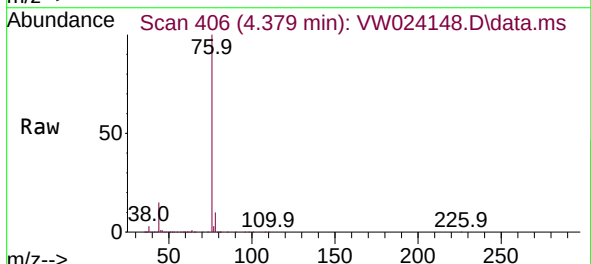
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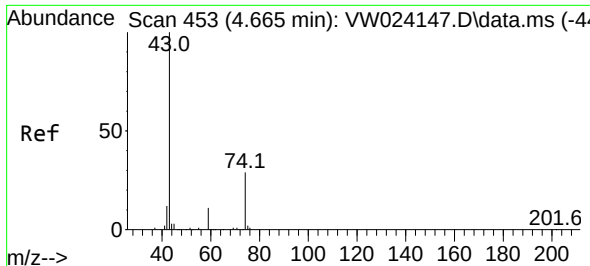
Tgt Ion: 43 Resp: 83002
Ion Ratio Lower Upper
43 100
58 29.5 0.0 66.0



#14
Carbon disulfide
Concen: 47.711 ug/L
RT: 4.379 min Scan# 406
Delta R.T. 0.000 min
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Tgt Ion: 76 Resp: 739309
Ion Ratio Lower Upper
76 100
78 9.5 7.3 10.9

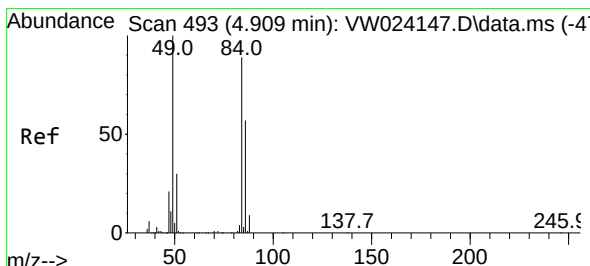
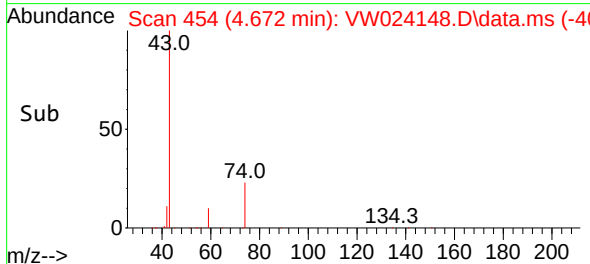
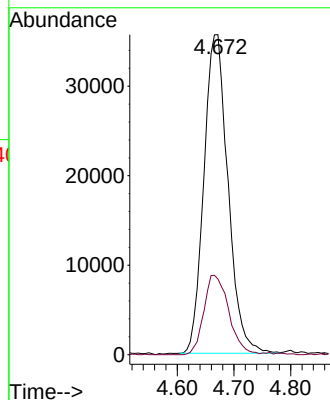
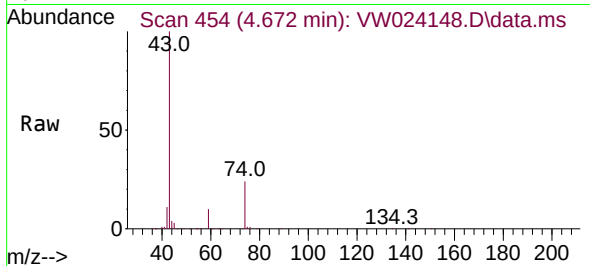




#15
Methyl Acetate
Concen: 47.528 ug/L
RT: 4.672 min Scan# 41
Delta R.T. 0.006 min
Lab File: VW024148.D
Acq: 03 Aug 2022 10:26

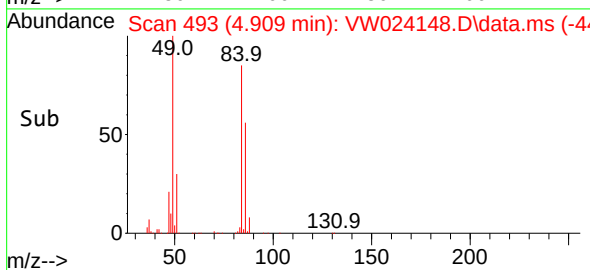
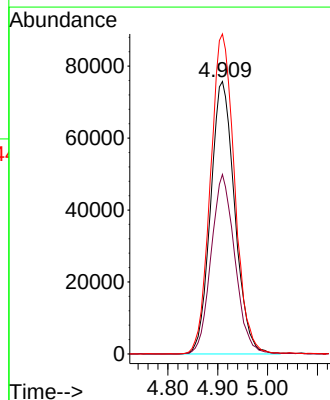
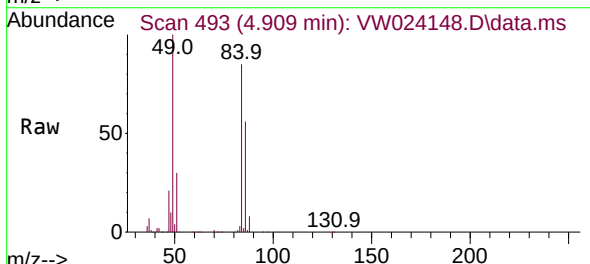
Instrument :
MSVOA_W
ClientSampleId :
VSTD050404

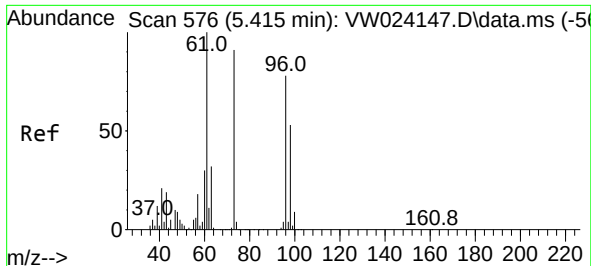
Tgt Ion: 43 Resp: 105149
Ion Ratio Lower Upper
43 100
74 25.7 21.6 32.4



#16
Methylene chloride
Concen: 35.700 ug/L
RT: 4.909 min Scan# 493
Delta R.T. 0.000 min
Lab File: VW024148.D
Acq: 03 Aug 2022 10:26

Tgt Ion: 84 Resp: 253938
Ion Ratio Lower Upper
84 100
86 65.9 44.7 83.1
49 117.4 78.6 146.0

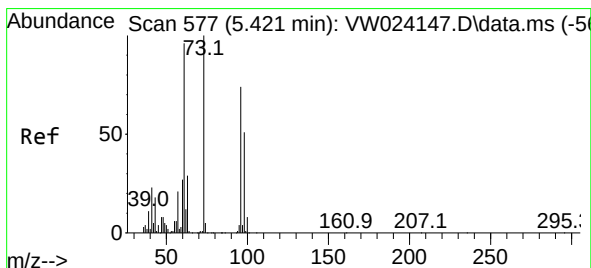
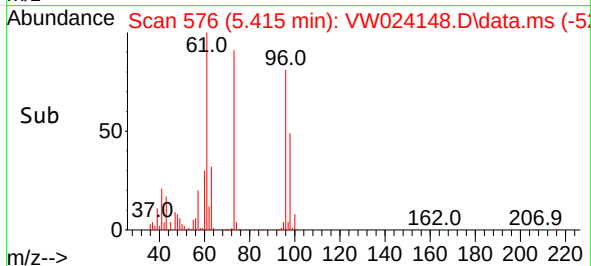
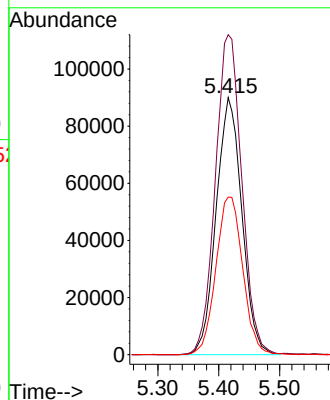
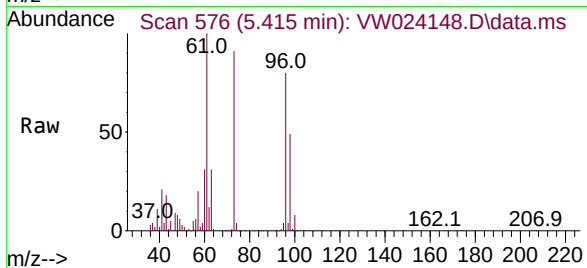




#17
trans-1,2-Dichloroethene
Concen: 49.030 ug/L
RT: 5.415 min Scan# 576
Delta R.T. 0.000 min
Lab File: VW024148.D
Acq: 03 Aug 2022 10:26

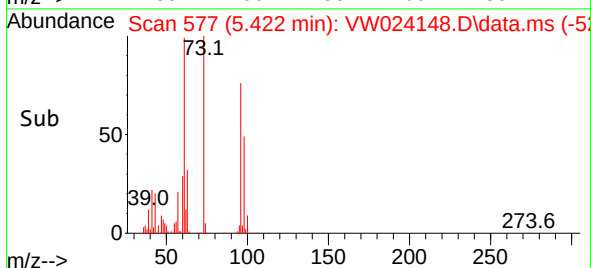
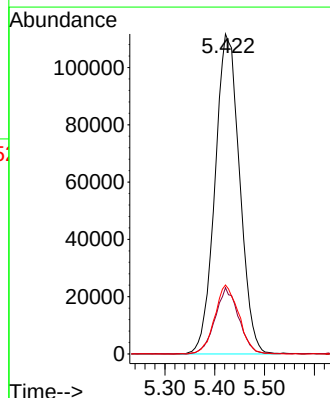
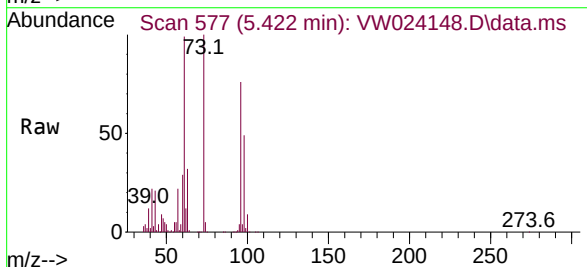
Instrument :
MSVOA_W
ClientSampleId :
VSTD050404

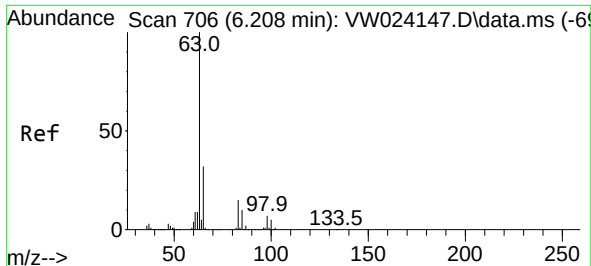
Tgt Ion: 96 Resp: 263937
Ion Ratio Lower Upper
96 100
61 124.5 90.2 167.6
98 61.3 47.4 88.0



#18
Methyl tert-butyl Ether
Concen: 52.190 ug/L
RT: 5.422 min Scan# 577
Delta R.T. 0.000 min
Lab File: VW024148.D
Acq: 03 Aug 2022 10:26

Tgt Ion: 73 Resp: 382884
Ion Ratio Lower Upper
73 100
43 19.8 16.6 25.0
57 21.1 16.6 25.0





#19

1,1-Dichloroethane

Concen: 47.295 ug/L

RT: 6.208 min Scan# 706

Delta R.T. 0.000 min

Lab File: VW024148.D

Acq: 03 Aug 2022 10:26

Instrument :

MSVOA_W

ClientSampleId :

VSTD050404

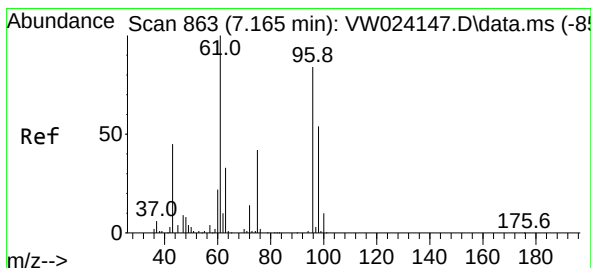
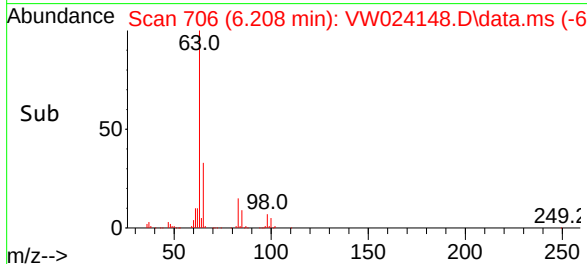
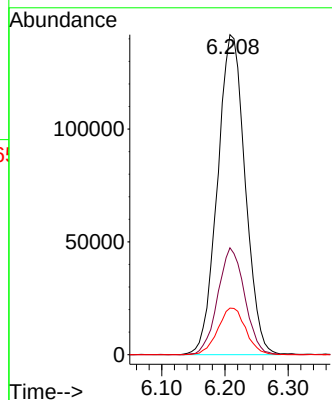
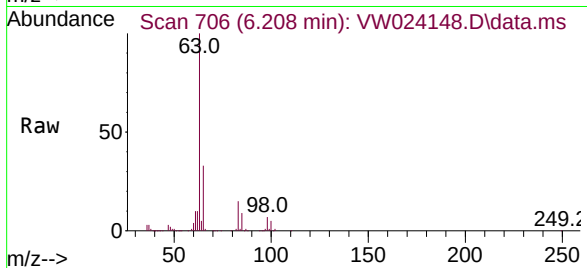
Tgt Ion: 63 Resp: 430587

Ion Ratio Lower Upper

63 100

65 33.4 22.3 41.3

83 14.6 10.1 18.9



#20

cis-1,2-Dichloroethene

Concen: 49.540 ug/L

RT: 7.159 min Scan# 862

Delta R.T. -0.006 min

Lab File: VW024148.D

Acq: 03 Aug 2022 10:26

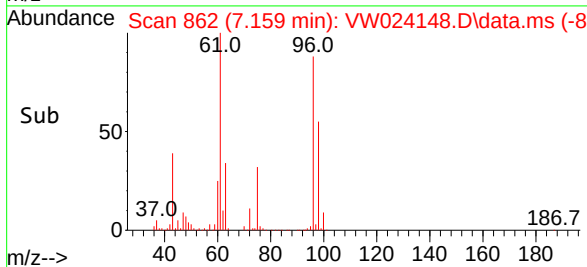
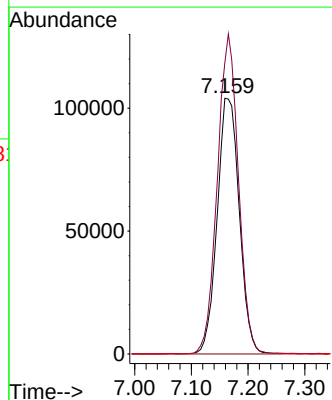
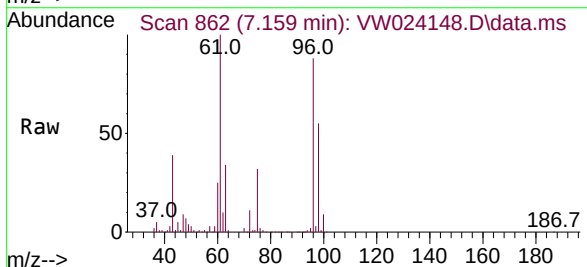
Tgt Ion: 96 Resp: 281825

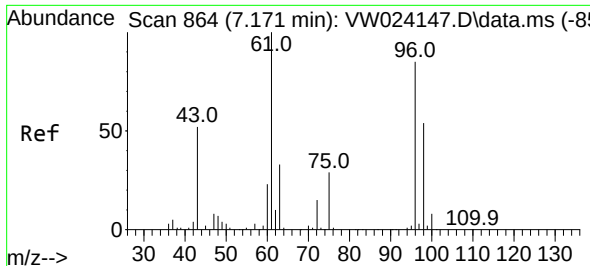
Ion Ratio Lower Upper

96 100

61 113.8 83.9 155.9

68 0.0 0.0 0.0

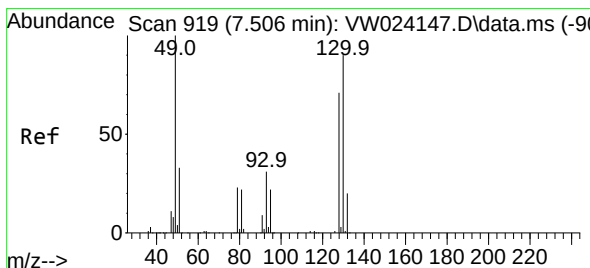
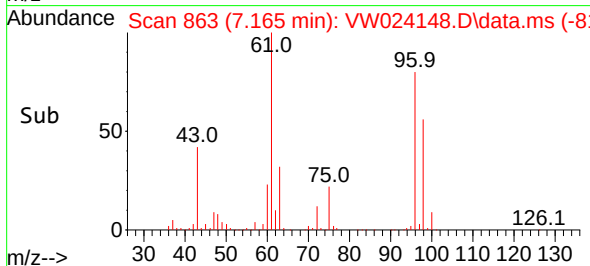
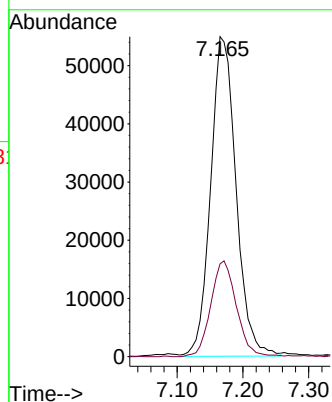
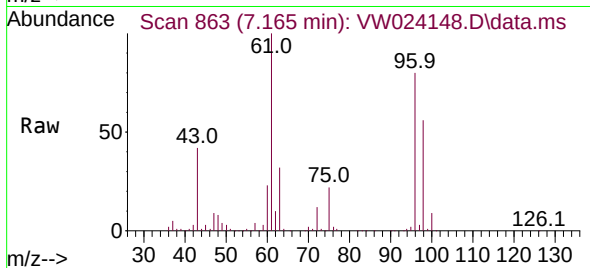




#22
2-Butanone
Concen: 90.849 ug/L
RT: 7.165 min Scan# 863
Delta R.T. -0.006 min
Lab File: VW024148.D
Acq: 03 Aug 2022 10:26

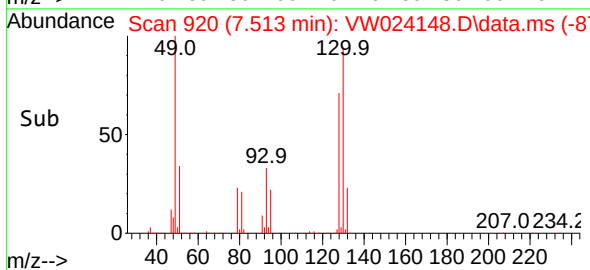
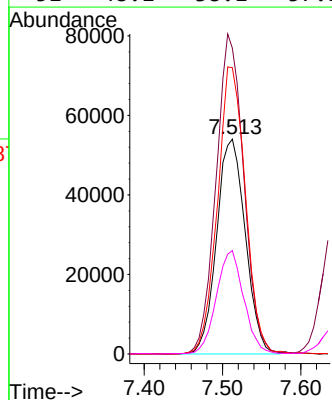
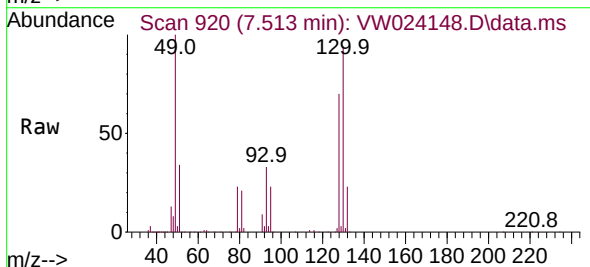
Instrument :
MSVOA_W
ClientSampleId :
VSTD050404

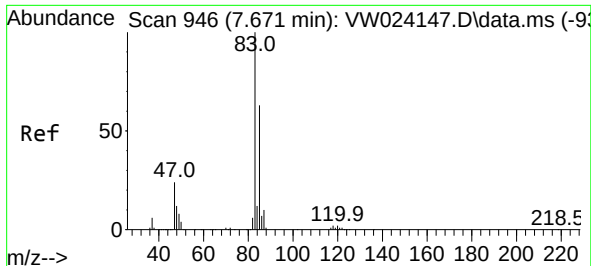
Tgt Ion: 43 Resp: 147714
Ion Ratio Lower Upper
43 100
72 30.0 14.6 43.8



#23
Bromochloromethane
Concen: 48.097 ug/L
RT: 7.513 min Scan# 920
Delta R.T. 0.006 min
Lab File: VW024148.D
Acq: 03 Aug 2022 10:26

Tgt Ion:128 Resp: 137735
Ion Ratio Lower Upper
128 100
49 142.3 99.0 184.0
130 133.2 89.4 166.0
51 48.1 38.1 57.1

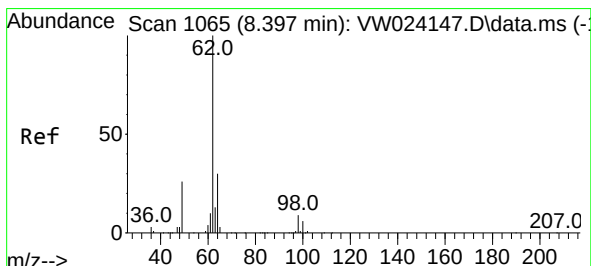
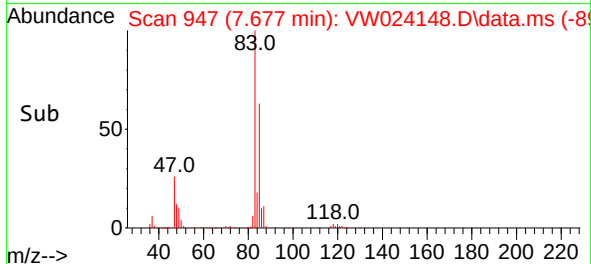
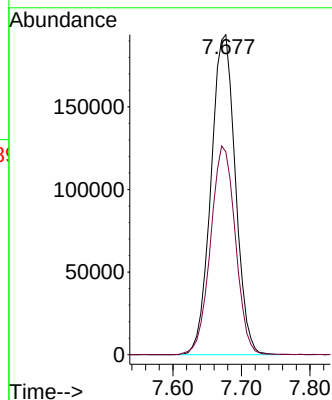
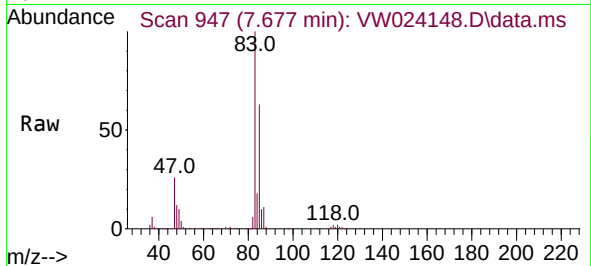




#25
Chloroform
Concen: 47.108 ug/L
RT: 7.677 min Scan# 946
Delta R.T. 0.006 min
Lab File: VW024148.D
Acq: 03 Aug 2022 10:26

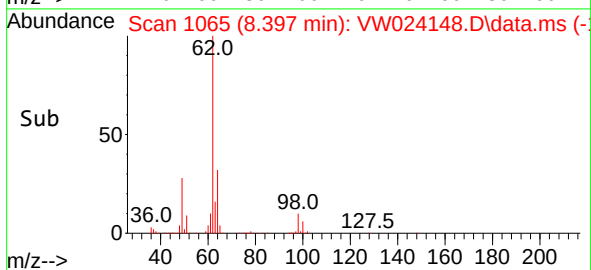
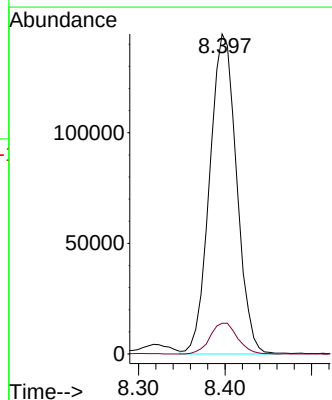
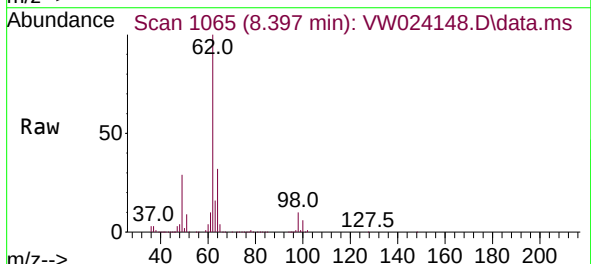
Instrument :
MSVOA_W
ClientSampleId :
VSTD050404

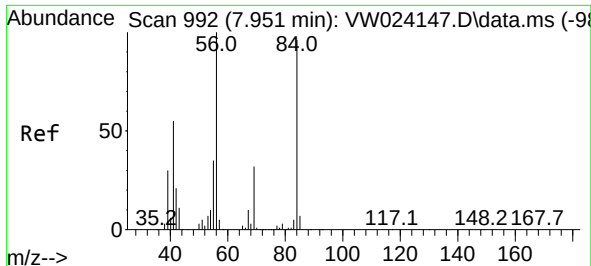
Tgt Ion: 83 Resp: 477651
Ion Ratio Lower Upper
83 100
85 63.4 44.6 82.8



#27
1,2-Dichloroethane
Concen: 46.755 ug/L
RT: 8.397 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VW024148.D
Acq: 03 Aug 2022 10:26

Tgt Ion: 62 Resp: 312624
Ion Ratio Lower Upper
62 100
98 9.6 7.4 11.0





#29

Cyclohexane

Concen: 52.659 ug/L

RT: 7.952 min Scan# 992

Delta R.T. 0.000 min

Lab File: VW024148.D

Acq: 03 Aug 2022 10:26

Instrument :

MSVOA_W

ClientSampleId :

VSTD050404

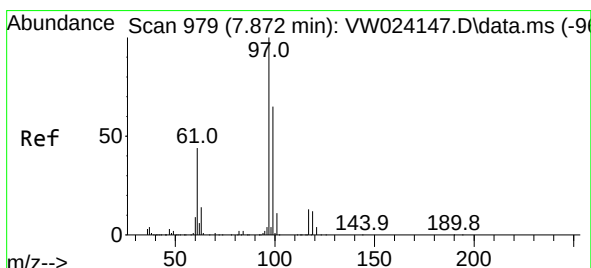
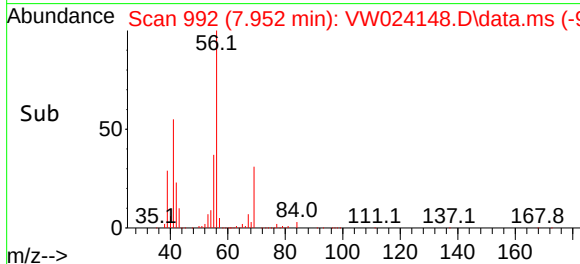
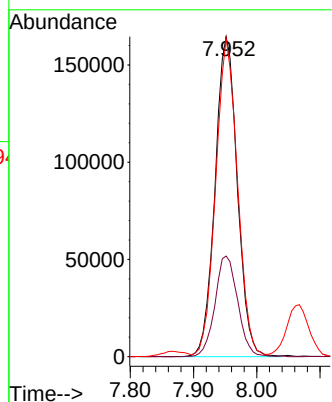
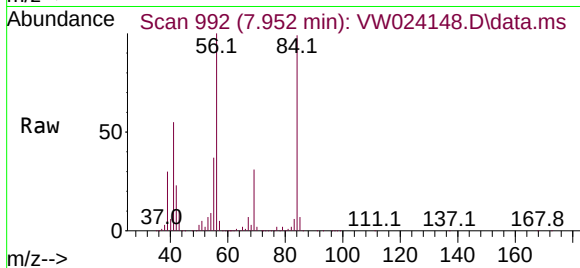
Tgt Ion: 56 Resp: 401106

Ion Ratio Lower Upper

56 100

69 32.1 25.1 37.7

84 97.5 77.4 116.2



#30

1,1,1-Trichloroethane

Concen: 46.907 ug/L

RT: 7.872 min Scan# 979

Delta R.T. 0.000 min

Lab File: VW024148.D

Acq: 03 Aug 2022 10:26

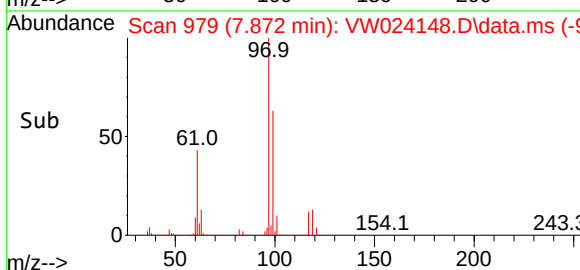
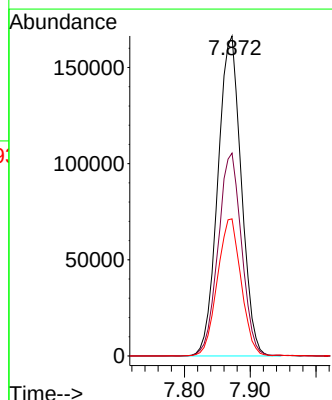
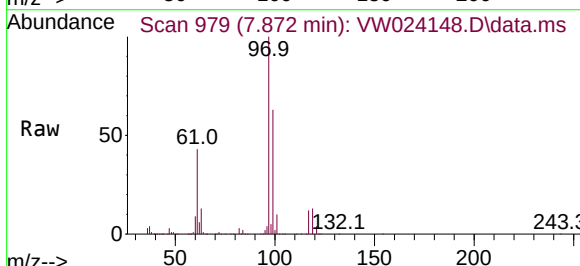
Tgt Ion: 97 Resp: 412463

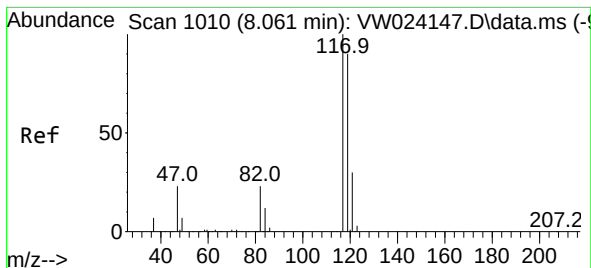
Ion Ratio Lower Upper

97 100

99 63.5 50.9 76.3

61 43.4 35.0 52.6





#31

Carbon tetrachloride

Concen: 47.958 ug/L

RT: 8.061 min Scan# 1010

Delta R.T. 0.000 min

Lab File: VW024148.D

Acq: 03 Aug 2022 10:26

Instrument :

MSVOA_W

ClientSampleId :

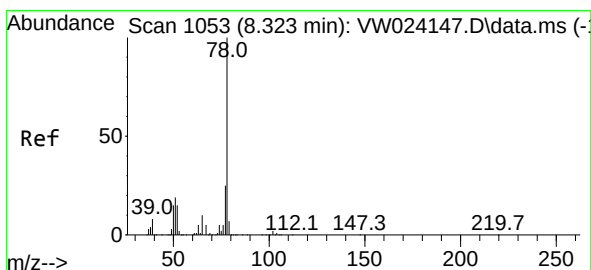
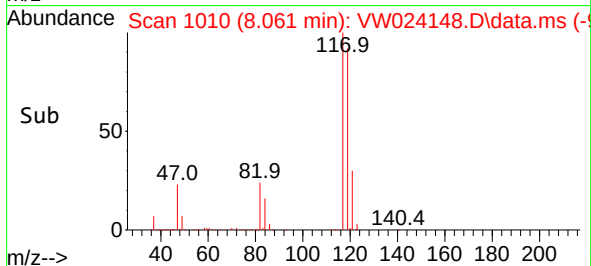
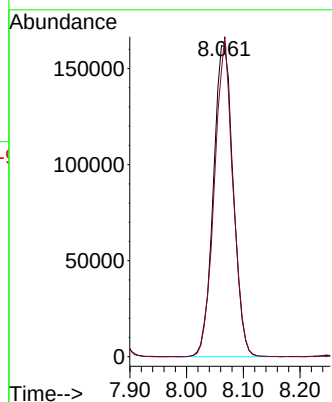
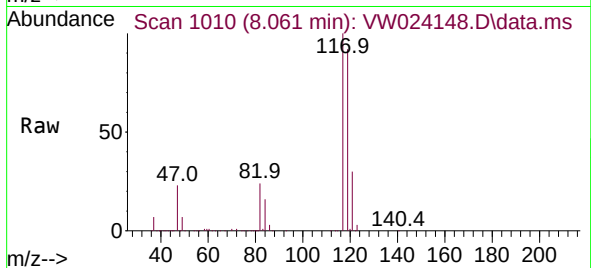
VSTD050404

Tgt Ion:117 Resp: 395208

Ion Ratio Lower Upper

117 100

119 95.4 77.3 115.9



#33

Benzene

Concen: 46.677 ug/L

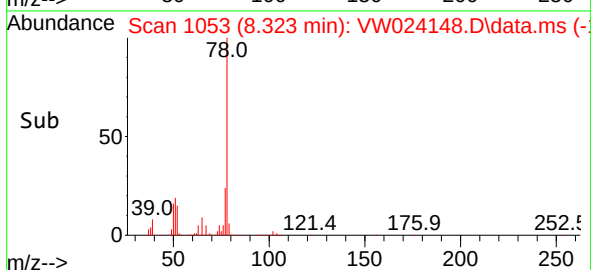
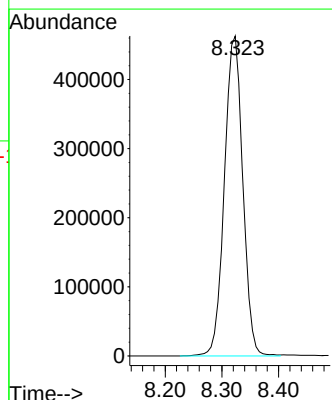
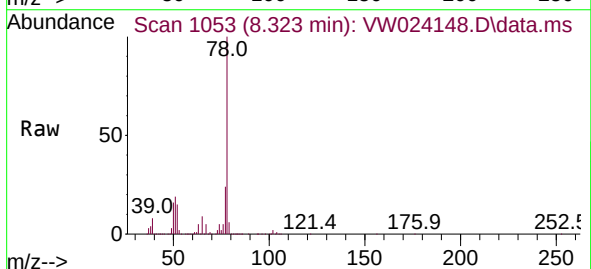
RT: 8.323 min Scan# 1053

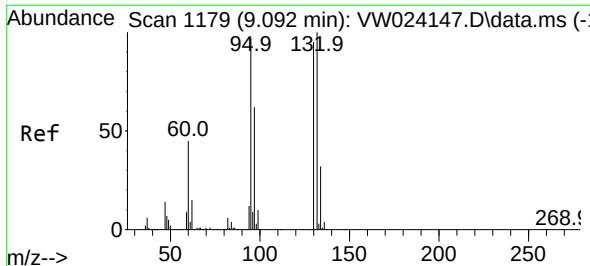
Delta R.T. 0.000 min

Lab File: VW024148.D

Acq: 03 Aug 2022 10:26

Tgt Ion: 78 Resp: 1042362

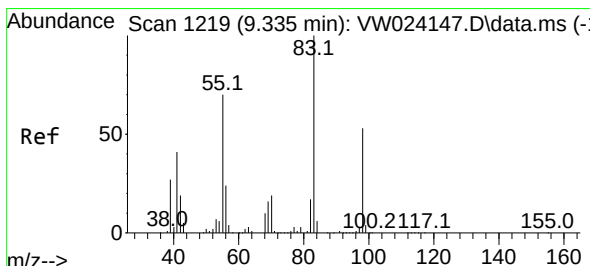
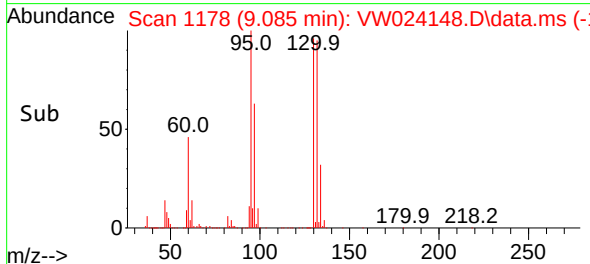
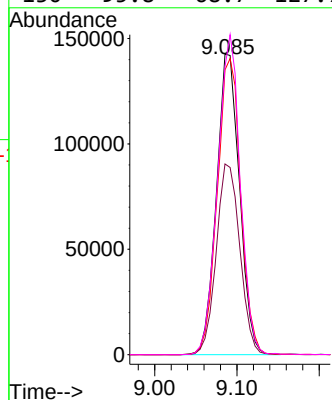
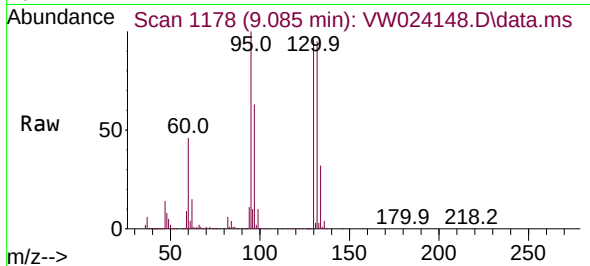




#34
Trichloroethene
Concen: 46.514 ug/L
RT: 9.085 min Scan# 1178
Delta R.T. -0.006 min
Lab File: VW024148.D
Acq: 03 Aug 2022 10:26

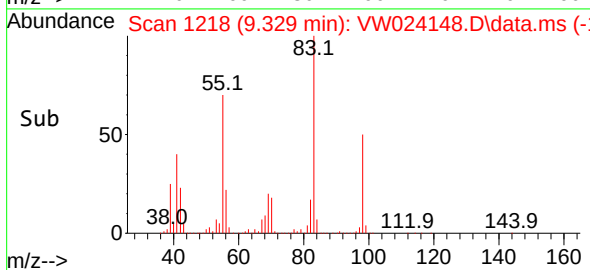
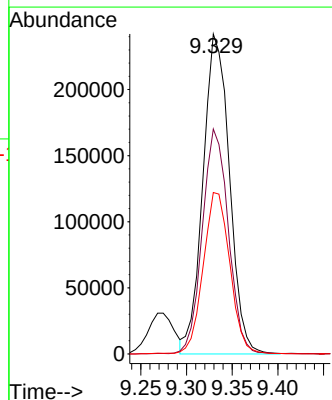
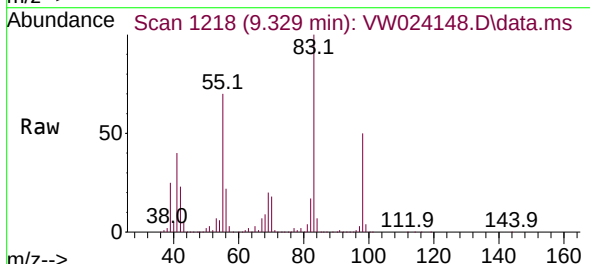
Instrument :
MSVOA_W
ClientSampleId :
VSTD050404

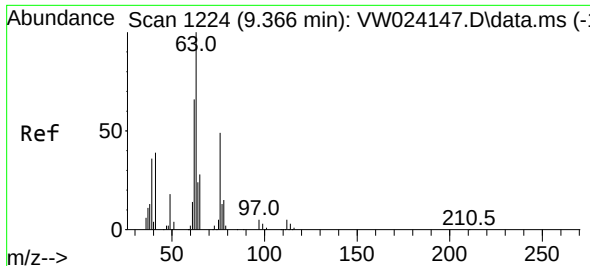
Tgt Ion: 95 Resp: 278026
Ion Ratio Lower Upper
95 100
97 63.4 44.9 83.3
132 94.7 72.4 134.5
130 95.8 68.7 127.7



#35
Methylcyclohexane
Concen: 51.649 ug/L
RT: 9.329 min Scan# 1218
Delta R.T. -0.006 min
Lab File: VW024148.D
Acq: 03 Aug 2022 10:26

Tgt Ion: 83 Resp: 487719
Ion Ratio Lower Upper
83 100
55 69.2 56.7 85.1
98 50.8 40.8 61.2





#37

1,2-Dichloropropane

Concen: 46.580 ug/L

RT: 9.366 min Scan# 1224

Delta R.T. 0.000 min

Lab File: VW024148.D

Acq: 03 Aug 2022 10:26

Instrument :

MSVOA_W

ClientSampleId :

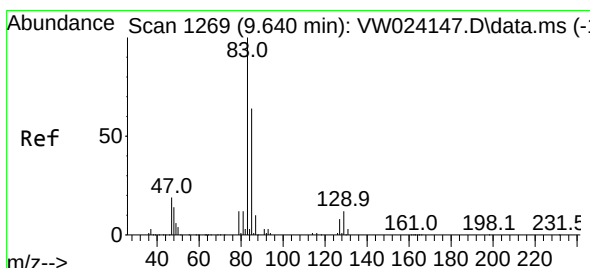
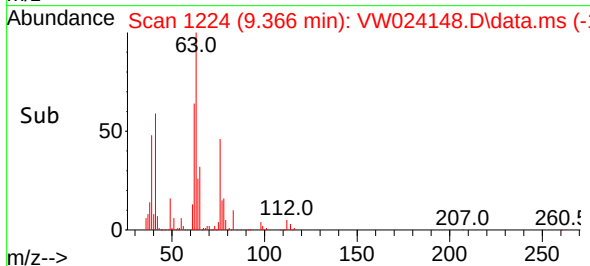
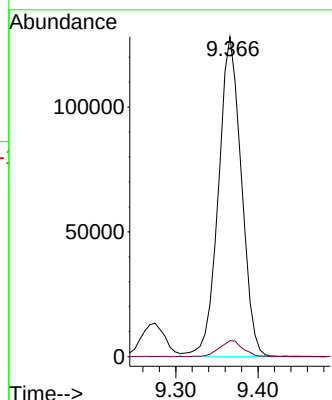
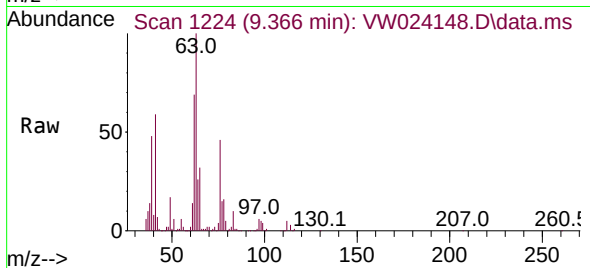
VSTD050404

Tgt Ion: 63 Resp: 247507

Ion Ratio Lower Upper

63 100

112 5.1 4.0 6.0



#38

Bromodichloromethane

Concen: 46.900 ug/L

RT: 9.640 min Scan# 1269

Delta R.T. 0.000 min

Lab File: VW024148.D

Acq: 03 Aug 2022 10:26

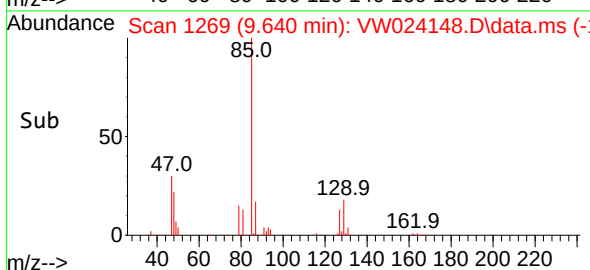
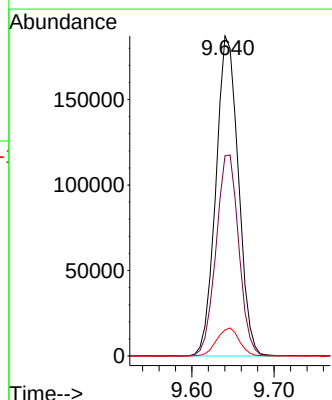
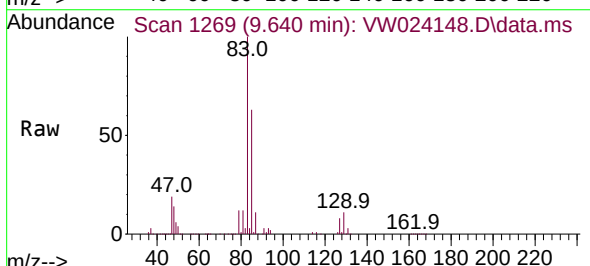
Tgt Ion: 83 Resp: 356130

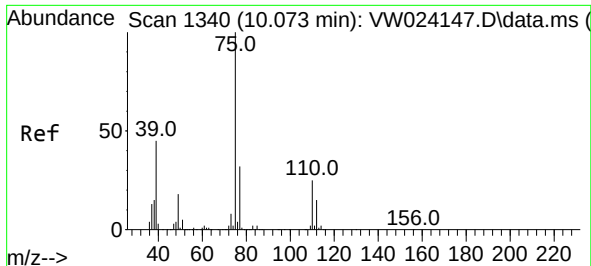
Ion Ratio Lower Upper

83 100

85 62.6 44.7 83.1

127 8.1 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 50.457 ug/L

RT: 10.073 min Scan# 1340

Delta R.T. 0.000 min

Lab File: VW024148.D

Acq: 03 Aug 2022 10:26

Instrument :

MSVOA_W

ClientSampleId :

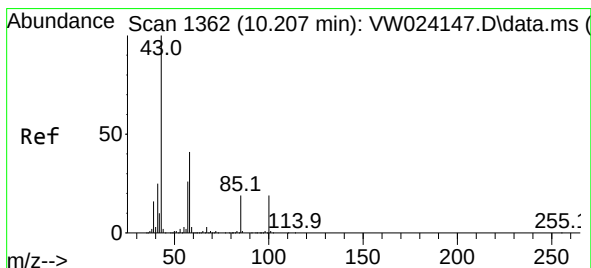
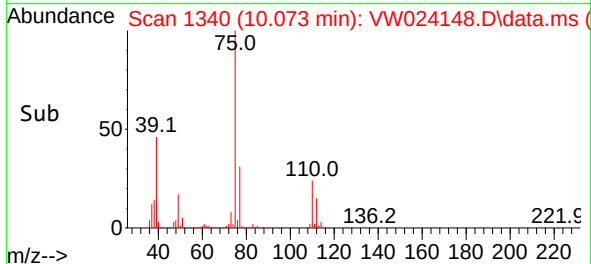
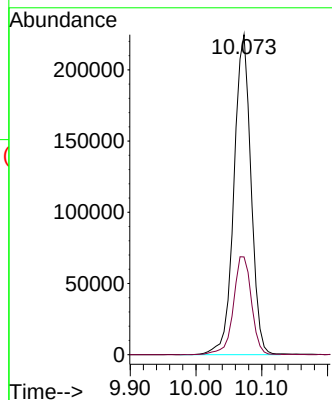
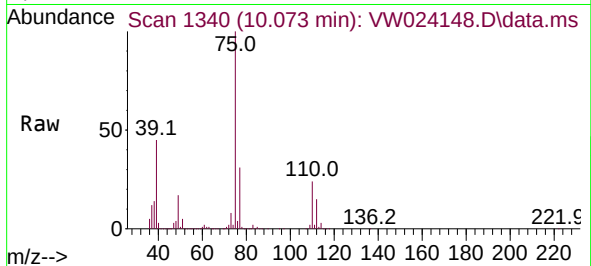
VSTD050404

Tgt Ion: 75 Resp: 405535

Ion Ratio Lower Upper

75 100

77 30.5 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 98.783 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. 0.000 min

Lab File: VW024148.D

Acq: 03 Aug 2022 10:26

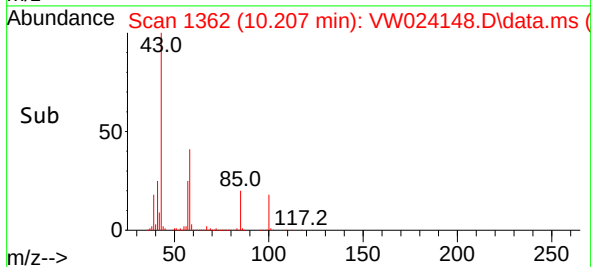
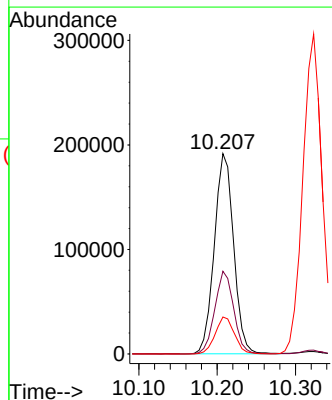
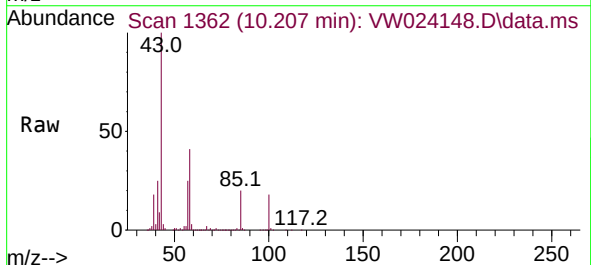
Tgt Ion: 43 Resp: 328771

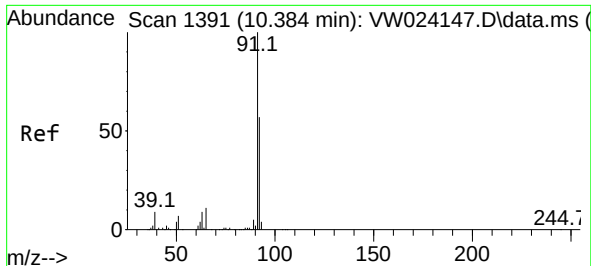
Ion Ratio Lower Upper

43 100

58 40.4 31.9 47.9

100 18.4 14.4 21.6

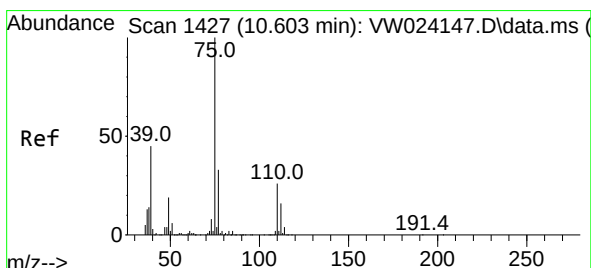
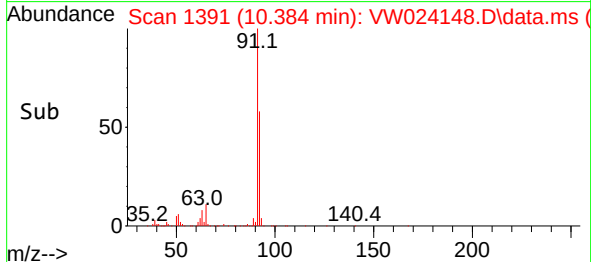
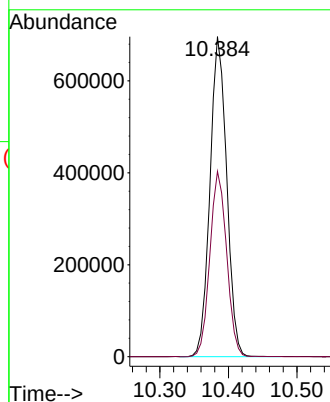
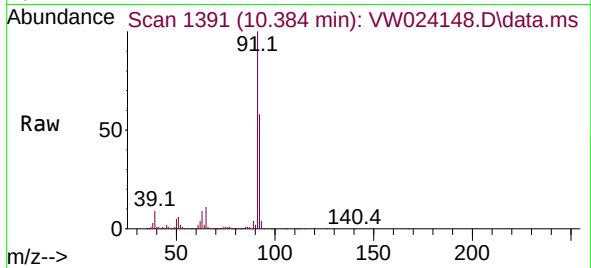




#42
Toluene
Concen: 49.531 ug/L
RT: 10.384 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VW024148.D
Acq: 03 Aug 2022 10:26

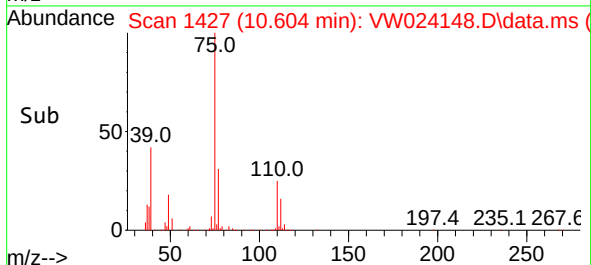
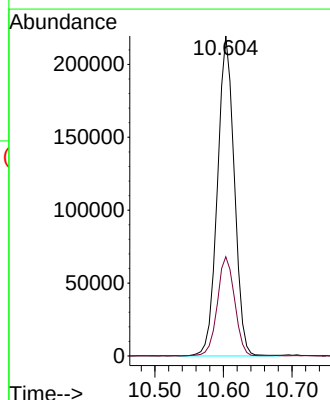
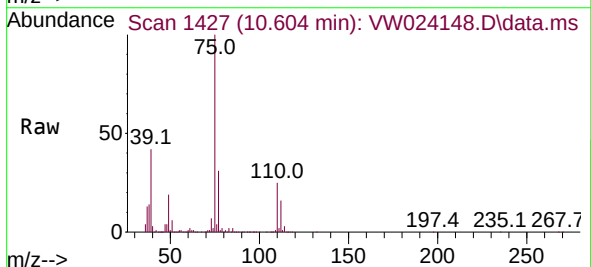
Instrument :
MSVOA_W
ClientSampleId :
VSTD050404

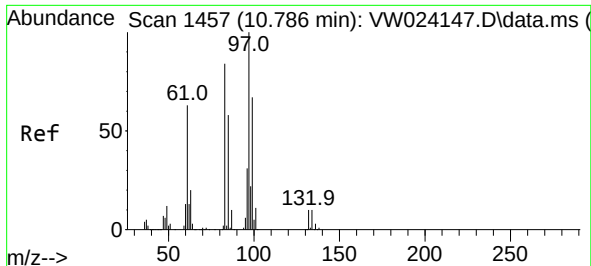
Tgt Ion: 91 Resp: 1181110
Ion Ratio Lower Upper
91 100
92 57.9 39.9 74.1



#44
trans-1,3-Dichloropropene
Concen: 50.904 ug/L
RT: 10.604 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VW024148.D
Acq: 03 Aug 2022 10:26

Tgt Ion: 75 Resp: 374327
Ion Ratio Lower Upper
75 100
77 31.0 23.4 43.4



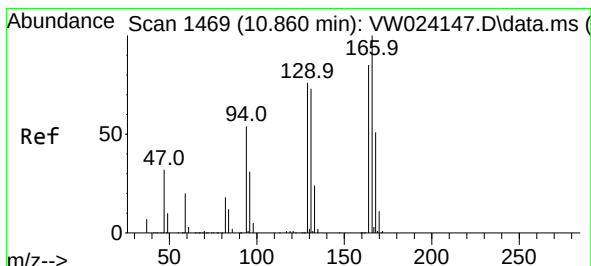
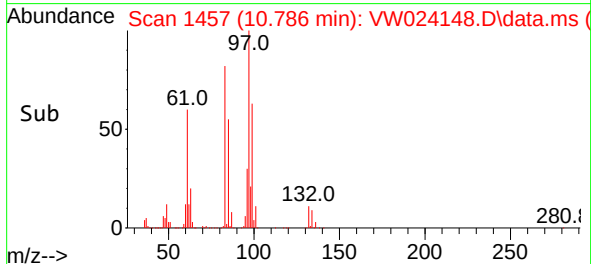
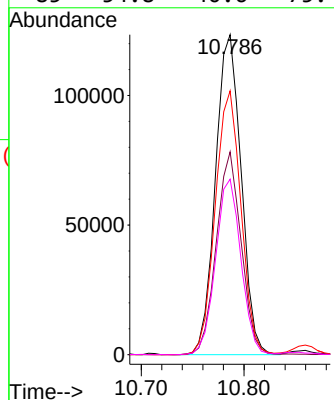
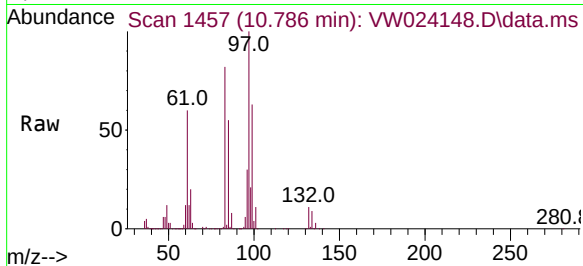


#45
1,1,2-Trichloroethane
Concen: 47.150 ug/L
RT: 10.786 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VW024148.D
Acq: 03 Aug 2022 10:26

Instrument :
MSVOA_W
ClientSampleId :
VSTD050404

Tgt Ion: 97 Resp: 214154

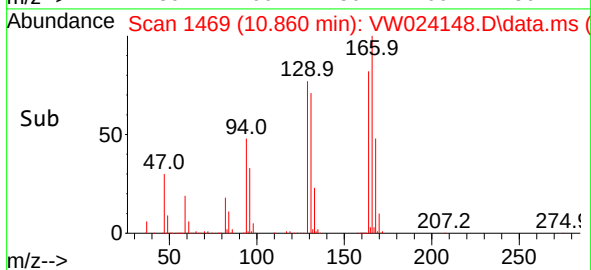
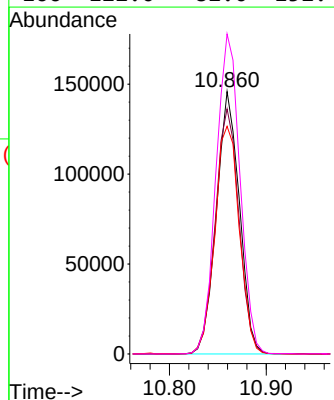
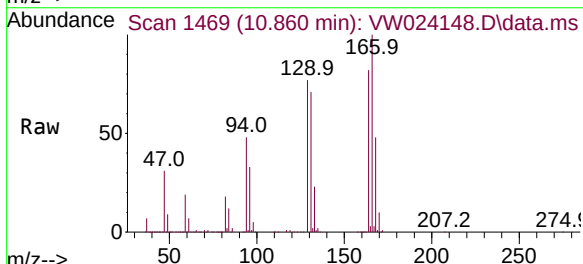
Ion	Ratio	Lower	Upper
97	100		
99	63.4	46.5	86.5
83	82.4	58.6	108.8
85	54.8	40.6	75.4

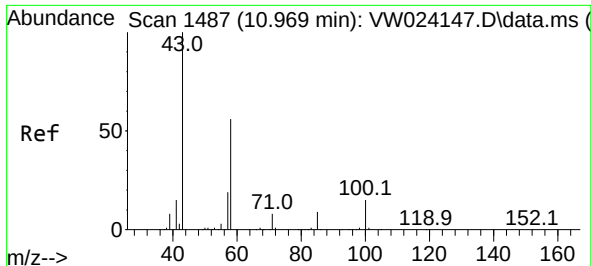


#46
Tetrachloroethene
Concen: 47.834 ug/L
RT: 10.860 min Scan# 1469
Delta R.T. 0.000 min
Lab File: VW024148.D
Acq: 03 Aug 2022 10:26

Tgt Ion: 164 Resp: 240928

Ion	Ratio	Lower	Upper
164	100		
129	93.4	62.4	115.8
131	86.8	60.3	111.9
166	122.0	82.0	152.4

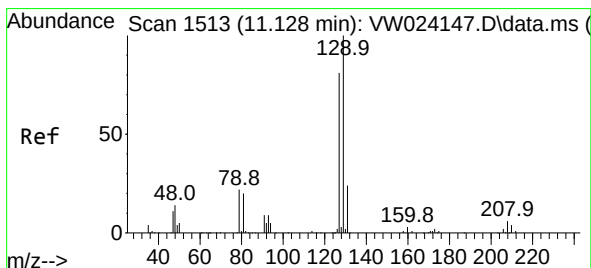
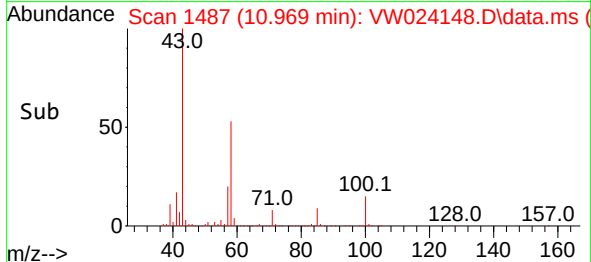
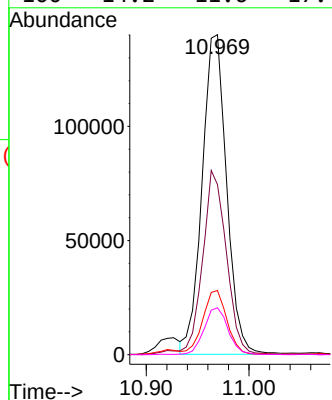
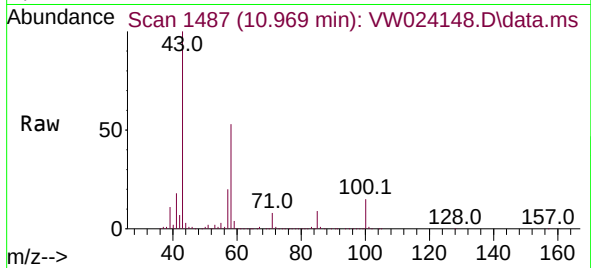




#48
2-Hexanone
Concen: 101.484 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VW024148.D
Acq: 03 Aug 2022 10:26

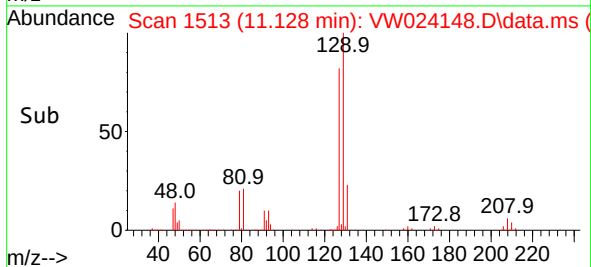
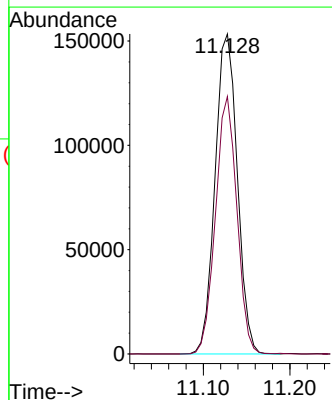
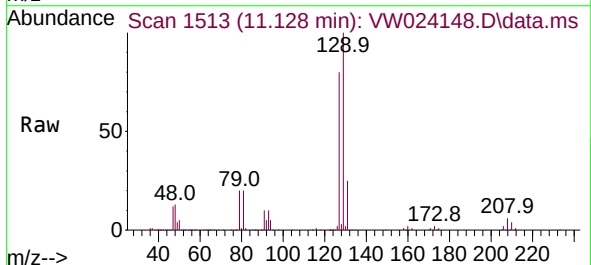
Instrument :
MSVOA_W
ClientSampleId :
VSTD050404

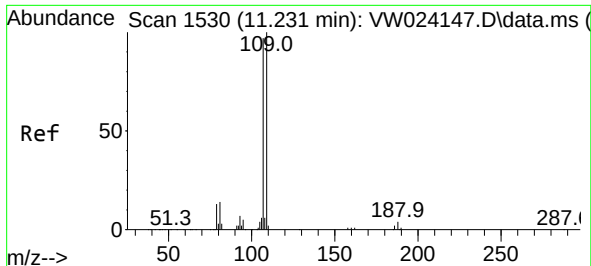
Tgt Ion: 43 Resp: 232840
Ion Ratio Lower Upper
43 100
58 55.8 44.7 67.1
57 19.4 16.2 24.2
100 14.2 11.6 17.4



#49
Dibromochloromethane
Concen: 49.484 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VW024148.D
Acq: 03 Aug 2022 10:26

Tgt Ion:129 Resp: 273973
Ion Ratio Lower Upper
129 100
127 80.5 56.5 104.9

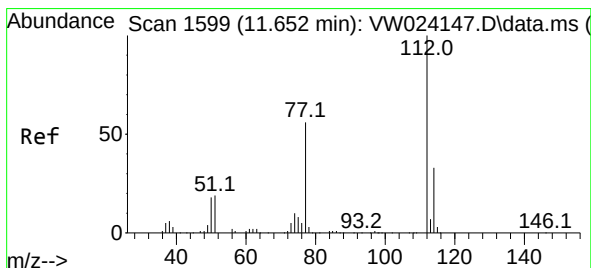
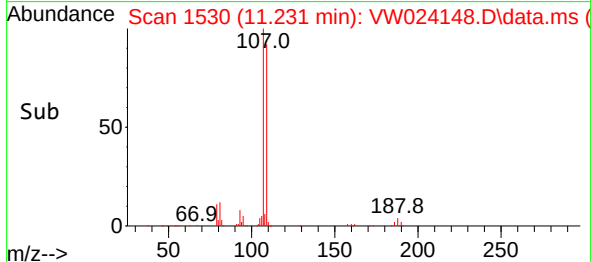
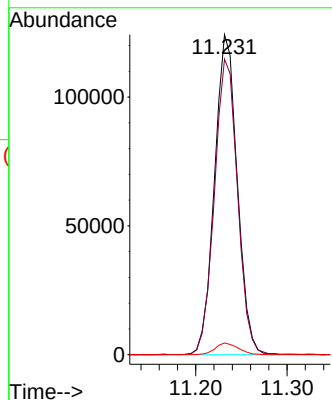
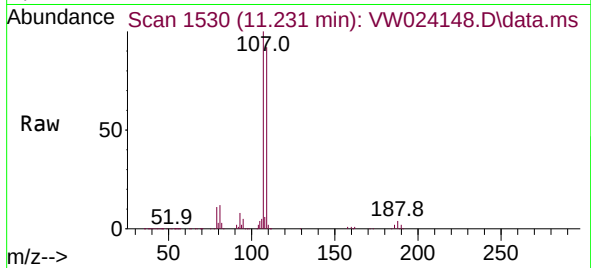




#50
1,2-Dibromoethane
Concen: 48.143 ug/L
RT: 11.231 min Scan# 1530
Delta R.T. 0.000 min
Lab File: VW024148.D
Acq: 03 Aug 2022 10:26

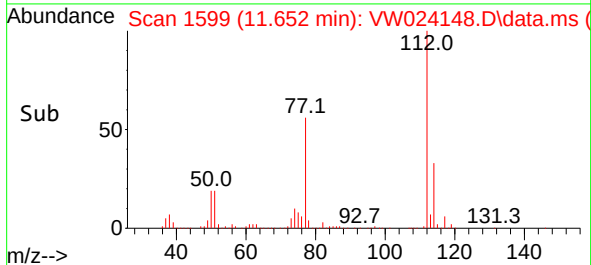
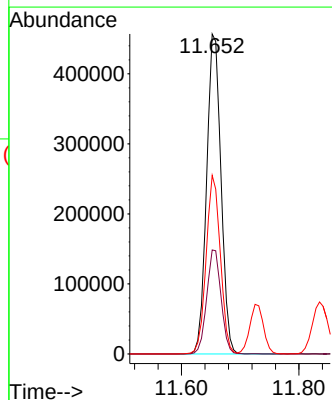
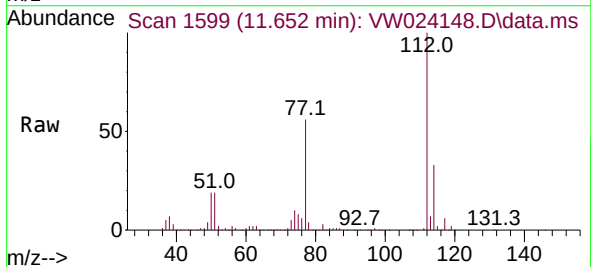
Instrument :
MSVOA_W
ClientSampleId :
VSTD050404

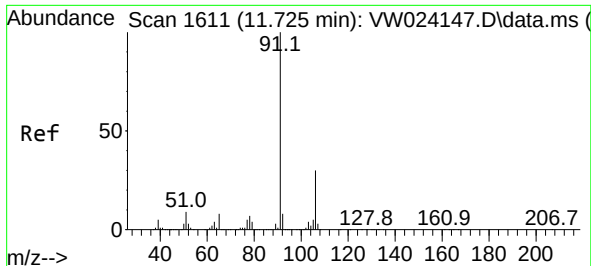
Tgt Ion:107 Resp: 214517
Ion Ratio Lower Upper
107 100
109 92.3 72.1 133.9
188 3.6 3.0 4.4



#51
Chlorobenzene
Concen: 47.052 ug/L
RT: 11.652 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VW024148.D
Acq: 03 Aug 2022 10:26

Tgt Ion:112 Resp: 775909
Ion Ratio Lower Upper
112 100
114 32.5 23.4 43.4
77 55.8 45.0 67.6





#52

Ethylbenzene

Concen: 50.542 ug/L

RT: 11.731 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW024148.D

Acq: 03 Aug 2022 10:26

Instrument :

MSVOA_W

ClientSampleId :

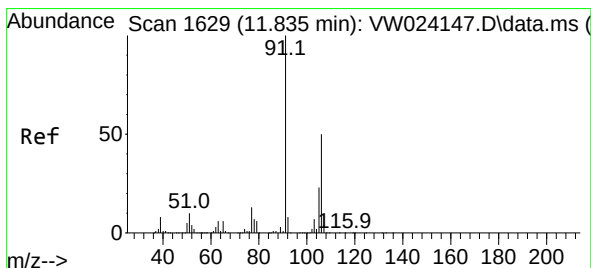
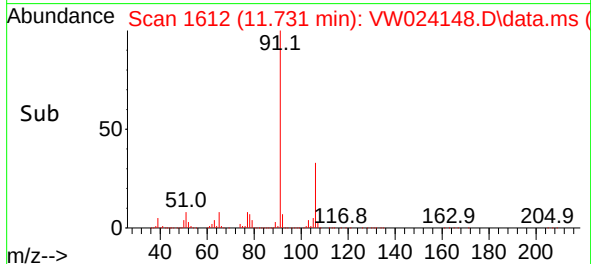
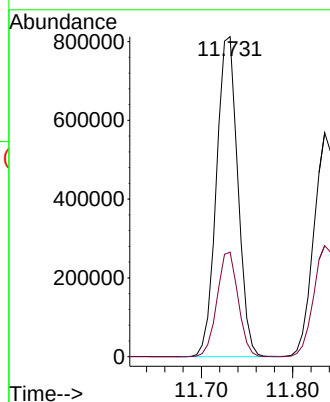
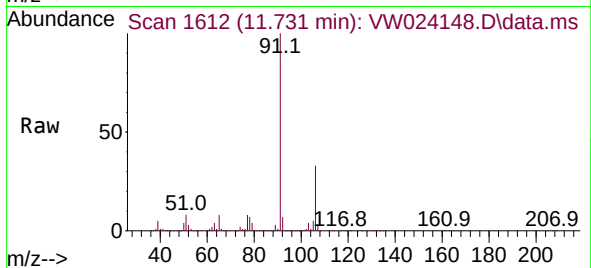
VSTD050404

Tgt Ion: 91 Resp: 1320698

Ion Ratio Lower Upper

91 100

106 32.7 20.7 38.5



#53

m,p-Xylene

Concen: 52.873 ug/L

RT: 11.835 min Scan# 1629

Delta R.T. 0.000 min

Lab File: VW024148.D

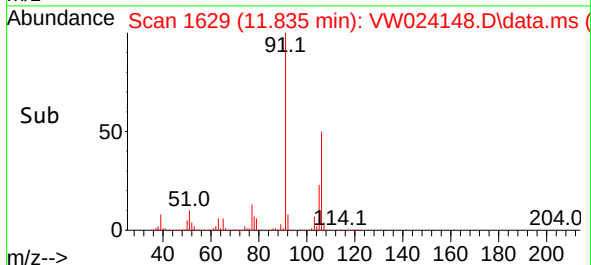
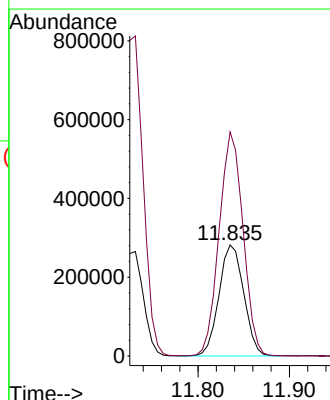
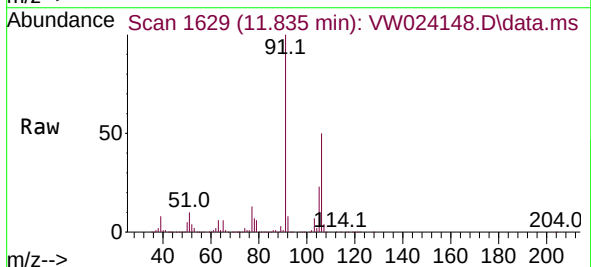
Acq: 03 Aug 2022 10:26

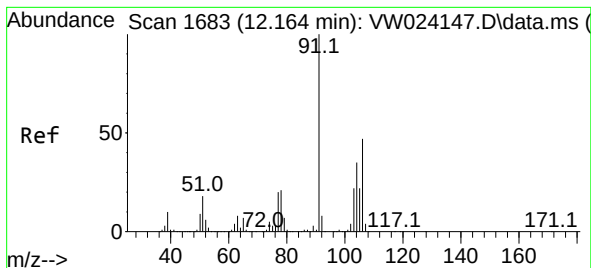
Tgt Ion:106 Resp: 530474

Ion Ratio Lower Upper

106 100

91 201.6 139.0 258.2





#54

o-Xylene

Concen: 53.344 ug/L

RT: 12.164 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW024148.D

Acq: 03 Aug 2022 10:26

Instrument :

MSVOA_W

ClientSampleId :

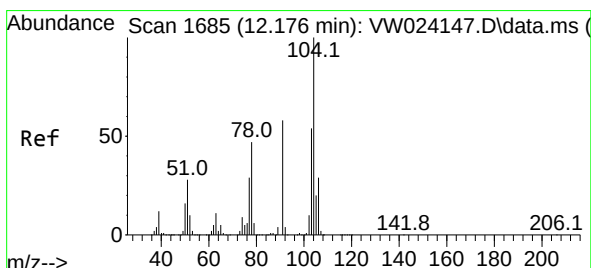
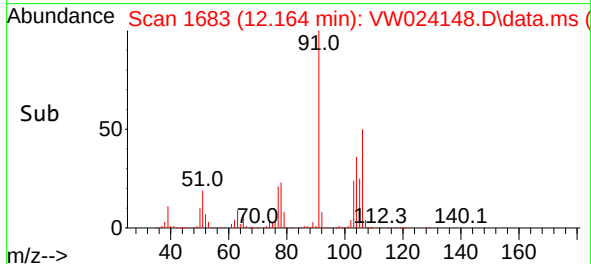
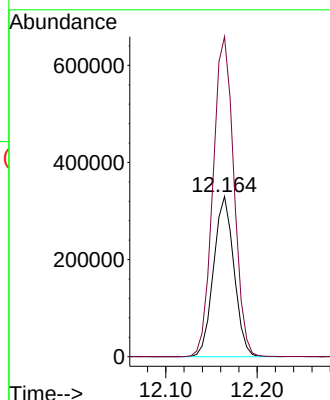
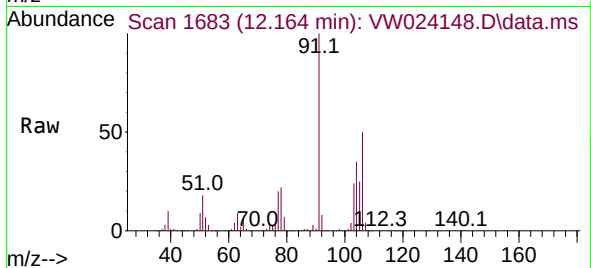
VSTD050404

Tgt Ion:106 Resp: 511754

Ion Ratio Lower Upper

106 100

91 199.8 148.7 276.3



#55

Styrene

Concen: 53.071 ug/L

RT: 12.176 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VW024148.D

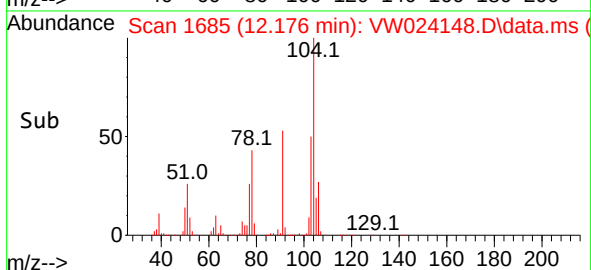
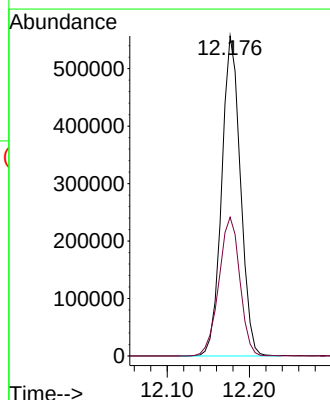
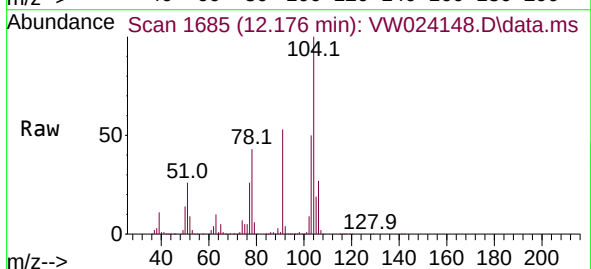
Acq: 03 Aug 2022 10:26

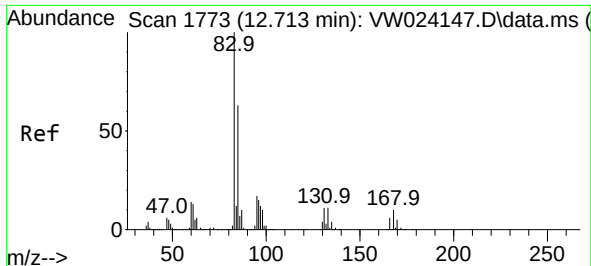
Tgt Ion:104 Resp: 883795

Ion Ratio Lower Upper

104 100

78 43.3 33.1 61.5





#57

1,1,2,2-Tetrachloroethane

Concen: 47.459 ug/L

RT: 12.713 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW024148.D

Acq: 03 Aug 2022 10:26

Instrument :

MSVOA_W

ClientSampleId :

VSTD050404

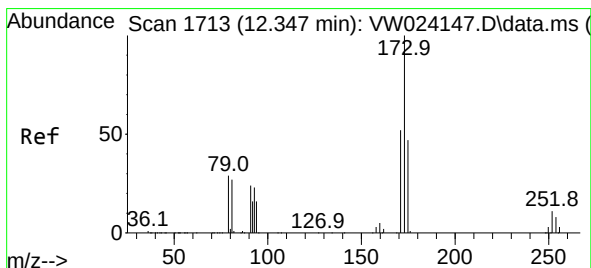
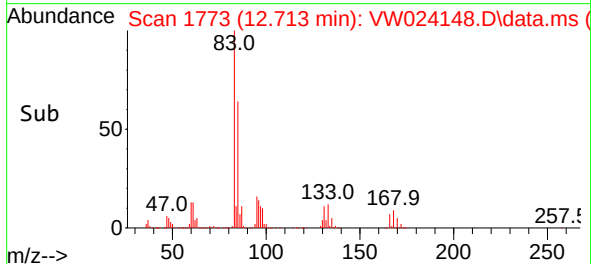
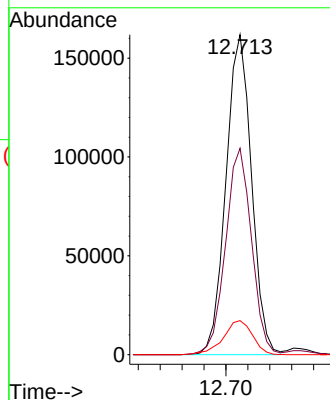
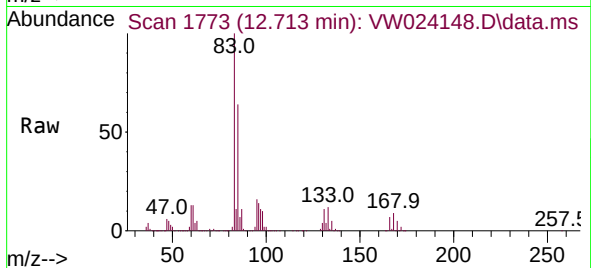
Tgt Ion: 83 Resp: 262312

Ion Ratio Lower Upper

83 100

85 64.5 44.0 81.8

131 10.7 8.6 12.8



#59

Bromoform

Concen: 48.602 ug/L

RT: 12.347 min Scan# 1713

Delta R.T. 0.000 min

Lab File: VW024148.D

Acq: 03 Aug 2022 10:26

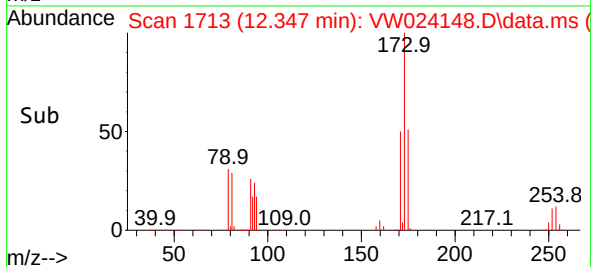
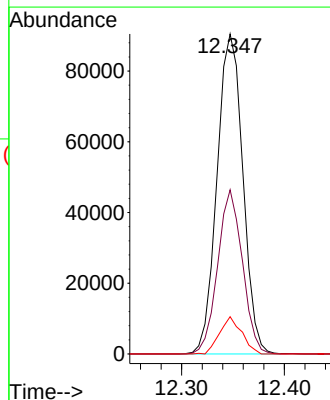
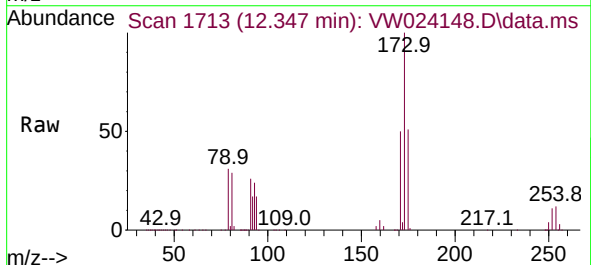
Tgt Ion:173 Resp: 157803

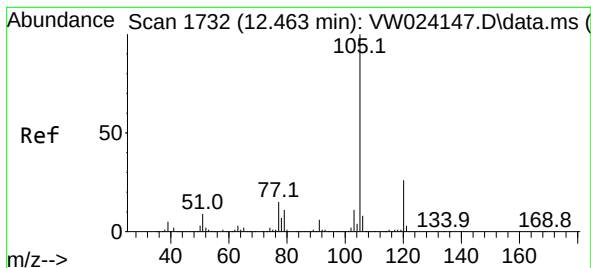
Ion Ratio Lower Upper

173 100

175 49.1 39.0 58.4

254 9.9 7.2 10.8





#60

Isopropylbenzene

Concen: 51.914 ug/L

RT: 12.463 min Scan# 1732

Delta R.T. 0.000 min

Lab File: VW024148.D

Acq: 03 Aug 2022 10:26

Instrument :

MSVOA_W

ClientSampleId :

VSTD050404

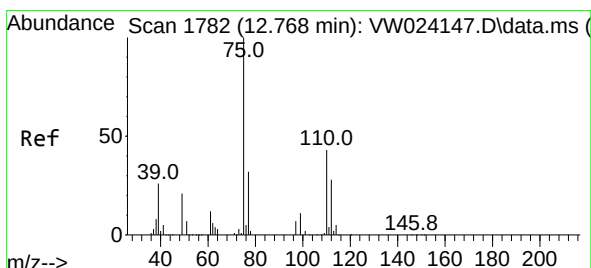
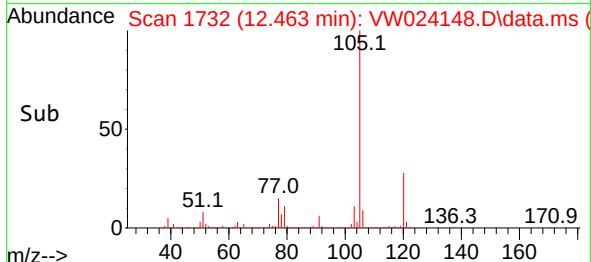
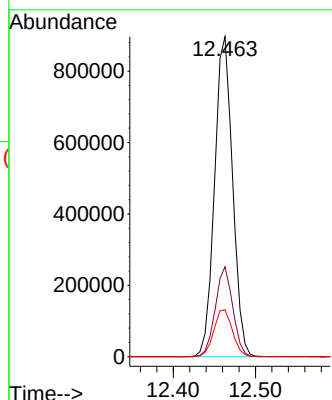
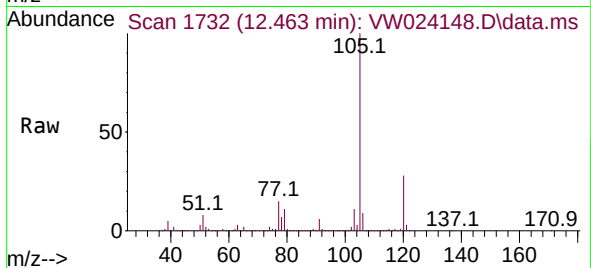
Tgt Ion:105 Resp: 1364567

Ion Ratio Lower Upper

105 100

120 27.2 21.2 31.8

77 15.2 12.2 18.4



#61

1,2,3-Trichloropropane

Concen: 45.092 ug/L

RT: 12.768 min Scan# 1782

Delta R.T. 0.000 min

Lab File: VW024148.D

Acq: 03 Aug 2022 10:26

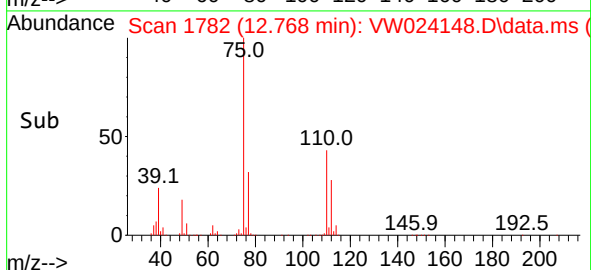
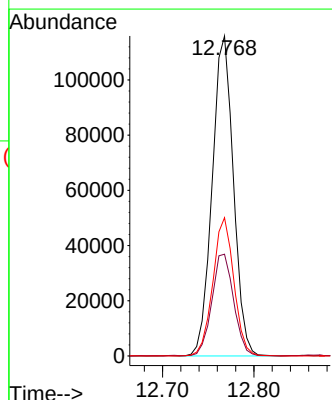
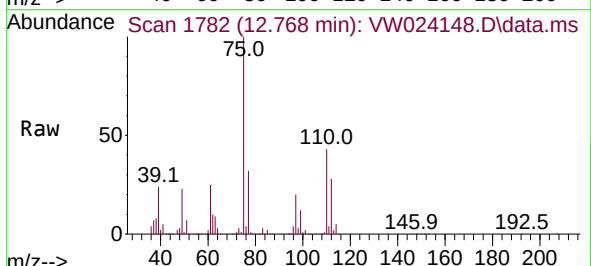
Tgt Ion: 75 Resp: 187181

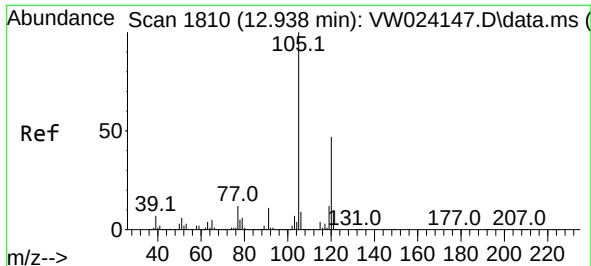
Ion Ratio Lower Upper

75 100

77 32.6 25.7 38.5

110 42.7 34.7 52.1

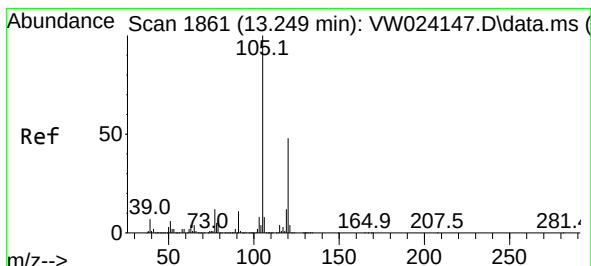
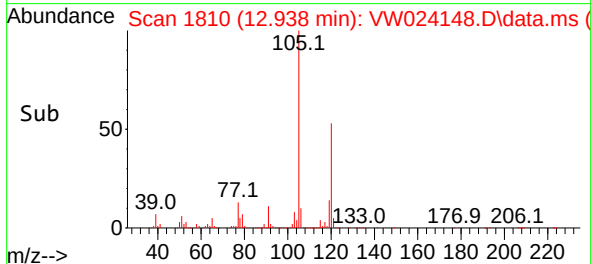
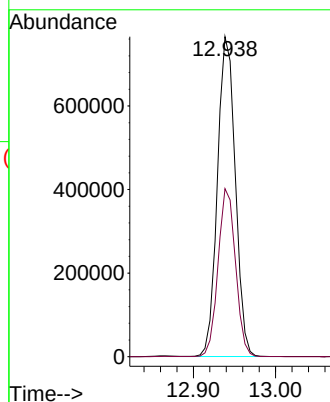
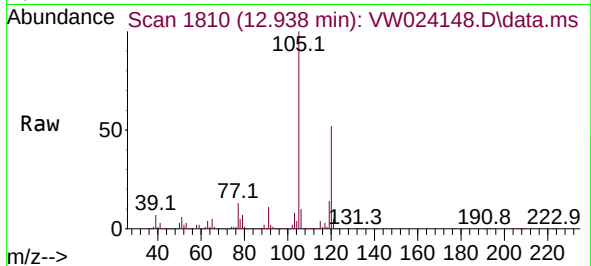




#62
1,3,5-Trimethylbenzene
Concen: 53.838 ug/L
RT: 12.938 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VW024148.D
Acq: 03 Aug 2022 10:26

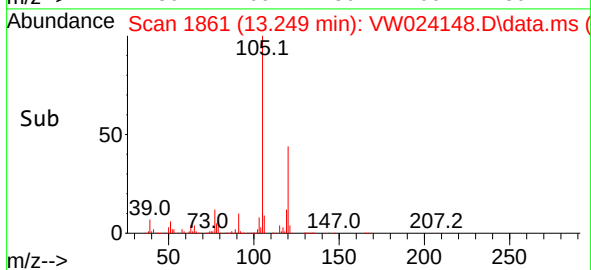
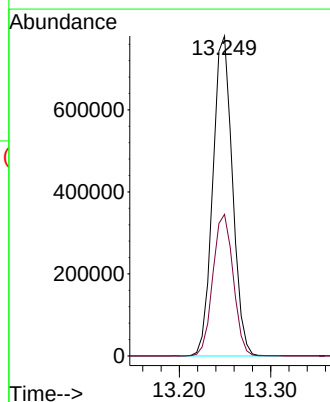
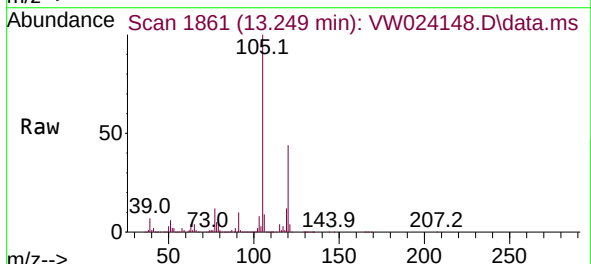
Instrument :
MSVOA_W
ClientSampleId :
VSTD050404

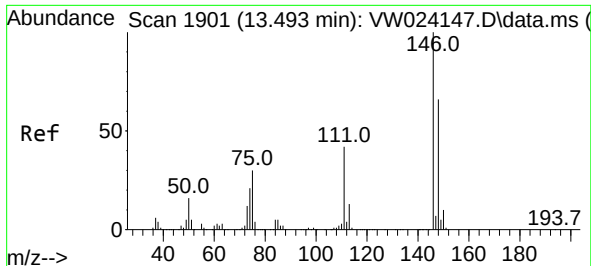
Tgt Ion:105 Resp: 1158780
Ion Ratio Lower Upper
105 100
120 51.1 39.6 59.4



#63
1,2,4-Trimethylbenzene
Concen: 54.754 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW024148.D
Acq: 03 Aug 2022 10:26

Tgt Ion:105 Resp: 1162460
Ion Ratio Lower Upper
105 100
120 45.9 38.5 57.7

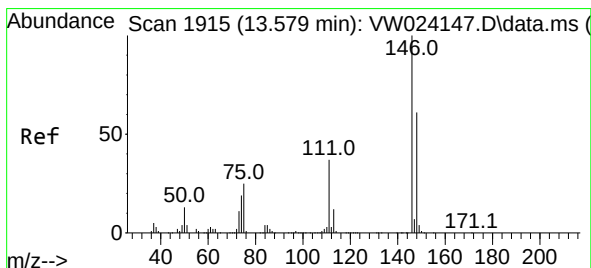
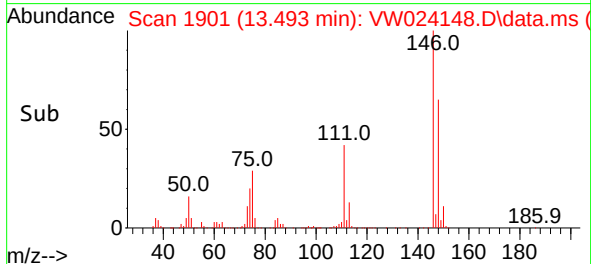
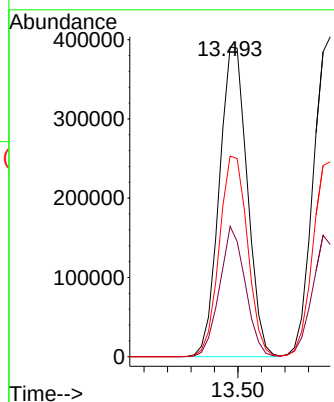
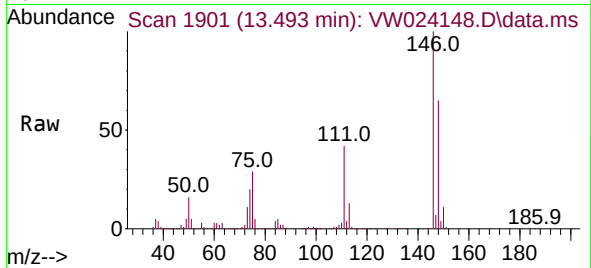




#64
1,3-Dichlorobenzene
Concen: 48.774 ug/L
RT: 13.493 min Scan# 1901
Delta R.T. 0.000 min
Lab File: VW024148.D
Acq: 03 Aug 2022 10:26

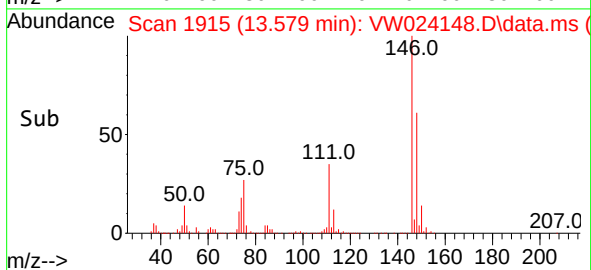
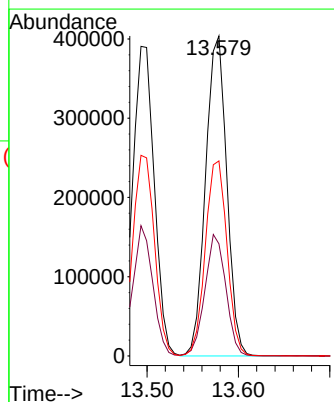
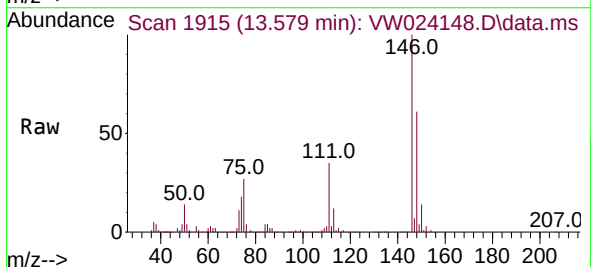
Instrument :
MSVOA_W
ClientSampleId :
VSTD050404

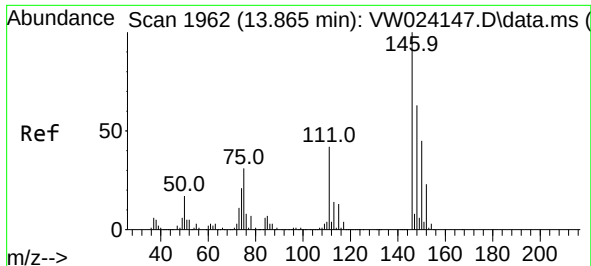
Tgt Ion:146 Resp: 647112
Ion Ratio Lower Upper
146 100
111 42.1 29.3 54.5
148 64.8 46.0 85.4



#65
1,4-Dichlorobenzene
Concen: 47.377 ug/L
RT: 13.579 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VW024148.D
Acq: 03 Aug 2022 10:26

Tgt Ion:146 Resp: 652085
Ion Ratio Lower Upper
146 100
111 35.1 26.2 48.6
148 60.9 43.0 79.8





#67

1,2-Dichlorobenzene

Concen: 48.885 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VW024148.D

Acq: 03 Aug 2022 10:26

Instrument :

MSVOA_W

ClientSampleId :

VSTD050404

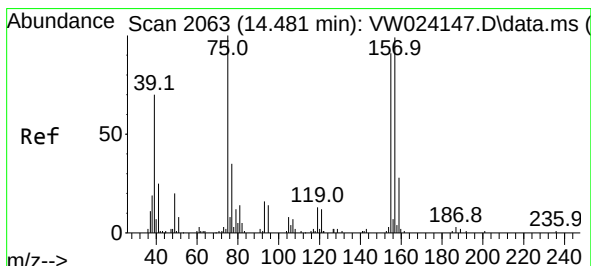
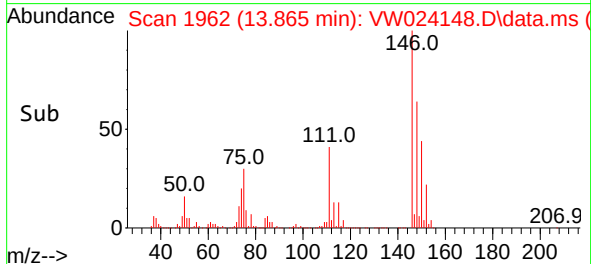
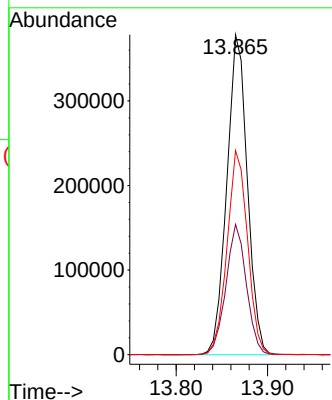
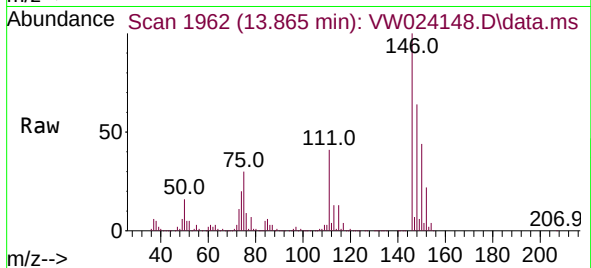
Tgt Ion:146 Resp: 591558

Ion Ratio Lower Upper

146 100

111 40.7 33.7 50.5

148 63.8 50.6 75.8



#68

1,2-Dibromo-3-chloropropane

Concen: 44.727 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VW024148.D

Acq: 03 Aug 2022 10:26

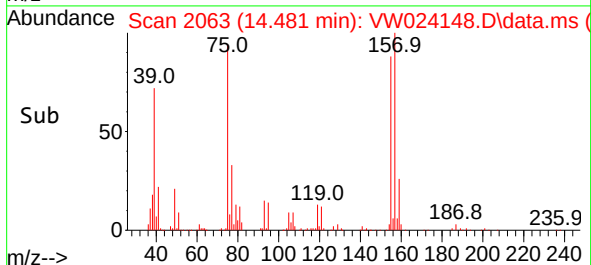
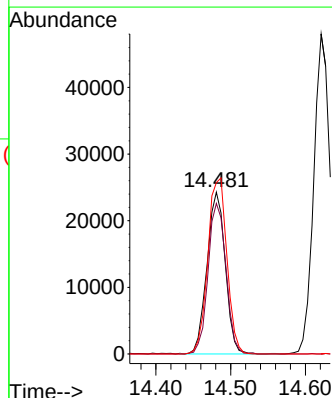
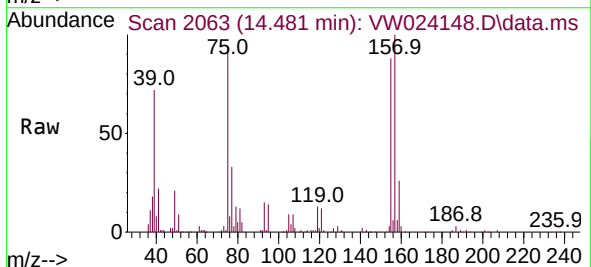
Tgt Ion: 75 Resp: 41199

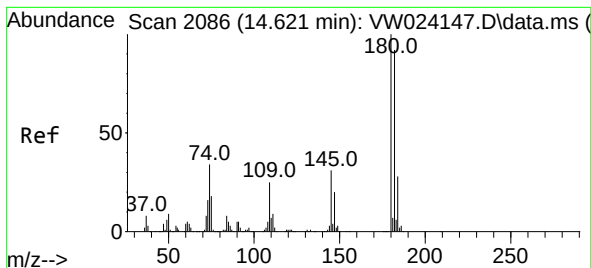
Ion Ratio Lower Upper

75 100

155 93.1 72.6 109.0

157 105.9 79.1 118.7





#69

1,3,5-Trichlorobenzene

Concen: 50.823 ug/L

RT: 14.627 min Scan# 2086

Delta R.T. 0.006 min

Lab File: VW024148.D

Acq: 03 Aug 2022 10:26

Instrument :

MSVOA_W

ClientSampleId :

VSTD050404

Tgt Ion:180 Resp: 447978

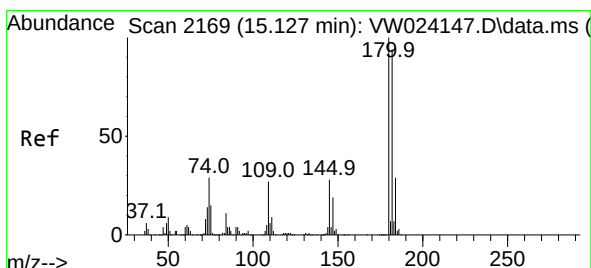
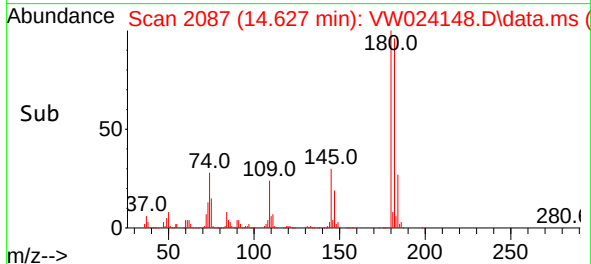
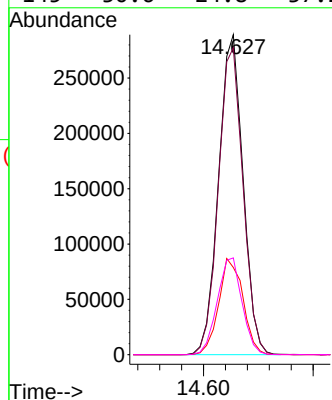
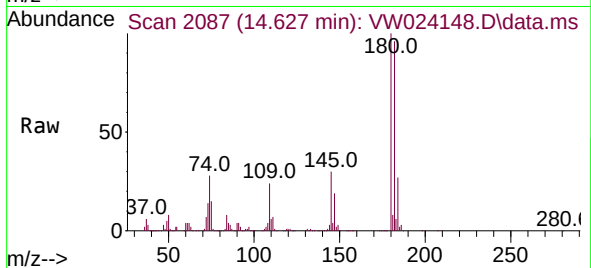
Ion Ratio Lower Upper

180 100

182 96.4 76.5 114.7

184 29.9 23.7 35.5

145 30.6 24.8 37.2



#70

1,2,4-trichlorobenzene

Concen: 53.761 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. 0.000 min

Lab File: VW024148.D

Acq: 03 Aug 2022 10:26

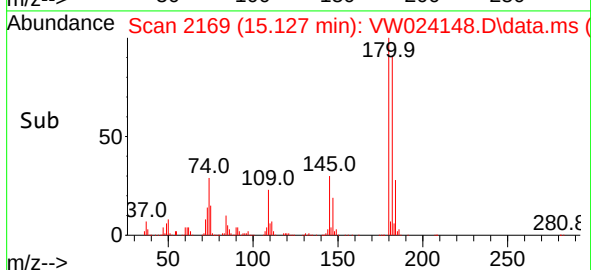
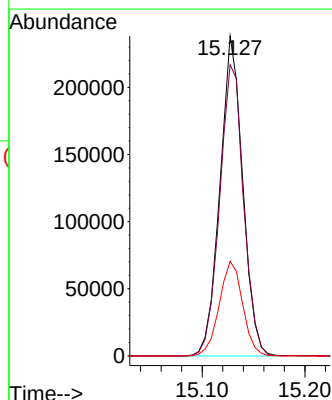
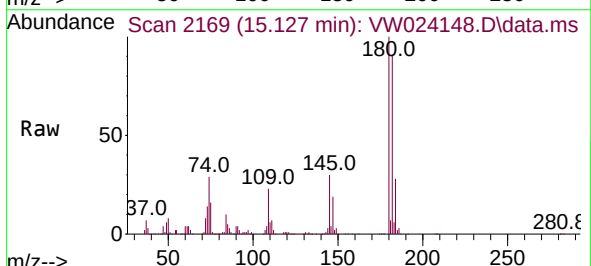
Tgt Ion:180 Resp: 365240

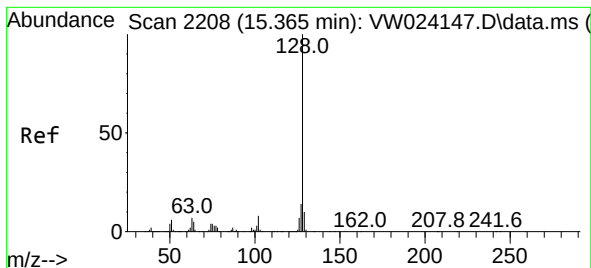
Ion Ratio Lower Upper

180 100

182 95.7 79.0 118.6

145 30.5 24.3 36.5





#71

Naphthalene

Concen: 56.881 ug/L

RT: 15.359 min Scan# 2208

Delta R.T. -0.006 min

Lab File: VW024148.D

Acq: 03 Aug 2022 10:26

Instrument :

MSVOA_W

ClientSampleId :

VSTD050404

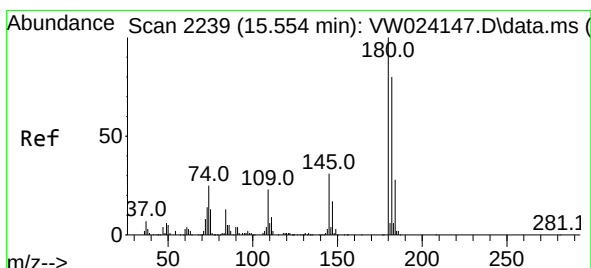
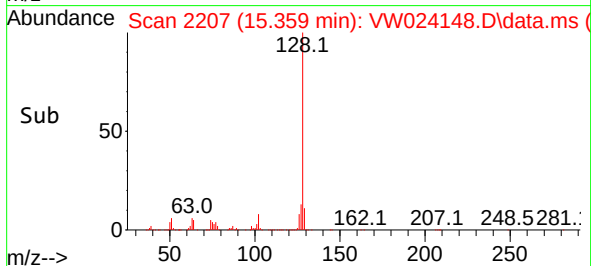
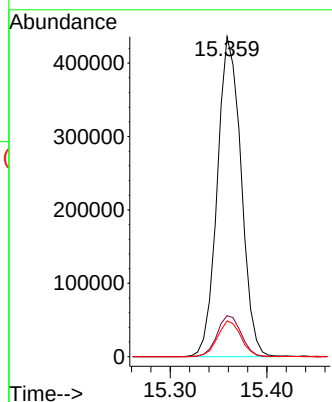
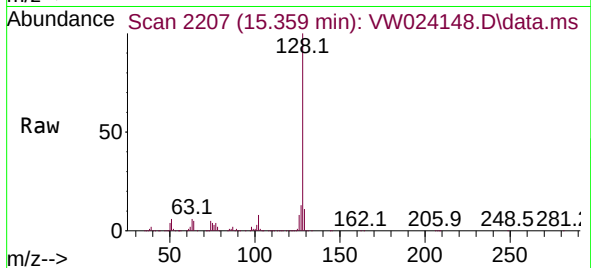
Tgt Ion:128 Resp: 744728

Ion Ratio Lower Upper

128 100

127 13.0 10.7 16.1

129 11.0 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 51.543 ug/L

RT: 15.554 min Scan# 2239

Delta R.T. 0.000 min

Lab File: VW024148.D

Acq: 03 Aug 2022 10:26

Tgt Ion:180 Resp: 321915

Ion Ratio Lower Upper

180 100

182 93.8 73.4 110.2

145 32.8 26.6 40.0

