

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060622\
 Data File : VW023397.D
 Acq On : 06 Jun 2022 10:12
 Operator : SY/VA
 Sample : VSTD05016
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD050416

Quant Time: Jun 06 11:13:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060622SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Jun 06 11:11:18 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	416786	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	400990	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	217150	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	318642	41.683	ug/L	0.00
7) Chloroethane-d5	2.886	69	244191	46.613	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.019	63	483168	43.534	ug/L	0.00
21) 2-Butanone-d5	7.074	46	118801	77.988	ug/L	0.00
24) Chloroform-d	7.647	84	548797	41.193	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.305	65	281441	40.002	ug/L	0.00
32) Benzene-d6	8.275	84	1102616	41.961	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.275	67	306637	40.724	ug/L	0.00
41) Toluene-d8	10.323	98	1073091	42.125	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.579	79	141466	41.997	ug/L	0.00
47) 2-Hexanone-d5	10.921	63	97850	80.946	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.689	84	265739	40.530	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.853	152	387375	41.179	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.008	85	79651	47.897	ug/L	99
3) Chloromethane	2.215	50	243925	46.485	ug/L	100
5) Vinyl chloride	2.361	62	387971	47.808	ug/L	100
6) Bromomethane	2.776	94	210293	54.854	ug/L	98
8) Chloroethane	2.922	64	203075	55.922	ug/L	97
9) Trichlorofluoromethane	3.257	101	192259	50.214	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	4.068	101	267260	48.250	ug/L	96
12) 1,1-Dichloroethene	4.044	96	245960	50.798	ug/L	91
13) Acetone	4.117	43	76128	81.273	ug/L	100
14) Carbon disulfide	4.385	76	798817	49.664	ug/L	100
15) Methyl Acetate	4.678	43	99370	48.374	ug/L	97
16) Methylene chloride	4.916	84	266045	44.175	ug/L	99
17) trans-1,2-Dichloroethene	5.428	96	289485	51.259	ug/L	97
18) Methyl tert-butyl Ether	5.428	73	426126	51.094	ug/L	99
19) 1,1-Dichloroethane	6.220	63	475465	49.702	ug/L	98
20) cis-1,2-Dichloroethene	7.171	96	307300	51.603	ug/L #	98
22) 2-Butanone	7.171	43	127572	90.517	ug/L	98
23) Bromochloromethane	7.513	128	139997	49.524	ug/L	92
25) Chloroform	7.677	83	525333	49.995	ug/L	96
27) 1,2-Dichloroethane	8.403	62	337571	49.589	ug/L	100
29) Cyclohexane	7.958	56	448819	51.712	ug/L	99
30) 1,1,1-Trichloroethane	7.872	97	462271	49.262	ug/L	99
31) Carbon tetrachloride	8.068	117	439345	49.817	ug/L	99
33) Benzene	8.324	78	1149943	49.264	ug/L	100
34) Trichloroethene	9.092	95	314651	49.764	ug/L	98
35) Methylcyclohexane	9.336	83	547822	52.312	ug/L	99
37) 1,2-Dichloropropane	9.366	63	272674	49.791	ug/L	100
38) Bromodichloromethane	9.646	83	389371	50.070	ug/L	97
39) cis-1,3-Dichloropropene	10.073	75	455015	52.261	ug/L	100
40) 4-Methyl-2-pentanone	10.207	43	305755	98.028	ug/L	99
42) Toluene	10.390	91	1360253	52.345	ug/L	98
44) trans-1,3-Dichloropropene	10.604	75	399045	51.398	ug/L	98

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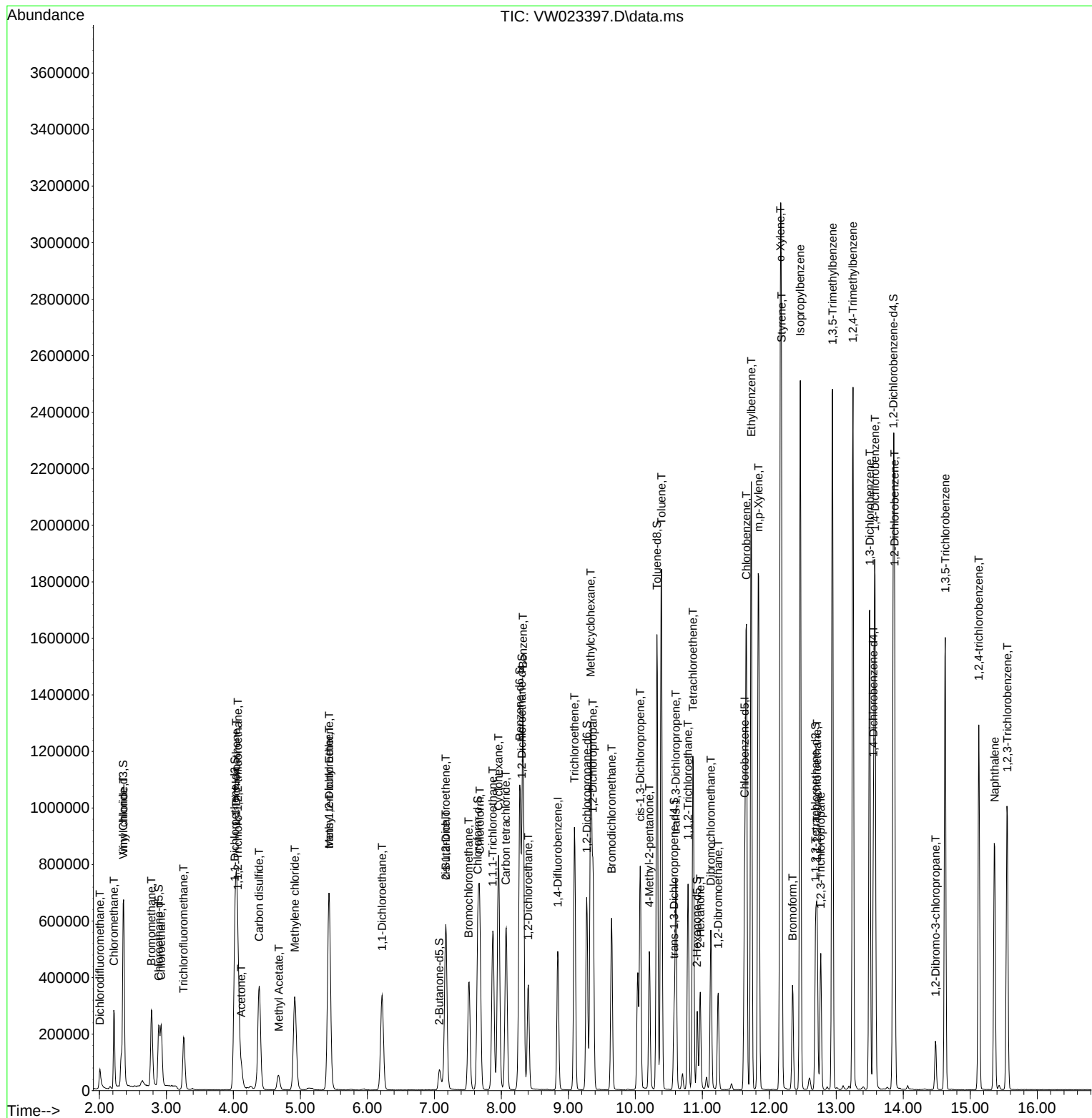
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.787	97	220681	49.056	ug/L	99
46) Tetrachloroethene	10.860	164	256024	50.815	ug/L	87
48) 2-Hexanone	10.969	43	211995	101.787	ug/L	97
49) Dibromochloromethane	11.128	129	282136	51.149	ug/L	100
50) 1,2-Dibromoethane	11.238	107	223494	50.781	ug/L	97
51) Chlorobenzene	11.658	112	891126	51.857	ug/L	100
52) Ethylbenzene	11.731	91	1516179	53.090	ug/L	98
53) m,p-Xylene	11.841	106	611192	54.023	ug/L	99
54) o-Xylene	12.164	106	576446	53.201	ug/L	89
55) Styrene	12.183	104	1014547	55.013	ug/L	92
57) 1,1,2,2-Tetrachloroethane	12.713	83	263563	49.552	ug/L	98
59) Bromoform	12.347	173	158788	49.839	ug/L	99
60) Isopropylbenzene	12.463	105	1591061	52.681	ug/L	99
61) 1,2,3-Trichloropropane	12.768	75	185684	46.920	ug/L	99
62) 1,3,5-Trimethylbenzene	12.945	105	1352386	54.409	ug/L	98
63) 1,2,4-Trimethylbenzene	13.249	105	1339667	65.785	ug/L	99
64) 1,3-Dichlorobenzene	13.499	146	718810	52.440	ug/L	92
65) 1,4-Dichlorobenzene	13.579	146	708749	50.399	ug/L	96
67) 1,2-Dichlorobenzene	13.871	146	633497	50.817	ug/L	92
68) 1,2-Dibromo-3-chloropr...	14.481	75	40635	46.283	ug/L	92
69) 1,3,5-Trichlorobenzene	14.627	180	469617	51.901	ug/L	99
70) 1,2,4-trichlorobenzene	15.127	180	379126	53.075	ug/L	97
71) Naphthalene	15.365	128	769918	56.990	ug/L	100
72) 1,2,3-Trichlorobenzene	15.554	180	330471	52.989	ug/L	98

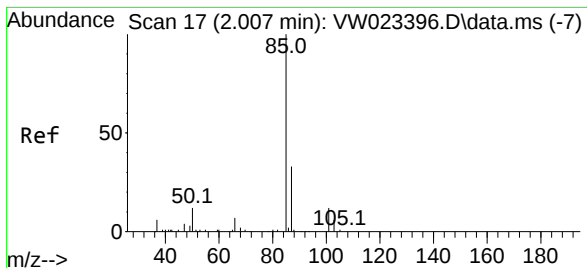
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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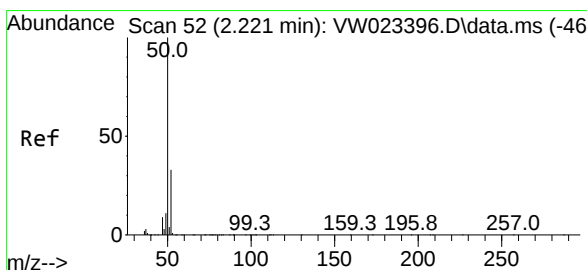
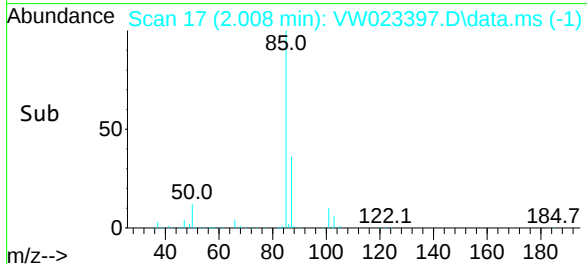
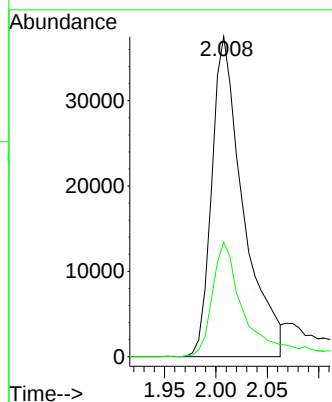
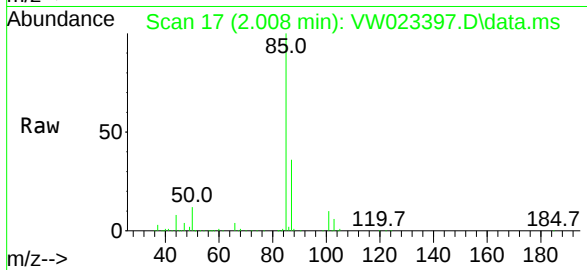




#2
Dichlorodifluoromethane
Concen: 47.897 ug/L
RT: 2.008 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW023397.D
Acq: 06 Jun 2022 10:12

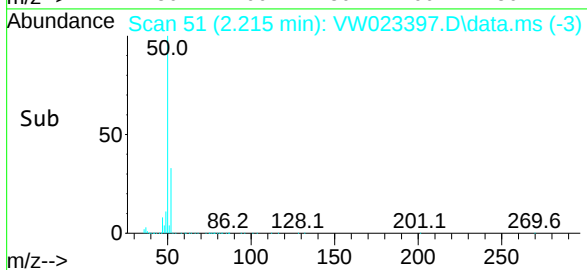
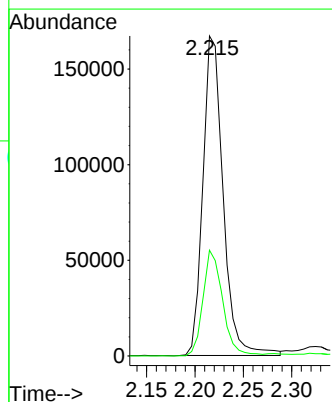
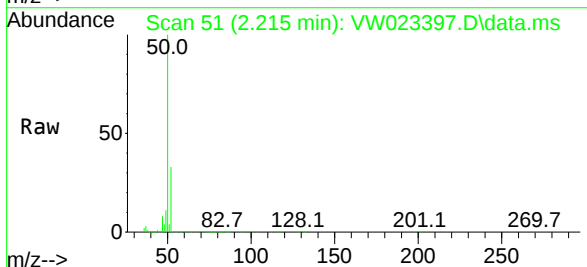
Instrument :
MSVOA_W
ClientSampleId :
VSTD050416

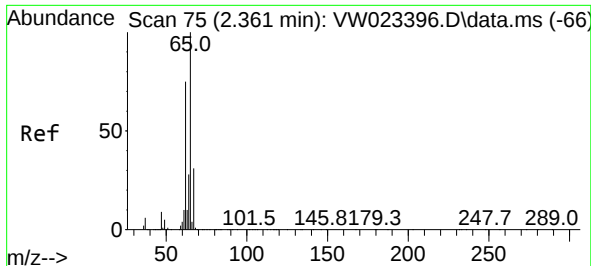
Tgt Ion: 85 Resp: 79651
Ion Ratio Lower Upper
85 100
87 35.3 27.8 41.8



#3
Chloromethane
Concen: 46.485 ug/L
RT: 2.215 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW023397.D
Acq: 06 Jun 2022 10:12

Tgt Ion: 50 Resp: 243925
Ion Ratio Lower Upper
50 100
52 33.0 23.1 42.9

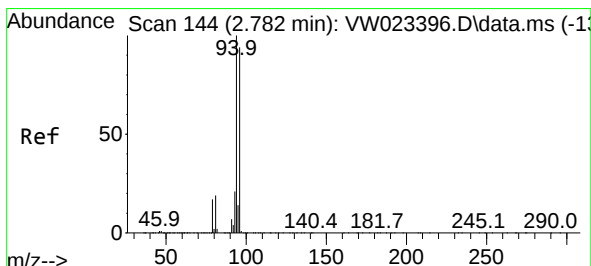
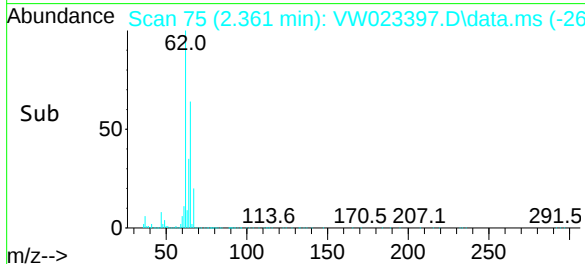
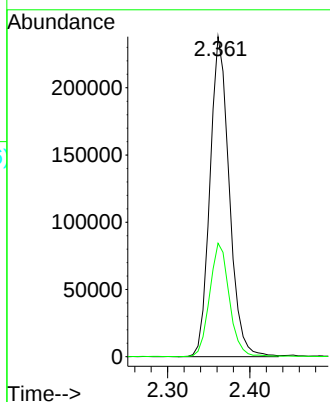
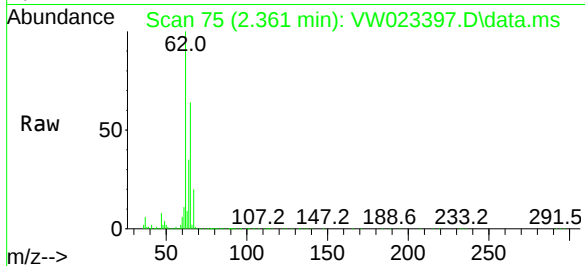




#5
 Vinyl chloride
 Concen: 47.808 ug/L
 RT: 2.361 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VW023397.D
 Acq: 06 Jun 2022 10:12

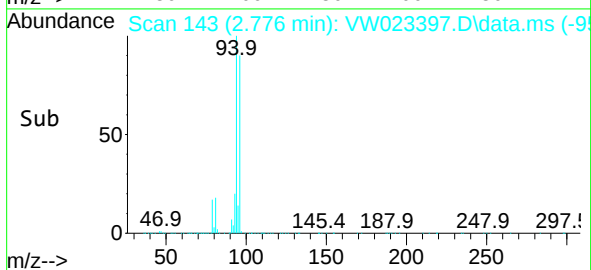
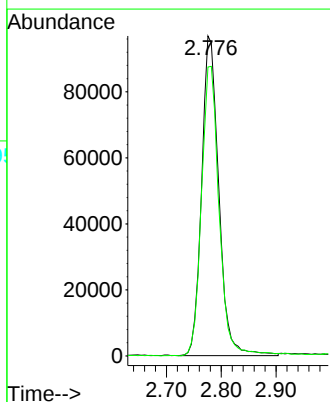
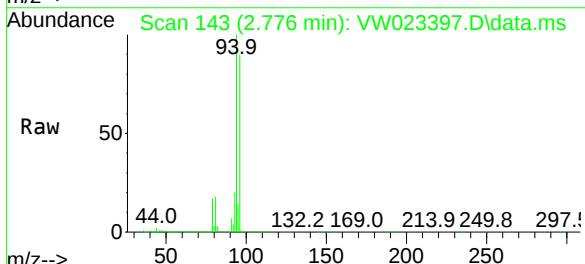
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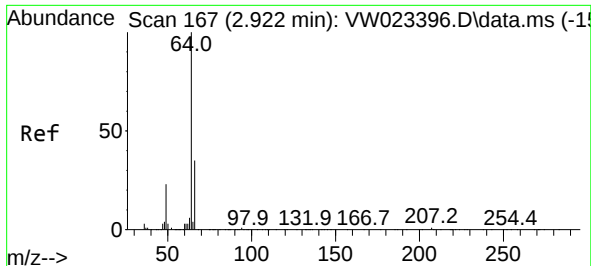
Tgt Ion: 62 Resp: 387971
 Ion Ratio Lower Upper
 62 100
 64 35.5 24.9 46.3



#6
 Bromomethane
 Concen: 54.854 ug/L
 RT: 2.776 min Scan# 143
 Delta R.T. -0.006 min
 Lab File: VW023397.D
 Acq: 06 Jun 2022 10:12

Tgt Ion: 94 Resp: 210293
 Ion Ratio Lower Upper
 94 100
 96 90.3 61.7 114.5

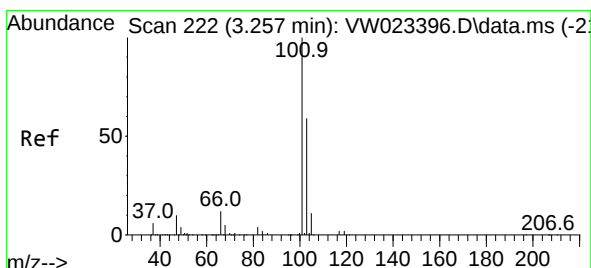
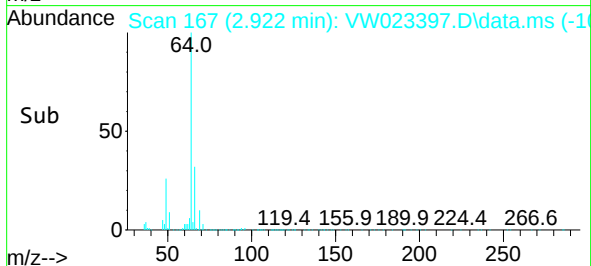
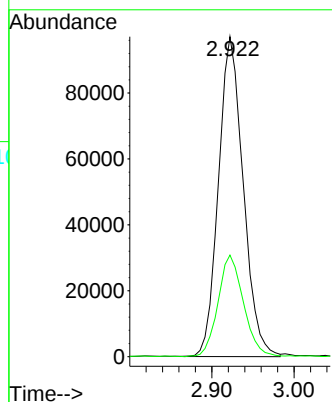
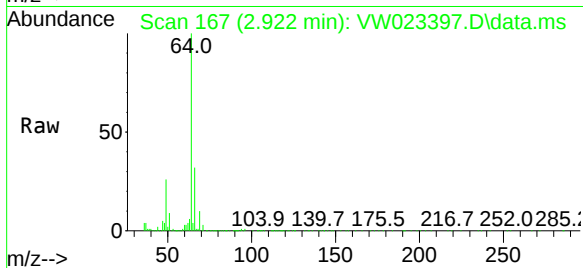




#8
Chloroethane
Concen: 55.922 ug/L
RT: 2.922 min Scan# 167
Delta R.T. 0.000 min
Lab File: VW023397.D
Acq: 06 Jun 2022 10:12

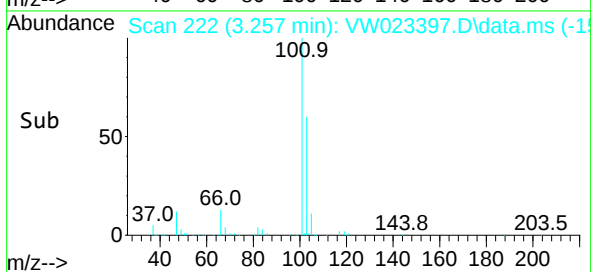
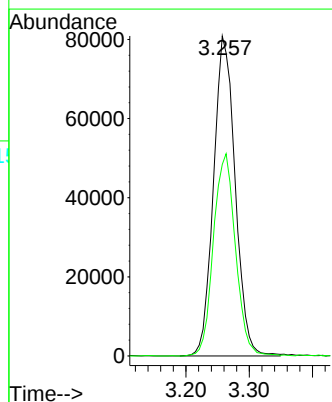
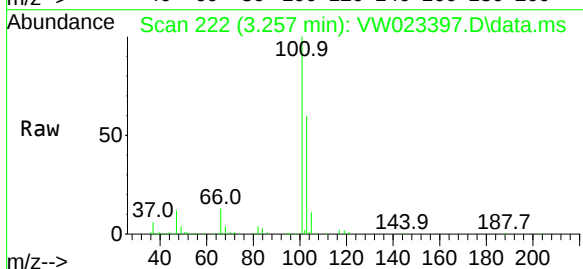
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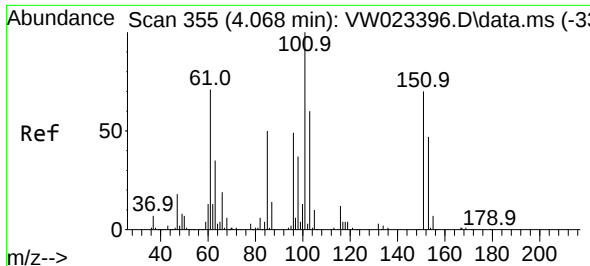
Tgt Ion: 64 Resp: 203075
Ion Ratio Lower Upper
64 100
66 31.8 23.4 43.6



#9
Trichlorofluoromethane
Concen: 50.214 ug/L
RT: 3.257 min Scan# 222
Delta R.T. 0.000 min
Lab File: VW023397.D
Acq: 06 Jun 2022 10:12

Tgt Ion: 101 Resp: 192259
Ion Ratio Lower Upper
101 100
103 64.3 53.9 80.9

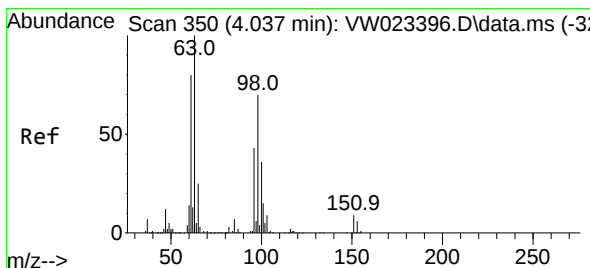
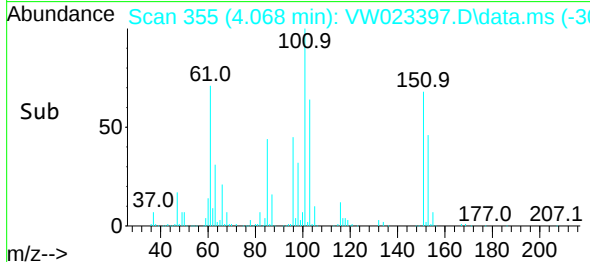
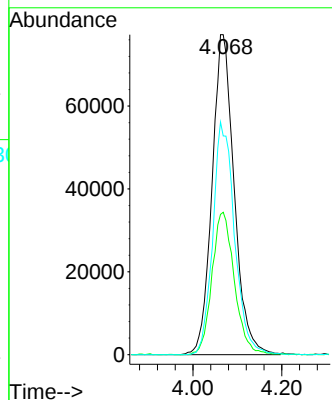
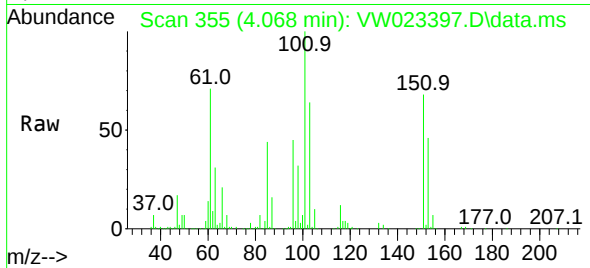




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 48.250 ug/L
 RT: 4.068 min Scan# 310
 Delta R.T. 0.000 min
 Lab File: VW023397.D
 Acq: 06 Jun 2022 10:12

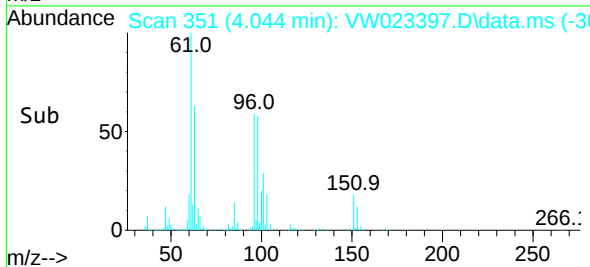
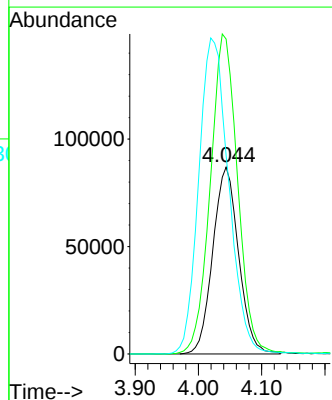
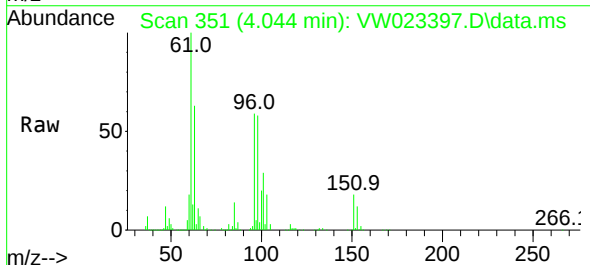
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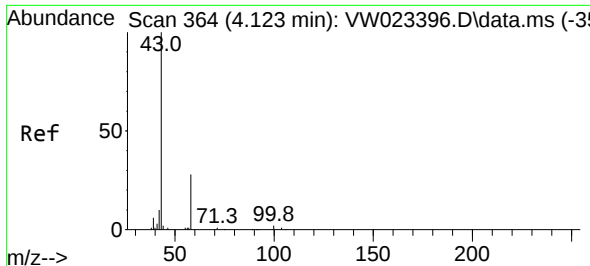
Tgt Ion:101 Resp: 267260
 Ion Ratio Lower Upper
 101 100
 85 44.9 34.3 51.5
 151 71.4 54.2 81.2



#12
 1,1-Dichloroethene
 Concen: 50.798 ug/L
 RT: 4.044 min Scan# 351
 Delta R.T. 0.006 min
 Lab File: VW023397.D
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Tgt Ion: 96 Resp: 245960
 Ion Ratio Lower Upper
 96 100
 61 168.5 125.7 233.5
 63 106.1 83.4 155.0

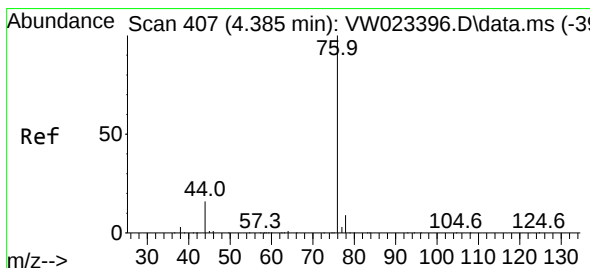
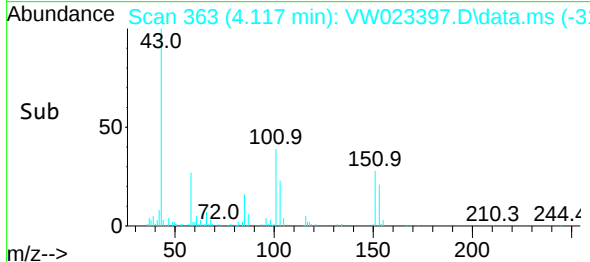
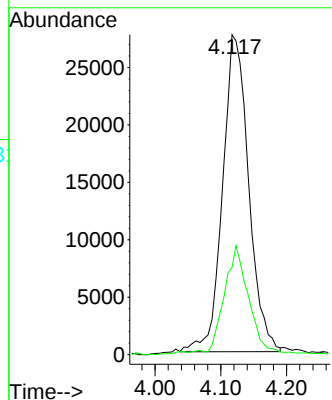
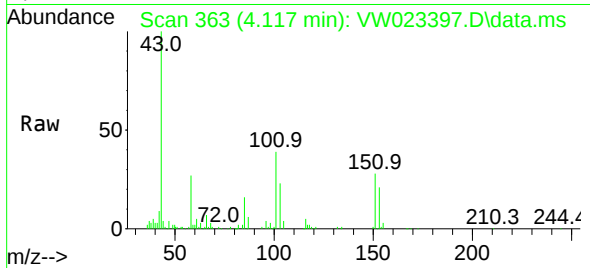




#13
Acetone
Concen: 81.273 ug/L
RT: 4.117 min Scan# 363
Delta R.T. -0.006 min
Lab File: VW023397.D
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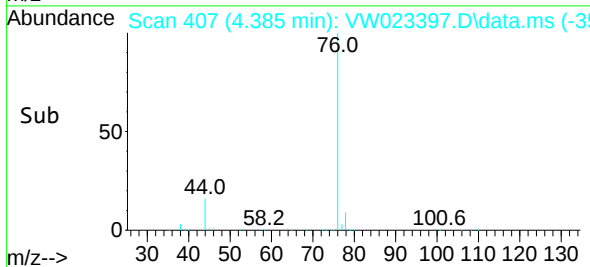
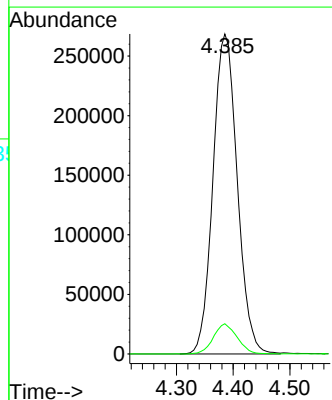
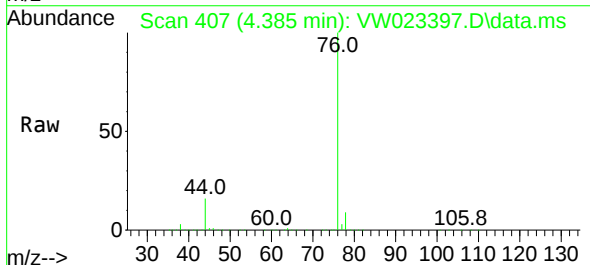
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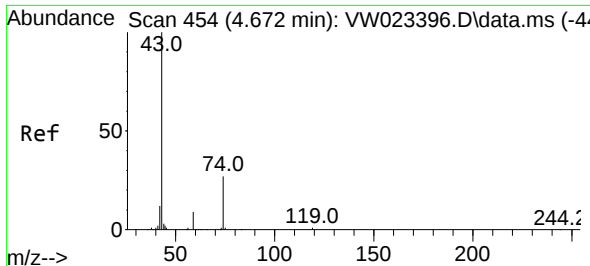
Tgt Ion: 43 Resp: 76128
Ion Ratio Lower Upper
43 100
58 32.0 0.0 64.0



#14
Carbon disulfide
Concen: 49.664 ug/L
RT: 4.385 min Scan# 407
Delta R.T. 0.000 min
Lab File: VW023397.D
Acq: 06 Jun 2022 10:12

Tgt Ion: 76 Resp: 798817
Ion Ratio Lower Upper
76 100
78 9.5 7.7 11.5

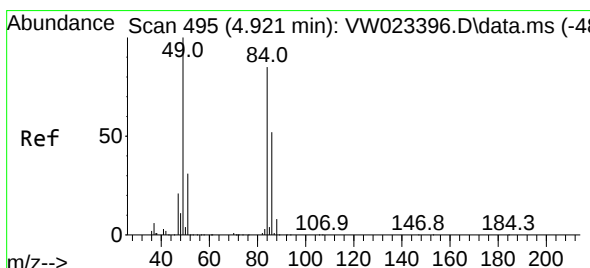
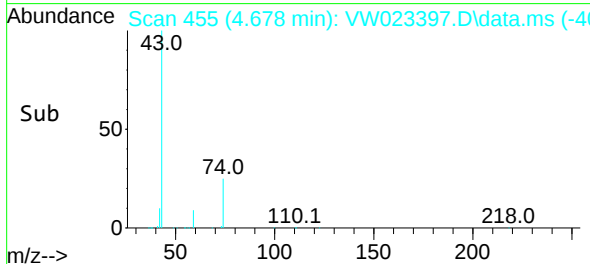
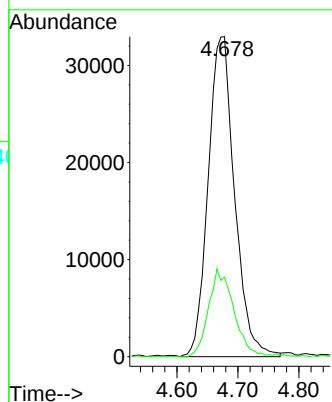
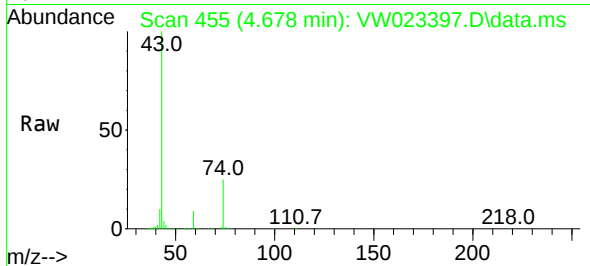




#15
Methyl Acetate
Concen: 48.374 ug/L
RT: 4.678 min Scan# 41
Delta R.T. 0.006 min
Lab File: VW023397.D
Acq: 06 Jun 2022 10:12

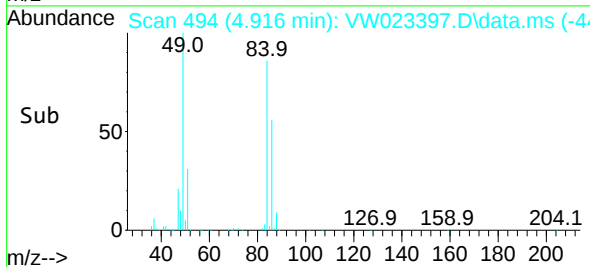
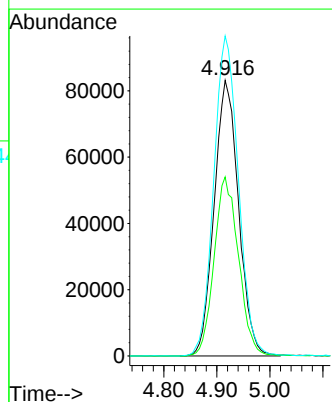
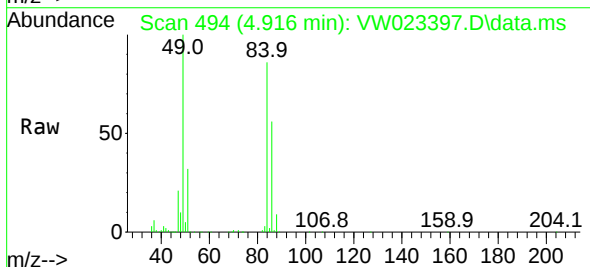
Instrument :
MSVOA_W
ClientSampleId :
VSTD050416

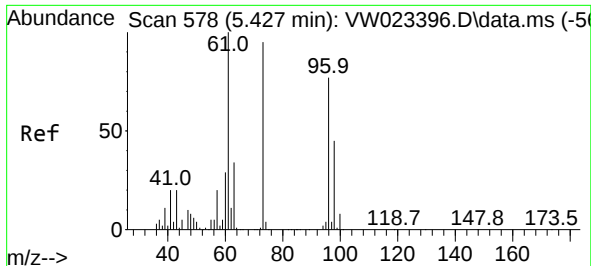
Tgt Ion: 43 Resp: 99370
Ion Ratio Lower Upper
43 100
74 26.0 21.9 32.9



#16
Methylene chloride
Concen: 44.175 ug/L
RT: 4.916 min Scan# 494
Delta R.T. -0.006 min
Lab File: VW023397.D
Acq: 06 Jun 2022 10:12

Tgt Ion: 84 Resp: 266045
Ion Ratio Lower Upper
84 100
86 65.0 45.4 84.4
49 116.1 82.5 153.1

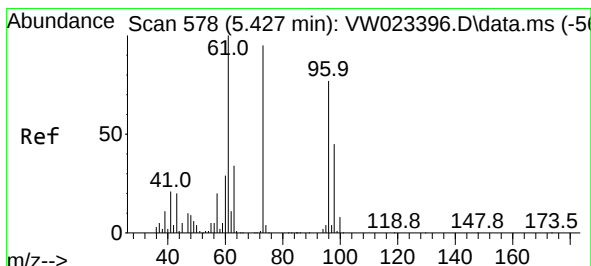
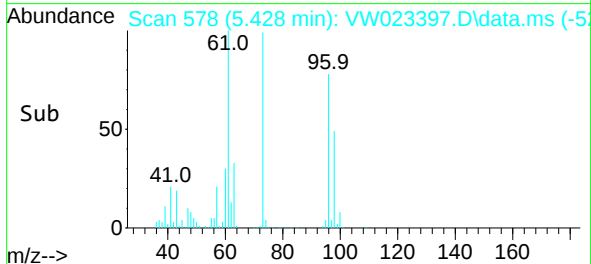
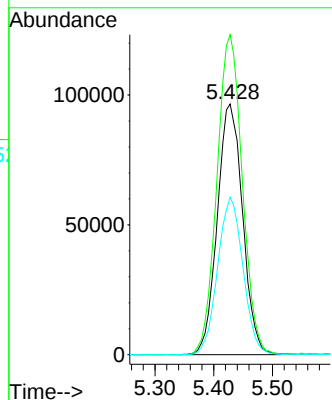
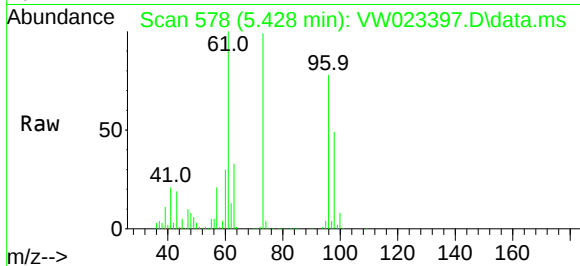




#17
trans-1,2-Dichloroethene
Concen: 51.259 ug/L
RT: 5.428 min Scan# 517
Delta R.T. 0.000 min
Lab File: VW023397.D
Acq: 06 Jun 2022 10:12

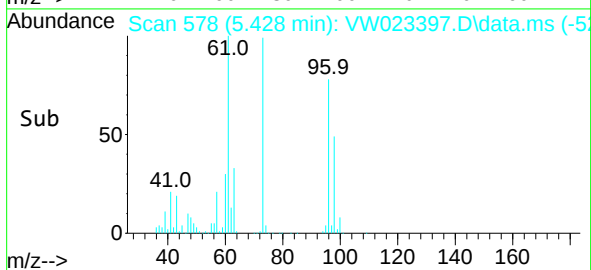
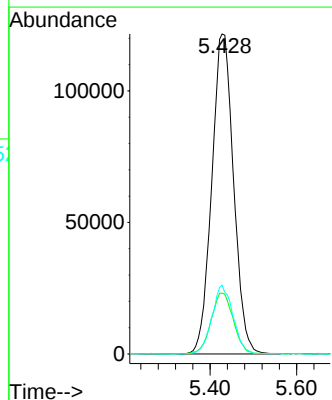
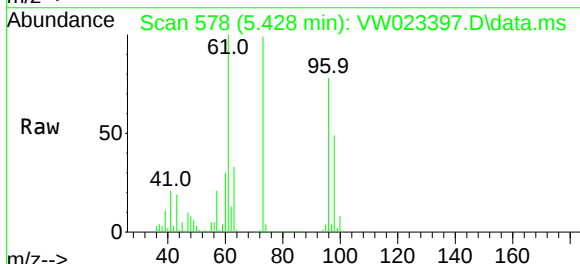
Instrument :
MSVOA_W
ClientSampleId :
VSTD050416

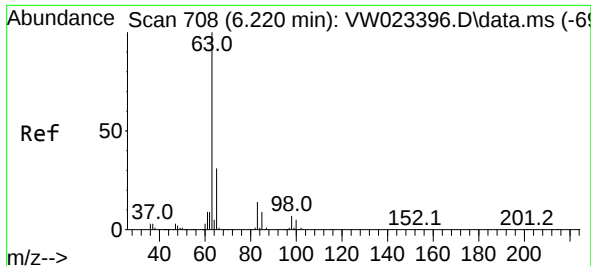
Tgt Ion: 96 Resp: 289485
Ion Ratio Lower Upper
96 100
61 127.7 92.2 171.2
98 62.8 42.9 79.7



#18
Methyl tert-butyl Ether
Concen: 51.094 ug/L
RT: 5.428 min Scan# 578
Delta R.T. 0.000 min
Lab File: VW023397.D
Acq: 06 Jun 2022 10:12

Tgt Ion: 73 Resp: 426126
Ion Ratio Lower Upper
73 100
43 19.3 15.9 23.9
57 20.8 16.5 24.7





#19

1,1-Dichloroethane

Concen: 49.702 ug/L

RT: 6.220 min Scan# 708

Delta R.T. 0.000 min

Lab File: VW023397.D

Acq: 06 Jun 2022 10:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD050416

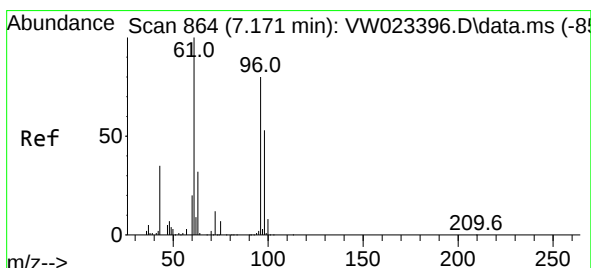
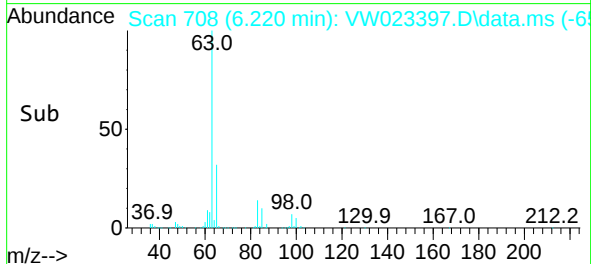
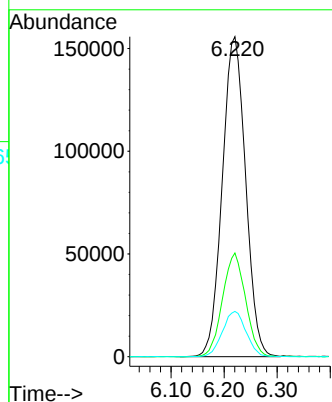
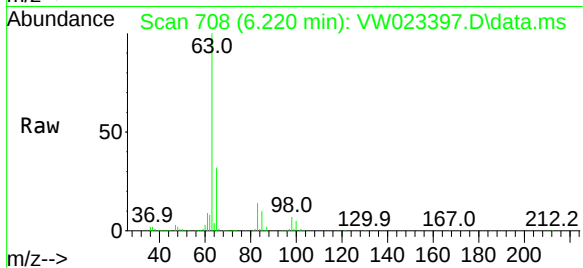
Tgt Ion: 63 Resp: 475465

Ion Ratio Lower Upper

63 100

65 32.4 23.3 43.3

83 14.2 11.1 20.5



#20

cis-1,2-Dichloroethene

Concen: 51.603 ug/L

RT: 7.171 min Scan# 864

Delta R.T. 0.000 min

Lab File: VW023397.D

Acq: 06 Jun 2022 10:12

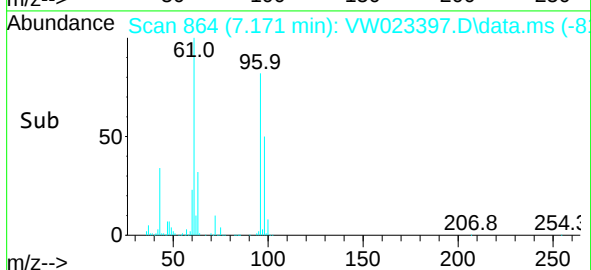
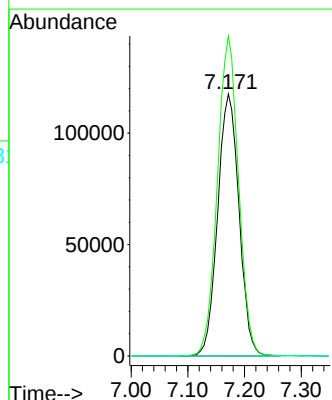
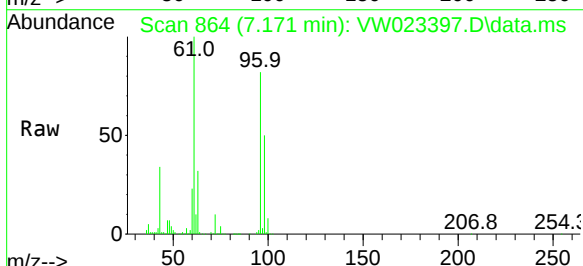
Tgt Ion: 96 Resp: 307300

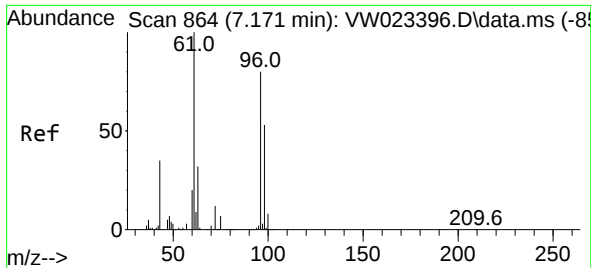
Ion Ratio Lower Upper

96 100

61 122.1 84.2 156.4

68 0.0 0.1 0.1#

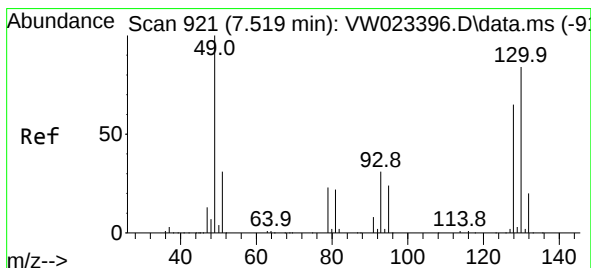
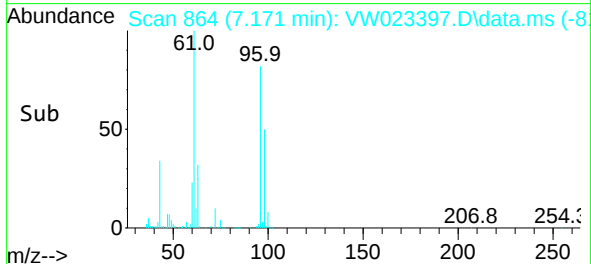
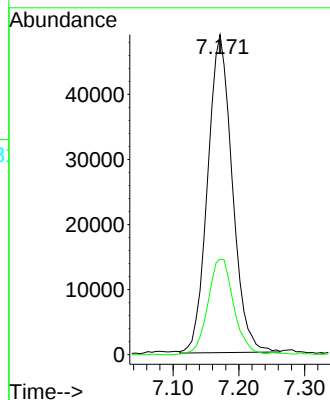
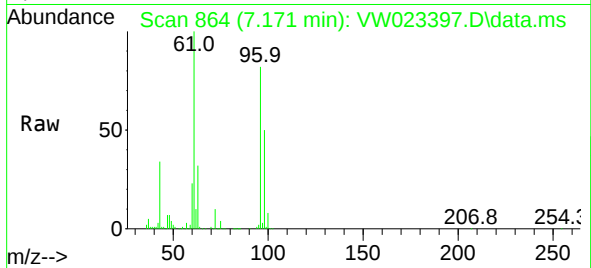




#22
2-Butanone
Concen: 90.517 ug/L
RT: 7.171 min Scan# 864
Delta R.T. 0.000 min
Lab File: VW023397.D
Acq: 06 Jun 2022 10:12

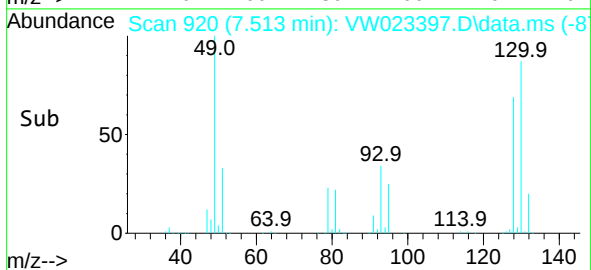
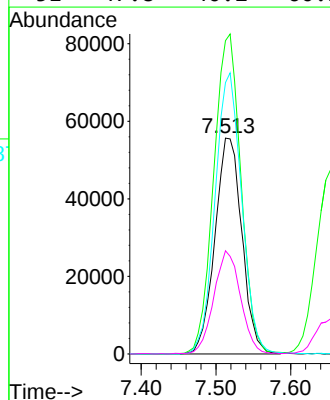
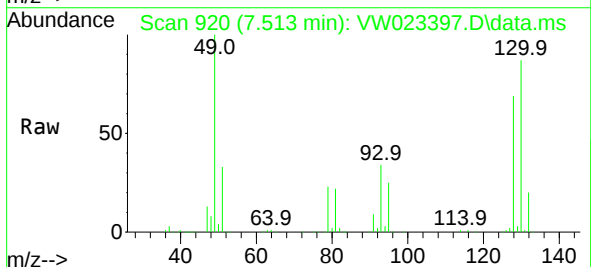
Instrument :
MSVOA_W
ClientSampleId :
VSTD050416

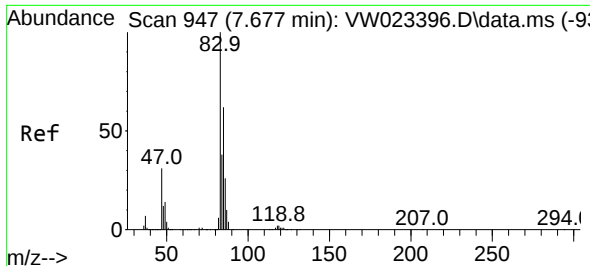
Tgt Ion: 43 Resp: 127572
Ion Ratio Lower Upper
43 100
72 31.4 15.1 45.3



#23
Bromochloromethane
Concen: 49.524 ug/L
RT: 7.513 min Scan# 920
Delta R.T. -0.006 min
Lab File: VW023397.D
Acq: 06 Jun 2022 10:12

Tgt Ion: 128 Resp: 139997
Ion Ratio Lower Upper
128 100
49 145.1 110.0 204.4
130 125.7 94.8 176.0
51 47.8 40.2 60.2

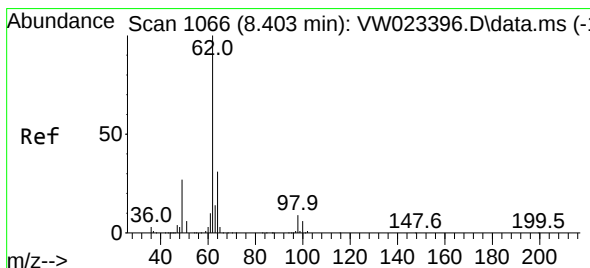
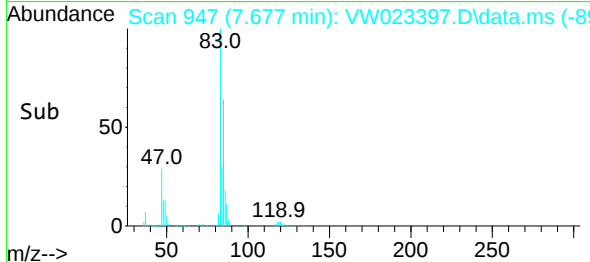
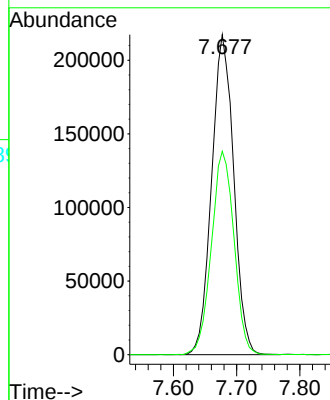
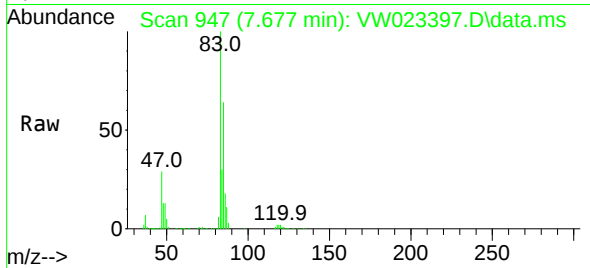




#25
Chloroform
Concen: 49.995 ug/L
RT: 7.677 min Scan# 947
Delta R.T. 0.000 min
Lab File: VW023397.D
Acq: 06 Jun 2022 10:12

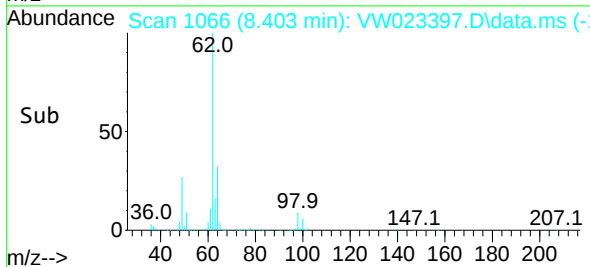
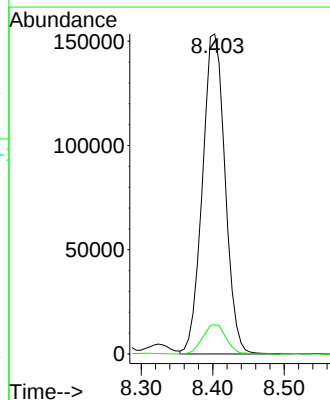
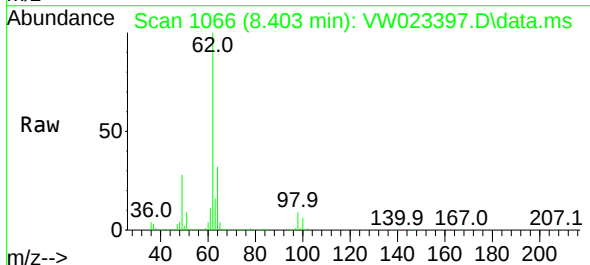
Instrument :
MSVOA_W
ClientSampleId :
VSTD050416

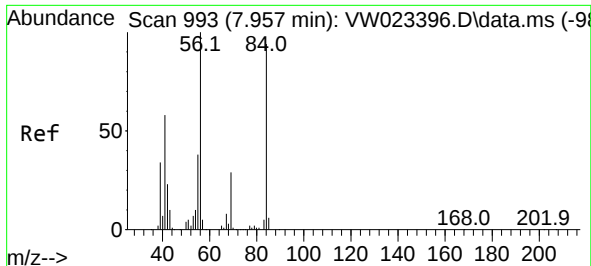
Tgt Ion: 83 Resp: 525333
Ion Ratio Lower Upper
83 100
85 63.6 46.6 86.6



#27
1,2-Dichloroethane
Concen: 49.589 ug/L
RT: 8.403 min Scan# 1066
Delta R.T. 0.000 min
Lab File: VW023397.D
Acq: 06 Jun 2022 10:12

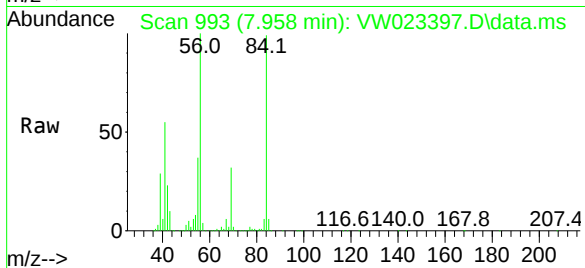
Tgt Ion: 62 Resp: 337571
Ion Ratio Lower Upper
62 100
98 9.1 7.2 10.8



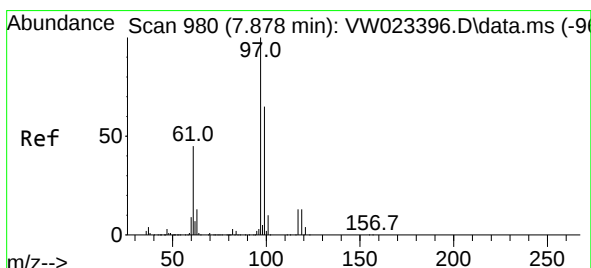
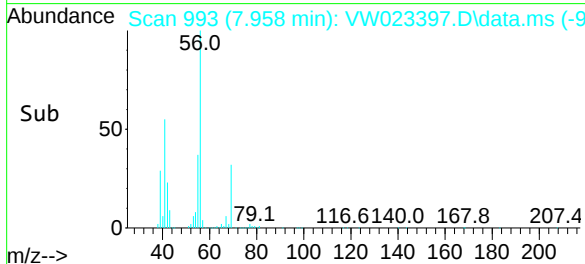
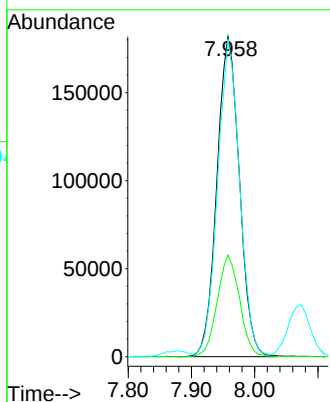


#29
Cyclohexane
Concen: 51.712 ug/L
RT: 7.958 min Scan# 993
Delta R.T. 0.000 min
Lab File: VW023397.D
Acq: 06 Jun 2022 10:12

Instrument :
MSVOA_W
ClientSampleId :
VSTD050416

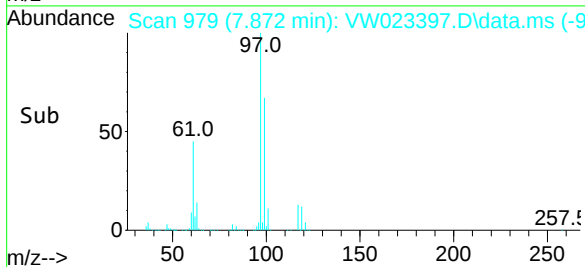
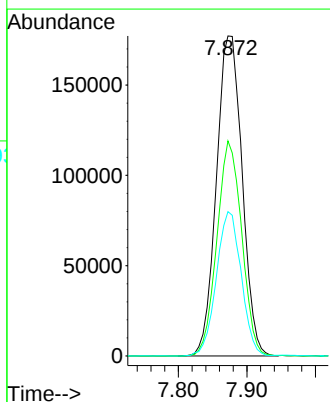
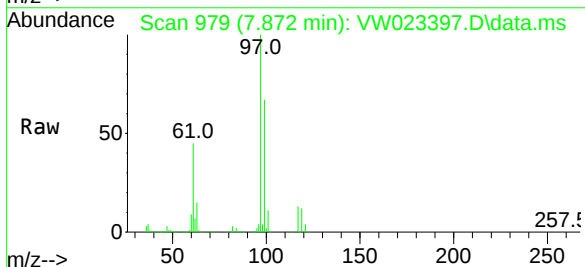


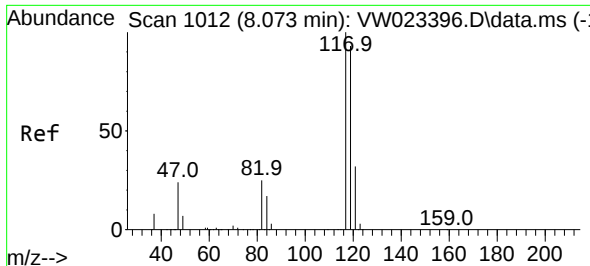
Tgt Ion: 56 Resp: 448819
Ion Ratio Lower Upper
56 100
69 31.5 25.6 38.4
84 96.7 78.2 117.4



#30
1,1,1-Trichloroethane
Concen: 49.262 ug/L
RT: 7.872 min Scan# 979
Delta R.T. -0.006 min
Lab File: VW023397.D
Acq: 06 Jun 2022 10:12

Tgt Ion: 97 Resp: 462271
Ion Ratio Lower Upper
97 100
99 64.6 51.0 76.4
61 43.5 34.8 52.2

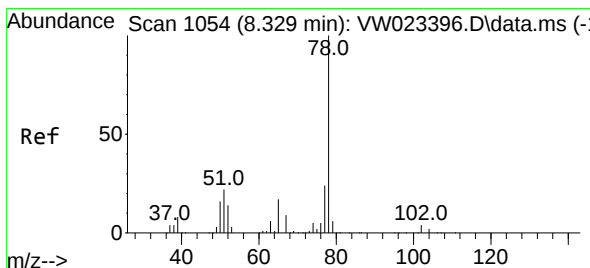
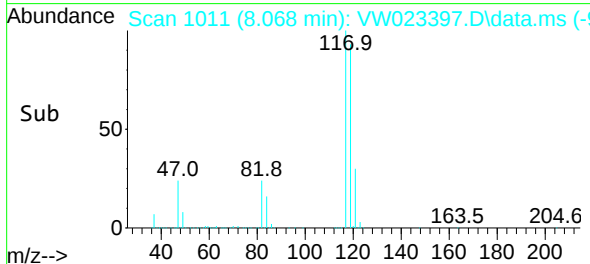
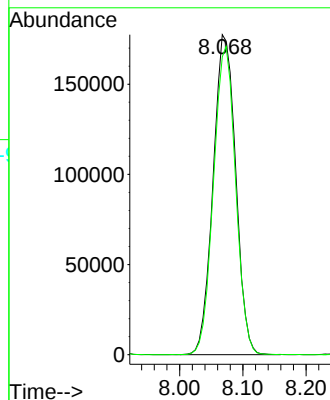
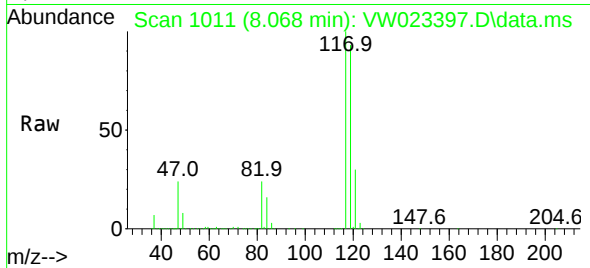




#31
Carbon tetrachloride
Concen: 49.817 ug/L
RT: 8.068 min Scan# 1011
Delta R.T. -0.006 min
Lab File: VW023397.D
Acq: 06 Jun 2022 10:12

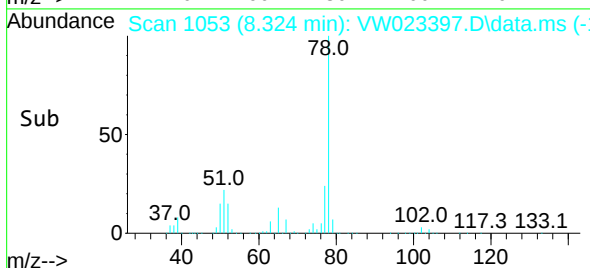
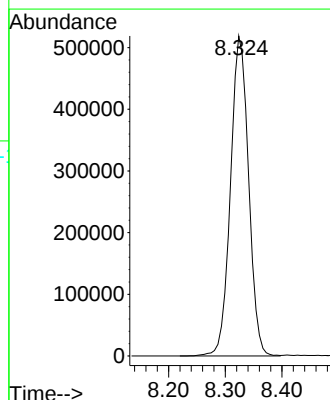
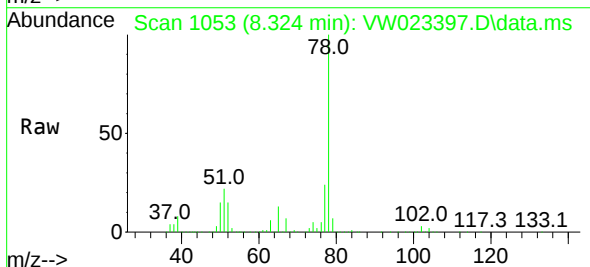
Instrument :
MSVOA_W
ClientSampleId :
VSTD050416

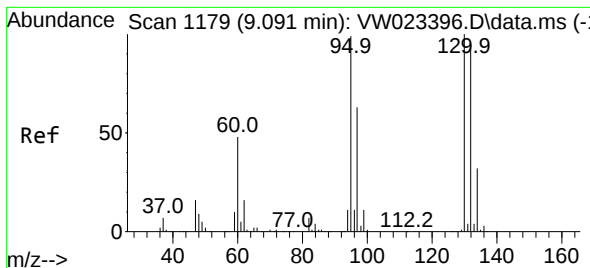
Tgt Ion:117 Resp: 439345
Ion Ratio Lower Upper
117 100
119 94.4 76.6 115.0



#33
Benzene
Concen: 49.264 ug/L
RT: 8.324 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VW023397.D
Acq: 06 Jun 2022 10:12

Tgt Ion: 78 Resp: 1149943





#34

Trichloroethene

Concen: 49.764 ug/L

RT: 9.092 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VW023397.D

Acq: 06 Jun 2022 10:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD050416

Tgt Ion: 95 Resp: 314651

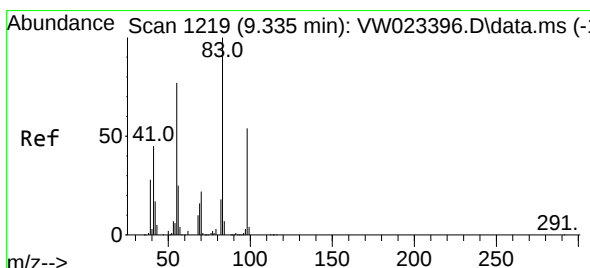
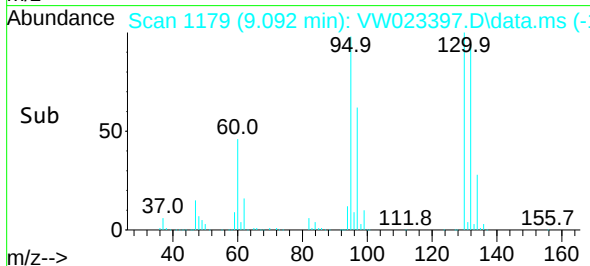
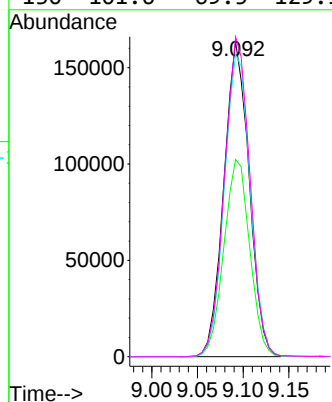
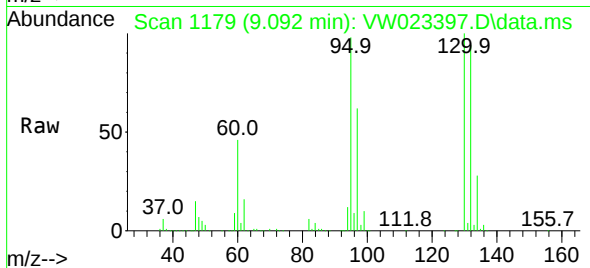
Ion Ratio Lower Upper

95 100

97 62.6 46.1 85.7

132 95.9 66.9 124.3

130 101.6 69.5 129.1



#35

Methylcyclohexane

Concen: 52.312 ug/L

RT: 9.336 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VW023397.D

Acq: 06 Jun 2022 10:12

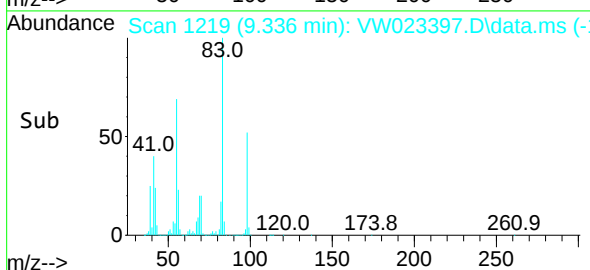
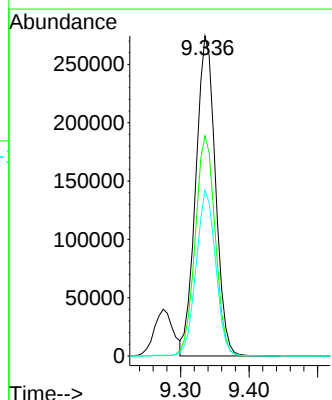
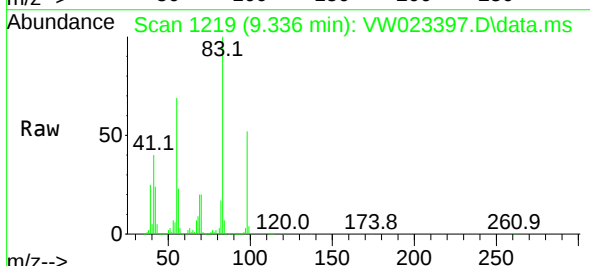
Tgt Ion: 83 Resp: 547822

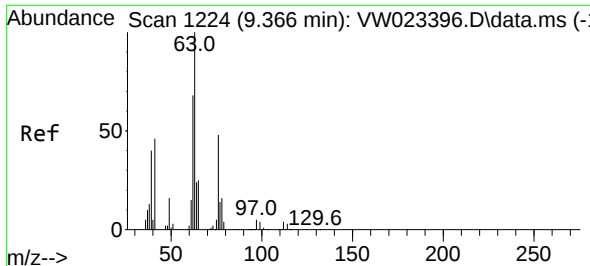
Ion Ratio Lower Upper

83 100

55 69.5 55.1 82.7

98 51.4 40.4 60.6





#37

1,2-Dichloropropane

Concen: 49.791 ug/L

RT: 9.366 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW023397.D

Acq: 06 Jun 2022 10:12

Instrument :

MSVOA_W

ClientSampleId :

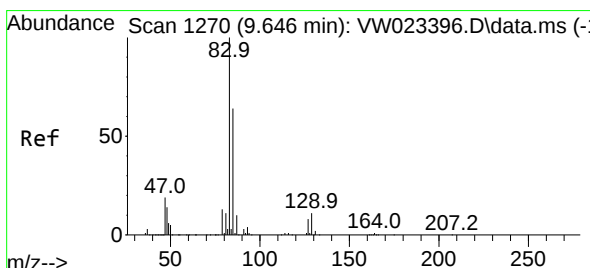
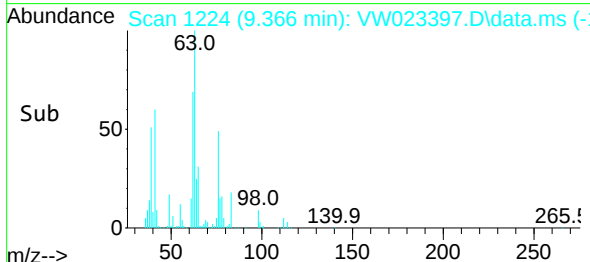
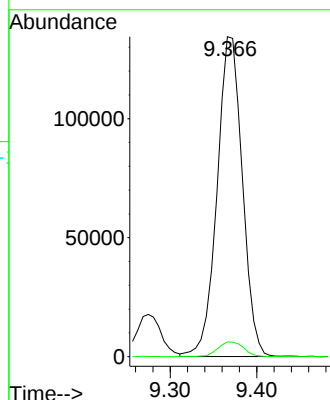
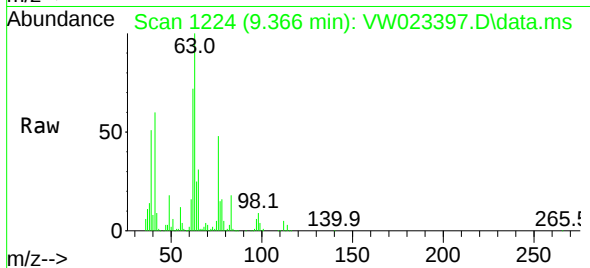
VSTD050416

Tgt Ion: 63 Resp: 272674

Ion Ratio Lower Upper

63 100

112 4.7 3.8 5.8



#38

Bromodichloromethane

Concen: 50.070 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. 0.000 min

Lab File: VW023397.D

Acq: 06 Jun 2022 10:12

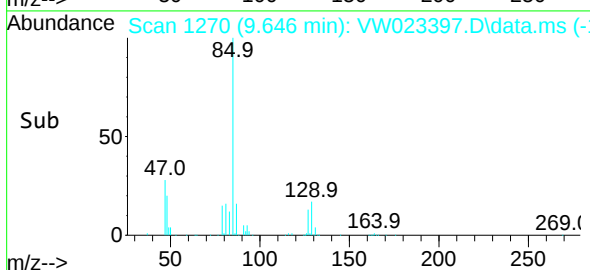
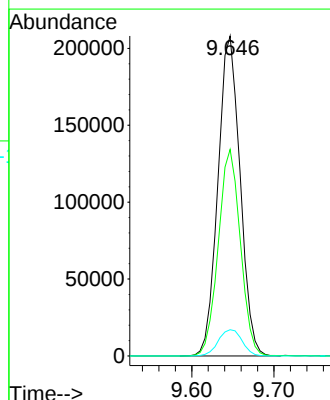
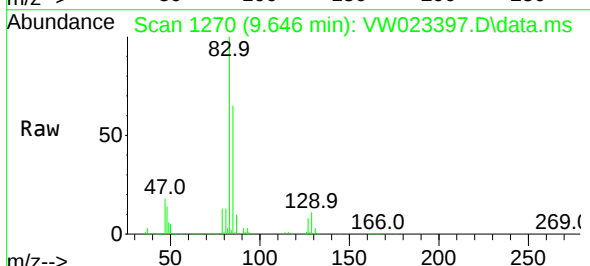
Tgt Ion: 83 Resp: 389371

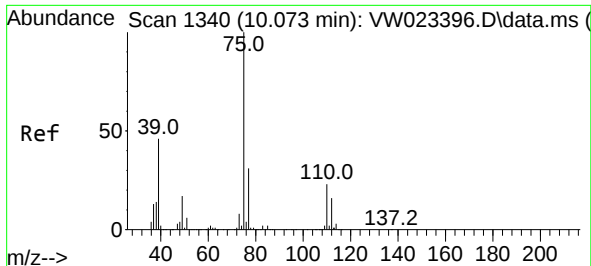
Ion Ratio Lower Upper

83 100

85 64.6 43.5 80.7

127 8.2 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 52.261 ug/L

RT: 10.073 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW023397.D

Acq: 06 Jun 2022 10:12

Instrument :

MSVOA_W

ClientSampleId :

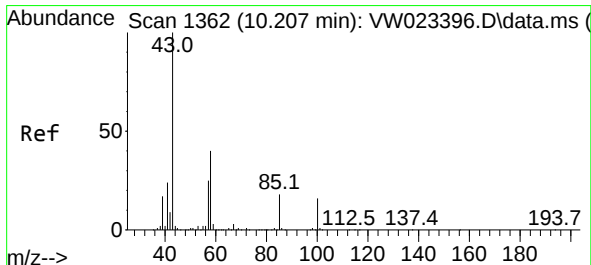
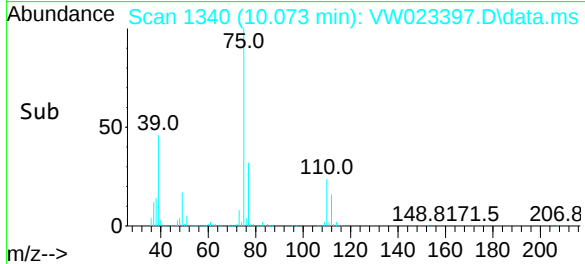
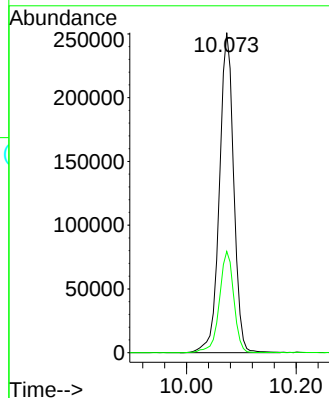
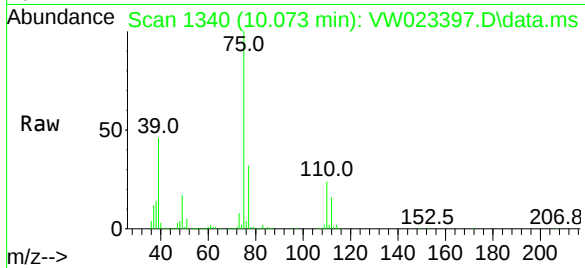
VSTD050416

Tgt Ion: 75 Resp: 455015

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 98.028 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. 0.000 min

Lab File: VW023397.D

Acq: 06 Jun 2022 10:12

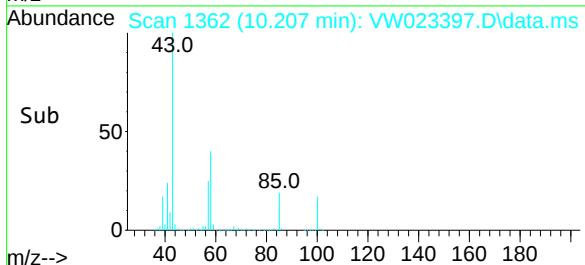
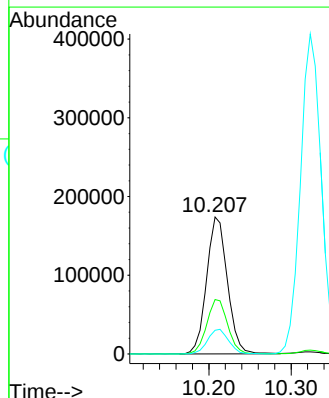
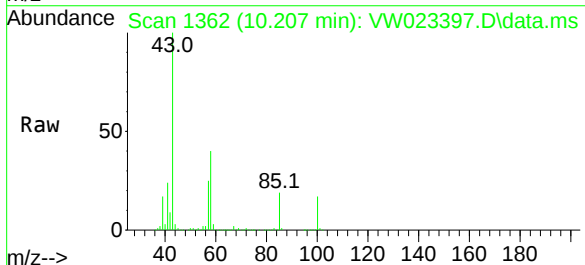
Tgt Ion: 43 Resp: 305755

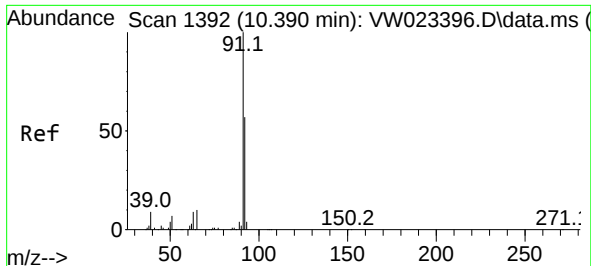
Ion Ratio Lower Upper

43 100

58 40.1 31.4 47.2

100 17.9 14.2 21.4

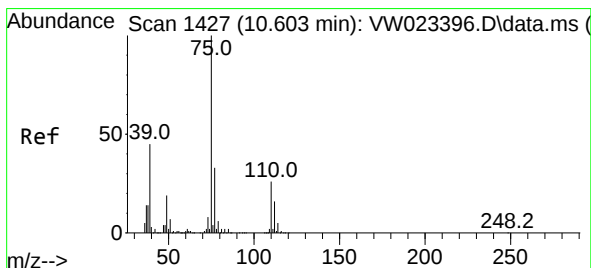
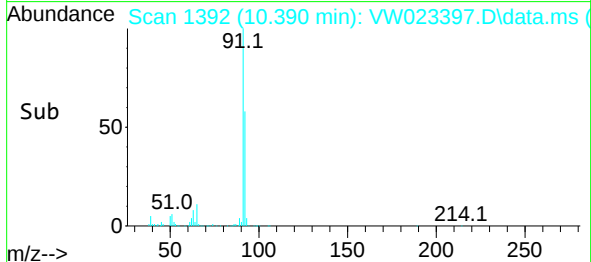
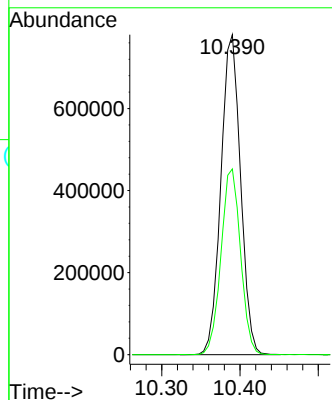
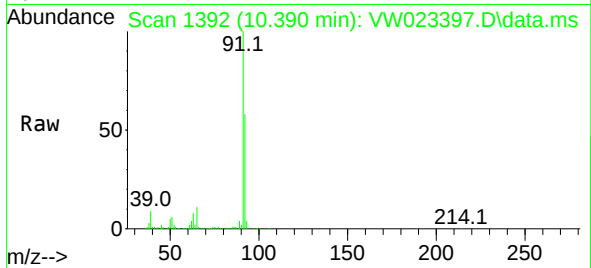




#42
Toluene
Concen: 52.345 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VW023397.D
Acq: 06 Jun 2022 10:12

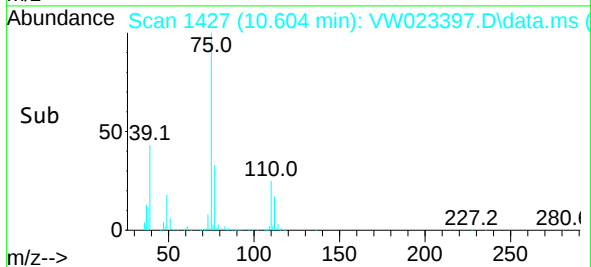
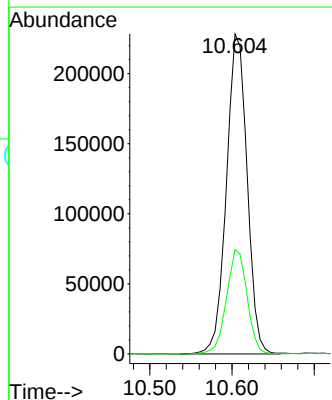
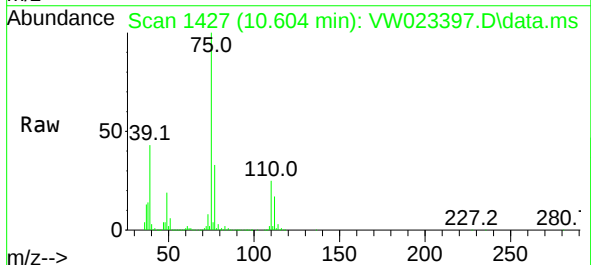
Instrument :
MSVOA_W
ClientSampleId :
VSTD050416

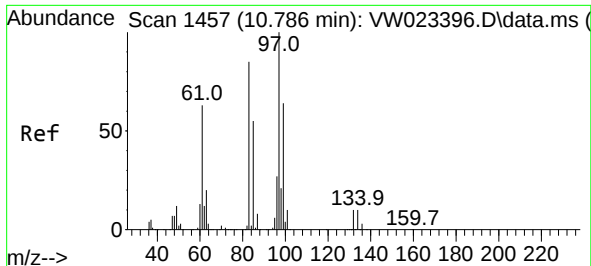
Tgt Ion: 91 Resp: 1360253
Ion Ratio Lower Upper
91 100
92 58.0 41.6 77.2



#44
trans-1,3-Dichloropropene
Concen: 51.398 ug/L
RT: 10.604 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VW023397.D
Acq: 06 Jun 2022 10:12

Tgt Ion: 75 Resp: 399045
Ion Ratio Lower Upper
75 100
77 32.6 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 49.056 ug/L

RT: 10.787 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VW023397.D

Acq: 06 Jun 2022 10:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD050416

Tgt Ion: 97 Resp: 220681

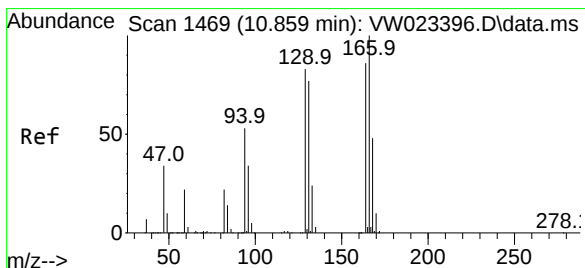
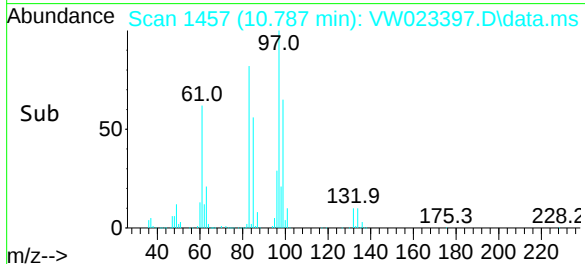
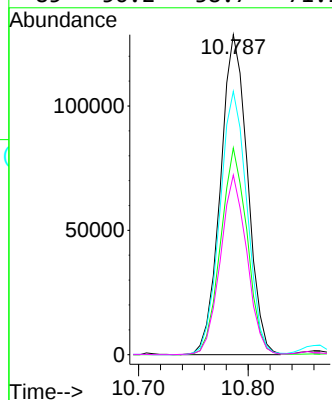
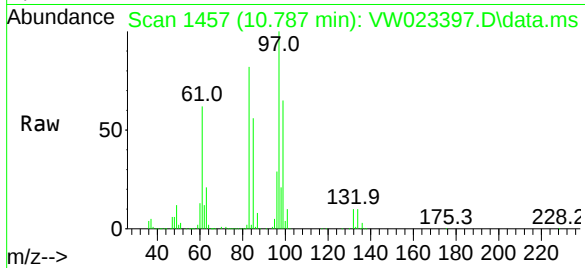
Ion Ratio Lower Upper

97 100

99 64.6 44.7 82.9

83 82.3 58.4 108.4

85 56.2 38.7 71.9



#46

Tetrachloroethene

Concen: 50.815 ug/L

RT: 10.860 min Scan# 1469

Delta R.T. 0.000 min

Lab File: VW023397.D

Acq: 06 Jun 2022 10:12

Tgt Ion:164 Resp: 256024

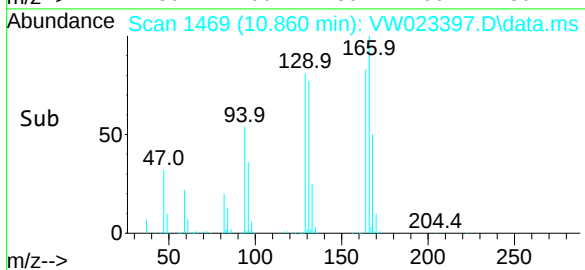
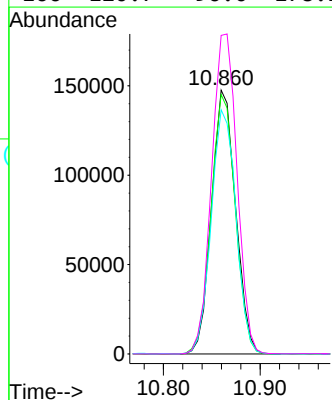
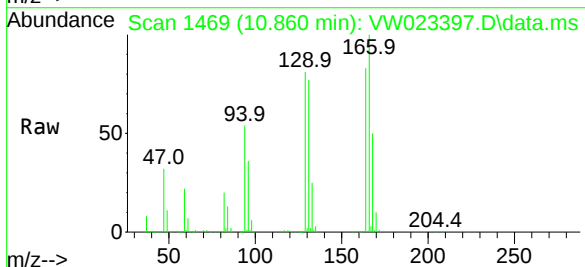
Ion Ratio Lower Upper

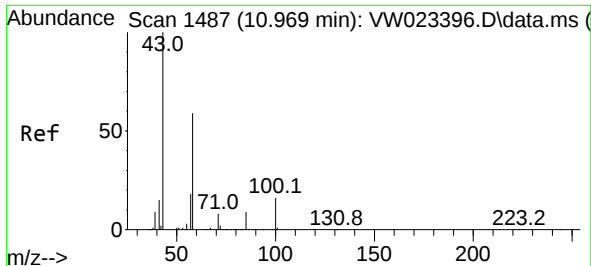
164 100

129 98.3 76.9 142.7

131 92.5 75.1 139.5

166 120.7 96.0 178.2



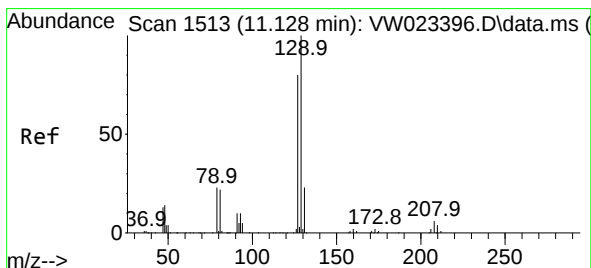
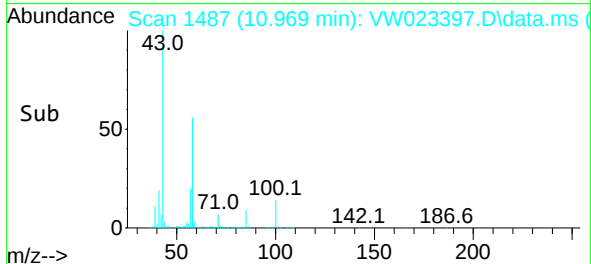
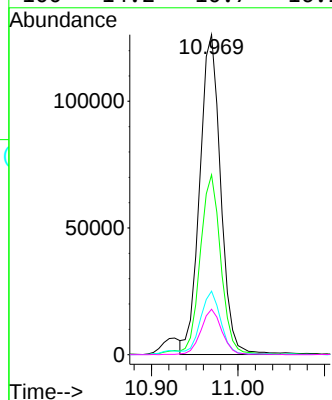
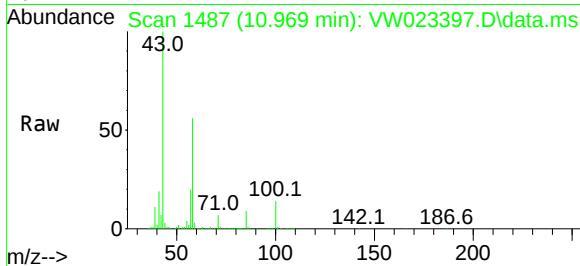


#48
2-Hexanone
Concen: 101.787 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VW023397.D
Acq: 06 Jun 2022 10:12

Instrument :
MSVOA_W
ClientSampleId :
VSTD050416

Tgt Ion: 43 Resp: 211995

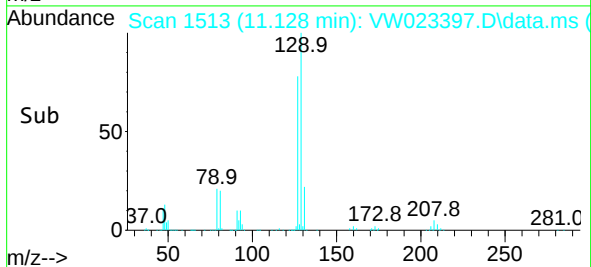
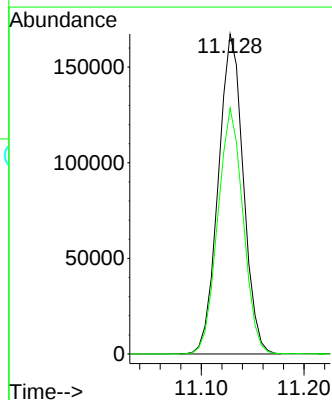
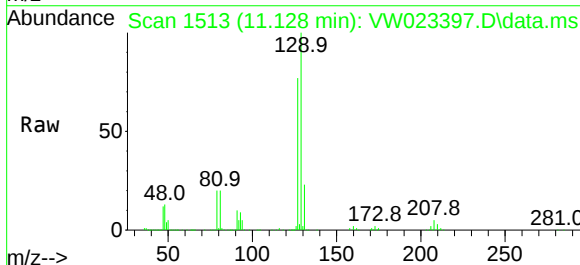
Ion	Ratio	Lower	Upper
43	100		
58	55.0	45.9	68.9
57	19.3	16.2	24.2
100	14.2	10.7	16.1

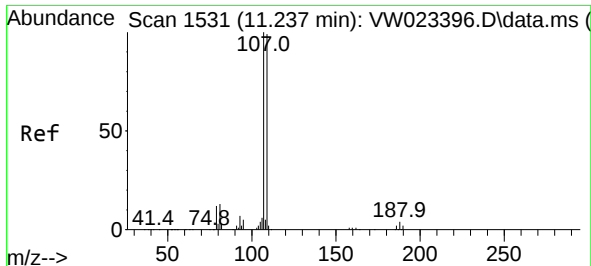


#49
Dibromochloromethane
Concen: 51.149 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VW023397.D
Acq: 06 Jun 2022 10:12

Tgt Ion: 129 Resp: 282136

Ion	Ratio	Lower	Upper
129	100		
127	76.8	53.8	100.0





#50

1,2-Dibromoethane

Concen: 50.781 ug/L

RT: 11.238 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW023397.D

Acq: 06 Jun 2022 10:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD050416

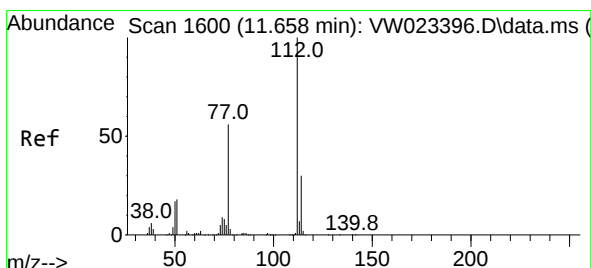
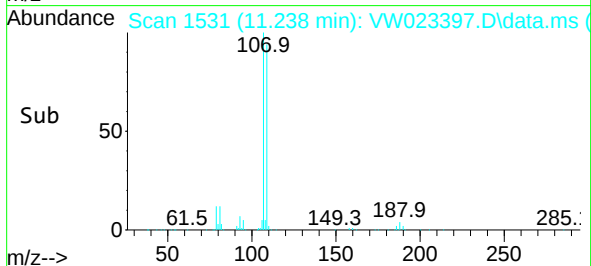
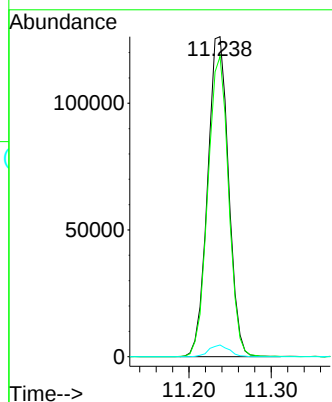
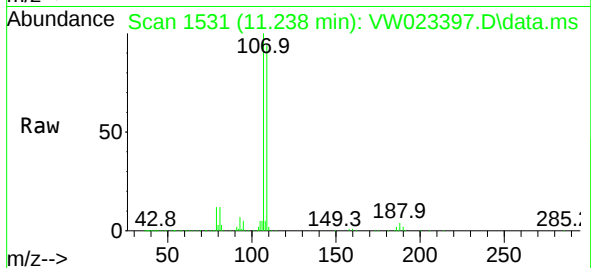
Tgt Ion:107 Resp: 223494

Ion Ratio Lower Upper

107 100

109 93.8 67.5 125.4

188 3.6 2.9 4.3



#51

Chlorobenzene

Concen: 51.857 ug/L

RT: 11.658 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VW023397.D

Acq: 06 Jun 2022 10:12

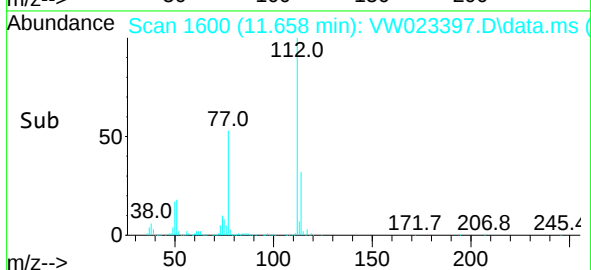
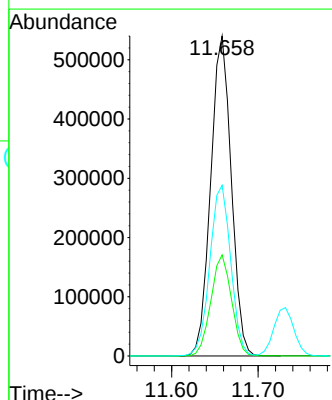
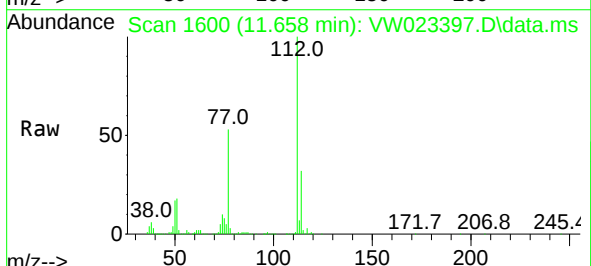
Tgt Ion:112 Resp: 891126

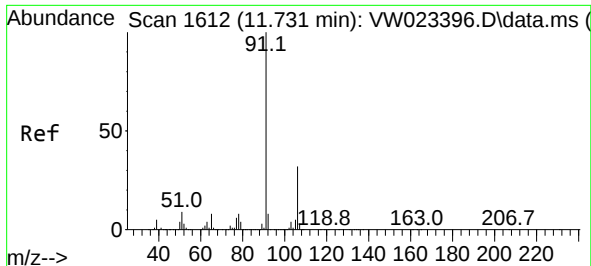
Ion Ratio Lower Upper

112 100

114 31.6 22.0 41.0

77 53.3 42.6 63.8





#52

Ethylbenzene

Concen: 53.090 ug/L

RT: 11.731 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW023397.D

Acq: 06 Jun 2022 10:12

Instrument :

MSVOA_W

ClientSampleId :

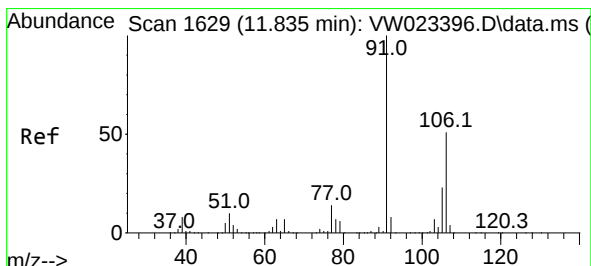
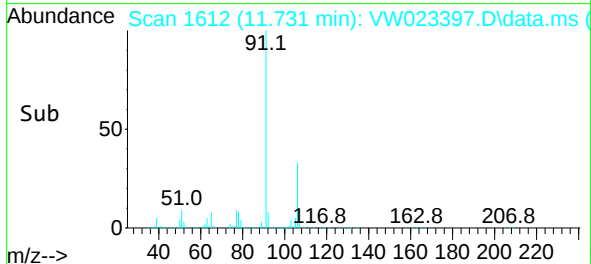
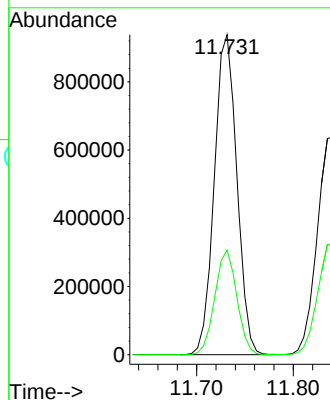
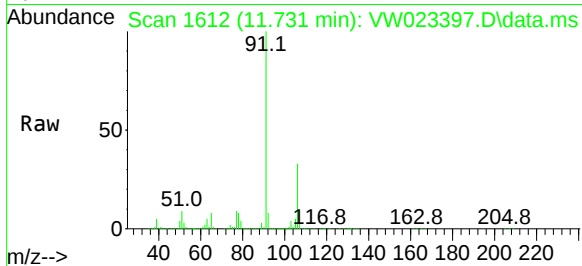
VSTD050416

Tgt Ion: 91 Resp: 1516179

Ion Ratio Lower Upper

91 100

106 32.7 22.3 41.3



#53

m,p-Xylene

Concen: 54.023 ug/L

RT: 11.841 min Scan# 1630

Delta R.T. 0.006 min

Lab File: VW023397.D

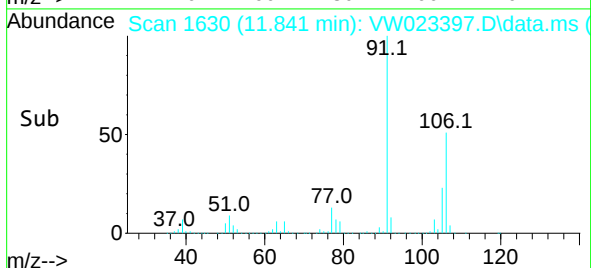
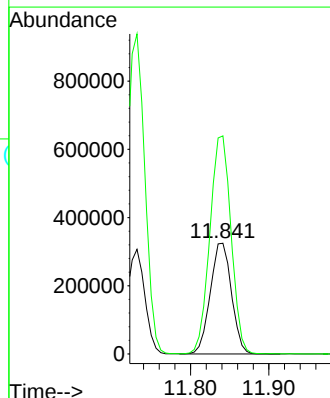
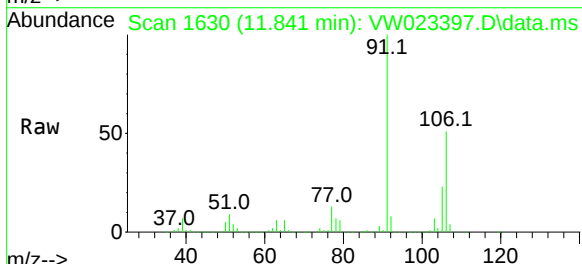
Acq: 06 Jun 2022 10:12

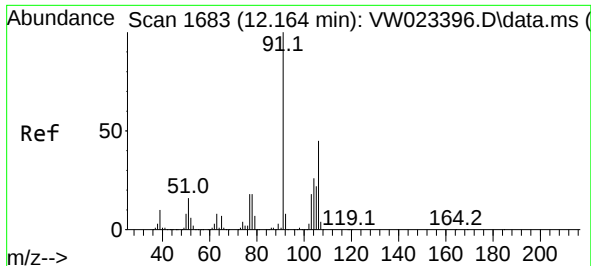
Tgt Ion: 106 Resp: 611192

Ion Ratio Lower Upper

106 100

91 196.8 136.8 254.0

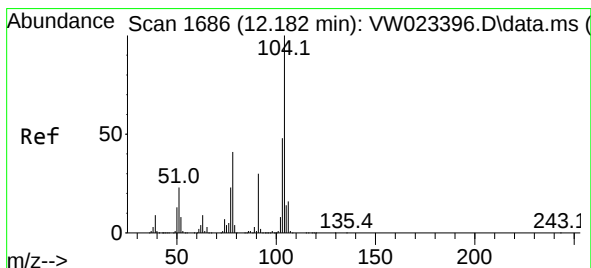
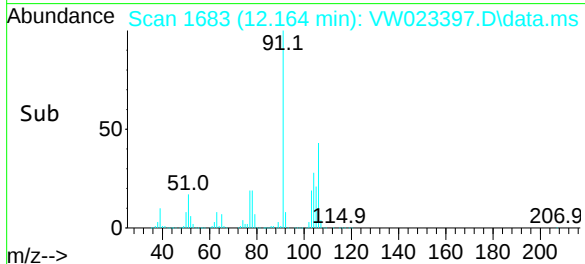
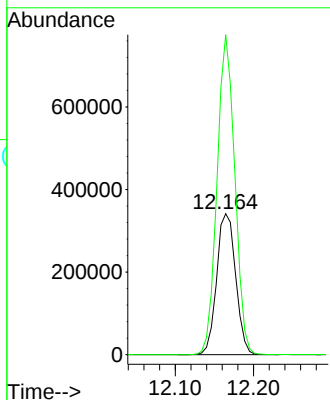
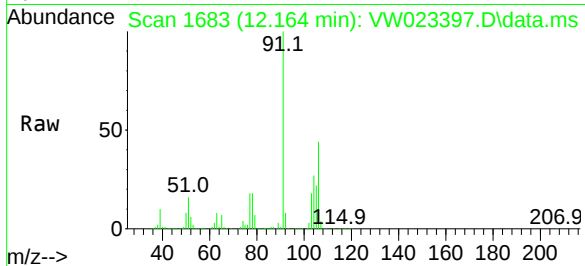




#54
o-Xylene
Concen: 53.201 ug/L
RT: 12.164 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW023397.D
Acq: 06 Jun 2022 10:12

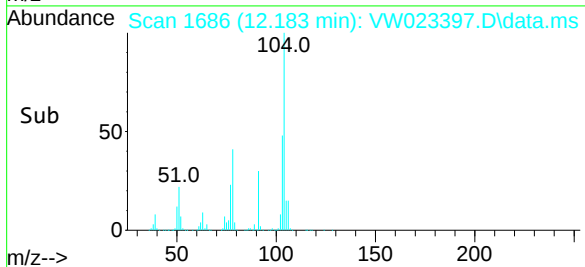
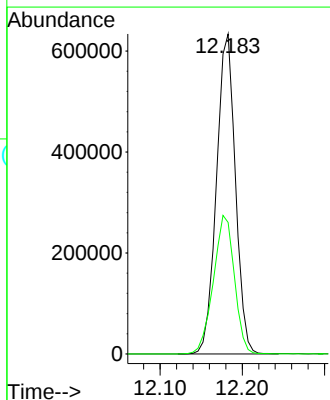
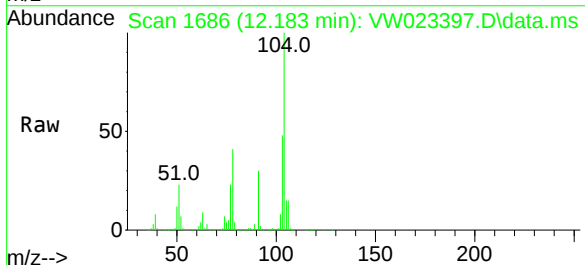
Instrument :
MSVOA_W
ClientSampleId :
VSTD050416

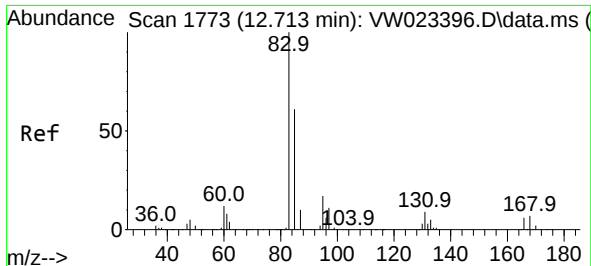
Tgt Ion:106 Resp: 576446
Ion Ratio Lower Upper
106 100
91 226.9 147.2 273.4



#55
Styrene
Concen: 55.013 ug/L
RT: 12.183 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW023397.D
Acq: 06 Jun 2022 10:12

Tgt Ion:104 Resp: 1014547
Ion Ratio Lower Upper
104 100
78 41.1 32.3 59.9





#57

1,1,2,2-Tetrachloroethane

Concen: 49.552 ug/L

RT: 12.713 min Scan# 1773

Delta R.T. 0.000 min

Lab File: VW023397.D

Acq: 06 Jun 2022 10:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD050416

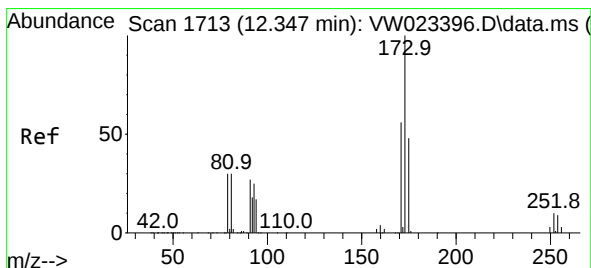
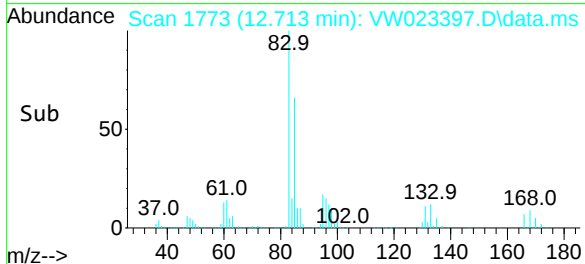
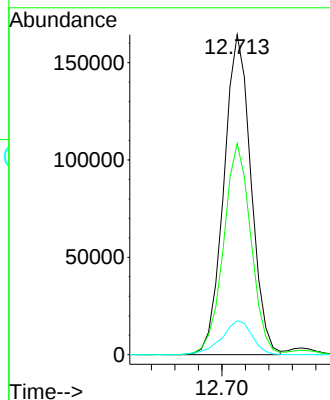
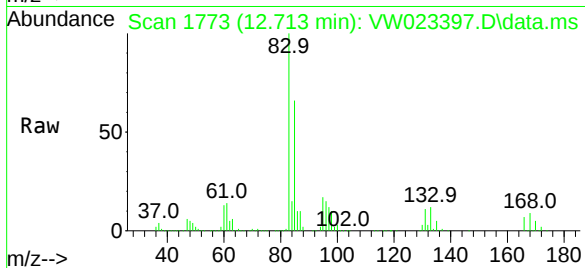
Tgt Ion: 83 Resp: 263563

Ion Ratio Lower Upper

83 100

85 66.0 47.5 88.1

131 10.6 8.7 13.1



#59

Bromoform

Concen: 49.839 ug/L

RT: 12.347 min Scan# 1713

Delta R.T. 0.000 min

Lab File: VW023397.D

Acq: 06 Jun 2022 10:12

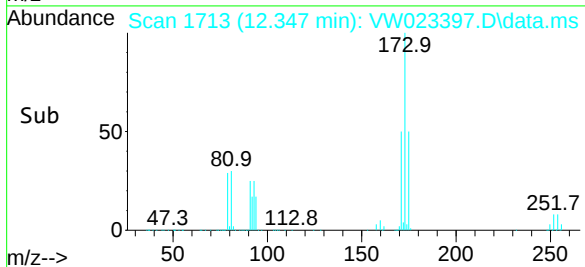
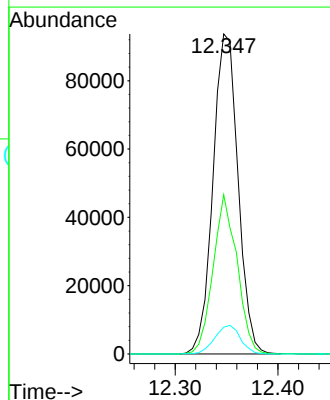
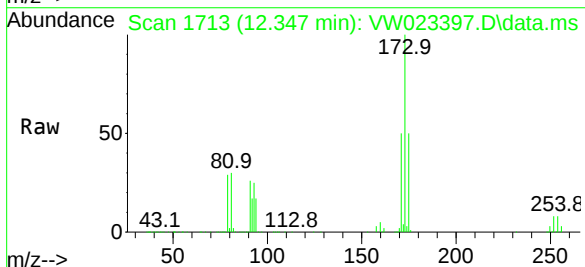
Tgt Ion: 173 Resp: 158788

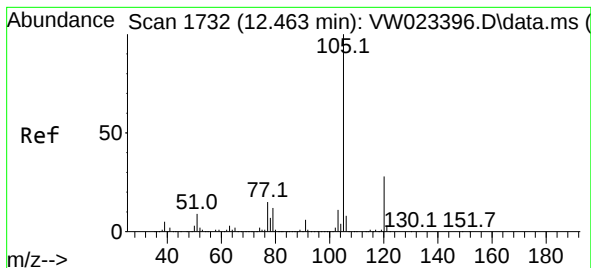
Ion Ratio Lower Upper

173 100

175 47.5 38.1 57.1

254 9.2 6.5 9.7

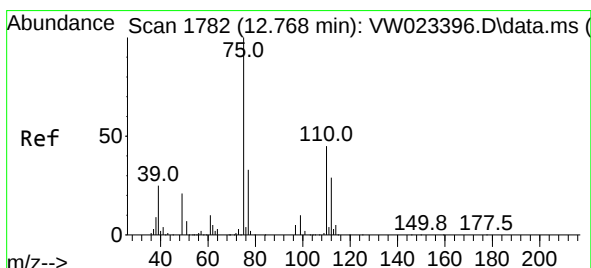
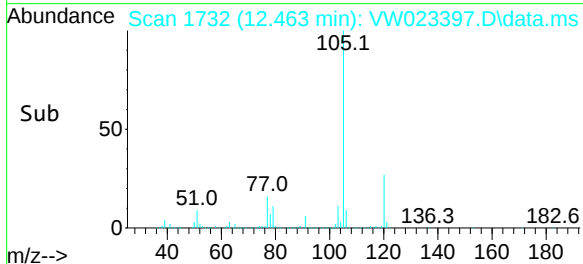
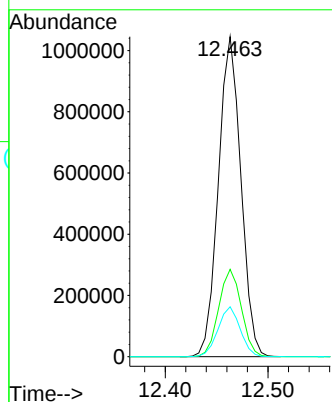
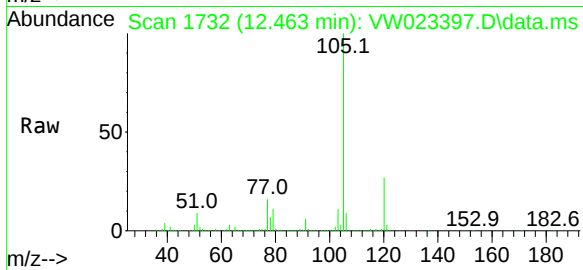




#60
Isopropylbenzene
Concen: 52.681 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW023397.D
Acq: 06 Jun 2022 10:12

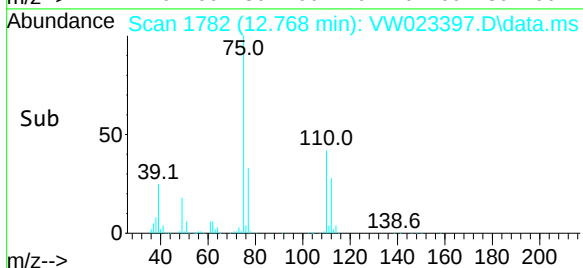
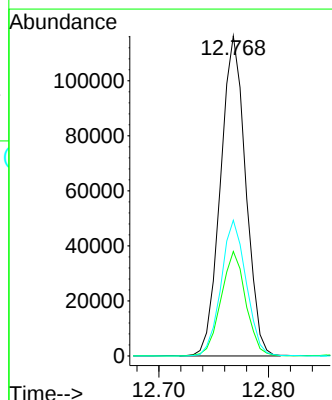
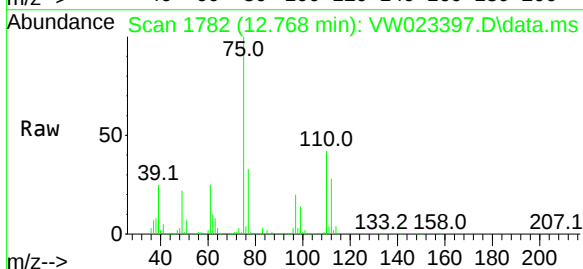
Instrument :
MSVOA_W
ClientSampleId :
VSTD050416

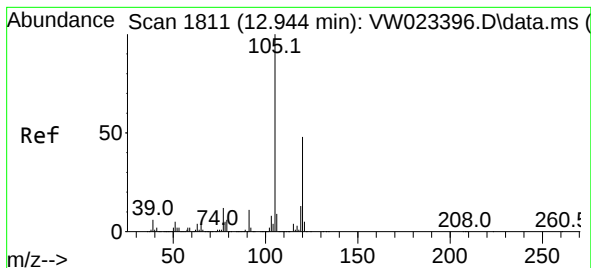
Tgt Ion:105 Resp: 1591061
Ion Ratio Lower Upper
105 100
120 27.4 21.3 31.9
77 15.4 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 46.920 ug/L
RT: 12.768 min Scan# 1782
Delta R.T. 0.000 min
Lab File: VW023397.D
Acq: 06 Jun 2022 10:12

Tgt Ion: 75 Resp: 185684
Ion Ratio Lower Upper
75 100
77 32.1 26.2 39.2
110 42.3 34.1 51.1





#62

1,3,5-Trimethylbenzene

Concen: 54.409 ug/L

RT: 12.945 min Scan# 1811

Delta R.T. 0.000 min

Lab File: VW023397.D

Acq: 06 Jun 2022 10:12

Instrument :

MSVOA_W

ClientSampleId :

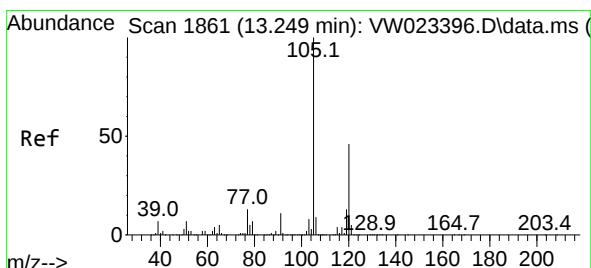
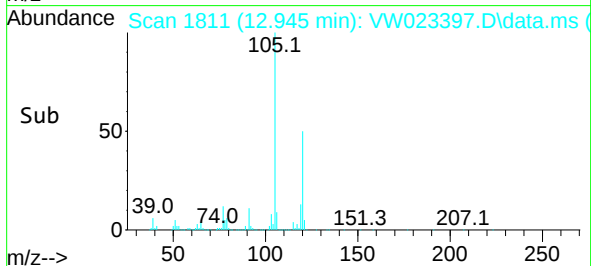
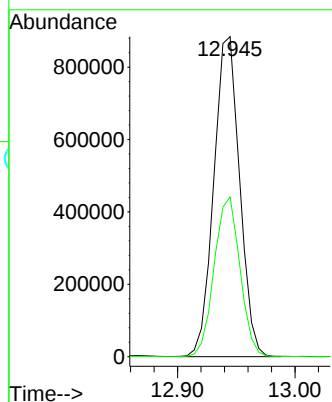
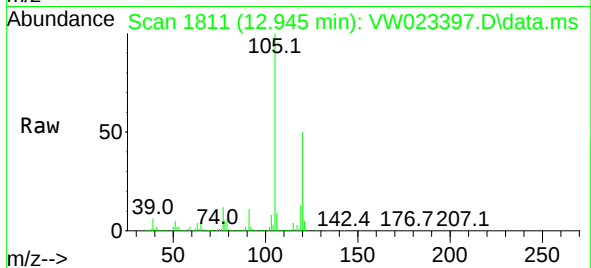
VSTD050416

Tgt Ion:105 Resp: 1352386

Ion Ratio Lower Upper

105 100

120 49.7 38.9 58.3



#63

1,2,4-Trimethylbenzene

Concen: 65.785 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. 0.000 min

Lab File: VW023397.D

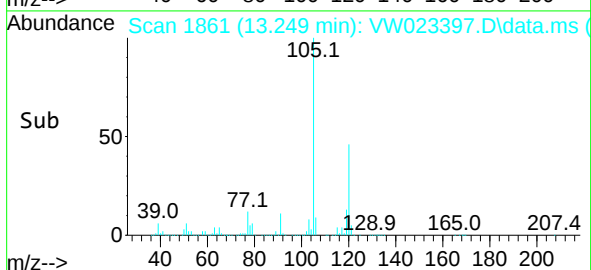
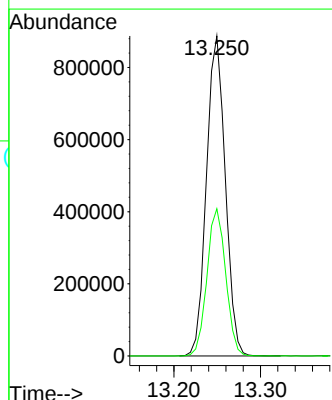
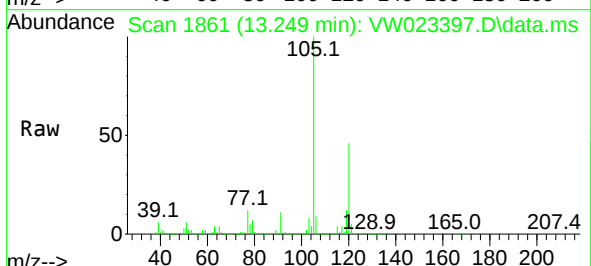
Acq: 06 Jun 2022 10:12

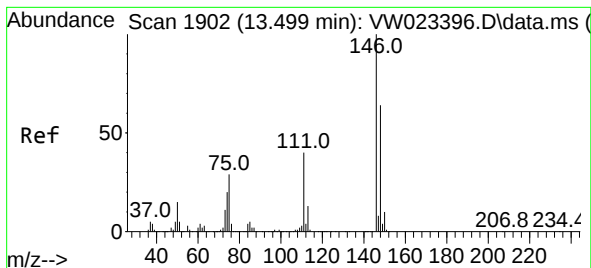
Tgt Ion:105 Resp: 1339667

Ion Ratio Lower Upper

105 100

120 45.8 37.4 56.2





#64

1,3-Dichlorobenzene

Concen: 52.440 ug/L

RT: 13.499 min Scan# 1902

Delta R.T. 0.000 min

Lab File: VW023397.D

Acq: 06 Jun 2022 10:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD050416

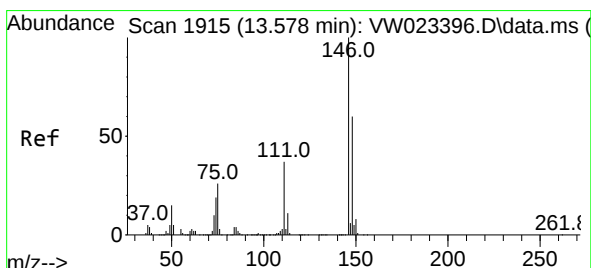
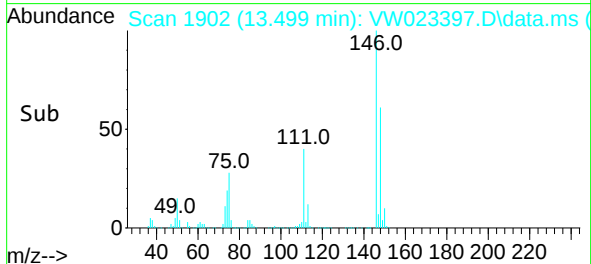
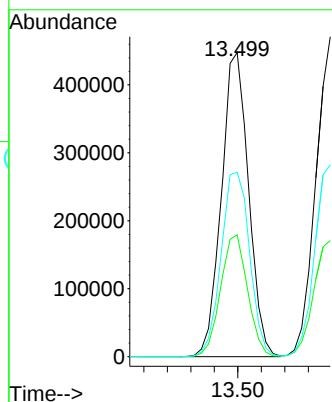
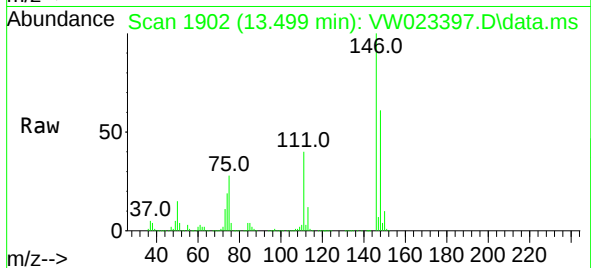
Tgt Ion:146 Resp: 718810

Ion Ratio Lower Upper

146 100

111 40.1 29.5 54.9

148 60.6 48.6 90.2



#65

1,4-Dichlorobenzene

Concen: 50.399 ug/L

RT: 13.579 min Scan# 1915

Delta R.T. 0.000 min

Lab File: VW023397.D

Acq: 06 Jun 2022 10:12

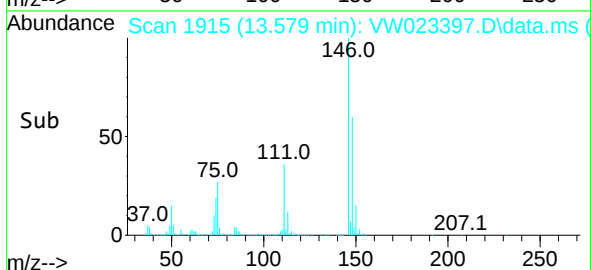
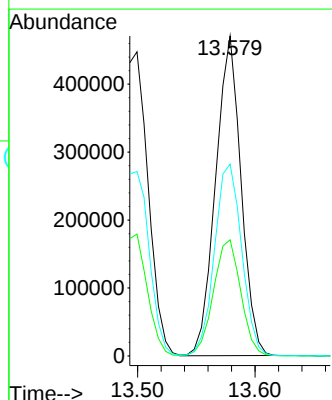
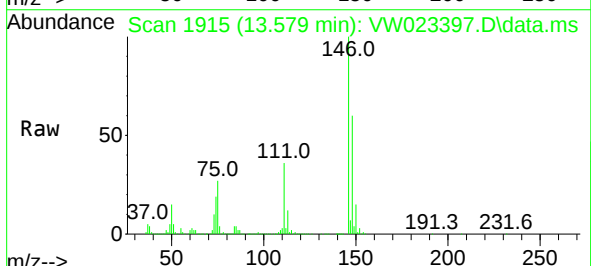
Tgt Ion:146 Resp: 708749

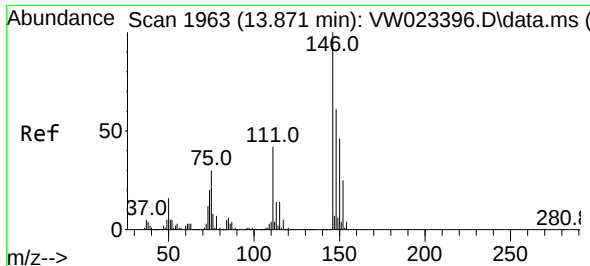
Ion Ratio Lower Upper

146 100

111 36.3 27.2 50.4

148 60.0 44.0 81.6





#67

1,2-Dichlorobenzene

Concen: 50.817 ug/L

RT: 13.871 min Scan# 1963

Delta R.T. 0.000 min

Lab File: VW023397.D

Acq: 06 Jun 2022 10:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD050416

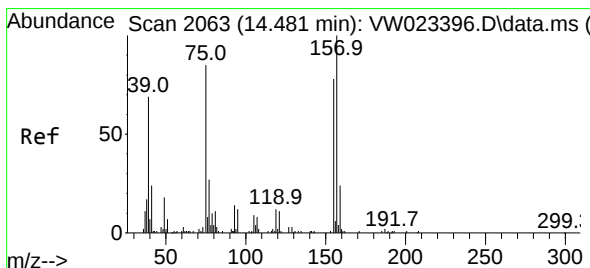
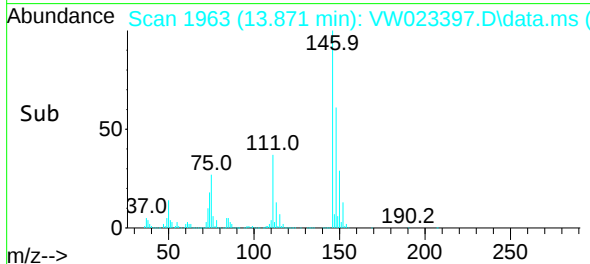
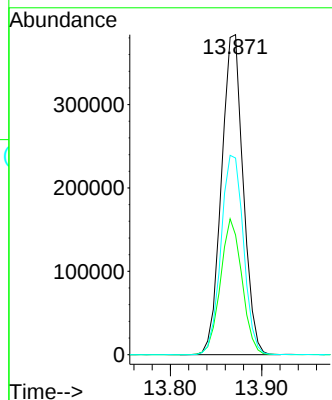
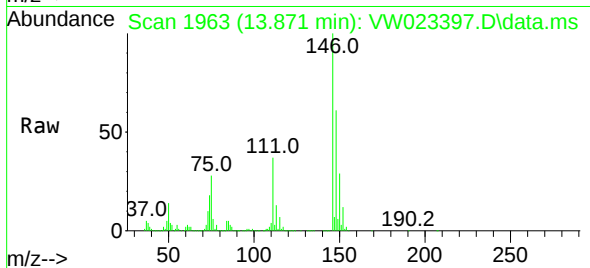
Tgt Ion:146 Resp: 633497

Ion Ratio Lower Upper

146 100

111 37.4 35.7 53.5

148 61.5 52.6 79.0



#68

1,2-Dibromo-3-chloropropane

Concen: 46.283 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VW023397.D

Acq: 06 Jun 2022 10:12

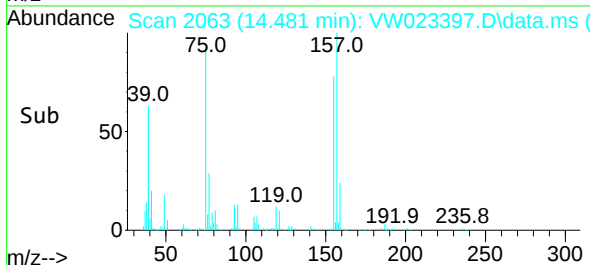
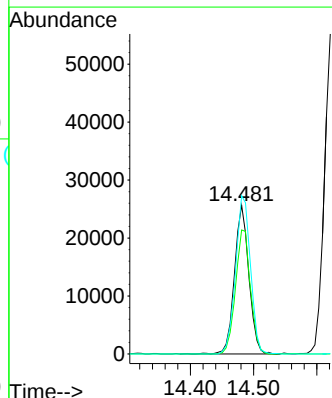
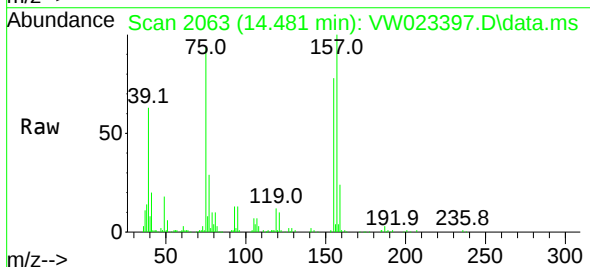
Tgt Ion: 75 Resp: 40635

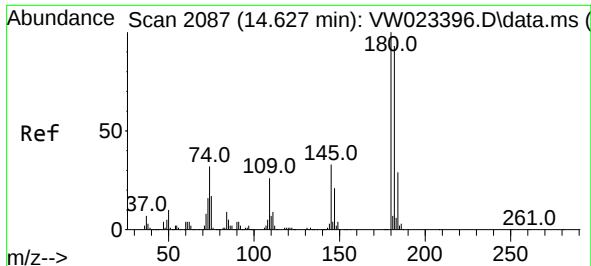
Ion Ratio Lower Upper

75 100

155 83.4 59.3 88.9

157 106.4 89.8 134.8





#69

1,3,5-Trichlorobenzene

Concen: 51.901 ug/L

RT: 14.627 min Scan# 2087

Delta R.T. 0.000 min

Lab File: VW023397.D

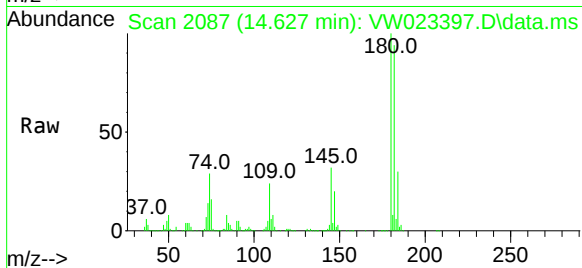
Acq: 06 Jun 2022 10:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD050416



Tgt Ion:180 Resp: 469617

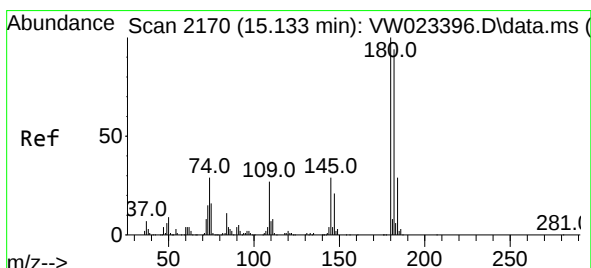
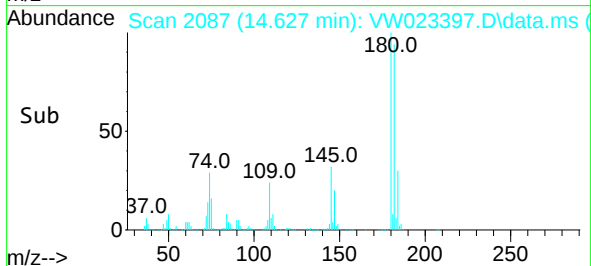
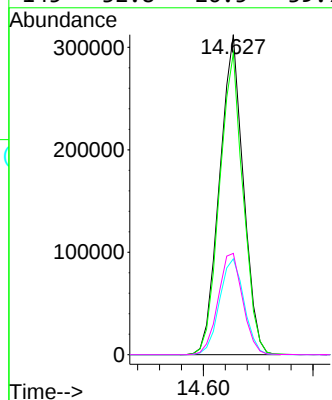
Ion Ratio Lower Upper

180 100

182 93.3 74.8 112.2

184 30.9 23.4 35.2

145 32.8 26.5 39.7



#70

1,2,4-trichlorobenzene

Concen: 53.075 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. -0.006 min

Lab File: VW023397.D

Acq: 06 Jun 2022 10:12

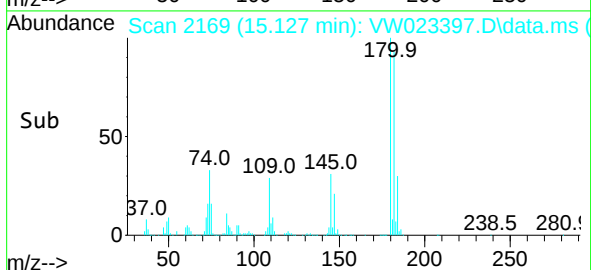
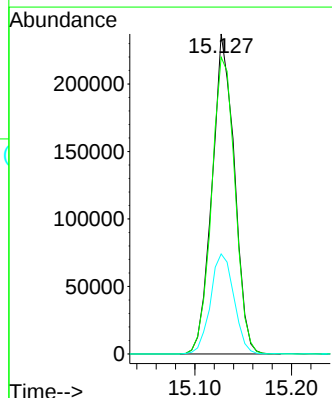
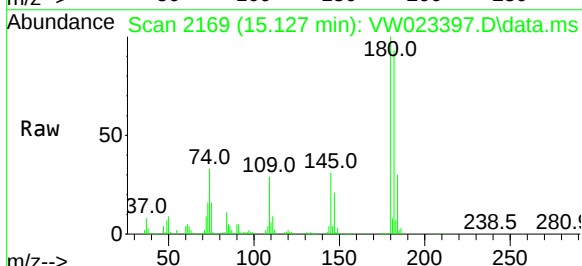
Tgt Ion:180 Resp: 379126

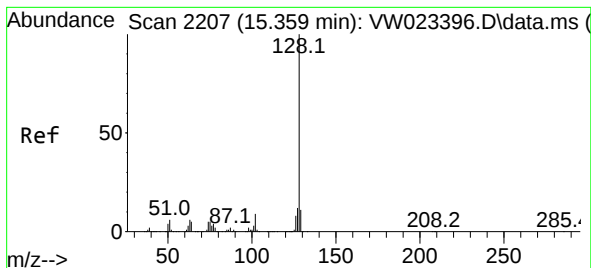
Ion Ratio Lower Upper

180 100

182 97.4 74.9 112.3

145 32.9 26.6 39.8





#71

Naphthalene

Concen: 56.990 ug/L

RT: 15.365 min Scan# 2208

Delta R.T. 0.006 min

Lab File: VW023397.D

Acq: 06 Jun 2022 10:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD050416

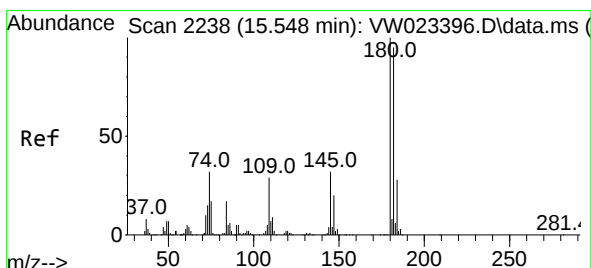
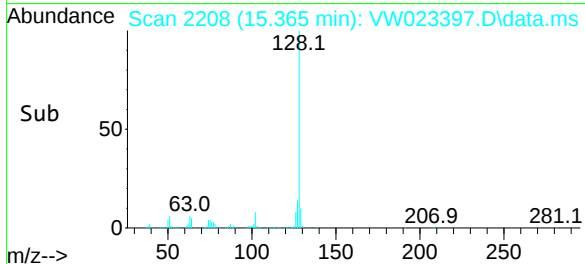
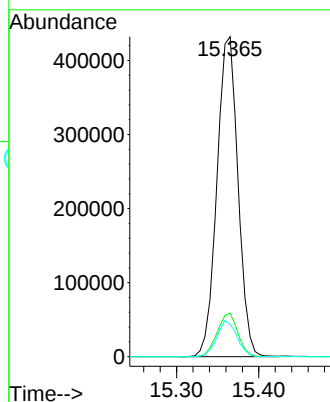
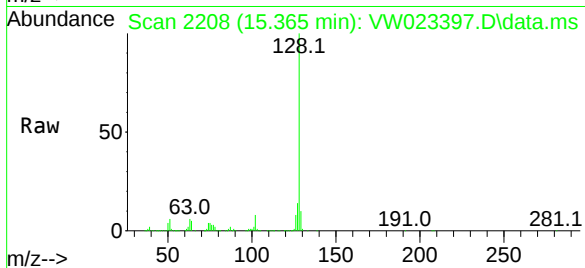
Tgt Ion:128 Resp: 769918

Ion Ratio Lower Upper

128 100

127 13.5 10.6 16.0

129 10.8 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 52.989 ug/L

RT: 15.554 min Scan# 2239

Delta R.T. 0.006 min

Lab File: VW023397.D

Acq: 06 Jun 2022 10:12

Tgt Ion:180 Resp: 330471

Ion Ratio Lower Upper

180 100

182 94.4 73.5 110.3

145 34.0 27.9 41.9

