

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW020122\
 Data File : VW022010.D
 Acq On : 01 Feb 2022 16:04
 Operator : SY/VA
 Sample : VSTD05053
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD050453

Quant Time: Feb 02 00:25:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM020122SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Feb 02 00:22:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	174564	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	159012	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	83643	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	103776	49.354	ug/L	0.00
7) Chloroethane-d5	2.885	69	83233	51.417	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.019	63	182372	49.090	ug/L	0.00
21) 2-Butanone-d5	7.079	46	32785	88.798	ug/L	0.00
24) Chloroform-d	7.646	84	195609	48.163	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.305	65	93109	46.080	ug/L	0.00
32) Benzene-d6	8.274	84	385492	47.973	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.274	67	101987	46.661	ug/L	0.00
41) Toluene-d8	10.323	98	390490	49.032	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.579	79	47531	49.653	ug/L	0.00
47) 2-Hexanone-d5	10.920	63	30650	96.453	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.688	84	81062	45.473	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.853	152	145960	48.373	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.013	85	23679	57.302	ug/L	99
3) Chloromethane	2.215	50	85648	46.686	ug/L	97
5) Vinyl chloride	2.361	62	123856	47.006	ug/L	95
6) Bromomethane	2.781	94	100946	45.054	ug/L	100
8) Chloroethane	2.922	64	67925	50.167	ug/L	99
9) Trichlorofluoromethane	3.263	101	92642	46.574	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.062	101	101607	48.211	ug/L	96
12) 1,1-Dichloroethene	4.037	96	93821	48.238	ug/L	96
13) Acetone	4.129	43	34506	98.648	ug/L	100
14) Carbon disulfide	4.385	76	283872	50.038	ug/L	99
16) Methylene chloride	4.915	84	91258	44.864	ug/L	99
17) trans-1,2-Dichloroethene	5.433	96	104399	48.137	ug/L	100
18) Methyl tert-butyl Ether	5.427	73	129004	46.388	ug/L	99
19) 1,1-Dichloroethane	6.214	63	159704	47.527	ug/L	95
20) cis-1,2-Dichloroethene	7.171	96	109818	49.343	ug/L	93
22) 2-Butanone	7.171	43	44289	98.324	ug/L	100
23) Bromochloromethane	7.512	128	49569	45.231	ug/L	97
25) Chloroform	7.671	83	180380	47.424	ug/L	95
27) 1,2-Dichloroethane	8.396	62	105881	47.209	ug/L	98
29) Cyclohexane	7.957	56	154743	49.575	ug/L	99
30) 1,1,1-Trichloroethane	7.872	97	168265	47.816	ug/L	99
31) Carbon tetrachloride	8.067	117	166429	48.319	ug/L	95
33) Benzene	8.323	78	394489	47.317	ug/L	100
34) Trichloroethene	9.091	95	112977	47.662	ug/L	98
35) Methylcyclohexane	9.335	83	194151	48.550	ug/L	99
37) 1,2-Dichloropropane	9.366	63	87040	47.534	ug/L	98
38) Bromodichloromethane	9.646	83	128579	49.170	ug/L	99
39) cis-1,3-Dichloropropene	10.073	75	149317	50.842	ug/L	99
40) 4-Methyl-2-pentanone	10.207	43	85054	94.672	ug/L	98
42) Toluene	10.384	91	458118	48.476	ug/L	99
44) trans-1,3-Dichloropropene	10.603	75	127699	50.438	ug/L	97
45) 1,1,2-Trichloroethane	10.786	97	71630	46.024	ug/L	100

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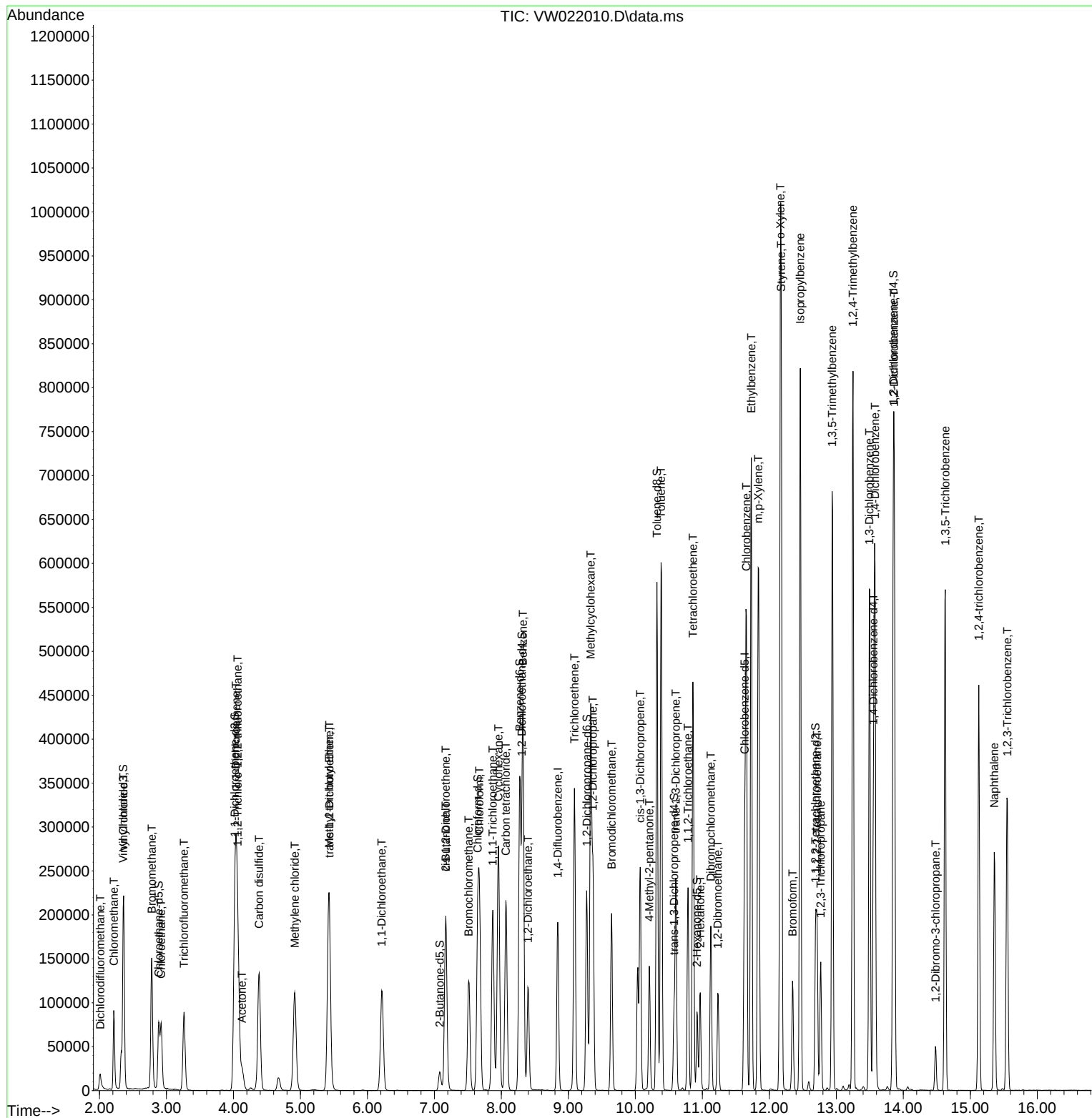
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Tetrachloroethene	10.859	164	104997	47.522	ug/L	95
48) 2-Hexanone	10.969	43	66583	99.610	ug/L	97
49) Dibromochloromethane	11.128	129	97930	49.968	ug/L	95
50) 1,2-Dibromoethane	11.231	107	72638	47.140	ug/L	99
51) Chlorobenzene	11.658	112	310938	48.345	ug/L	95
52) Ethylbenzene	11.731	91	516407	49.526	ug/L	99
53) m,p-Xylene	11.835	106	216605	50.068	ug/L	94
54) o-Xylene	12.164	106	202699	50.087	ug/L	94
55) Styrene	12.176	104	334960	51.241	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.713	83	77499	45.748	ug/L	96
59) Bromoform	12.347	173	56610	51.245	ug/L #	94
60) Isopropylbenzene	12.463	105	555177	50.803	ug/L	99
61) 1,2,3-Trichloropropane	12.768	75	54720	44.907	ug/L	97
62) 1,3,5-Trimethylbenzene	12.938	105	373920	51.591	ug/L	98
63) 1,2,4-Trimethylbenzene	13.249	105	456786	51.730	ug/L	98
64) 1,3-Dichlorobenzene	13.493	146	252561	48.237	ug/L	97
65) 1,4-Dichlorobenzene	13.578	146	253575	48.383	ug/L	99
67) 1,2-Dichlorobenzene	13.865	146	226667	48.709	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.481	75	10898	43.960	ug/L	98
69) 1,3,5-Trichlorobenzene	14.627	180	189786	50.416	ug/L	96
70) 1,2,4-trichlorobenzene	15.127	180	151393	50.631	ug/L	97
71) Naphthalene	15.358	128	240425	49.284	ug/L	99
72) 1,2,3-Trichlorobenzene	15.554	180	124068	48.546	ug/L	96

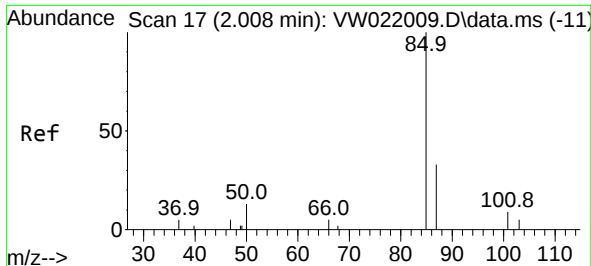
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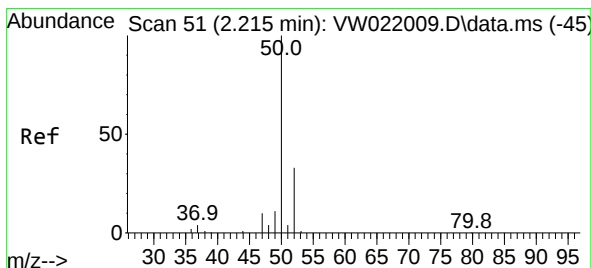
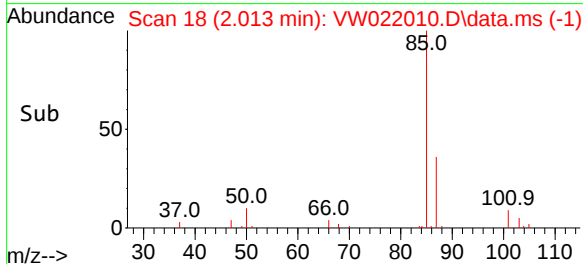
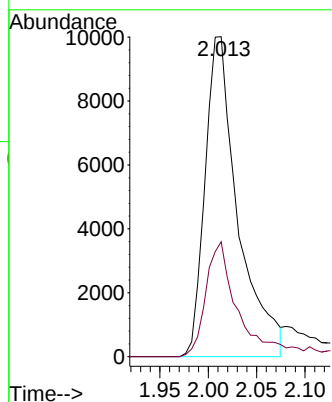
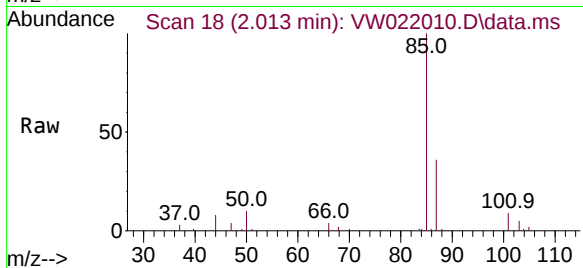




#2
Dichlorodifluoromethane
Concen: 57.302 ug/L
RT: 2.013 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW022010.D
Acq: 01 Feb 2022 16:04

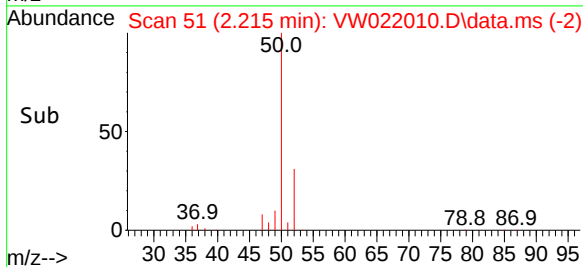
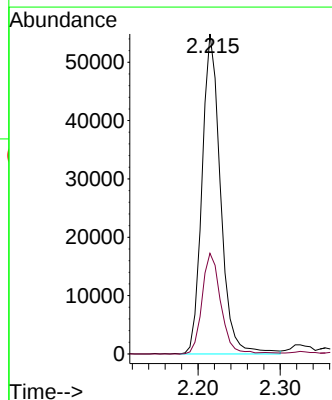
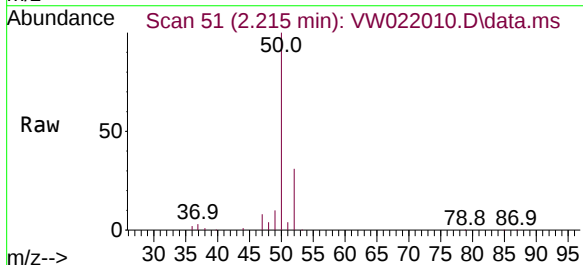
Instrument :
MSVOA_W
ClientSampleId :
VSTD050453

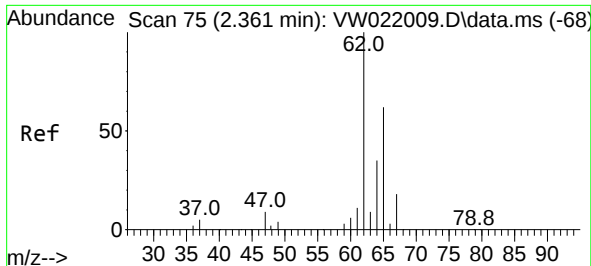
Tgt Ion: 85 Resp: 23679
Ion Ratio Lower Upper
85 100
87 32.4 26.2 39.4



#3
Chloromethane
Concen: 46.686 ug/L
RT: 2.215 min Scan# 51
Delta R.T. -0.000 min
Lab File: VW022010.D
Acq: 01 Feb 2022 16:04

Tgt Ion: 50 Resp: 85648
Ion Ratio Lower Upper
50 100
52 31.5 23.3 43.3

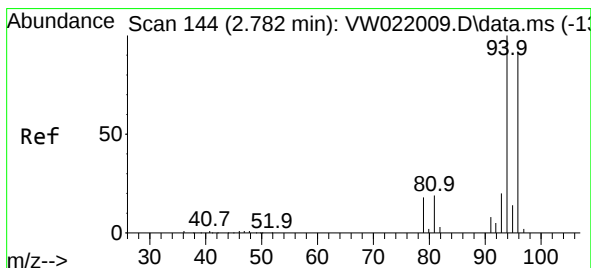
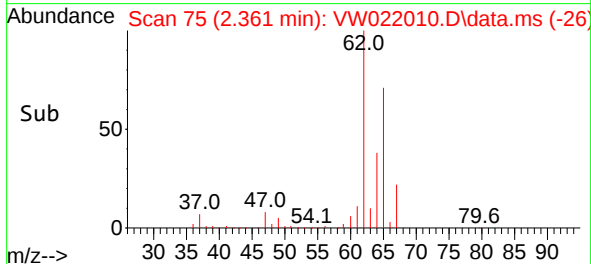
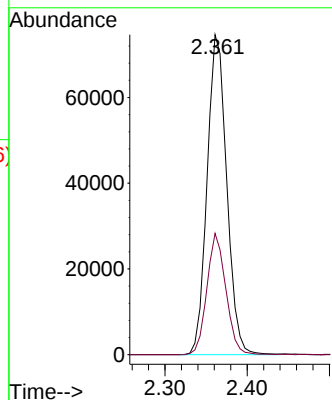
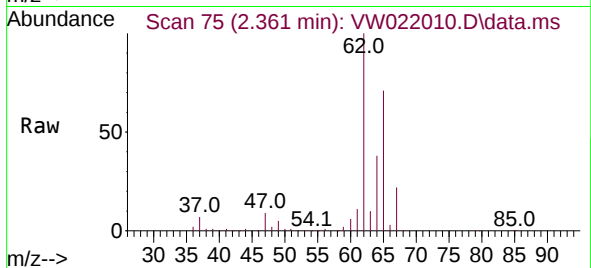




#5
 Vinyl chloride
 Concen: 47.006 ug/L
 RT: 2.361 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VW022010.D
 Acq: 01 Feb 2022 16:04

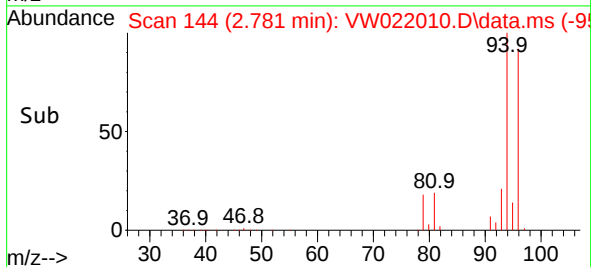
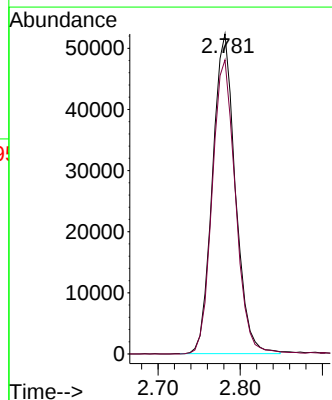
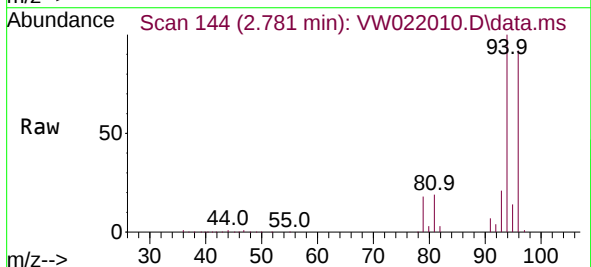
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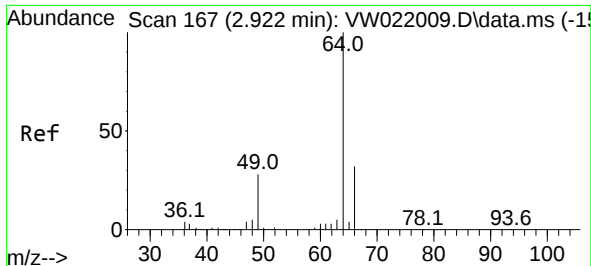
Tgt Ion: 62 Resp: 123856
 Ion Ratio Lower Upper
 62 100
 64 37.9 24.6 45.6



#6
 Bromomethane
 Concen: 45.054 ug/L
 RT: 2.781 min Scan# 144
 Delta R.T. -0.000 min
 Lab File: VW022010.D
 Acq: 01 Feb 2022 16:04

Tgt Ion: 94 Resp: 100946
 Ion Ratio Lower Upper
 94 100
 96 91.9 64.6 120.0

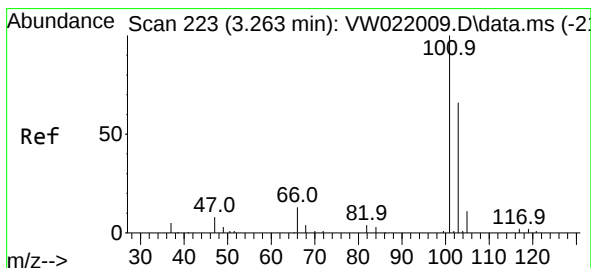
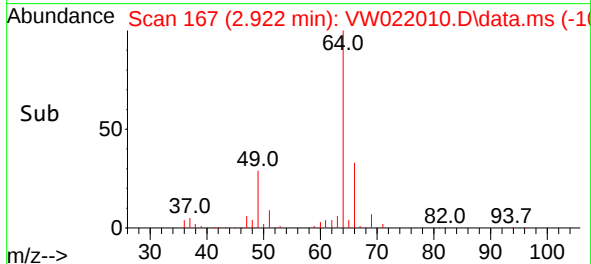
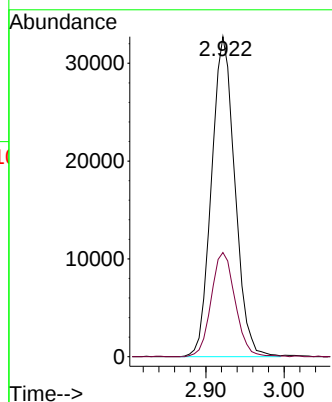
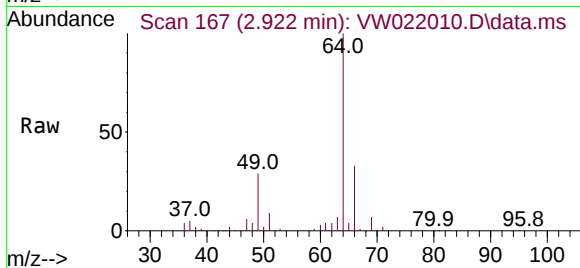




#8
Chloroethane
Concen: 50.167 ug/L
RT: 2.922 min Scan# 167
Delta R.T. -0.000 min
Lab File: VW022010.D
Acq: 01 Feb 2022 16:04

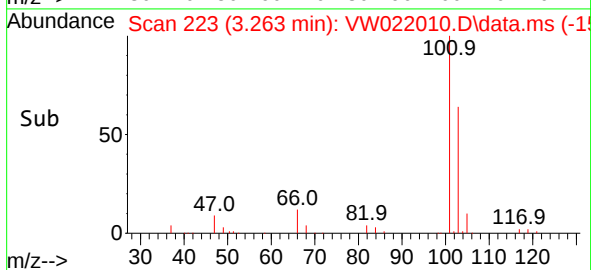
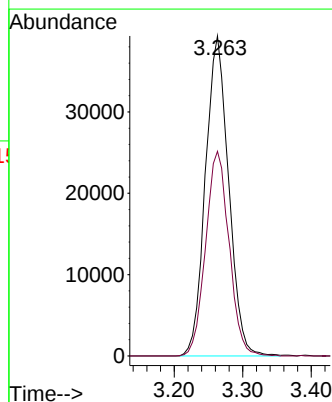
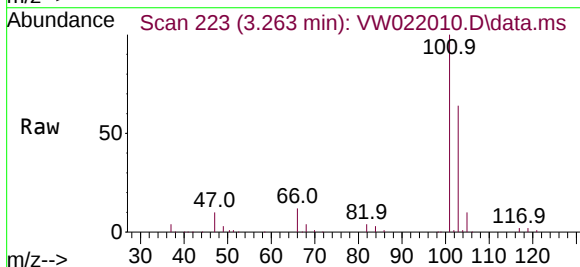
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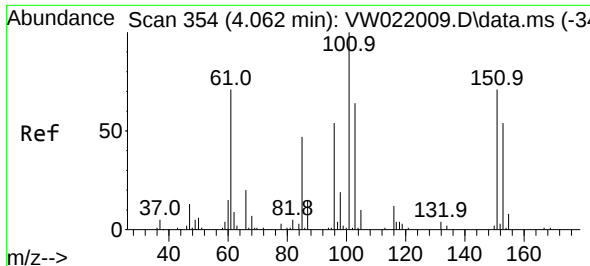
Tgt Ion: 64 Resp: 67925
Ion Ratio Lower Upper
64 100
66 32.6 22.3 41.5



#9
Trichlorofluoromethane
Concen: 46.574 ug/L
RT: 3.263 min Scan# 223
Delta R.T. -0.000 min
Lab File: VW022010.D
Acq: 01 Feb 2022 16:04

Tgt Ion:101 Resp: 92642
Ion Ratio Lower Upper
101 100
103 64.5 52.9 79.3

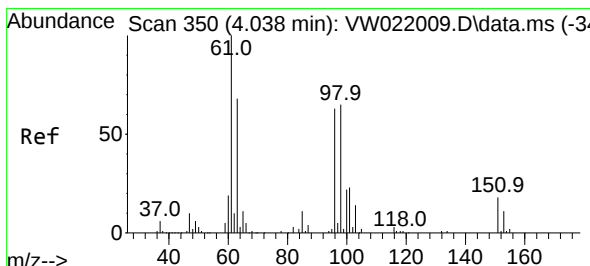
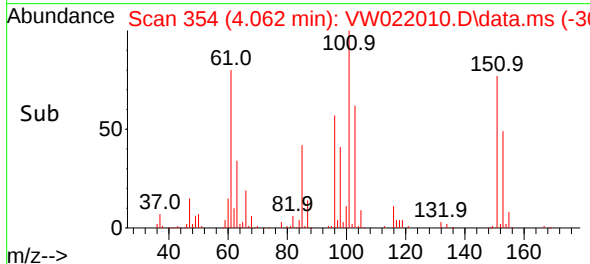
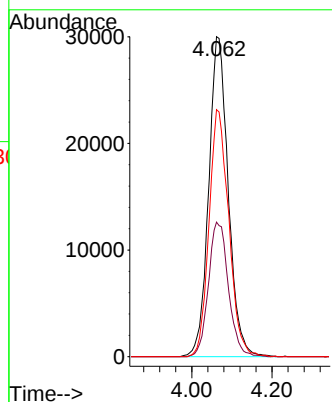
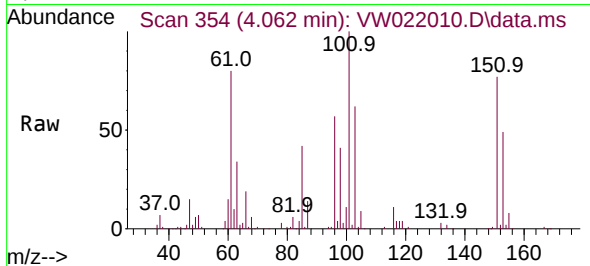




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 48.211 ug/L
 RT: 4.062 min Scan# 310
 Delta R.T. -0.000 min
 Lab File: VW022010.D
 Acq: 01 Feb 2022 16:04

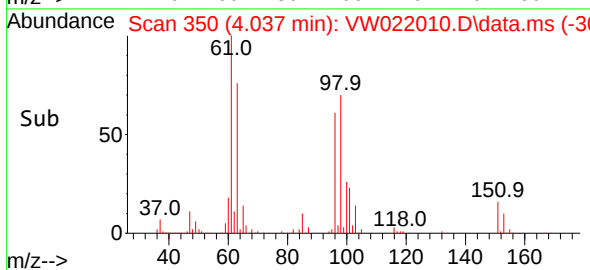
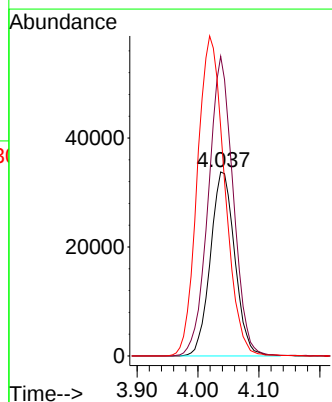
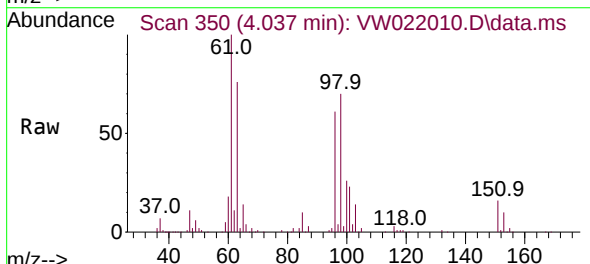
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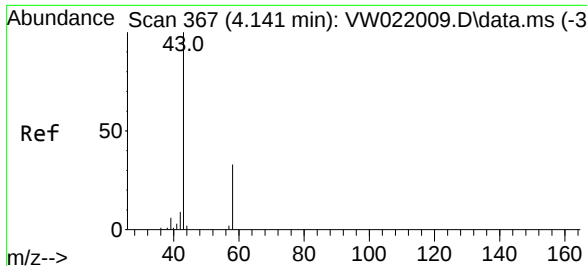
Tgt Ion:101 Resp: 101607
 Ion Ratio Lower Upper
 101 100
 85 42.7 36.8 55.2
 151 77.7 64.1 96.1



#12
 1,1-Dichloroethene
 Concen: 48.238 ug/L
 RT: 4.037 min Scan# 350
 Delta R.T. -0.000 min
 Lab File: VW022010.D
 Acq: 01 Feb 2022 16:04

Tgt Ion: 96 Resp: 93821
 Ion Ratio Lower Upper
 96 100
 61 162.8 111.5 207.1
 63 124.3 83.1 154.3





#13

Acetone

Concen: 98.648 ug/L

RT: 4.129 min Scan# 3

Delta R.T. -0.013 min

Lab File: VW022010.D

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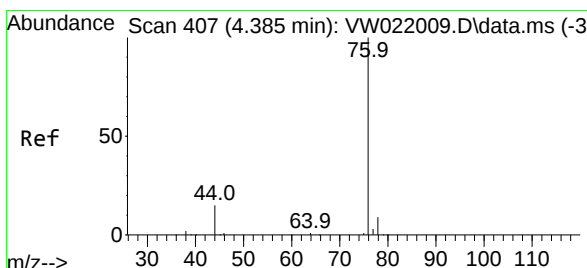
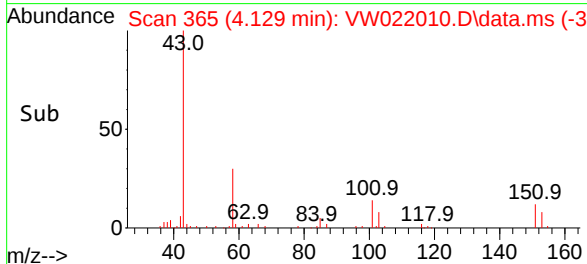
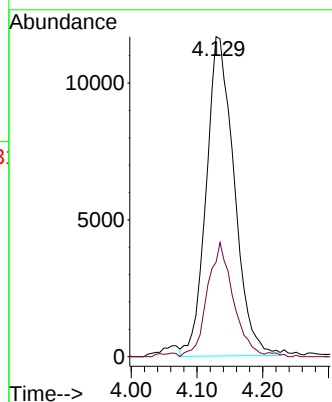
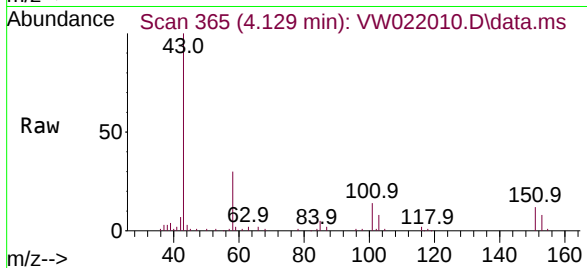
VSTD050453

Tgt Ion: 43 Resp: 34506

Ion Ratio Lower Upper

43 100

58 33.0 0.0 66.0



#14

Carbon disulfide

Concen: 50.038 ug/L

RT: 4.385 min Scan# 407

Delta R.T. -0.000 min

Lab File: VW022010.D

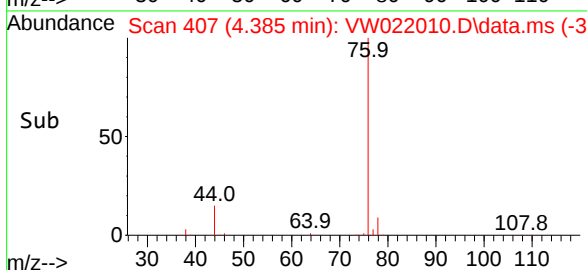
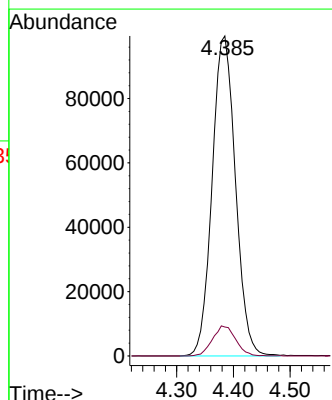
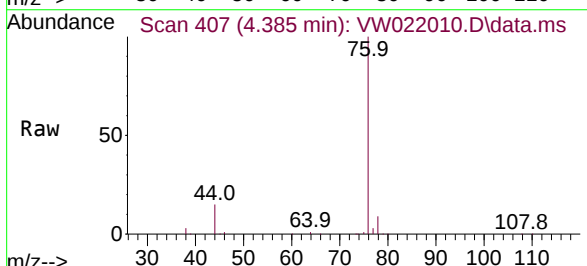
Acq: 01 Feb 2022 16:04

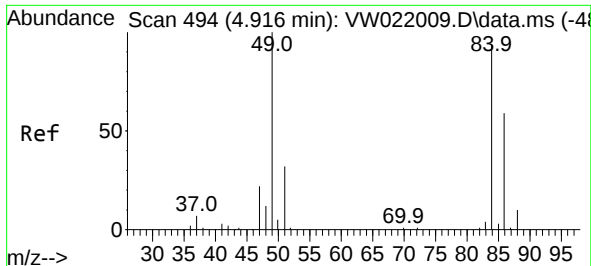
Tgt Ion: 76 Resp: 283872

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

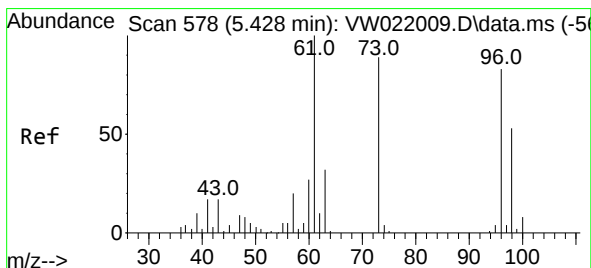
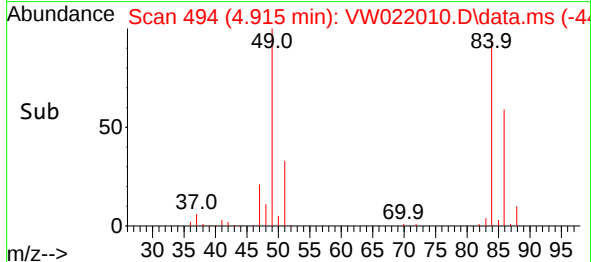
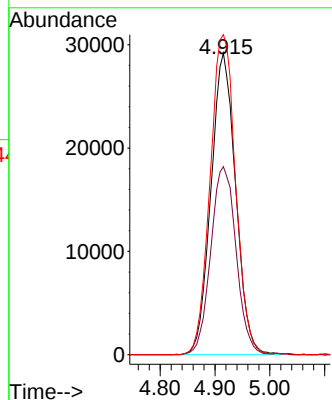
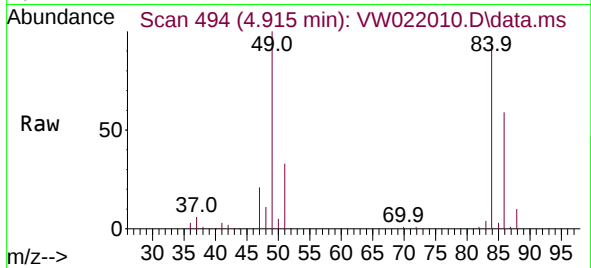




#16
Methylene chloride
Concen: 44.864 ug/L
RT: 4.915 min Scan# 494
Delta R.T. -0.000 min
Lab File: VW022010.D
Acq: 01 Feb 2022 16:04

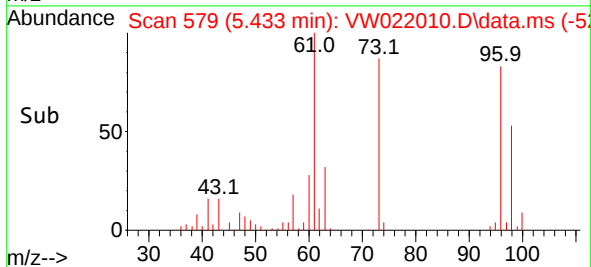
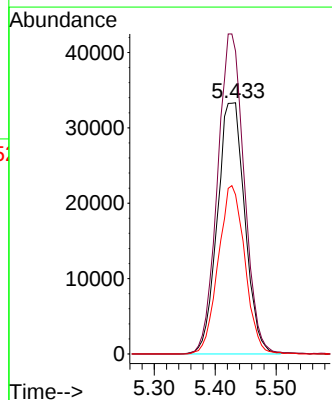
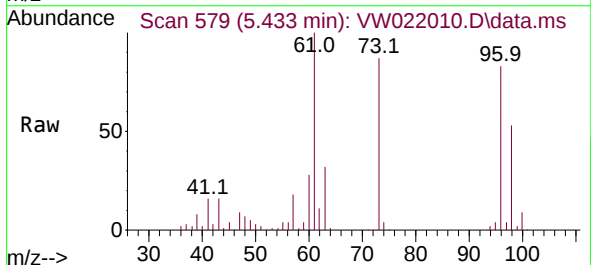
Instrument :
MSVOA_W
ClientSampleId :
VSTD050453

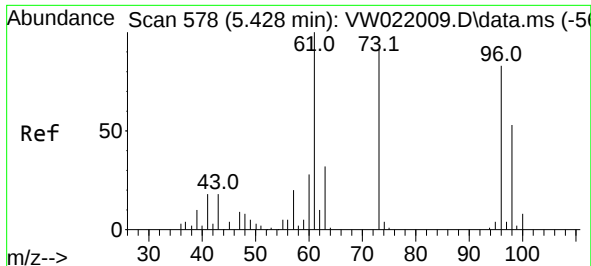
Tgt Ion: 84 Resp: 91258
Ion Ratio Lower Upper
84 100
86 62.3 44.1 81.9
49 106.1 74.7 138.7



#17
trans-1,2-Dichloroethene
Concen: 48.137 ug/L
RT: 5.433 min Scan# 579
Delta R.T. 0.006 min
Lab File: VW022010.D
Acq: 01 Feb 2022 16:04

Tgt Ion: 96 Resp: 104399
Ion Ratio Lower Upper
96 100
61 120.6 84.3 156.5
98 63.4 44.6 82.8

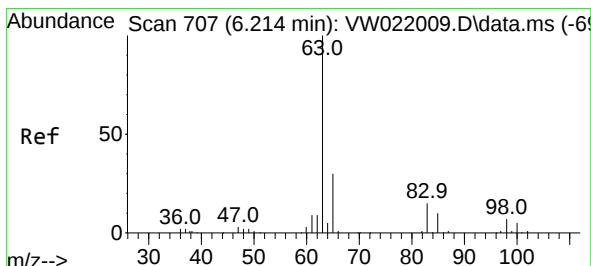
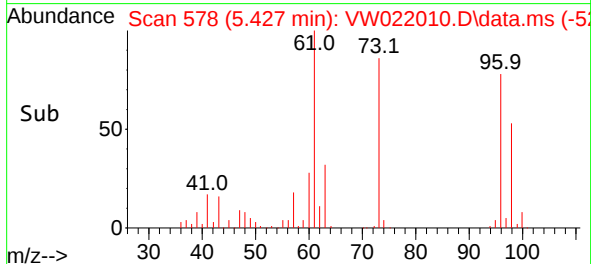
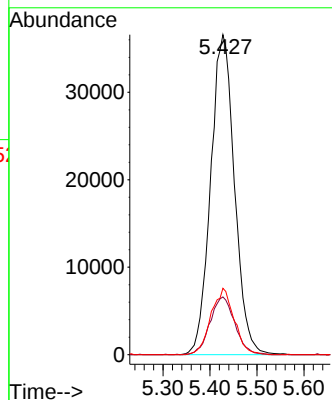
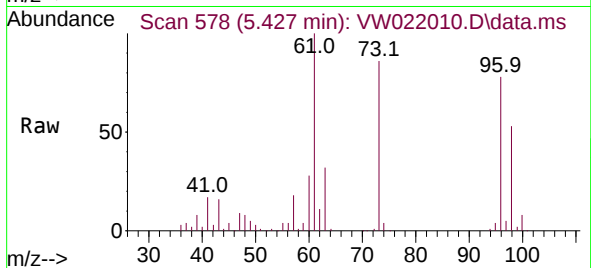




#18
Methyl tert-butyl Ether
Concen: 46.388 ug/L
RT: 5.427 min Scan# 51
Delta R.T. -0.000 min
Lab File: VW022010.D
Acq: 01 Feb 2022 16:04

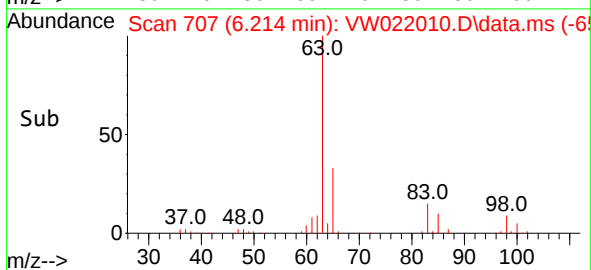
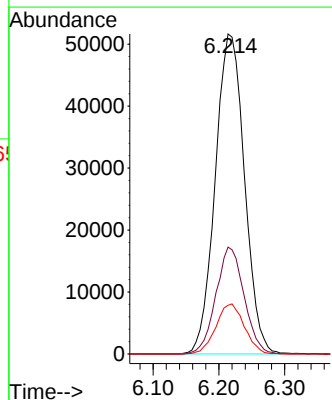
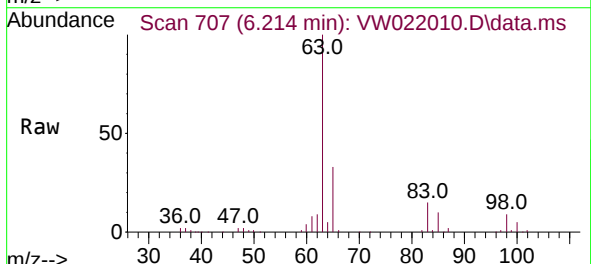
Instrument :
MSVOA_W
ClientSampleId :
VSTD050453

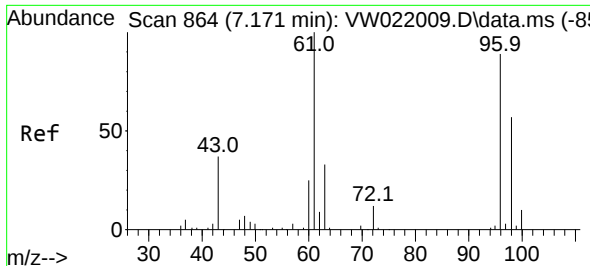
Tgt Ion: 73 Resp: 129004
Ion Ratio Lower Upper
73 100
43 18.7 15.3 22.9
57 20.2 16.3 24.5



#19
1,1-Dichloroethane
Concen: 47.527 ug/L
RT: 6.214 min Scan# 707
Delta R.T. -0.000 min
Lab File: VW022010.D
Acq: 01 Feb 2022 16:04

Tgt Ion: 63 Resp: 159704
Ion Ratio Lower Upper
63 100
65 33.4 20.9 38.7
83 15.2 10.2 19.0

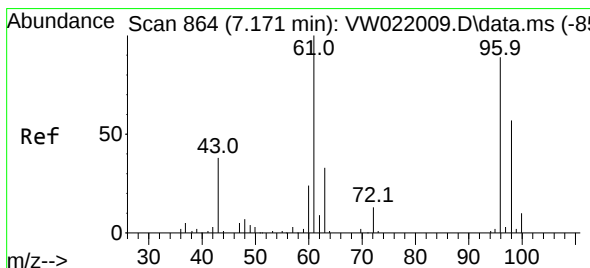
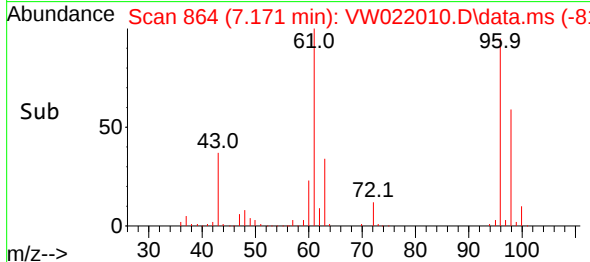
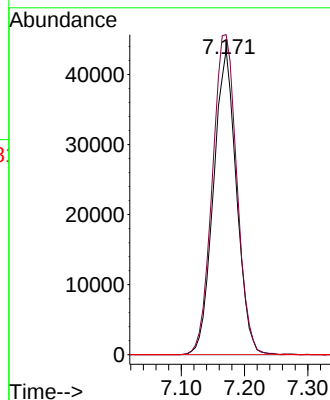
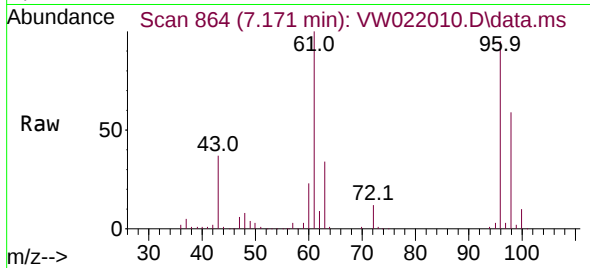




#20
 cis-1,2-Dichloroethene
 Concen: 49.343 ug/L
 RT: 7.171 min Scan# 864
 Delta R.T. -0.000 min
 Lab File: VW022010.D
 Acq: 01 Feb 2022 16:04

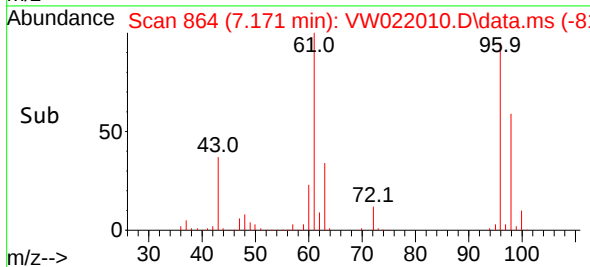
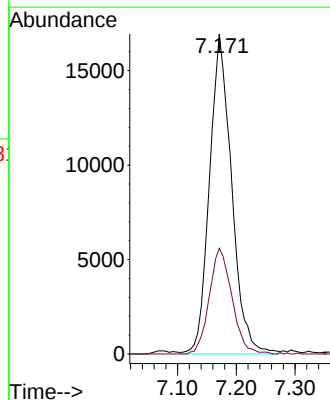
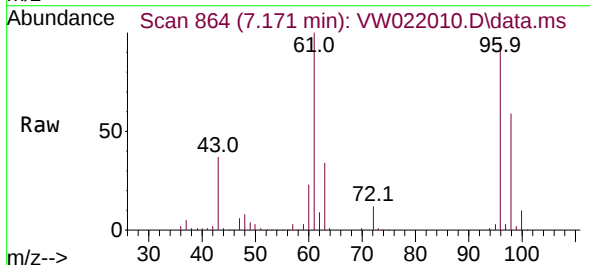
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD050453

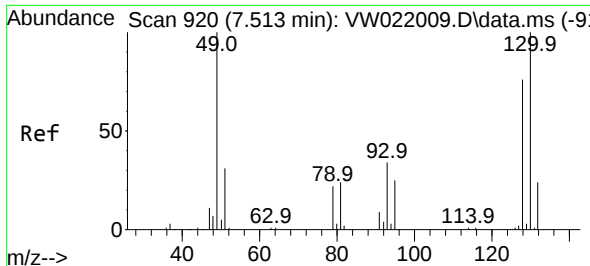
Tgt Ion: 96 Resp: 109818
 Ion Ratio Lower Upper
 96 100
 61 105.0 79.0 146.8
 68 0.0 0.0 0.0



#22
 2-Butanone
 Concen: 98.324 ug/L
 RT: 7.171 min Scan# 864
 Delta R.T. -0.000 min
 Lab File: VW022010.D
 Acq: 01 Feb 2022 16:04

Tgt Ion: 43 Resp: 44289
 Ion Ratio Lower Upper
 43 100
 72 33.6 16.8 50.4

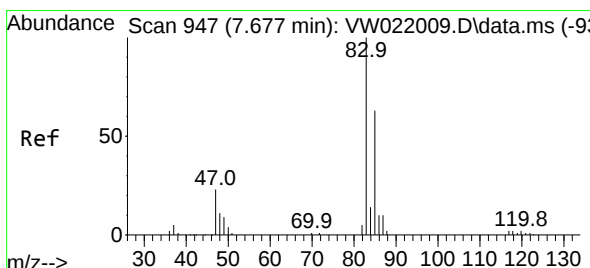
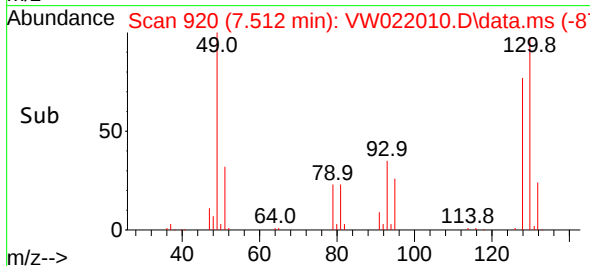
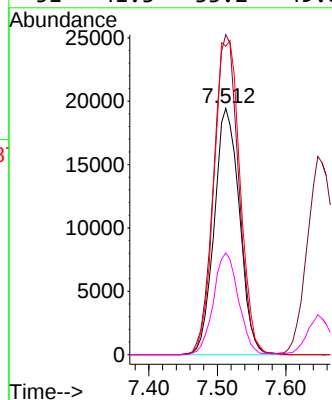
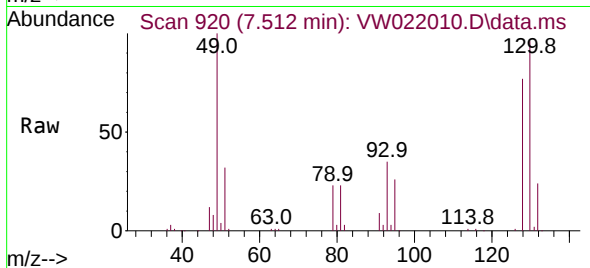




#23
Bromochloromethane
Concen: 45.231 ug/L
RT: 7.512 min Scan# 91
Delta R.T. -0.000 min
Lab File: VW022010.D
Acq: 01 Feb 2022 16:04

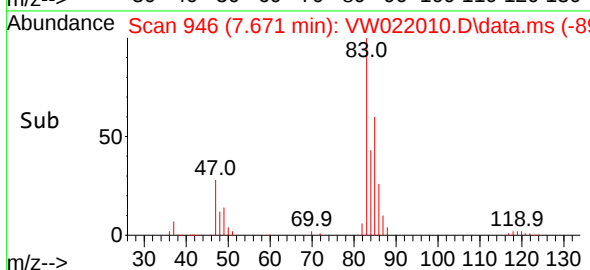
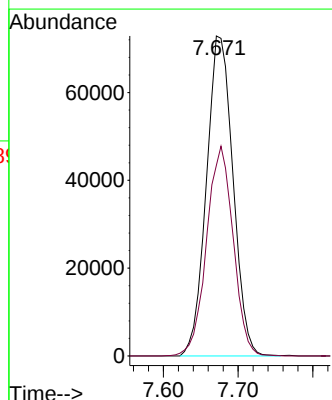
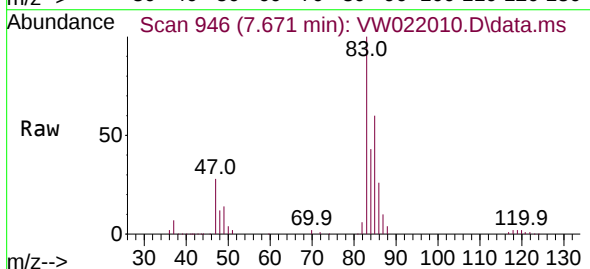
Instrument :
MSVOA_W
ClientSampleId :
VSTD050453

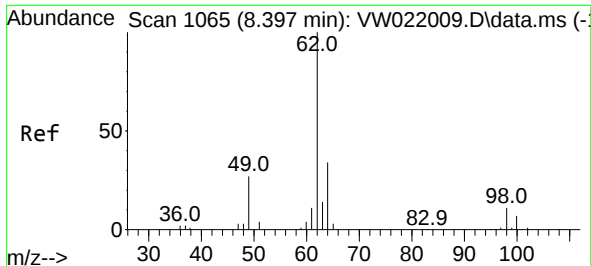
Tgt Ion:	128	Resp:	49569
Ion	Ratio	Lower	Upper
128	100		
49	129.9	92.7	172.3
130	125.3	92.5	171.7
51	41.3	33.2	49.8



#25
Chloroform
Concen: 47.424 ug/L
RT: 7.671 min Scan# 946
Delta R.T. -0.006 min
Lab File: VW022010.D
Acq: 01 Feb 2022 16:04

Tgt Ion:	83	Resp:	180380
Ion	Ratio	Lower	Upper
83	100		
85	59.6	44.2	82.2





#27

1,2-Dichloroethane

Concen: 47.209 ug/L

RT: 8.396 min Scan# 1065

Delta R.T. -0.000 min

Lab File: VW022010.D

Acq: 01 Feb 2022 16:04

Instrument :

MSVOA_W

ClientSampleId :

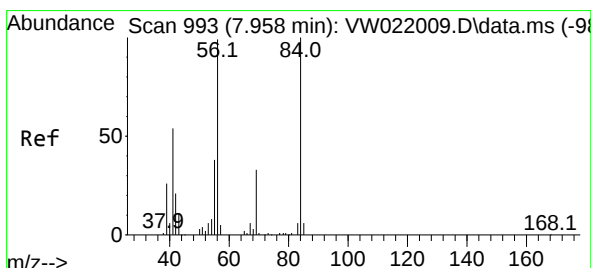
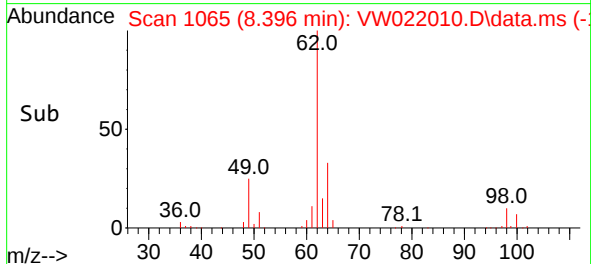
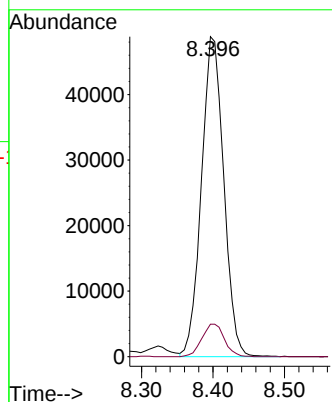
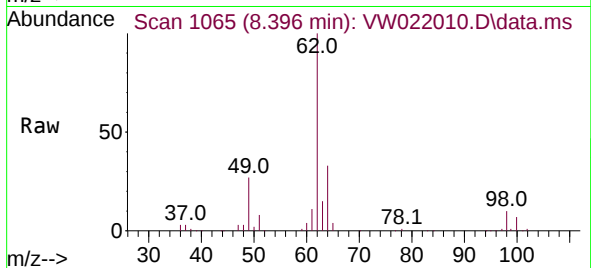
VSTD050453

Tgt Ion: 62 Resp: 105881

Ion Ratio Lower Upper

62 100

98 10.1 8.8 13.2



#29

Cyclohexane

Concen: 49.575 ug/L

RT: 7.957 min Scan# 993

Delta R.T. -0.000 min

Lab File: VW022010.D

Acq: 01 Feb 2022 16:04

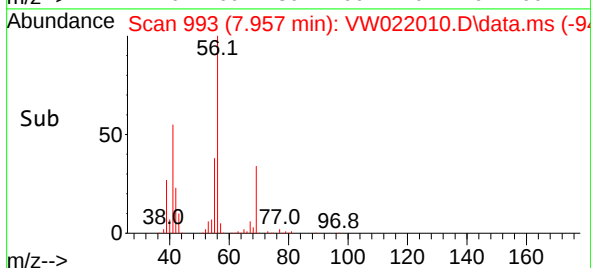
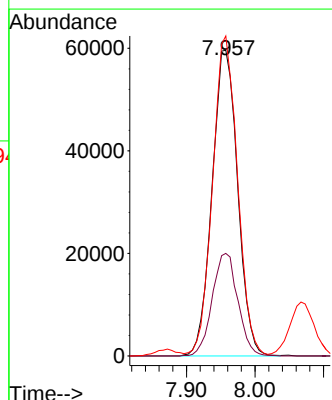
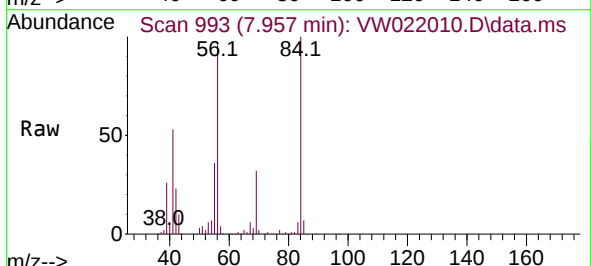
Tgt Ion: 56 Resp: 154743

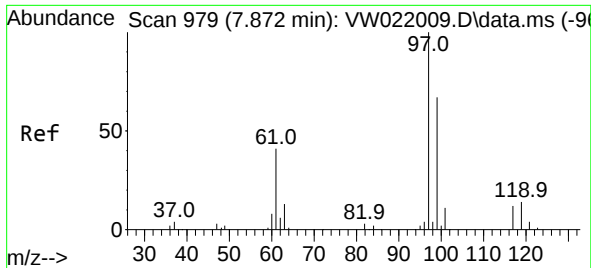
Ion Ratio Lower Upper

56 100

69 33.5 26.3 39.5

84 101.9 82.3 123.5

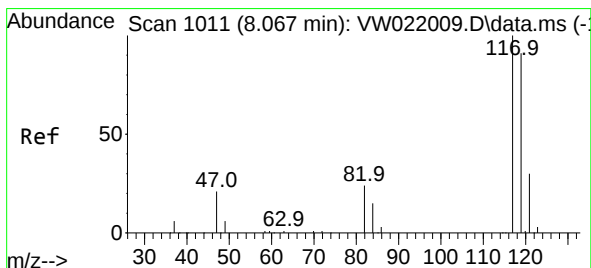
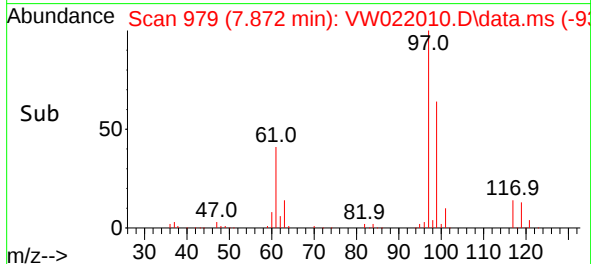
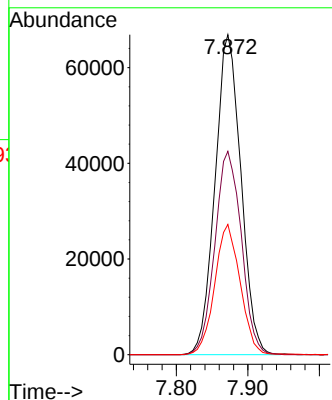
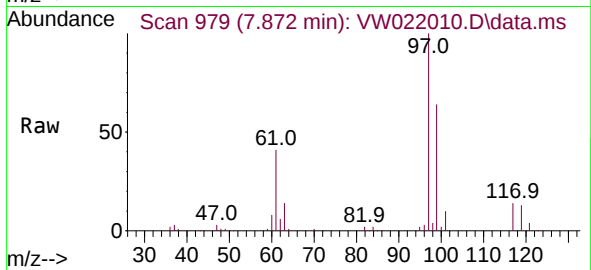




#30
1,1,1-Trichloroethane
Concen: 47.816 ug/L
RT: 7.872 min Scan# 91
Delta R.T. -0.000 min
Lab File: VW022010.D
Acq: 01 Feb 2022 16:04

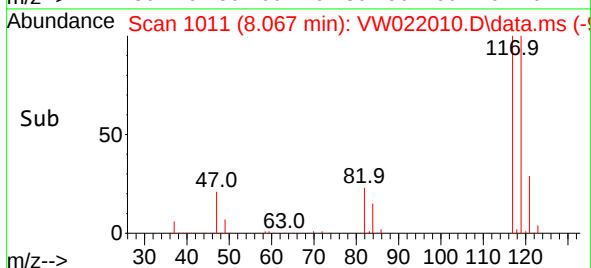
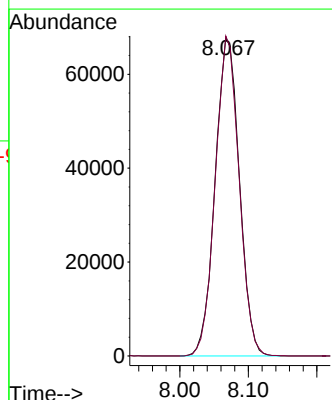
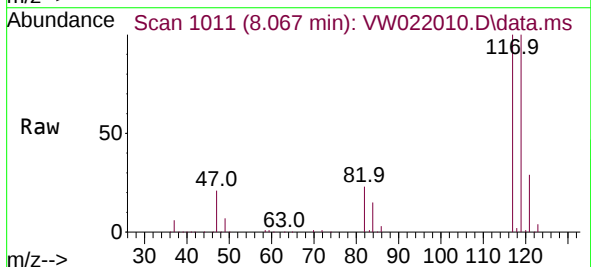
Instrument :
MSVOA_W
ClientSampleId :
VSTD050453

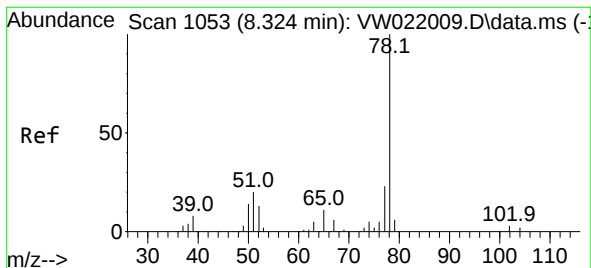
Tgt Ion: 97 Resp: 168265
Ion Ratio Lower Upper
97 100
99 64.9 51.6 77.4
61 40.0 32.3 48.5



#31
Carbon tetrachloride
Concen: 48.319 ug/L
RT: 8.067 min Scan# 1011
Delta R.T. -0.000 min
Lab File: VW022010.D
Acq: 01 Feb 2022 16:04

Tgt Ion: 117 Resp: 166429
Ion Ratio Lower Upper
117 100
119 98.6 74.7 112.1





#33

Benzene

Concen: 47.317 ug/L

RT: 8.323 min Scan# 1053

Delta R.T. -0.000 min

Lab File: VW022010.D

Acq: 01 Feb 2022 16:04

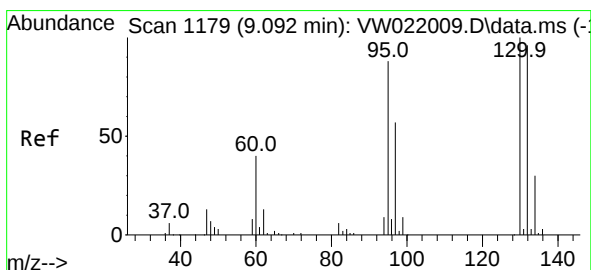
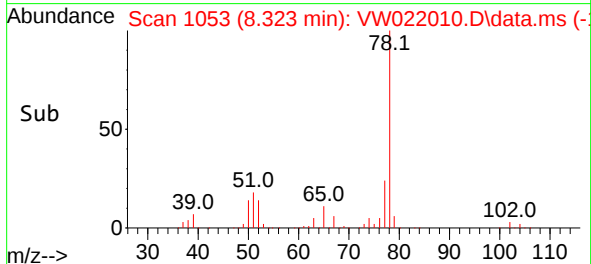
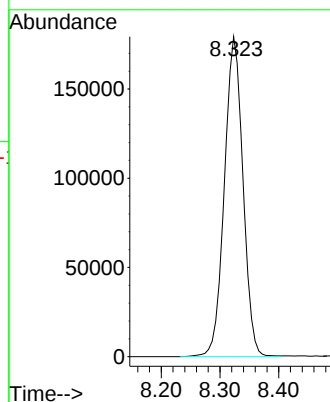
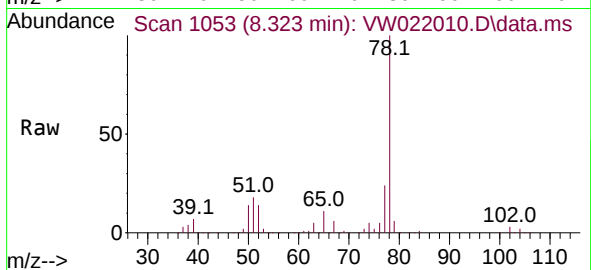
Instrument :

MSVOA_W

ClientSampleId :

VSTD050453

Tgt Ion: 78 Resp: 394489



#34

Trichloroethene

Concen: 47.662 ug/L

RT: 9.091 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VW022010.D

Acq: 01 Feb 2022 16:04

Tgt Ion: 95 Resp: 112977

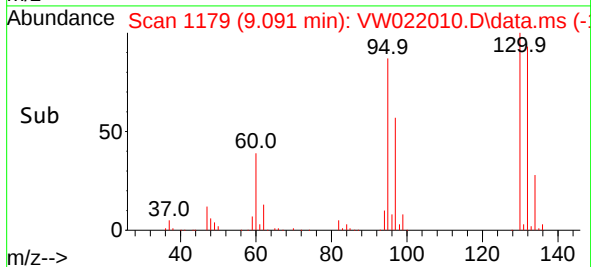
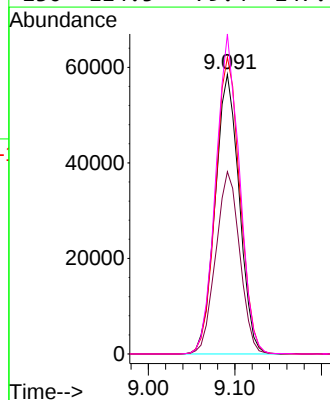
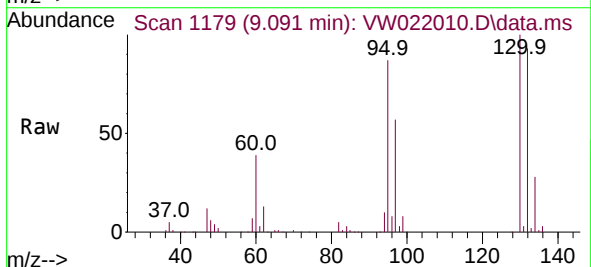
Ion Ratio Lower Upper

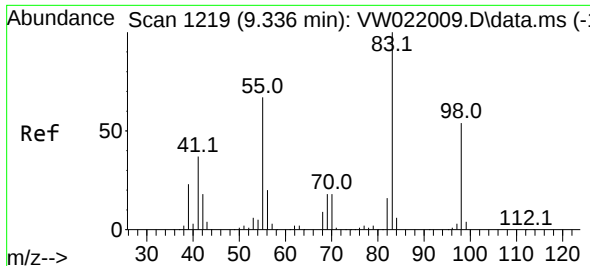
95 100

97 65.2 45.1 83.7

132 106.2 76.1 141.3

130 114.5 79.4 147.4

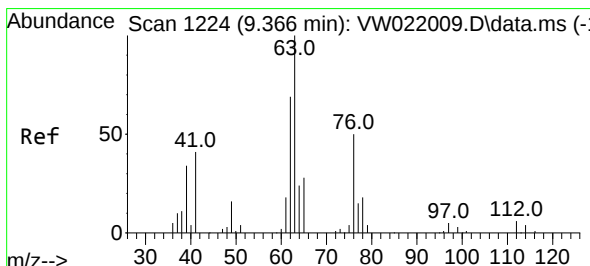
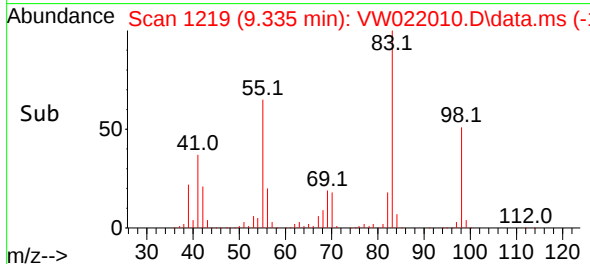
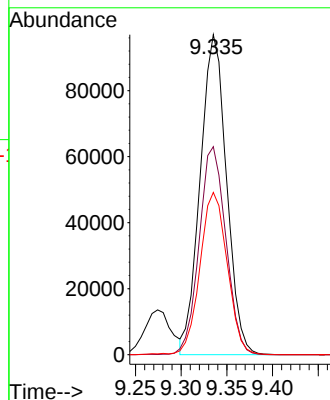
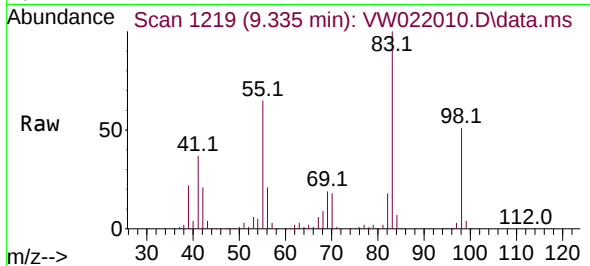




#35
Methylcyclohexane
Concen: 48.550 ug/L
RT: 9.335 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW022010.D
Acq: 01 Feb 2022 16:04

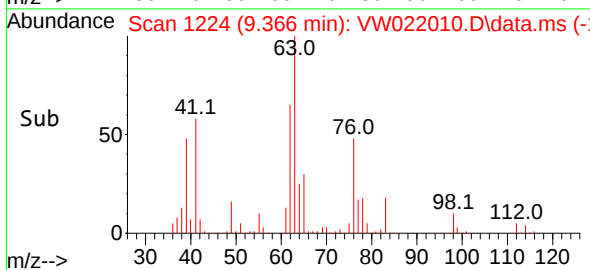
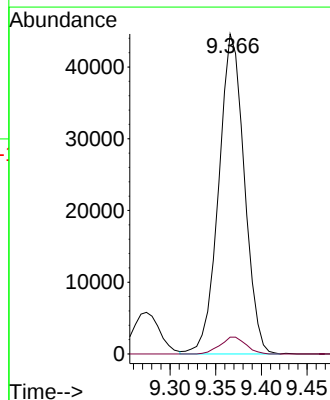
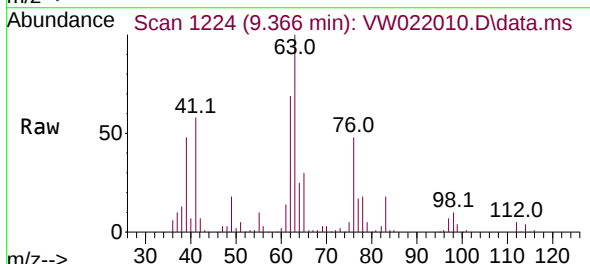
Instrument :
MSVOA_W
ClientSampleId :
VSTD050453

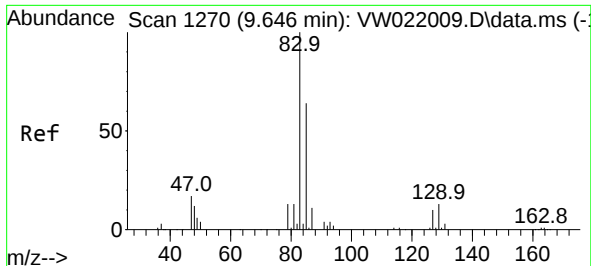
Tgt Ion: 83 Resp: 194151
Ion Ratio Lower Upper
83 100
55 65.9 53.4 80.2
98 52.4 42.6 63.8



#37
1,2-Dichloropropane
Concen: 47.534 ug/L
RT: 9.366 min Scan# 1224
Delta R.T. -0.000 min
Lab File: VW022010.D
Acq: 01 Feb 2022 16:04

Tgt Ion: 63 Resp: 87040
Ion Ratio Lower Upper
63 100
112 5.3 4.7 7.1

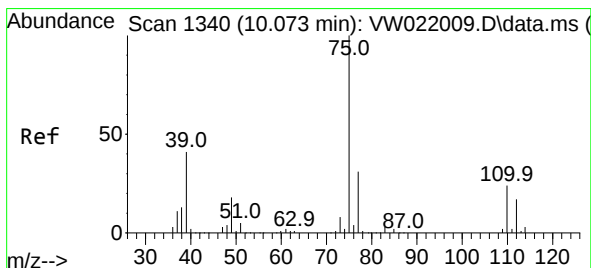
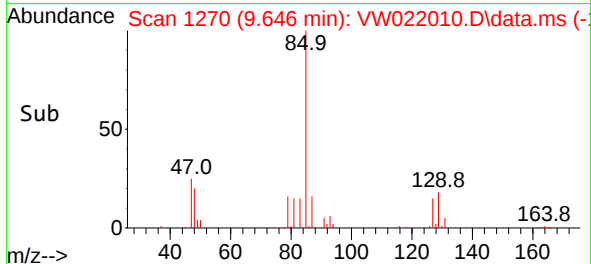
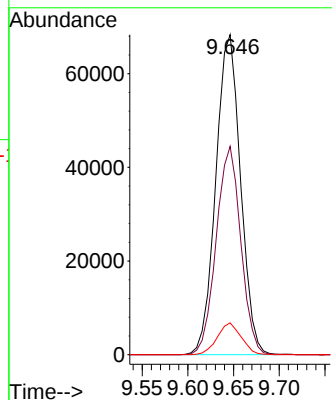
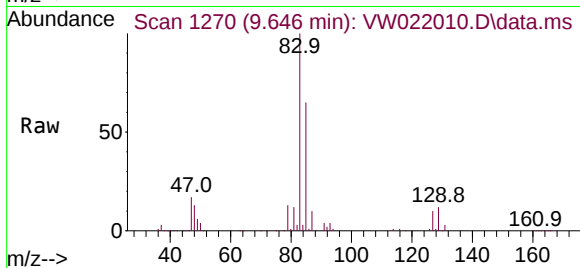




#38
Bromodichloromethane
Concen: 49.170 ug/L
RT: 9.646 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW022010.D
Acq: 01 Feb 2022 16:04

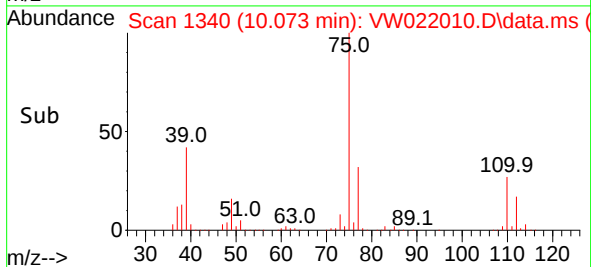
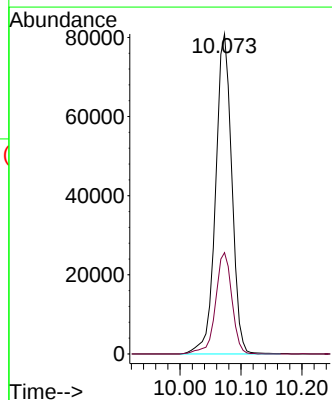
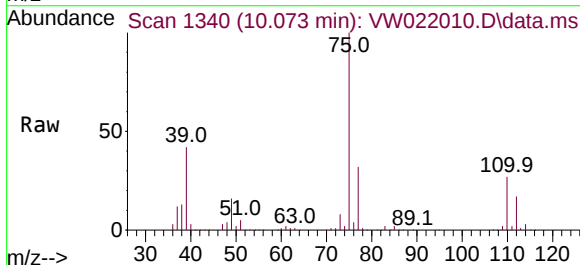
Instrument :
MSVOA_W
ClientSampleId :
VSTD050453

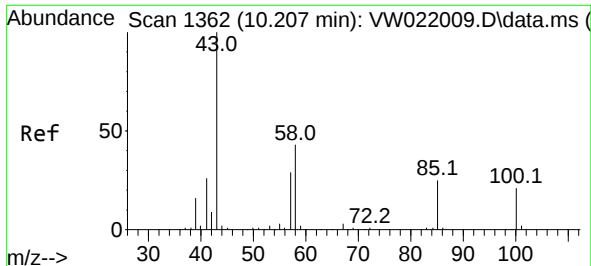
Tgt Ion: 83 Resp: 128579
Ion Ratio Lower Upper
83 100
85 65.1 44.7 83.1
127 9.9 7.8 11.6



#39
cis-1,3-Dichloropropene
Concen: 50.842 ug/L
RT: 10.073 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VW022010.D
Acq: 01 Feb 2022 16:04

Tgt Ion: 75 Resp: 149317
Ion Ratio Lower Upper
75 100
77 31.6 21.9 40.7





#40

4-Methyl-2-pentanone

Concen: 94.672 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. -0.000 min

Lab File: VW022010.D

Acq: 01 Feb 2022 16:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD050453

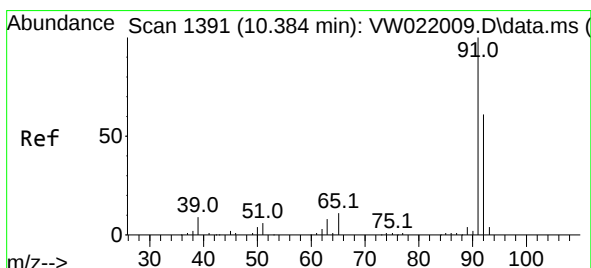
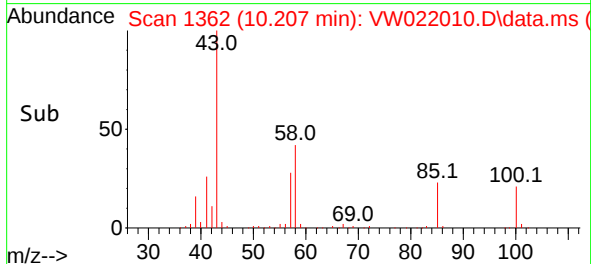
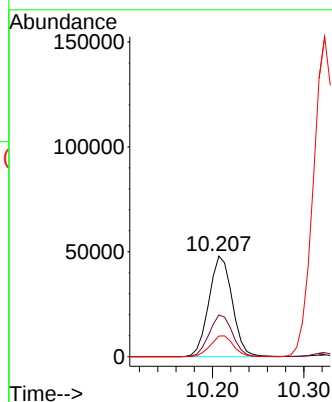
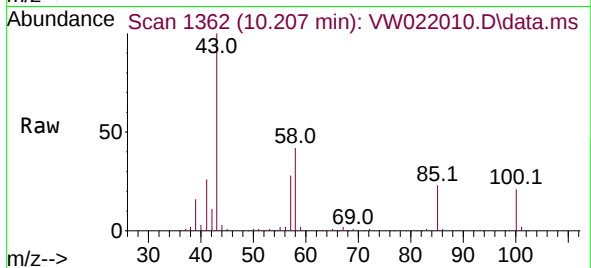
Tgt Ion: 43 Resp: 85054

Ion Ratio Lower Upper

43 100

58 41.6 34.4 51.6

100 20.6 17.0 25.4



#42

Toluene

Concen: 48.476 ug/L

RT: 10.384 min Scan# 1391

Delta R.T. -0.000 min

Lab File: VW022010.D

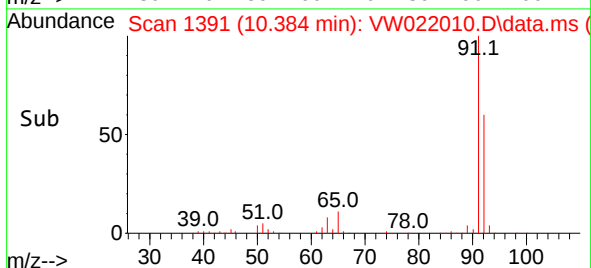
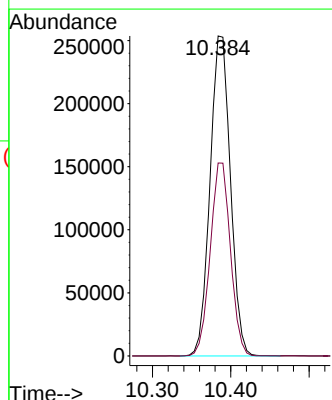
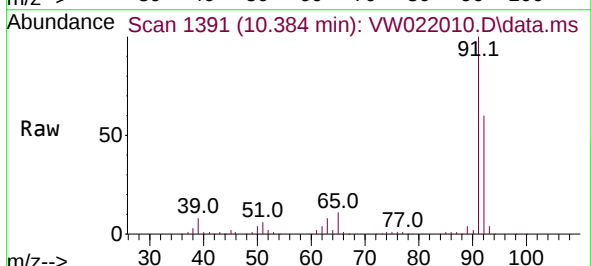
Acq: 01 Feb 2022 16:04

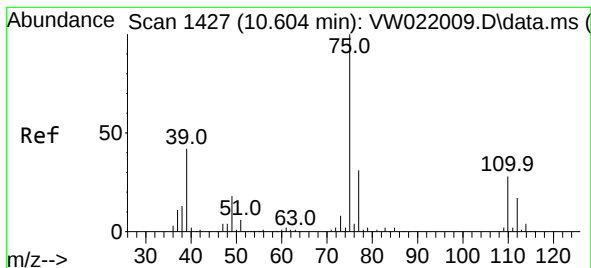
Tgt Ion: 91 Resp: 458118

Ion Ratio Lower Upper

91 100

92 60.3 42.6 79.2

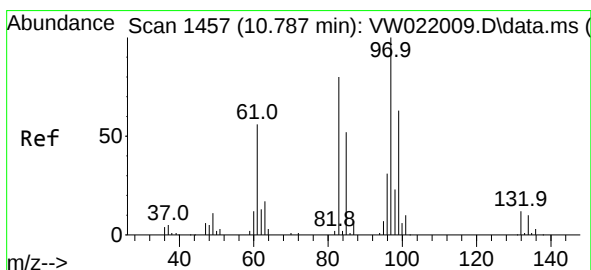
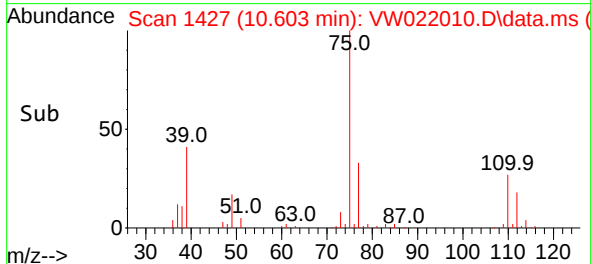
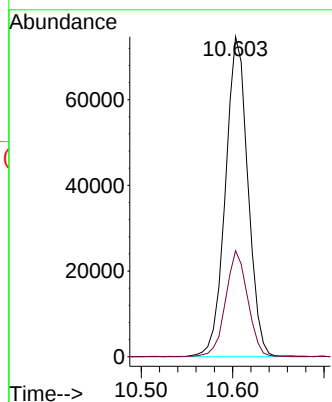
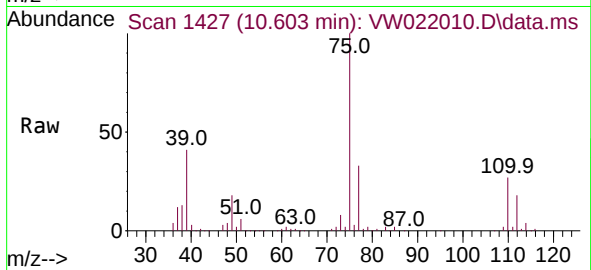




#44
trans-1,3-Dichloropropene
Concen: 50.438 ug/L
RT: 10.603 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VW022010.D
Acq: 01 Feb 2022 16:04

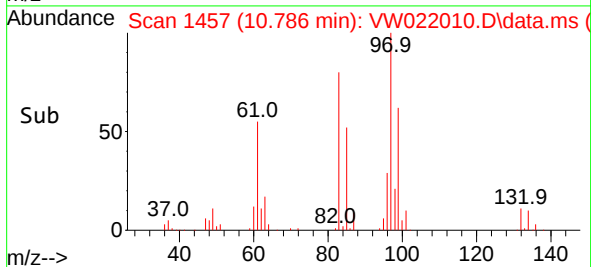
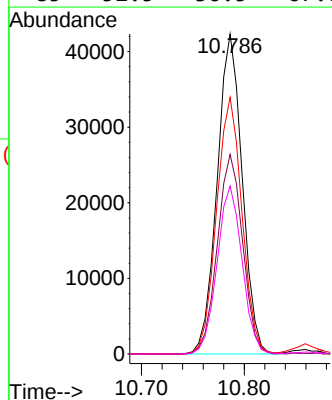
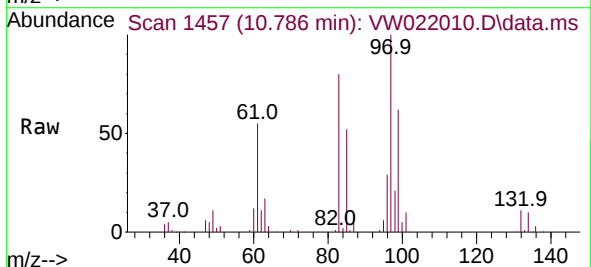
Instrument :
MSVOA_W
ClientSampleId :
VSTD050453

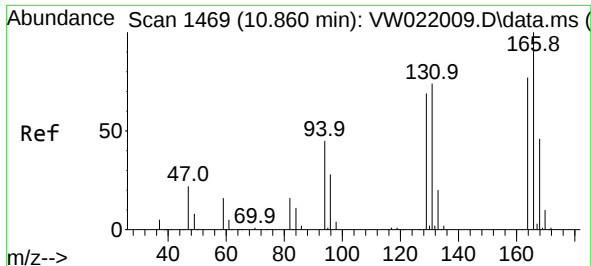
Tgt Ion: 75 Resp: 127699
Ion Ratio Lower Upper
75 100
77 33.1 22.1 41.1



#45
1,1,2-Trichloroethane
Concen: 46.024 ug/L
RT: 10.786 min Scan# 1457
Delta R.T. -0.000 min
Lab File: VW022010.D
Acq: 01 Feb 2022 16:04

Tgt Ion: 97 Resp: 71630
Ion Ratio Lower Upper
97 100
99 62.3 43.8 81.4
83 80.2 56.1 104.3
85 52.5 36.5 67.7

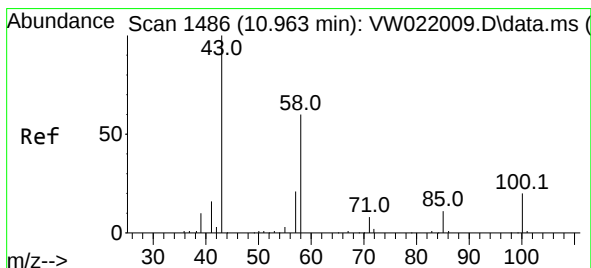
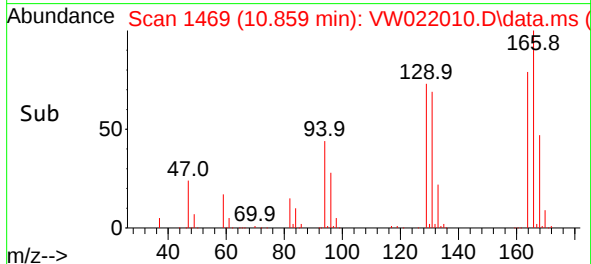
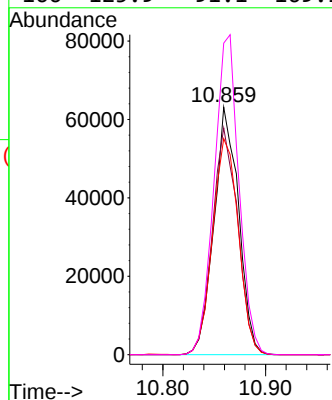
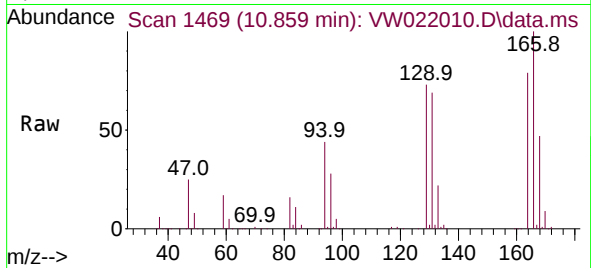




#46
Tetrachloroethene
Concen: 47.522 ug/L
RT: 10.859 min Scan# 1469
Delta R.T. -0.000 min
Lab File: VW022010.D
Acq: 01 Feb 2022 16:04

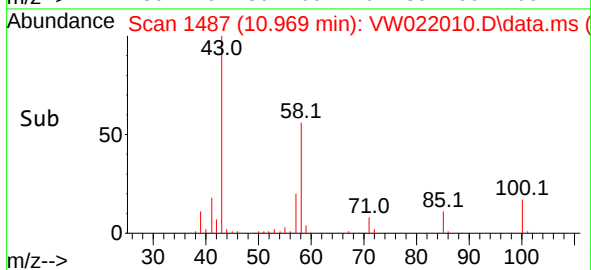
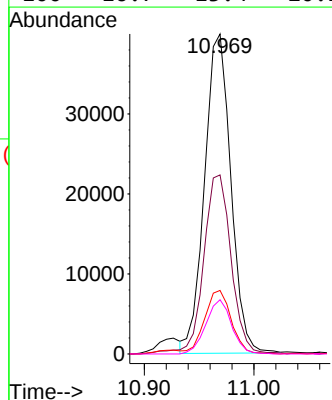
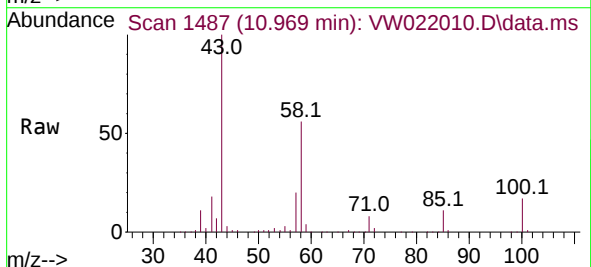
Instrument :
MSVOA_W
ClientSampleId :
VSTD050453

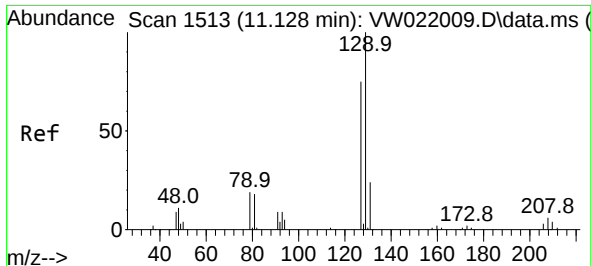
Tgt Ion:164 Resp: 104997
Ion Ratio Lower Upper
164 100
129 91.6 62.6 116.2
131 87.3 67.1 124.7
166 125.9 91.1 169.1



#48
2-Hexanone
Concen: 99.610 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. 0.006 min
Lab File: VW022010.D
Acq: 01 Feb 2022 16:04

Tgt Ion: 43 Resp: 66583
Ion Ratio Lower Upper
43 100
58 58.4 49.2 73.8
57 20.3 16.6 24.8
100 16.7 13.4 20.2





#49

Dibromochloromethane

Concen: 49.968 ug/L

RT: 11.128 min Scan# 1513

Delta R.T. -0.000 min

Lab File: VW022010.D

Acq: 01 Feb 2022 16:04

Instrument :

MSVOA_W

ClientSampleId :

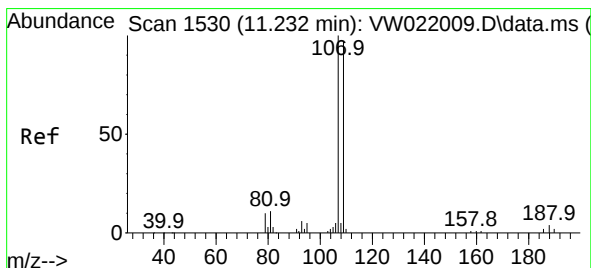
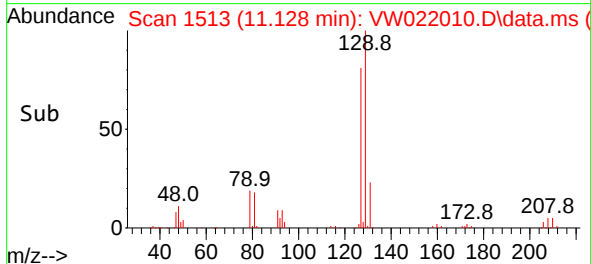
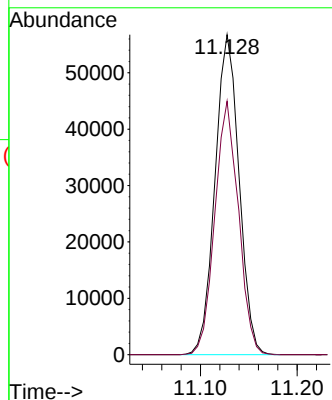
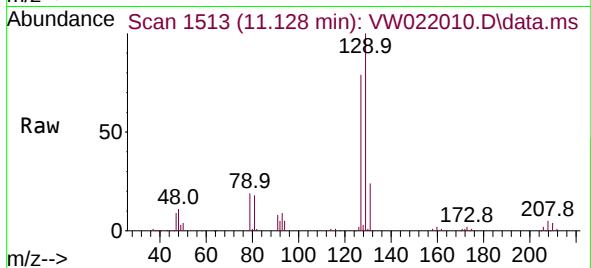
VSTD050453

Tgt Ion:129 Resp: 97930

Ion Ratio Lower Upper

129 100

127 79.2 52.6 97.6



#50

1,2-Dibromoethane

Concen: 47.140 ug/L

RT: 11.231 min Scan# 1530

Delta R.T. -0.000 min

Lab File: VW022010.D

Acq: 01 Feb 2022 16:04

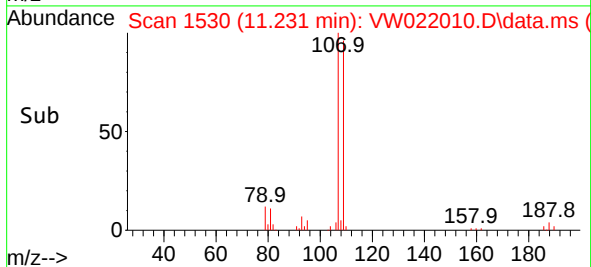
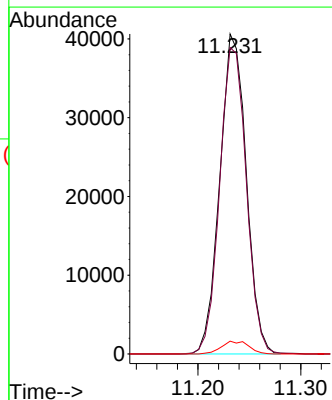
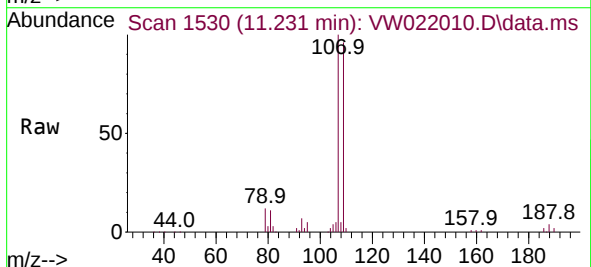
Tgt Ion:107 Resp: 72638

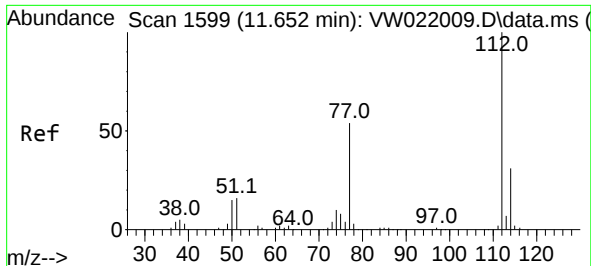
Ion Ratio Lower Upper

107 100

109 95.7 68.0 126.2

188 4.0 3.2 4.8

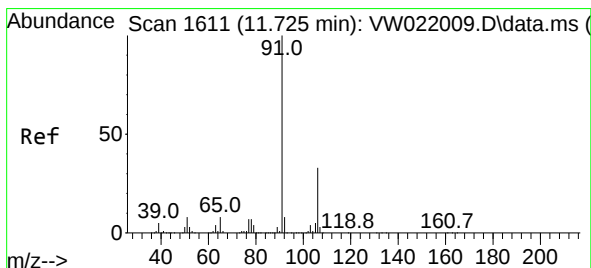
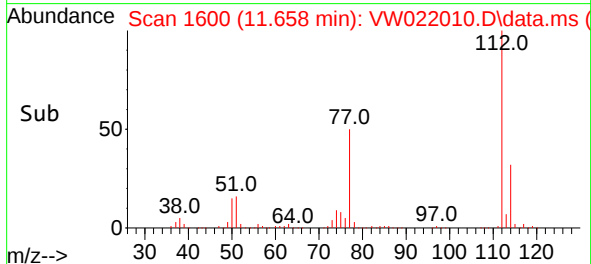
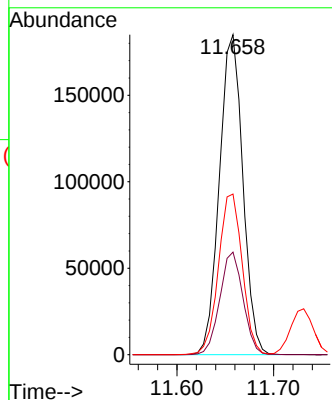
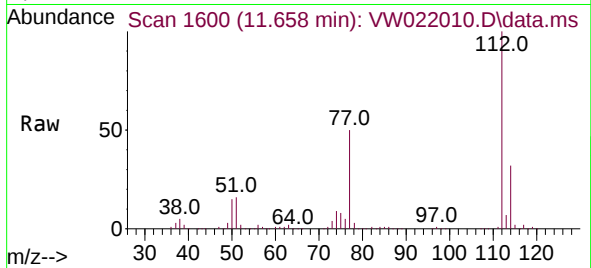




#51
Chlorobenzene
Concen: 48.345 ug/L
RT: 11.658 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW022010.D
Acq: 01 Feb 2022 16:04

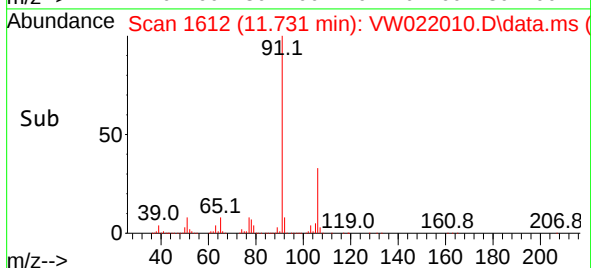
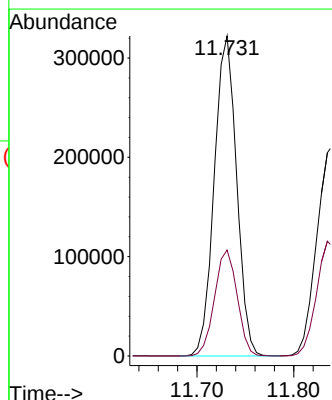
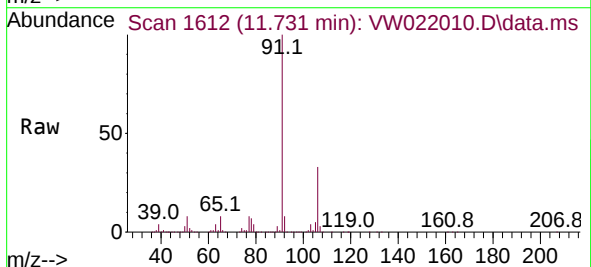
Instrument :
MSVOA_W
ClientSampleId :
VSTD050453

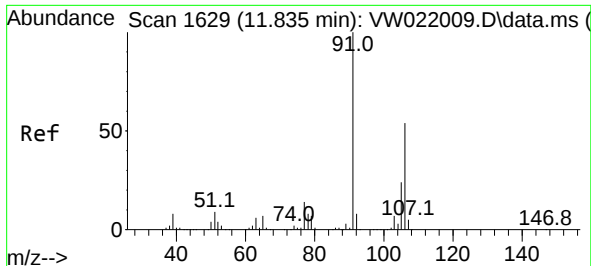
Tgt Ion:112 Resp: 310938
Ion Ratio Lower Upper
112 100
114 32.1 21.5 39.9
77 50.2 43.6 65.4



#52
Ethylbenzene
Concen: 49.526 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.006 min
Lab File: VW022010.D
Acq: 01 Feb 2022 16:04

Tgt Ion: 91 Resp: 516407
Ion Ratio Lower Upper
91 100
106 33.1 22.8 42.4

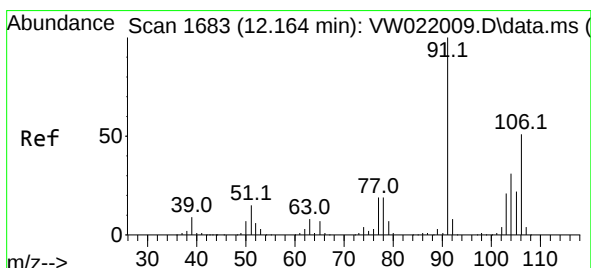
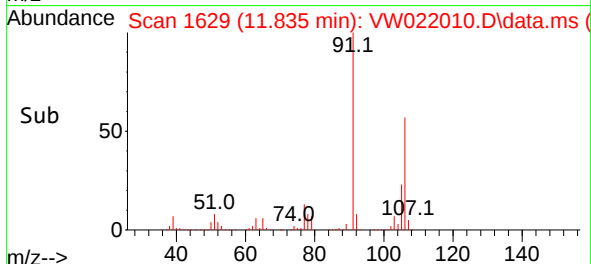
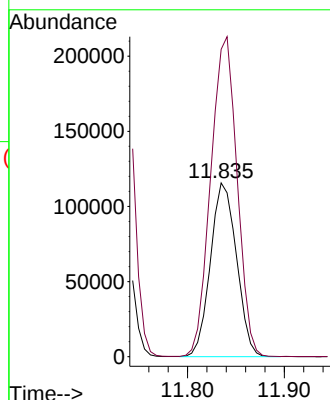
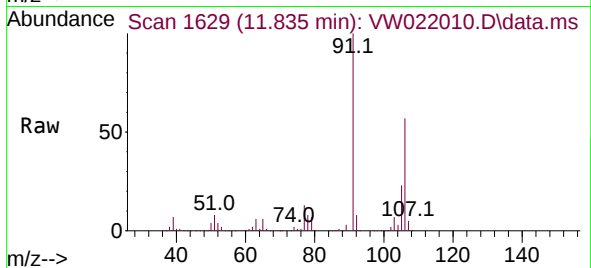




#53
m,p-Xylene
Concen: 50.068 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VW022010.D
Acq: 01 Feb 2022 16:04

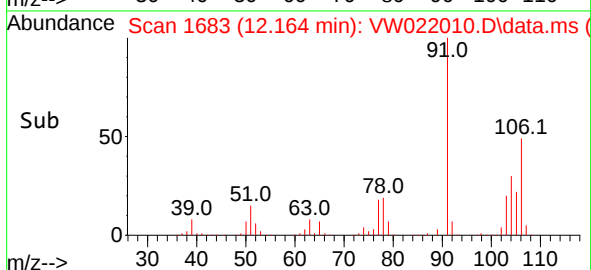
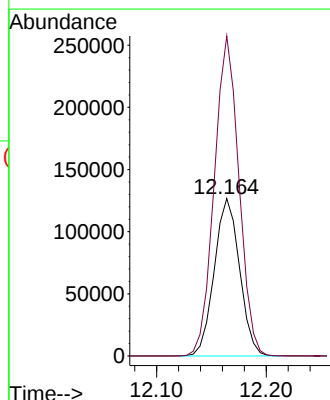
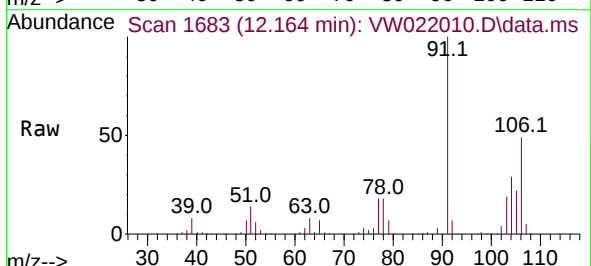
Instrument :
MSVOA_W
ClientSampleId :
VSTD050453

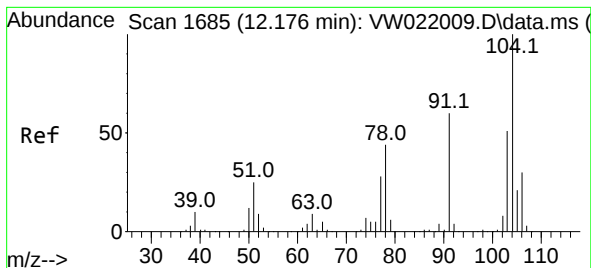
Tgt Ion:106 Resp: 216605
Ion Ratio Lower Upper
106 100
91 176.8 129.6 240.8



#54
o-Xylene
Concen: 50.087 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW022010.D
Acq: 01 Feb 2022 16:04

Tgt Ion:106 Resp: 202699
Ion Ratio Lower Upper
106 100
91 203.3 136.4 253.4





#55

Styrene

Concen: 51.241 ug/L

RT: 12.176 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW022010.D

Acq: 01 Feb 2022 16:04

Instrument :

MSVOA_W

ClientSampleId :

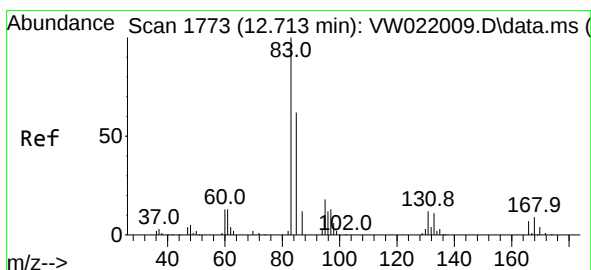
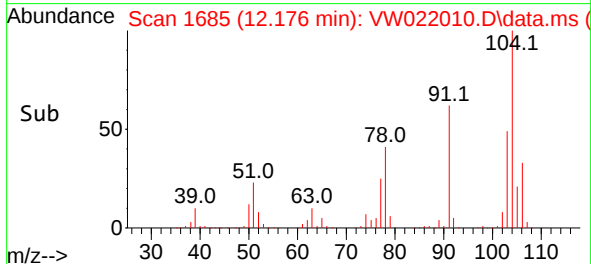
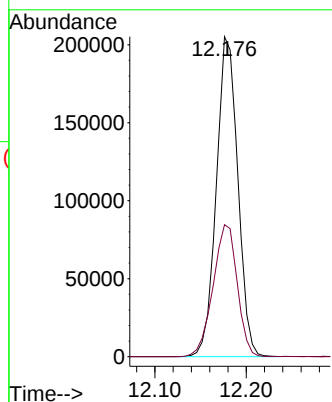
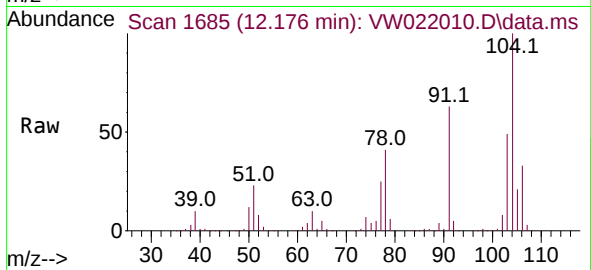
VSTD050453

Tgt Ion:104 Resp: 334960

Ion Ratio Lower Upper

104 100

78 41.2 30.9 57.5



#57

1,1,2,2-Tetrachloroethane

Concen: 45.748 ug/L

RT: 12.713 min Scan# 1773

Delta R.T. -0.000 min

Lab File: VW022010.D

Acq: 01 Feb 2022 16:04

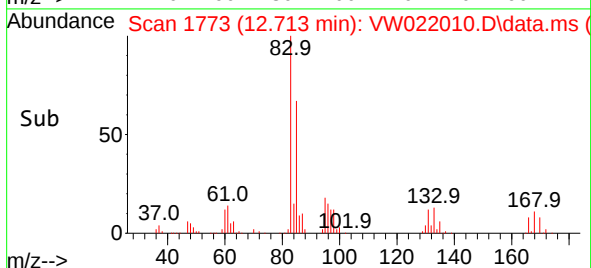
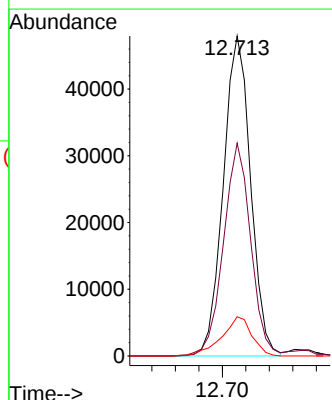
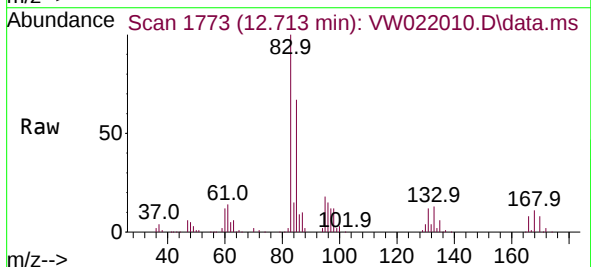
Tgt Ion: 83 Resp: 77499

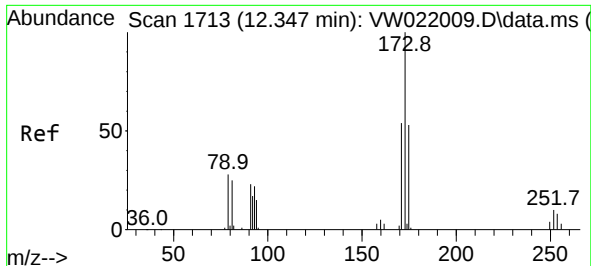
Ion Ratio Lower Upper

83 100

85 66.5 43.8 81.3

131 12.3 9.8 14.8

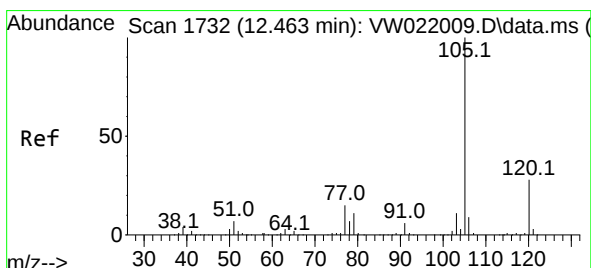
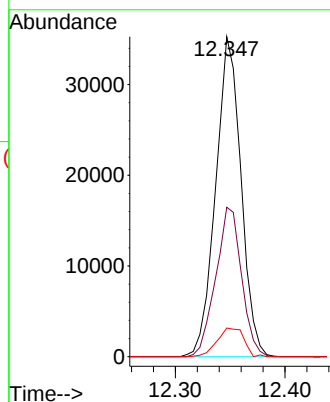
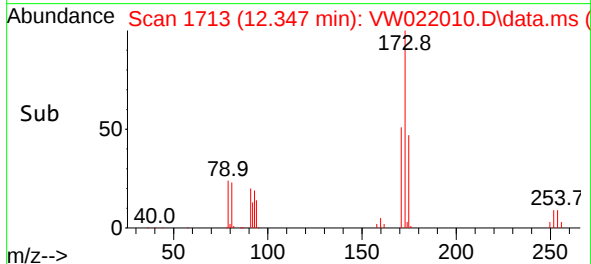
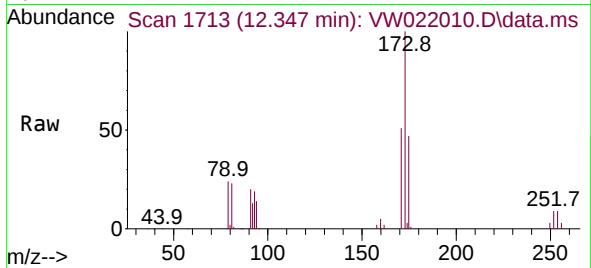




#59
Bromoform
Concen: 51.245 ug/L
RT: 12.347 min Scan# 1713
Delta R.T. -0.000 min
Lab File: VW022010.D
Acq: 01 Feb 2022 16:04

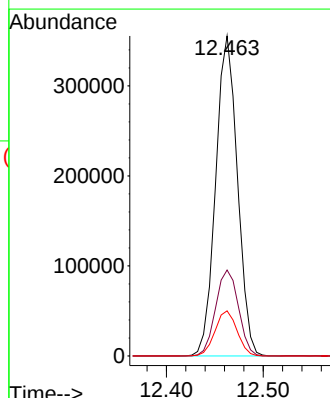
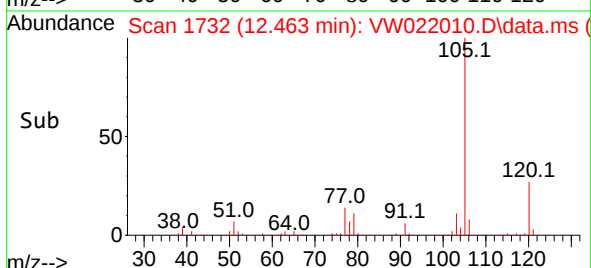
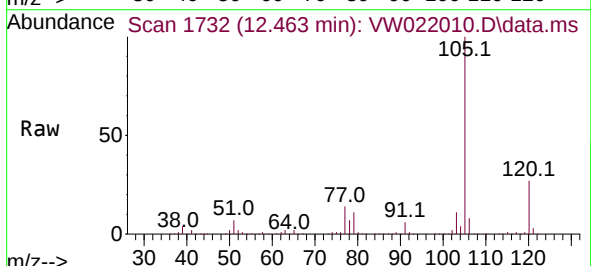
Instrument :
MSVOA_W
ClientSampleId :
VSTD050453

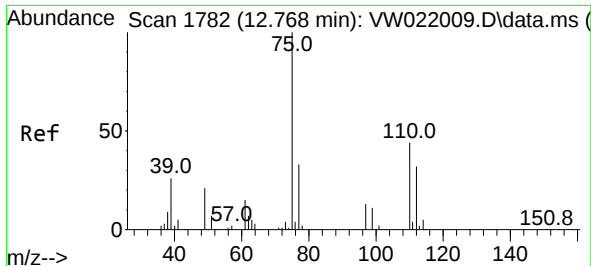
Tgt Ion:173 Resp: 56610
Ion Ratio Lower Upper
173 100
175 47.6 41.0 61.4
254 9.3 3.4 5.2#



#60
Isopropylbenzene
Concen: 50.803 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW022010.D
Acq: 01 Feb 2022 16:04

Tgt Ion:105 Resp: 555177
Ion Ratio Lower Upper
105 100
120 28.1 22.1 33.1
77 14.3 11.8 17.8

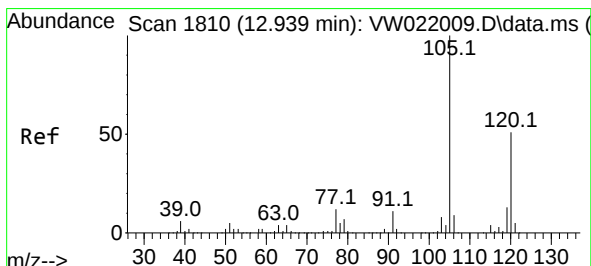
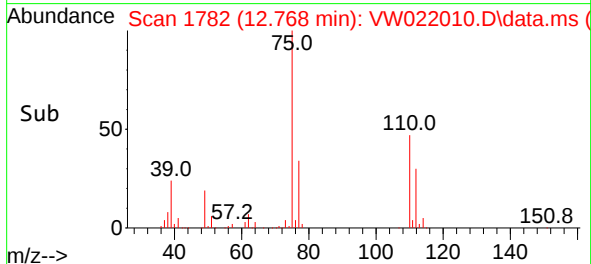
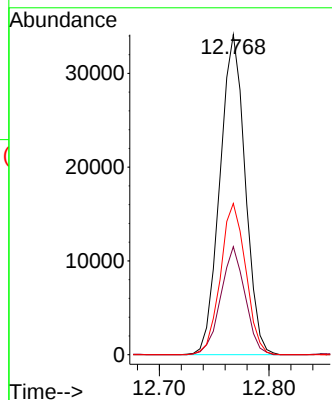
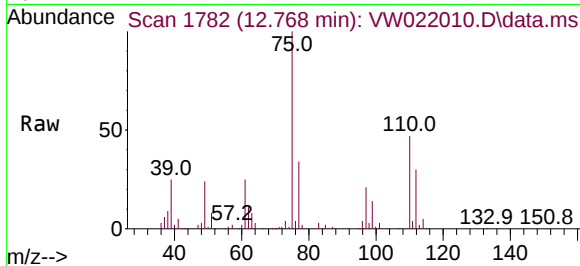




#61
1,2,3-Trichloropropane
Concen: 44.907 ug/L
RT: 12.768 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW022010.D
Acq: 01 Feb 2022 16:04

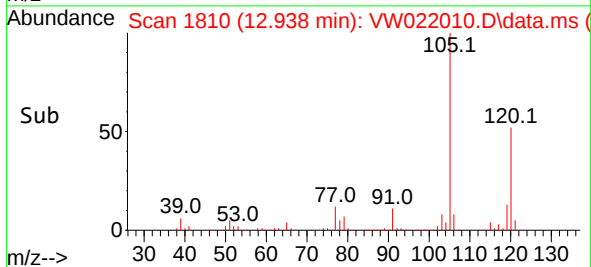
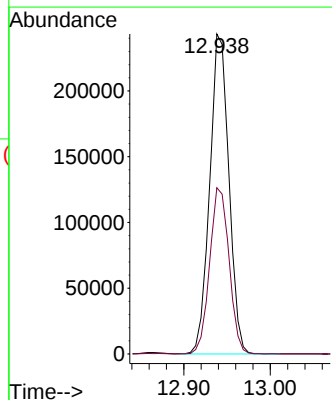
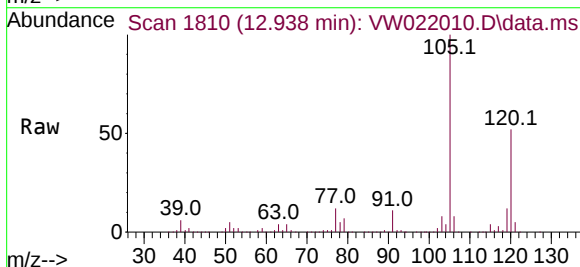
Instrument :
MSVOA_W
ClientSampleId :
VSTD050453

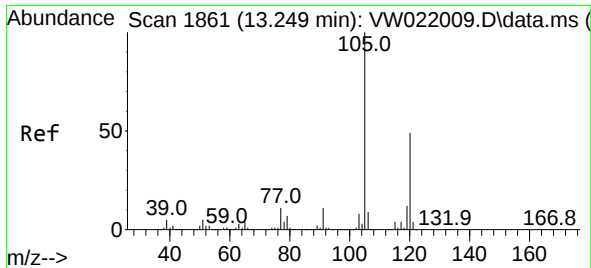
Tgt Ion: 75 Resp: 54720
Ion Ratio Lower Upper
75 100
77 32.4 27.3 40.9
110 47.1 36.4 54.6



#62
1,3,5-Trimethylbenzene
Concen: 51.591 ug/L
RT: 12.938 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VW022010.D
Acq: 01 Feb 2022 16:04

Tgt Ion: 105 Resp: 373920
Ion Ratio Lower Upper
105 100
120 52.6 40.9 61.3

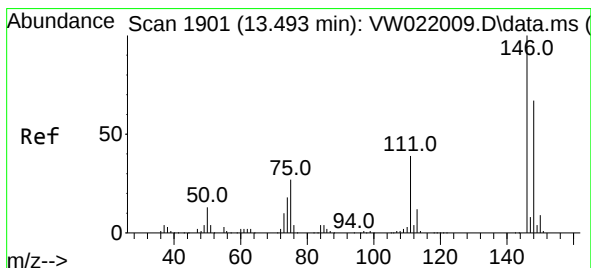
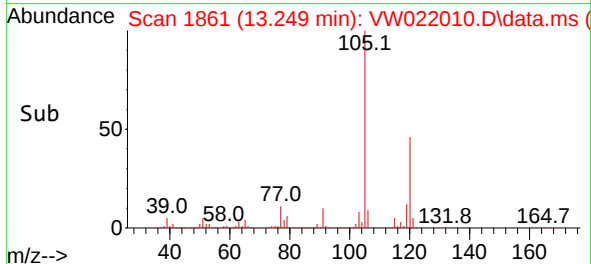
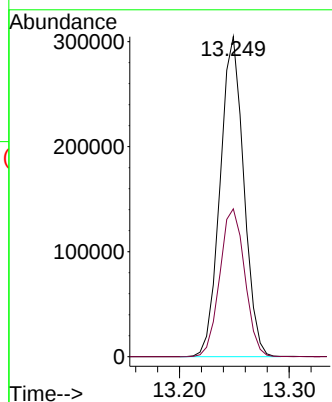
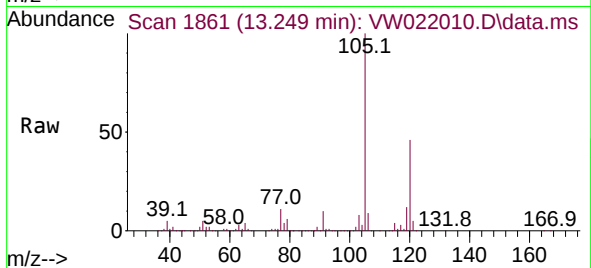




#63
1,2,4-Trimethylbenzene
Concen: 51.730 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW022010.D
Acq: 01 Feb 2022 16:04

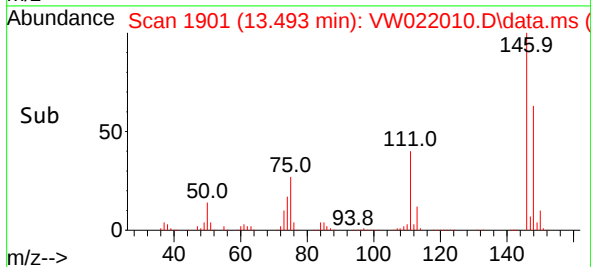
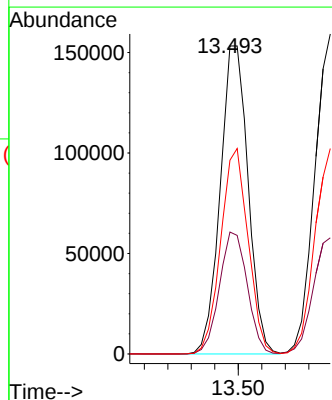
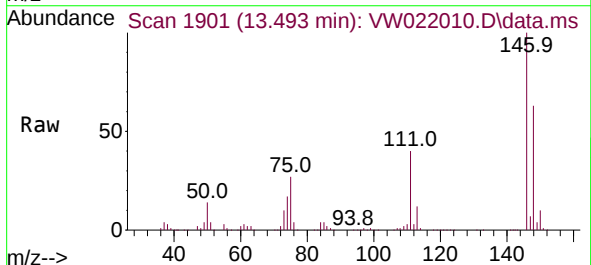
Instrument :
MSVOA_W
ClientSampleId :
VSTD050453

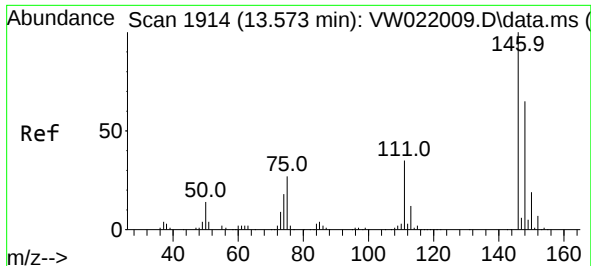
Tgt Ion:105 Resp: 456786
Ion Ratio Lower Upper
105 100
120 48.7 37.8 56.8



#64
1,3-Dichlorobenzene
Concen: 48.237 ug/L
RT: 13.493 min Scan# 1901
Delta R.T. -0.000 min
Lab File: VW022010.D
Acq: 01 Feb 2022 16:04

Tgt Ion:146 Resp: 252561
Ion Ratio Lower Upper
146 100
111 39.6 27.3 50.7
148 62.9 46.7 86.7

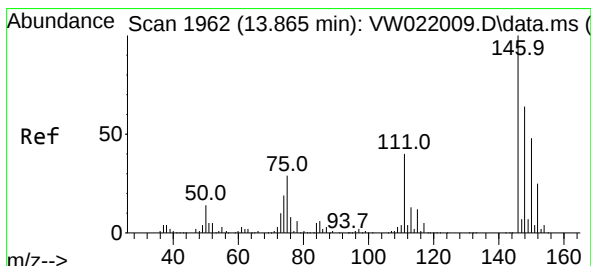
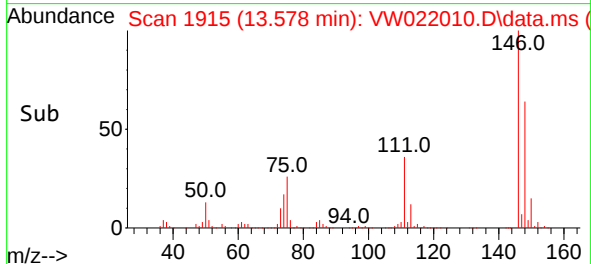
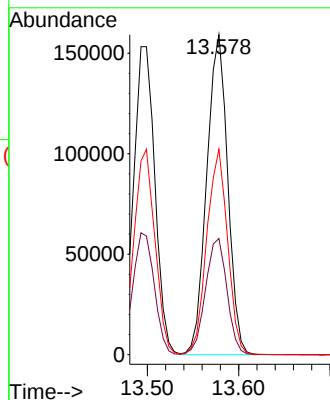
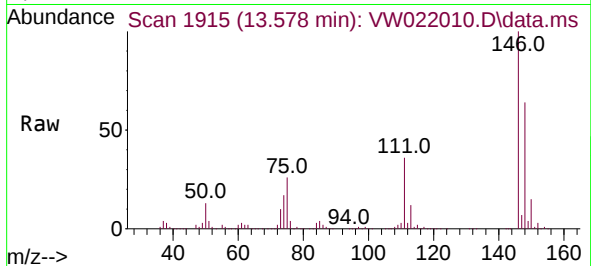




#65
1,4-Dichlorobenzene
Concen: 48.383 ug/L
RT: 13.578 min Scan# 1914
Delta R.T. 0.006 min
Lab File: VW022010.D
Acq: 01 Feb 2022 16:04

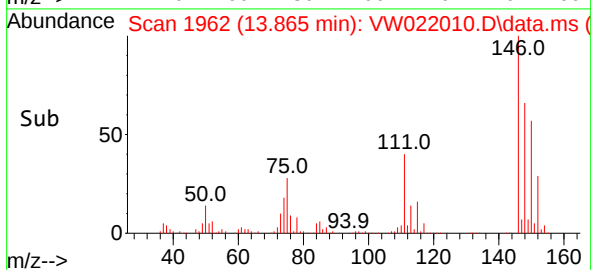
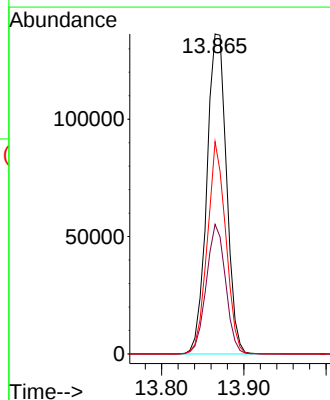
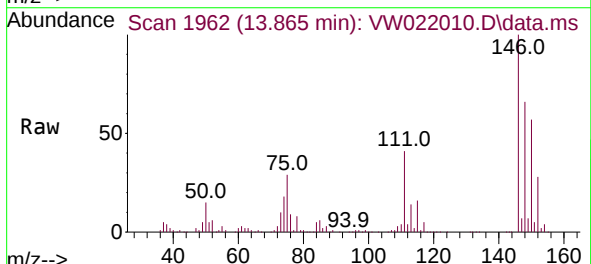
Instrument :
MSVOA_W
ClientSampleId :
VSTD050453

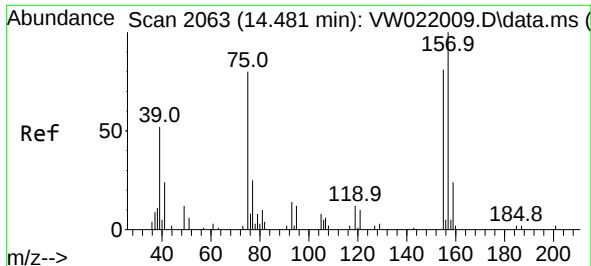
Tgt Ion:146 Resp: 253575
Ion Ratio Lower Upper
146 100
111 36.3 24.4 45.4
148 64.2 45.4 84.2



#67
1,2-Dichlorobenzene
Concen: 48.709 ug/L
RT: 13.865 min Scan# 1962
Delta R.T. -0.000 min
Lab File: VW022010.D
Acq: 01 Feb 2022 16:04

Tgt Ion:146 Resp: 226667
Ion Ratio Lower Upper
146 100
111 40.5 32.2 48.4
148 66.4 51.0 76.4





#68

1,2-Dibromo-3-chloropropane

Concen: 43.960 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VW022010.D

Acq: 01 Feb 2022 16:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD050453

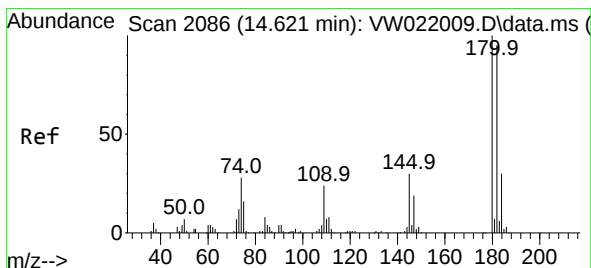
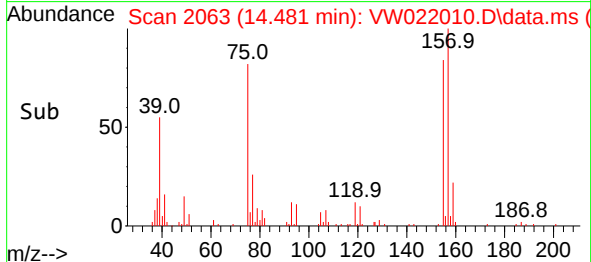
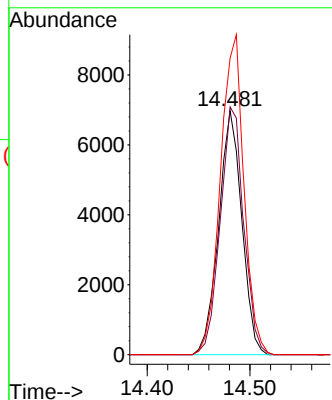
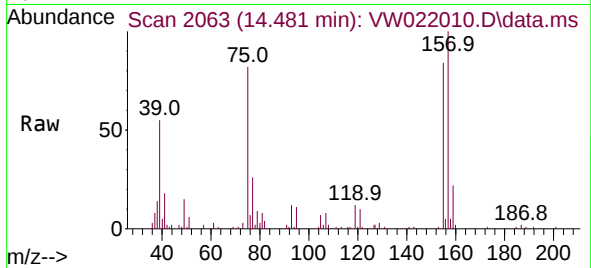
Tgt Ion: 75 Resp: 10898

Ion Ratio Lower Upper

75 100

155 101.6 80.9 121.3

157 121.7 100.3 150.5



#69

1,3,5-Trichlorobenzene

Concen: 50.416 ug/L

RT: 14.627 min Scan# 2087

Delta R.T. 0.006 min

Lab File: VW022010.D

Acq: 01 Feb 2022 16:04

Tgt Ion:180 Resp: 189786

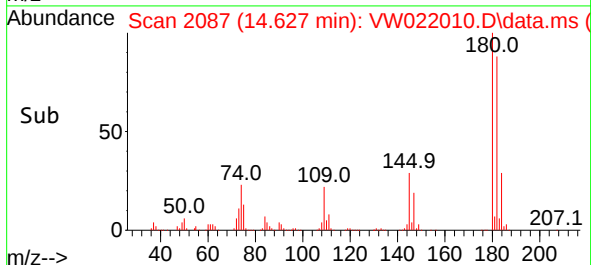
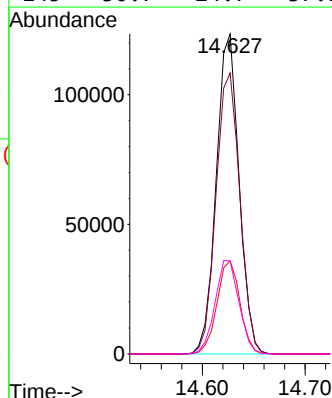
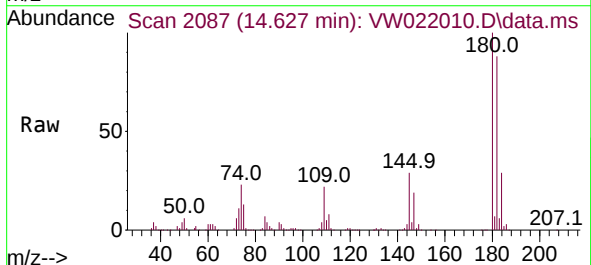
Ion Ratio Lower Upper

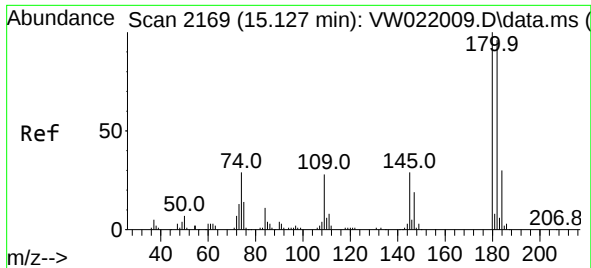
180 100

182 91.9 77.4 116.2

184 29.4 25.2 37.8

145 30.7 24.7 37.1

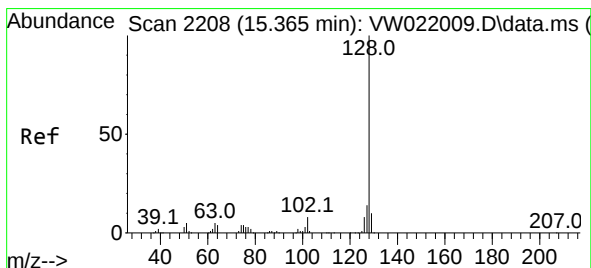
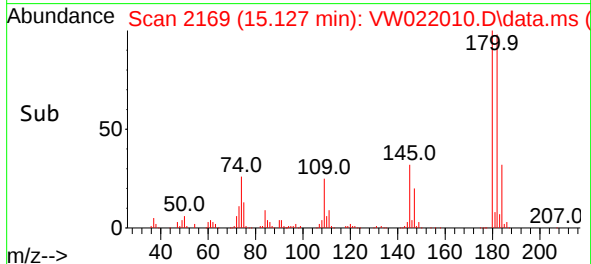
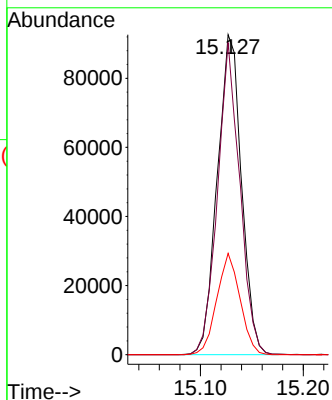
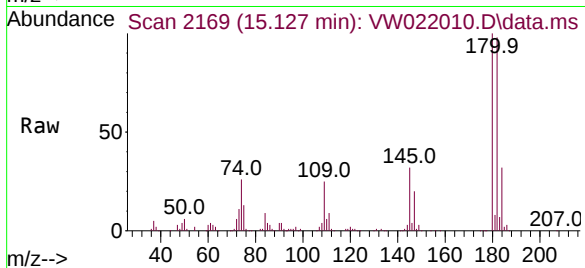




#70
1,2,4-trichlorobenzene
Concen: 50.631 ug/L
RT: 15.127 min Scan# 2169
Delta R.T. -0.000 min
Lab File: VW022010.D
Acq: 01 Feb 2022 16:04

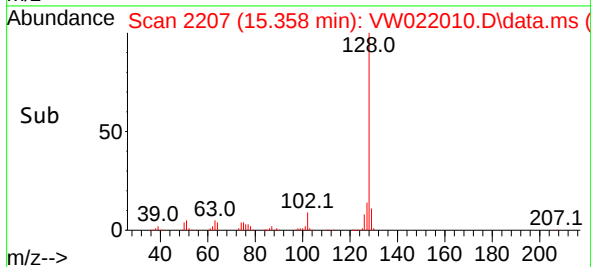
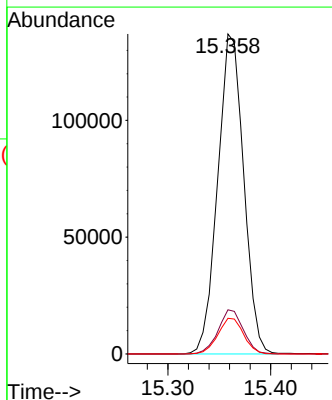
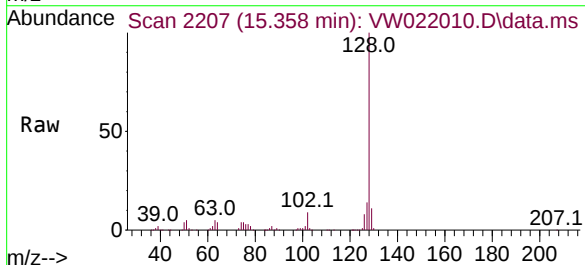
Instrument :
MSVOA_W
ClientSampleId :
VSTD050453

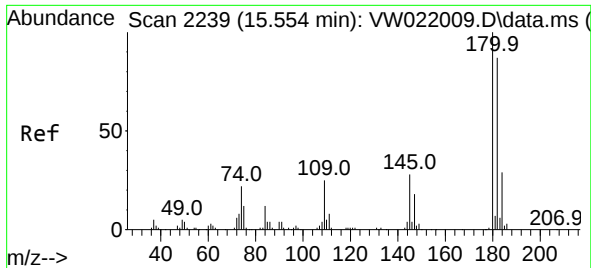
Tgt Ion:180 Resp: 151393
Ion Ratio Lower Upper
180 100
182 89.7 74.6 111.8
145 30.4 25.0 37.6



#71
Naphthalene
Concen: 49.284 ug/L
RT: 15.358 min Scan# 2207
Delta R.T. -0.006 min
Lab File: VW022010.D
Acq: 01 Feb 2022 16:04

Tgt Ion:128 Resp: 240425
Ion Ratio Lower Upper
128 100
127 13.4 11.0 16.4
129 11.0 8.7 13.1





#72
 1,2,3-Trichlorobenzene
 Concen: 48.546 ug/L
 RT: 15.554 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VW022010.D
 Acq: 01 Feb 2022 16:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD050453

Tgt Ion:180 Resp: 124068
 Ion Ratio Lower Upper
 180 100
 182 94.2 78.6 118.0
 145 32.6 27.3 40.9

