

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW053023\
 Data File : VW026083.D
 Acq On : 30 May 2023 12:10
 Operator : SY/MD
 Sample : VSTD2.563
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5463

Quant Time: May 31 01:29:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM053023SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed May 31 01:24:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	693352	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	604721	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	299050	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	21575	2.212	ug/L	0.00
7) Chloroethane-d5	2.899	69	16779	2.298	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.015	65	11874	2.469	ug/L	-0.01
21) 2-Butanone-d5	7.081	46	13533	4.766	ug/L	0.00
24) Chloroform-d	7.648	84	54588	2.689	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.307	65	31200	2.810	ug/L	0.00
32) Benzene-d6	8.276	84	109443	2.690	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.270	67	35520	2.755	ug/L	0.00
41) Toluene-d8	10.325	98	98788	2.738	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.581	79	14163	2.772	ug/L	0.00
47) 2-Hexanone-d5	10.928	63	9577	4.712	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.690	84	27452	2.926	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.849	152	31935	2.790	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.015	85	14642	1.757	ug/L	94
3) Chloromethane	2.223	50	25225	2.315	ug/L	96
5) Vinyl chloride	2.369	62	28745	2.467	ug/L	93
6) Bromomethane	2.790	94	17200	2.708	ug/L	95
8) Chloroethane	2.930	64	17620	2.799	ug/L	90
9) Trichlorofluoromethane	3.259	101	19107	2.549	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.088	101	23549	2.576	ug/L #	66
12) 1,1-Dichloroethene	4.045	96	24080	2.728	ug/L	78
13) Acetone	4.125	43	13726	6.247	ug/L	90
14) Carbon disulfide	4.393	76	85836	2.754	ug/L	99
15) Methyl Acetate	4.673	43	14772	2.995	ug/L	99
16) Methylene chloride	4.911	84	37377	3.378	ug/L	98
17) trans-1,2-Dichloroethene	5.423	96	27732	2.800	ug/L	96
18) Methyl tert-butyl Ether	5.423	73	43189	2.767	ug/L #	91
19) 1,1-Dichloroethane	6.222	63	56851	2.819	ug/L	97
20) cis-1,2-Dichloroethene	7.167	96	28526	2.719	ug/L	95
22) 2-Butanone	7.258	43	678	0.217	ug/L	98
23) Bromochloromethane	7.520	128	12939	2.892	ug/L	92
25) Chloroform	7.679	83	55096	2.934	ug/L	93
27) 1,2-Dichloroethane	8.398	62	38434	2.967	ug/L	95
29) Cyclohexane	7.953	56	48580	2.602	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	41463	2.825	ug/L	98
31) Carbon tetrachloride	8.069	117	38817	2.899	ug/L	97
33) Benzene	8.325	78	121019	2.921	ug/L	100
34) Trichloroethene	9.087	95	30736	2.898	ug/L	89
35) Methylcyclohexane	9.337	83	48101	2.563	ug/L	96
37) 1,2-Dichloropropane	9.368	63	33017	2.943	ug/L	99
38) Bromodichloromethane	9.642	83	38022	2.917	ug/L	99
39) cis-1,3-Dichloropropene	10.075	75	43679	2.649	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	34692	5.244	ug/L	99
42) Toluene	10.386	91	118256	2.791	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	36979	2.692	ug/L	91

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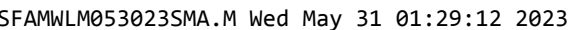
Quant Time: May 31 01:29:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM053023SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed May 31 01:24:42 2023
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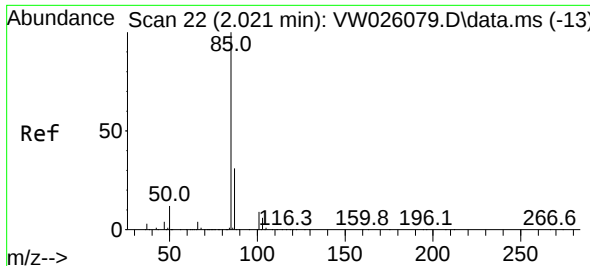
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	10.788	97	22527	3.046	ug/L	97
46) Tetrachloroethene	10.861	164	21245	2.832	ug/L	90
48) 2-Hexanone	10.971	43	25360	5.437	ug/L	97
49) Dibromochloromethane	11.130	129	21973	2.834	ug/L	92
50) 1,2-Dibromoethane	11.233	107	20409	2.981	ug/L	91
51) Chlorobenzene	11.654	112	80295	3.024	ug/L	98
52) Ethylbenzene	11.727	91	133220	2.787	ug/L	99
53) m,p-Xylene	11.837	106	48753	2.742	ug/L	96
54) o-Xylene	12.166	106	46269	2.757	ug/L	100
55) Styrene	12.178	104	78176	2.715	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.715	83	27397	3.061	ug/L	95
59) Bromoform	12.349	173	13046	2.905	ug/L	98
60) Isopropylbenzene	12.459	105	127475	2.713	ug/L	100
61) 1,2,3-Trichloropropane	12.763	75	20512	3.062	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	95615	2.560	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	87606	2.561	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	57049	2.888	ug/L	97
65) 1,4-Dichlorobenzene	13.574	146	58342	2.934	ug/L	93
67) 1,2-Dichlorobenzene	13.867	146	52627	2.967	ug/L	93
68) 1,2-Dibromo-3-chloropr...	14.476	75	4773	3.075	ug/L #	90
69) 1,3,5-Trichlorobenzene	14.629	180	39518	2.912	ug/L	95
70) 1,2,4-trichlorobenzene	15.129	180	31547	2.818	ug/L	97
71) Naphthalene	15.360	128	53240	2.668	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	29676	3.033	ug/L	98

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

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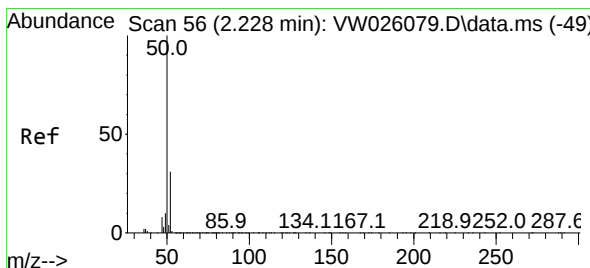
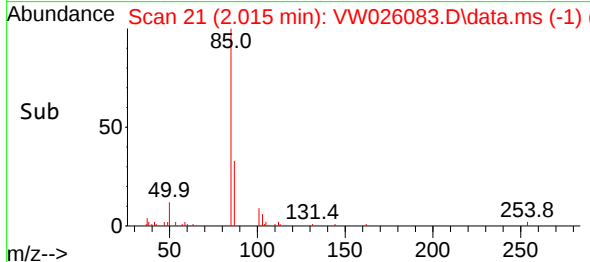
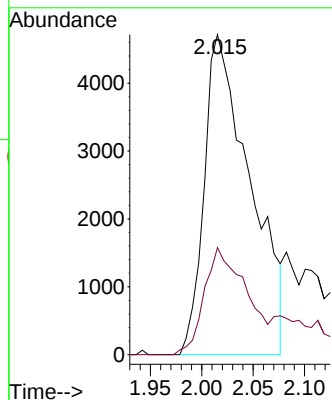
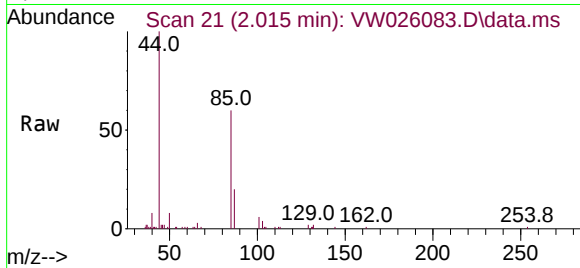




#2
 Dichlorodifluoromethane
 Concen: 1.757 ug/L
 RT: 2.015 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VW026083.D
 Acq: 30 May 2023 12:10

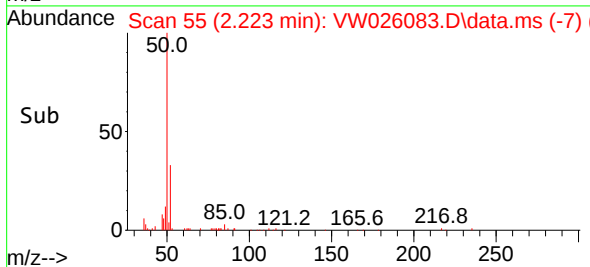
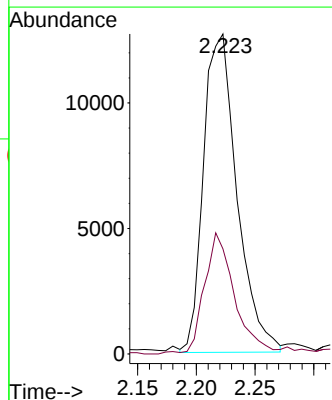
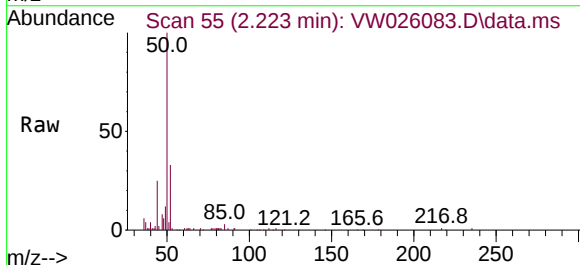
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5463

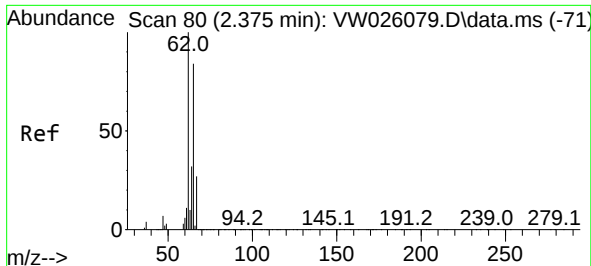
Tgt Ion: 85 Resp: 14642
 Ion Ratio Lower Upper
 85 100
 87 30.8 22.2 33.2



#3
 Chloromethane
 Concen: 2.315 ug/L
 RT: 2.223 min Scan# 55
 Delta R.T. -0.006 min
 Lab File: VW026083.D
 Acq: 30 May 2023 12:10

Tgt Ion: 50 Resp: 25225
 Ion Ratio Lower Upper
 50 100
 52 32.8 21.3 39.6

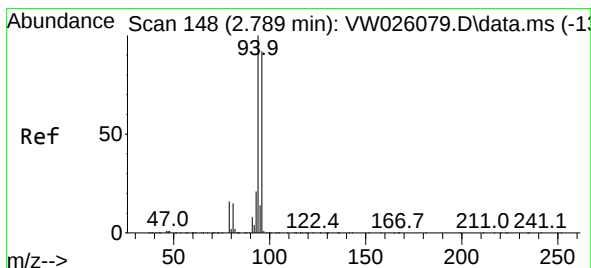
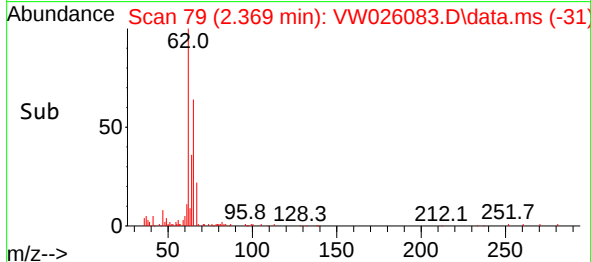
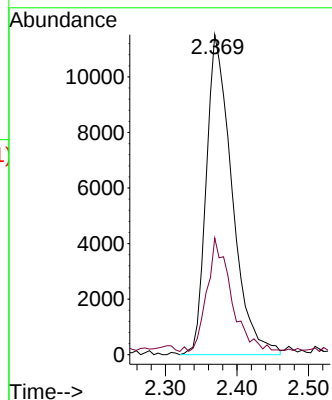
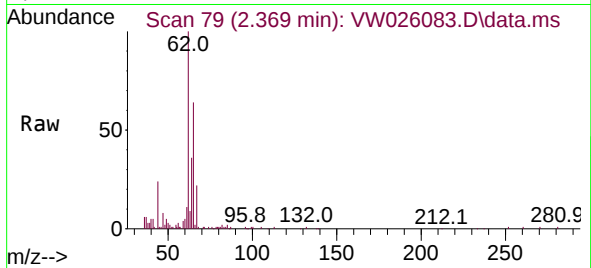




#5
Vinyl chloride
Concen: 2.467 ug/L
RT: 2.369 min Scan# 79
Delta R.T. -0.006 min
Lab File: VW026083.D
Acq: 30 May 2023 12:10

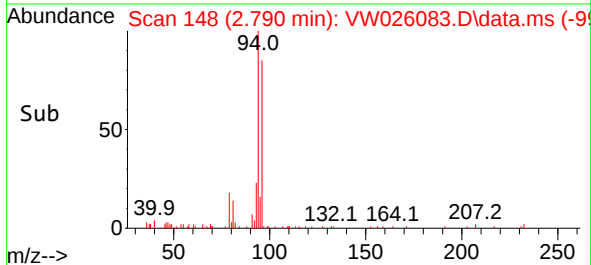
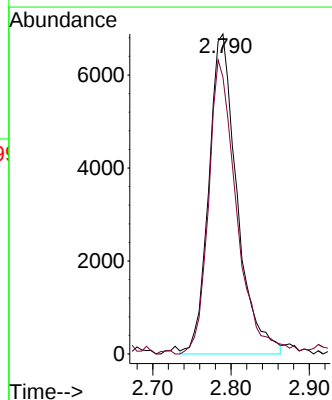
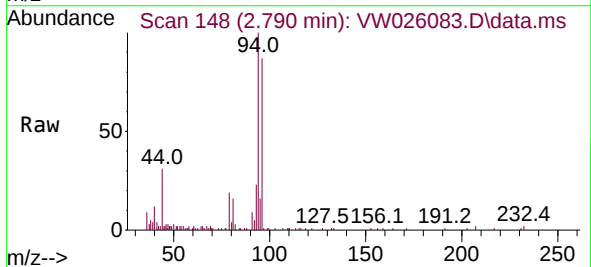
Instrument :
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VSTD2.5463

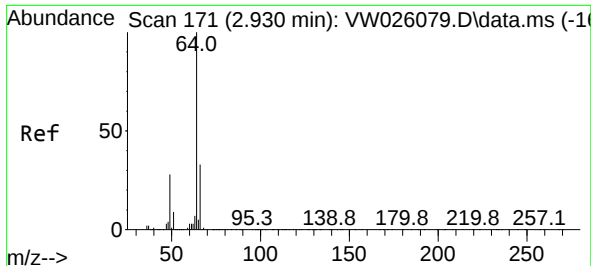
Tgt Ion: 62 Resp: 28745
Ion Ratio Lower Upper
62 100
64 36.5 22.7 42.1



#6
Bromomethane
Concen: 2.708 ug/L
RT: 2.790 min Scan# 148
Delta R.T. 0.000 min
Lab File: VW026083.D
Acq: 30 May 2023 12:10

Tgt Ion: 94 Resp: 17200
Ion Ratio Lower Upper
94 100
96 86.5 64.2 119.2

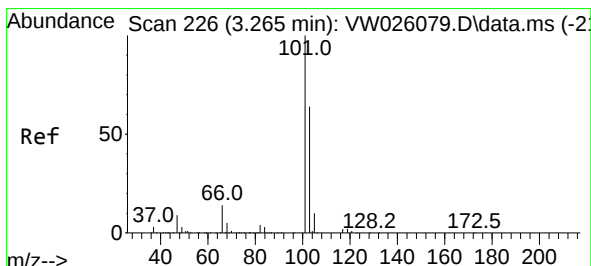
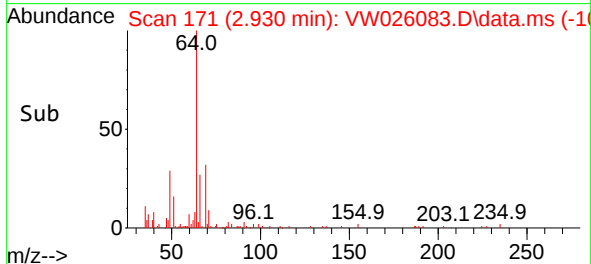
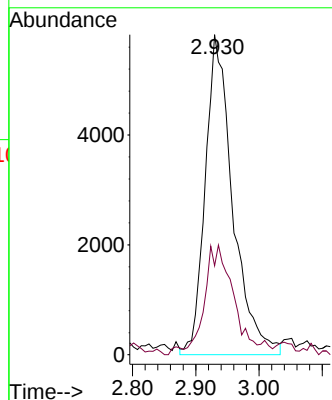
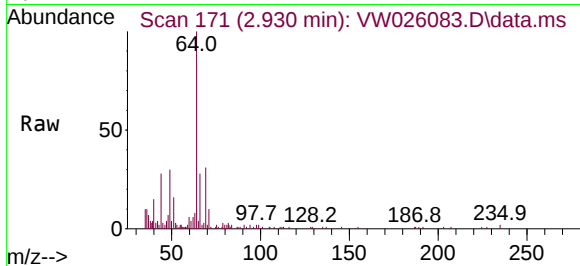




#8
Chloroethane
Concen: 2.799 ug/L
RT: 2.930 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW026083.D
Acq: 30 May 2023 12:10

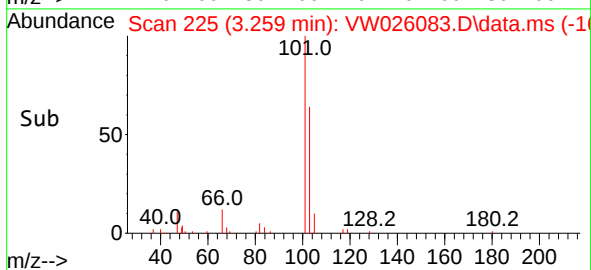
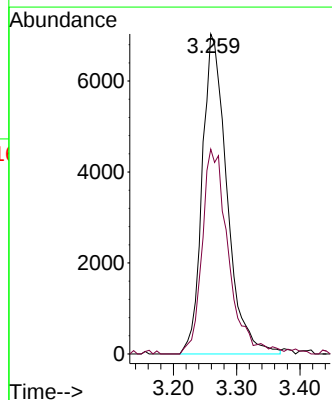
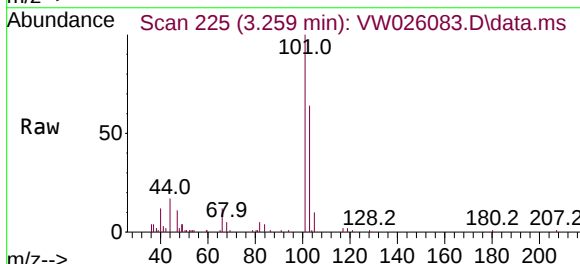
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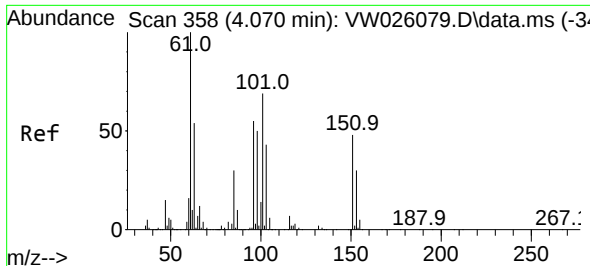
Tgt Ion: 64 Resp: 17620
Ion Ratio Lower Upper
64 100
66 27.8 23.2 43.2



#9
Trichlorofluoromethane
Concen: 2.549 ug/L
RT: 3.259 min Scan# 225
Delta R.T. -0.006 min
Lab File: VW026083.D
Acq: 30 May 2023 12:10

Tgt Ion:101 Resp: 19107
Ion Ratio Lower Upper
101 100
103 65.6 51.6 77.4

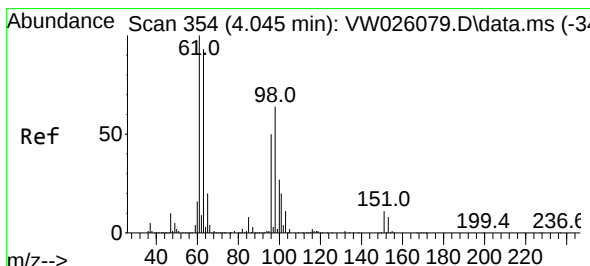
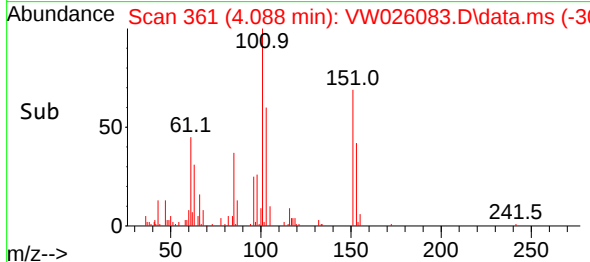
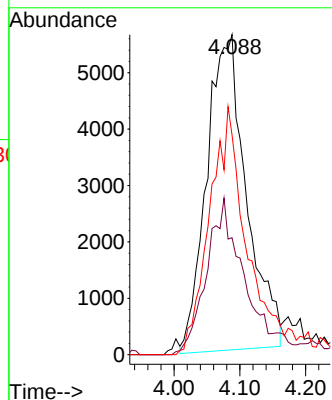
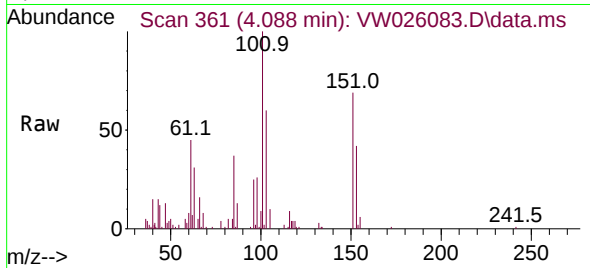




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.576 ug/L
RT: 4.088 min Scan# 30
Delta R.T. 0.018 min
Lab File: VW026083.D
Acq: 30 May 2023 12:10

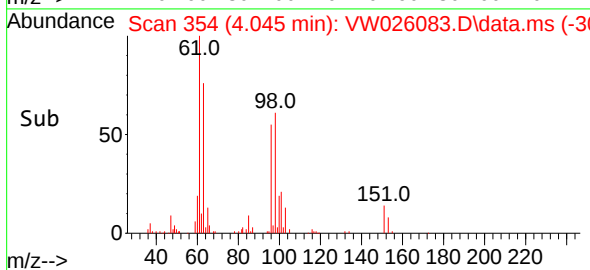
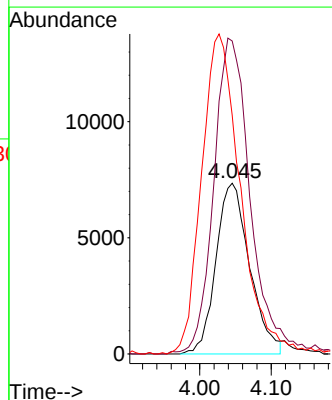
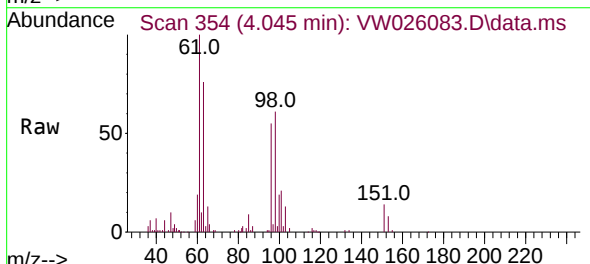
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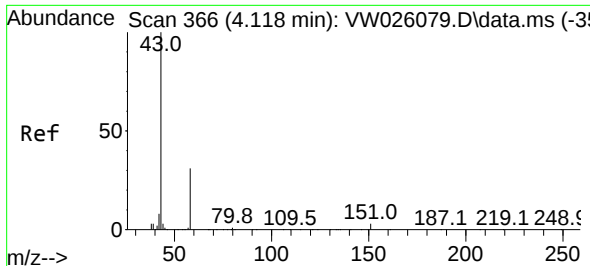
Tgt Ion:101 Resp: 23549
Ion Ratio Lower Upper
101 100
85 23.6 36.1 54.1#
151 40.0 55.1 82.7#



#12
1,1-Dichloroethene
Concen: 2.728 ug/L
RT: 4.045 min Scan# 354
Delta R.T. 0.000 min
Lab File: VW026083.D
Acq: 30 May 2023 12:10

Tgt Ion: 96 Resp: 24080
Ion Ratio Lower Upper
96 100
61 183.4 140.6 261.0
63 139.9 131.7 244.5

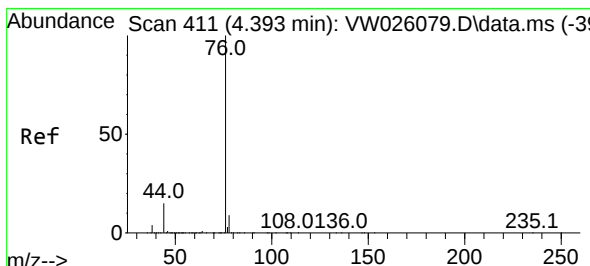
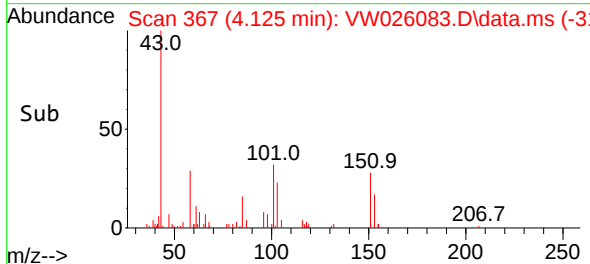
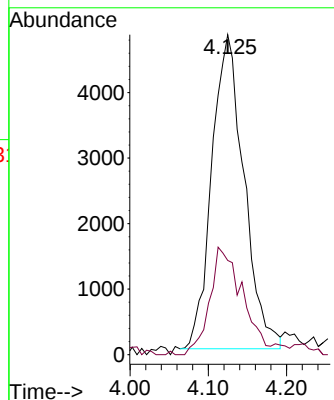
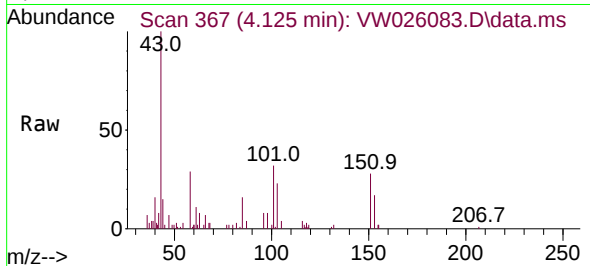




#13
Acetone
Concen: 6.247 ug/L
RT: 4.125 min Scan# 367
Delta R.T. 0.006 min
Lab File: VW026083.D
Acq: 30 May 2023 12:10

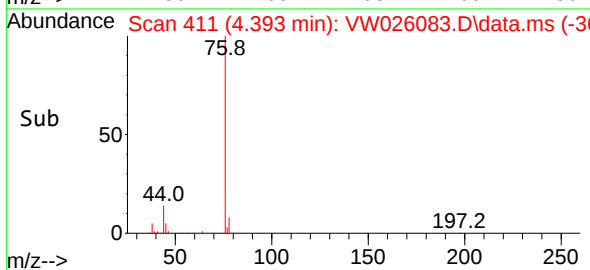
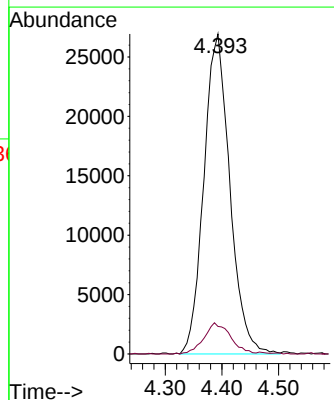
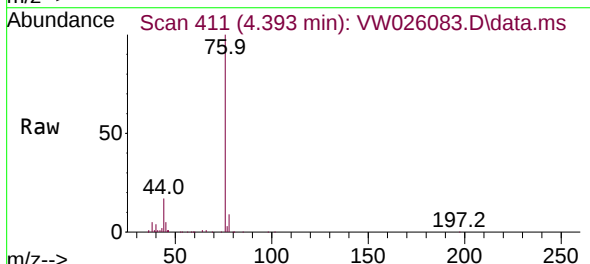
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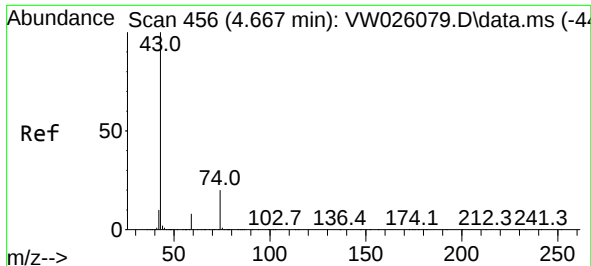
Tgt Ion: 43 Resp: 13726
Ion Ratio Lower Upper
43 100
58 34.7 0.0 58.2



#14
Carbon disulfide
Concen: 2.754 ug/L
RT: 4.393 min Scan# 411
Delta R.T. 0.000 min
Lab File: VW026083.D
Acq: 30 May 2023 12:10

Tgt Ion: 76 Resp: 85836
Ion Ratio Lower Upper
76 100
78 8.6 7.2 10.8

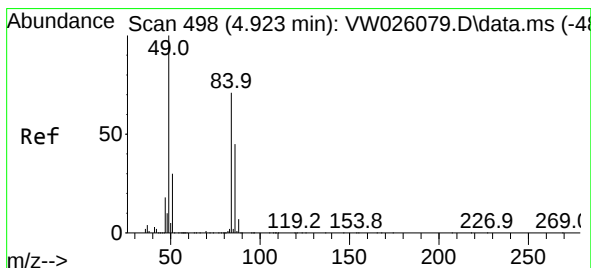
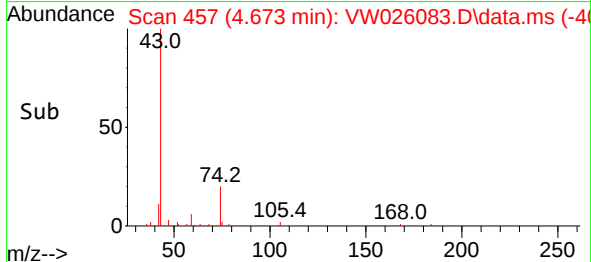
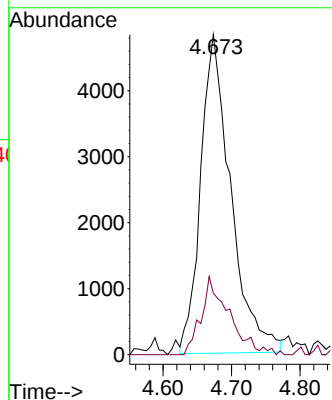
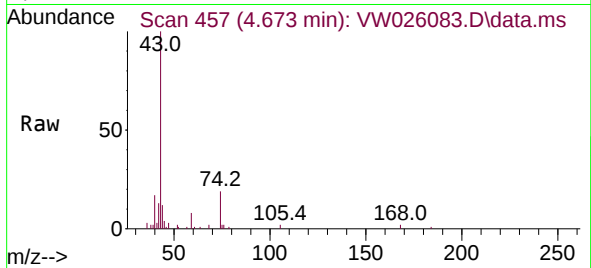




#15
Methyl Acetate
Concen: 2.995 ug/L
RT: 4.673 min Scan# 456
Delta R.T. 0.006 min
Lab File: VW026083.D
Acq: 30 May 2023 12:10

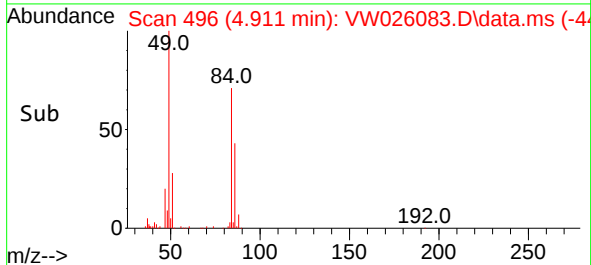
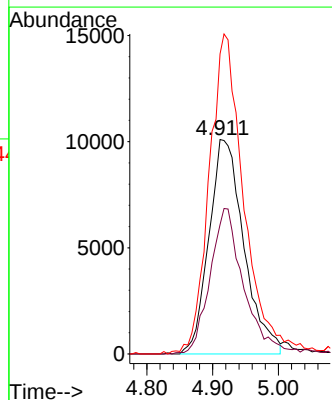
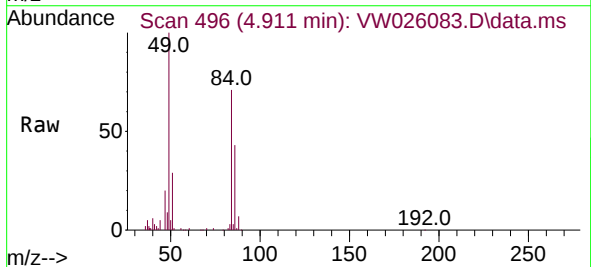
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5463

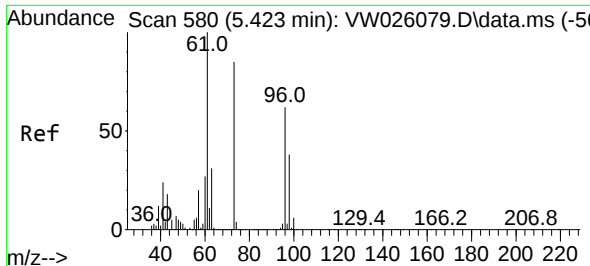
Tgt Ion: 43 Resp: 14772
Ion Ratio Lower Upper
43 100
74 20.5 16.6 25.0



#16
Methylene chloride
Concen: 3.378 ug/L
RT: 4.911 min Scan# 496
Delta R.T. -0.012 min
Lab File: VW026083.D
Acq: 30 May 2023 12:10

Tgt Ion: 84 Resp: 37377
Ion Ratio Lower Upper
84 100
86 60.3 44.2 82.0
49 139.9 98.8 183.6

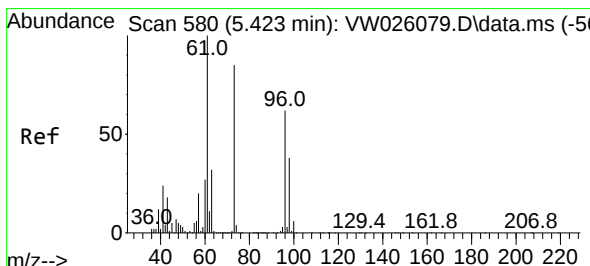
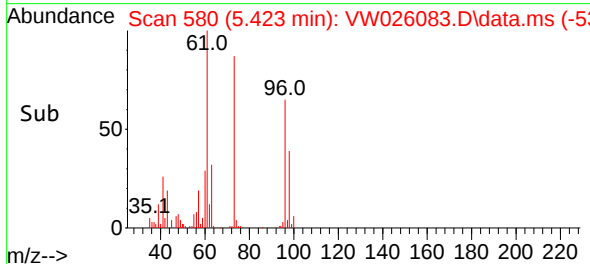
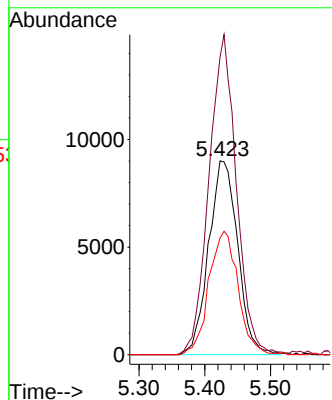
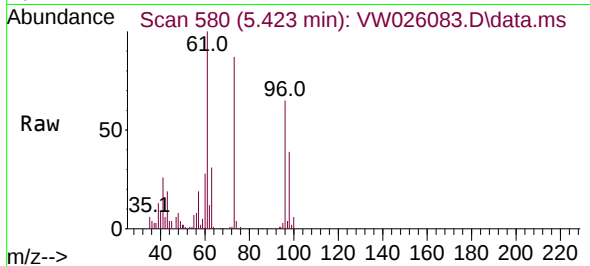




#17
trans-1,2-Dichloroethene
Concen: 2.800 ug/L
RT: 5.423 min Scan# 580
Delta R.T. 0.000 min
Lab File: VW026083.D
Acq: 30 May 2023 12:10

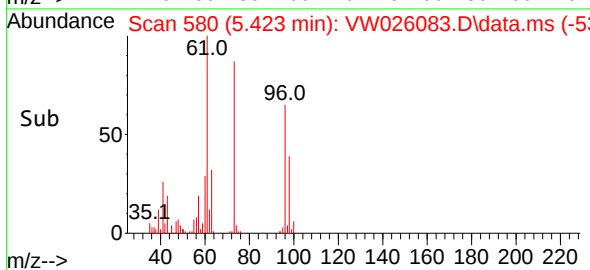
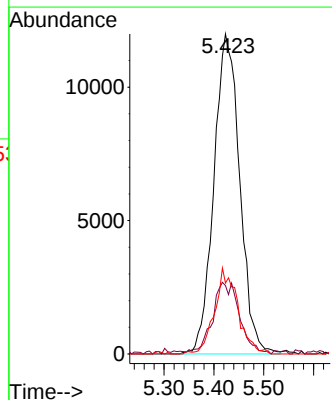
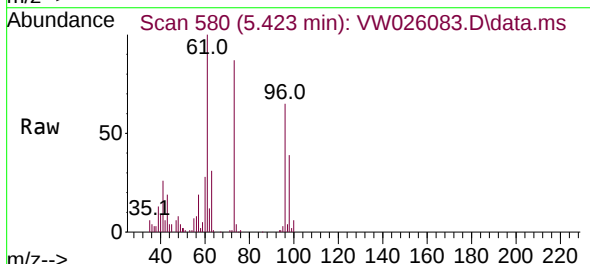
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5463

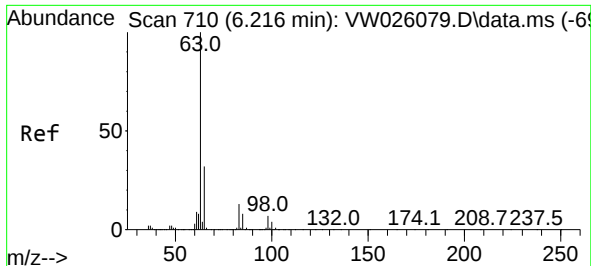
Tgt Ion: 96 Resp: 27732
Ion Ratio Lower Upper
96 100
61 153.6 113.0 209.8
98 60.3 42.5 78.9



#18
Methyl tert-butyl Ether
Concen: 2.767 ug/L
RT: 5.423 min Scan# 580
Delta R.T. 0.000 min
Lab File: VW026083.D
Acq: 30 May 2023 12:10

Tgt Ion: 73 Resp: 43189
Ion Ratio Lower Upper
73 100
43 13.3 17.8 26.6
57 23.6 18.9 28.3





#19

1,1-Dichloroethane

Concen: 2.819 ug/L

RT: 6.222 min Scan# 711

Delta R.T. 0.006 min

Lab File: VW026083.D

Acq: 30 May 2023 12:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5463

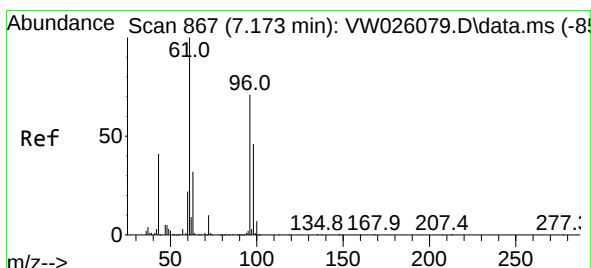
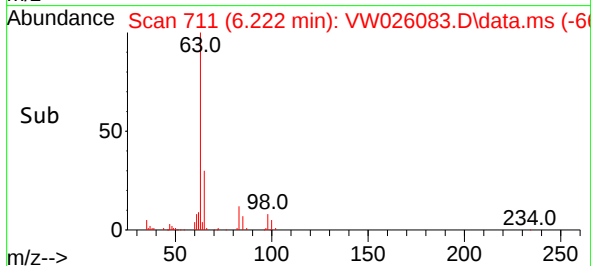
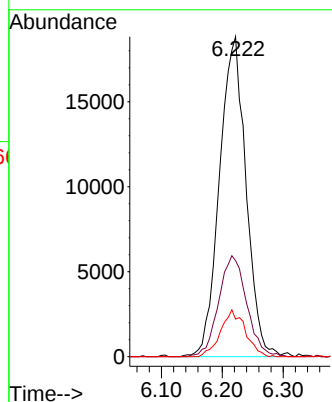
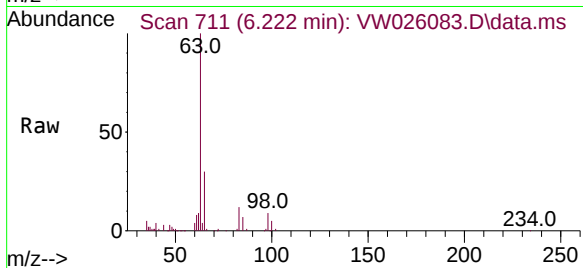
Tgt Ion: 63 Resp: 56851

Ion Ratio Lower Upper

63 100

65 30.0 22.3 41.5

83 11.7 9.1 16.9



#20

cis-1,2-Dichloroethene

Concen: 2.719 ug/L

RT: 7.167 min Scan# 866

Delta R.T. -0.006 min

Lab File: VW026083.D

Acq: 30 May 2023 12:10

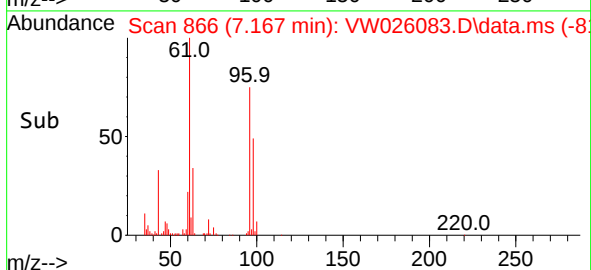
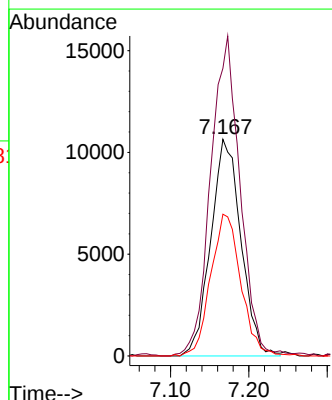
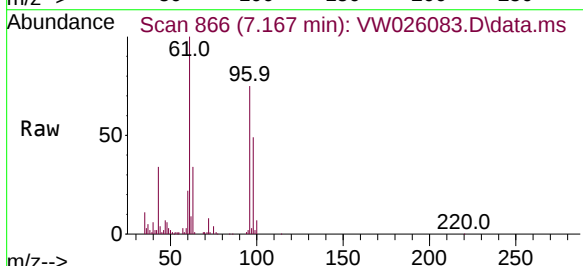
Tgt Ion: 96 Resp: 28526

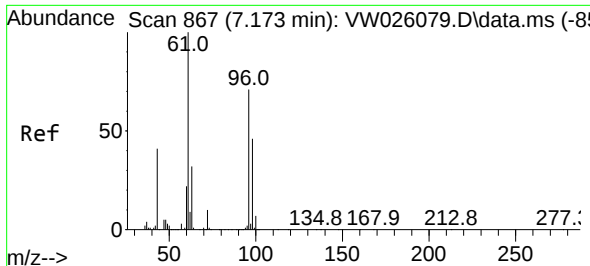
Ion Ratio Lower Upper

96 100

61 132.8 98.4 182.8

98 65.5 45.2 84.0

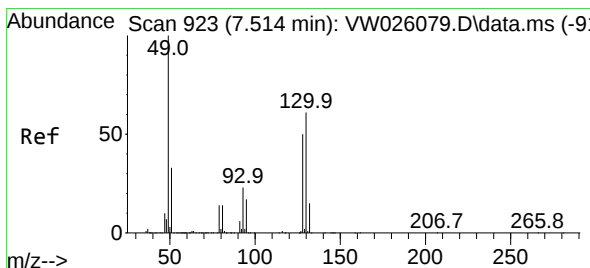
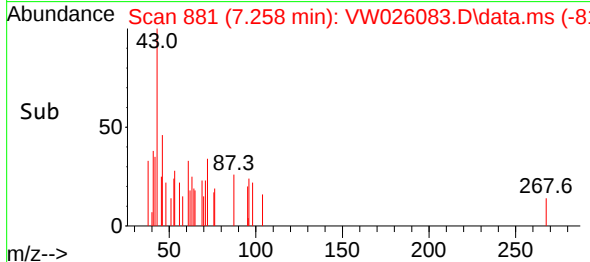
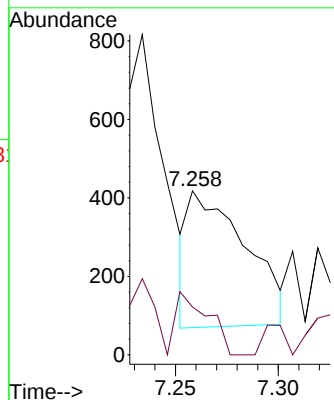
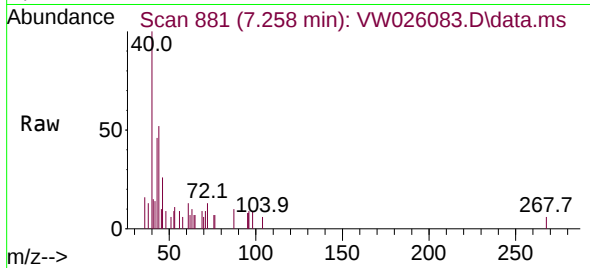




#22
2-Butanone
Concen: 0.217 ug/L
RT: 7.258 min Scan# 881
Delta R.T. 0.086 min
Lab File: VW026083.D
Acq: 30 May 2023 12:10

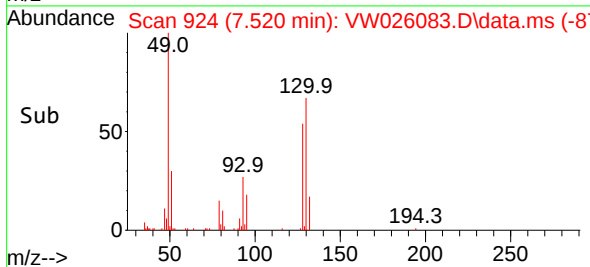
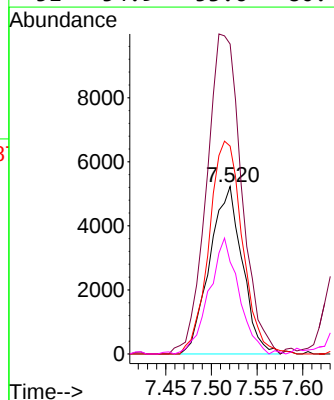
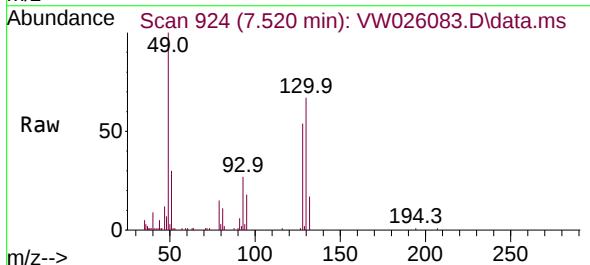
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5463

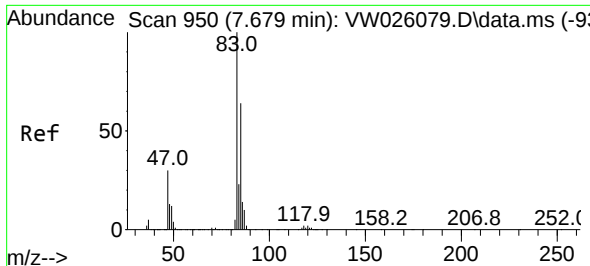
Tgt Ion: 43 Resp: 678
Ion Ratio Lower Upper
43 100
72 26.1 12.4 37.4



#23
Bromochloromethane
Concen: 2.892 ug/L
RT: 7.520 min Scan# 924
Delta R.T. 0.006 min
Lab File: VW026083.D
Acq: 30 May 2023 12:10

Tgt Ion: 128 Resp: 12939
Ion Ratio Lower Upper
128 100
49 185.0 140.6 261.0
130 124.1 86.0 159.6
51 54.9 53.6 80.4

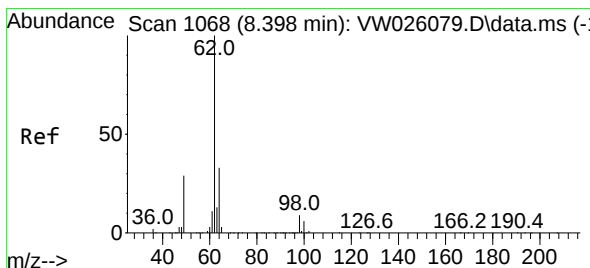
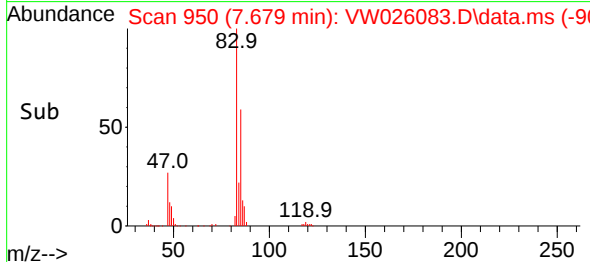
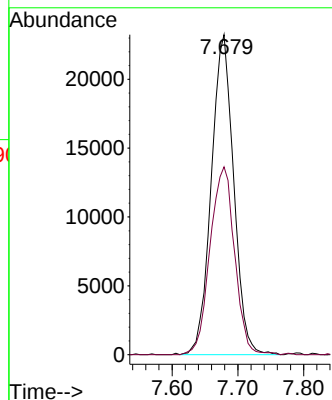
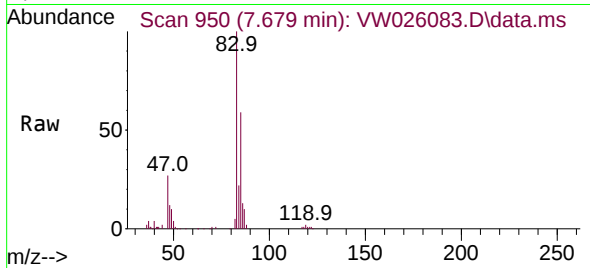




#25
Chloroform
Concen: 2.934 ug/L
RT: 7.679 min Scan# 910
Delta R.T. 0.000 min
Lab File: VW026083.D
Acq: 30 May 2023 12:10

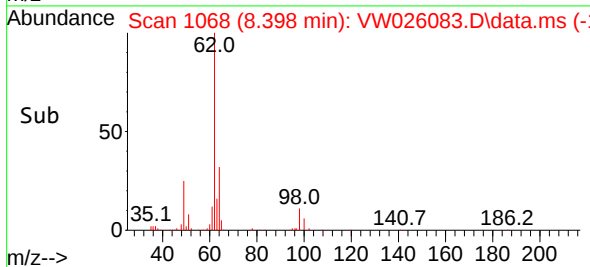
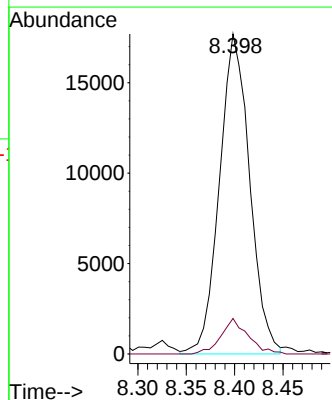
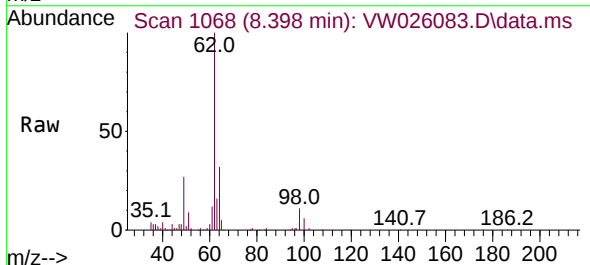
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5463

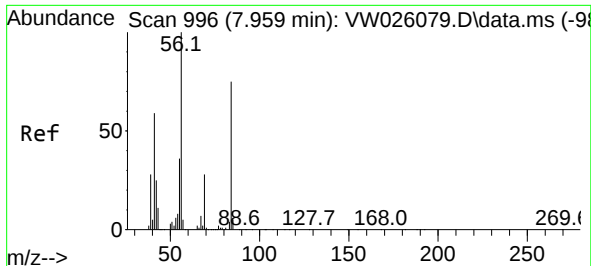
Tgt Ion: 83 Resp: 55096
Ion Ratio Lower Upper
83 100
85 58.7 45.1 83.7



#27
1,2-Dichloroethane
Concen: 2.967 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VW026083.D
Acq: 30 May 2023 12:10

Tgt Ion: 62 Resp: 38434
Ion Ratio Lower Upper
62 100
98 11.1 7.4 11.2





#29

Cyclohexane

Concen: 2.602 ug/L

RT: 7.953 min Scan# 996

Delta R.T. -0.006 min

Lab File: VW026083.D

Acq: 30 May 2023 12:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5463

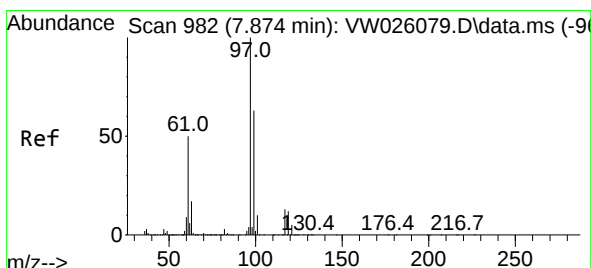
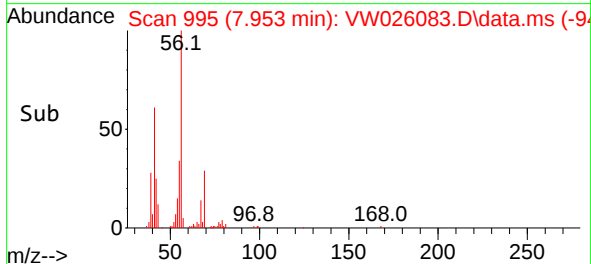
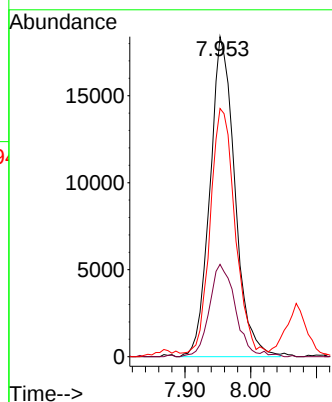
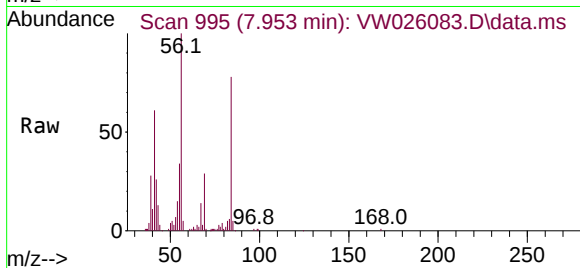
Tgt Ion: 56 Resp: 48580

Ion Ratio Lower Upper

56 100

69 29.4 23.3 34.9

84 77.7 63.0 94.6



#30

1,1,1-Trichloroethane

Concen: 2.825 ug/L

RT: 7.874 min Scan# 982

Delta R.T. 0.000 min

Lab File: VW026083.D

Acq: 30 May 2023 12:10

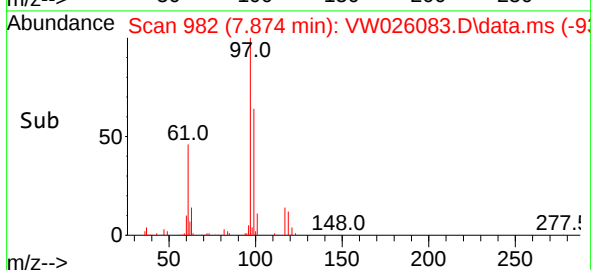
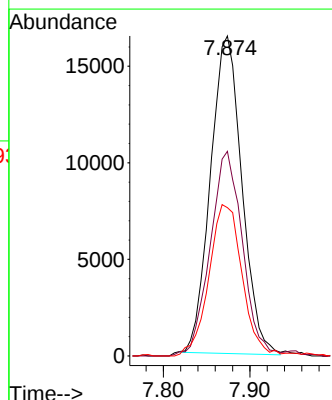
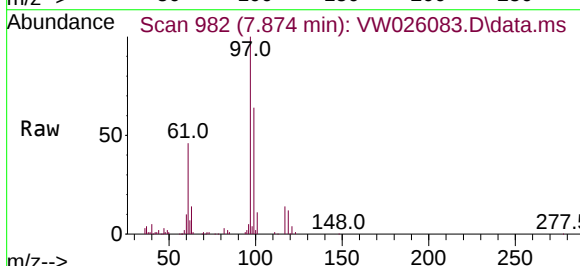
Tgt Ion: 97 Resp: 41463

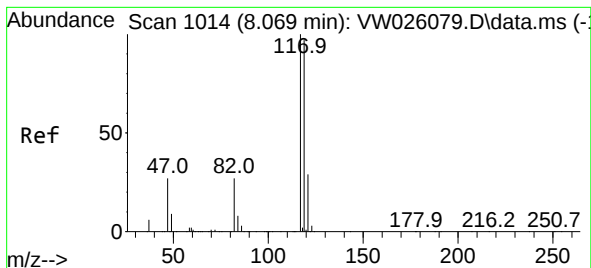
Ion Ratio Lower Upper

97 100

99 66.1 50.6 76.0

61 50.2 40.5 60.7





#31

Carbon tetrachloride

Concen: 2.899 ug/L

RT: 8.069 min Scan# 1014

Delta R.T. 0.000 min

Lab File: VW026083.D

Acq: 30 May 2023 12:10

Instrument :

MSVOA_W

ClientSampleId :

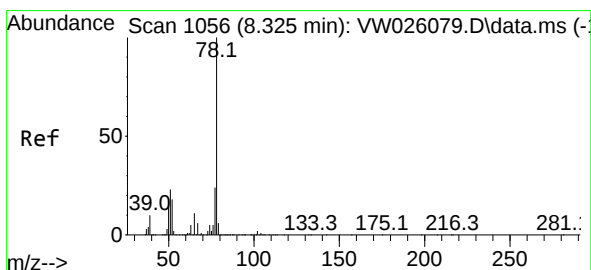
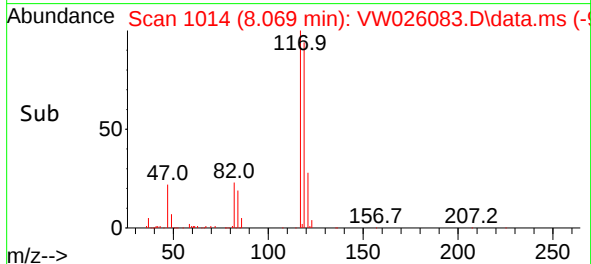
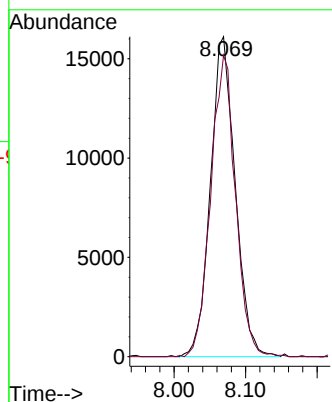
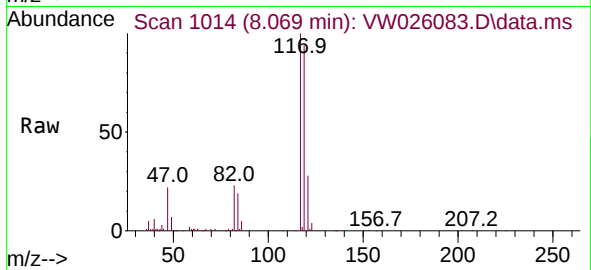
VSTD2.5463

Tgt Ion:117 Resp: 38817

Ion Ratio Lower Upper

117 100

119 93.8 77.4 116.2



#33

Benzene

Concen: 2.921 ug/L

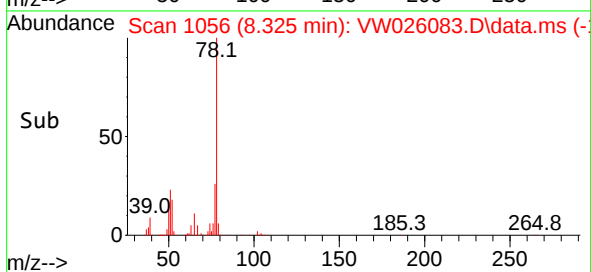
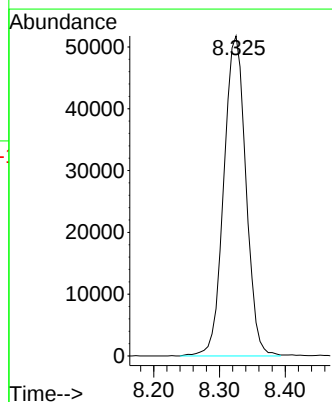
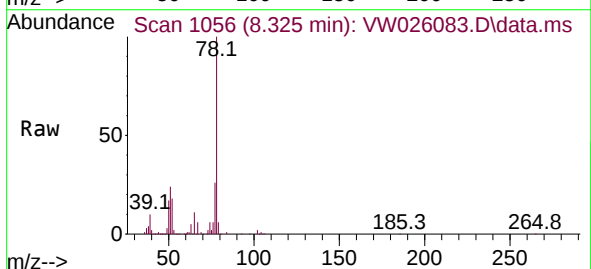
RT: 8.325 min Scan# 1056

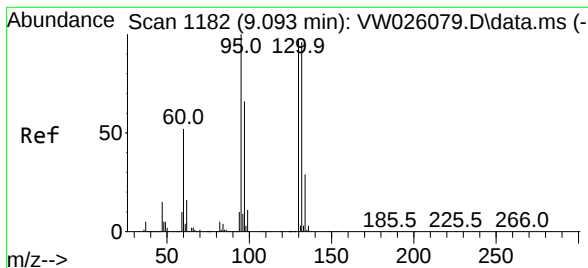
Delta R.T. 0.000 min

Lab File: VW026083.D

Acq: 30 May 2023 12:10

Tgt Ion: 78 Resp: 121019





#34

Trichloroethene

Concen: 2.898 ug/L

RT: 9.087 min Scan# 1182

Delta R.T. -0.006 min

Lab File: VW026083.D

Acq: 30 May 2023 12:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5463

Tgt Ion: 95 Resp: 30736

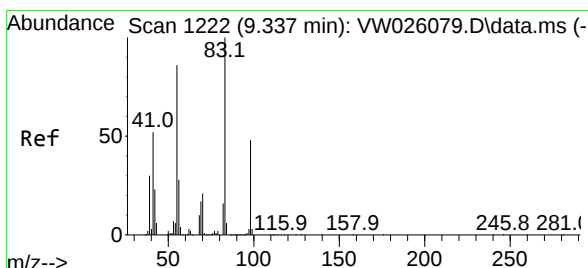
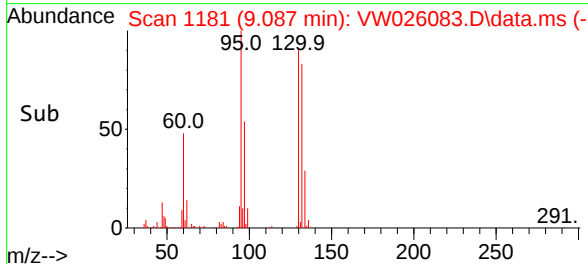
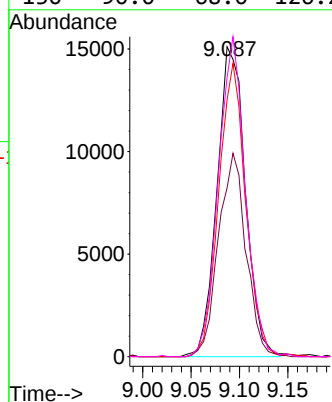
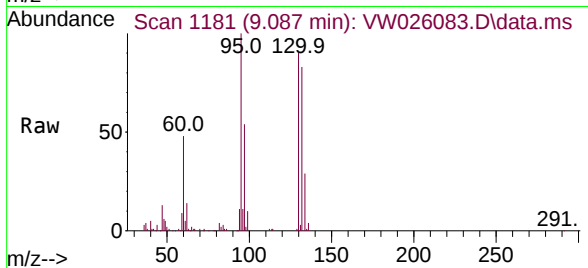
Ion Ratio Lower Upper

95 100

97 54.4 45.9 85.3

132 82.9 67.1 124.7

130 90.0 68.0 126.2



#35

Methylcyclohexane

Concen: 2.563 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VW026083.D

Acq: 30 May 2023 12:10

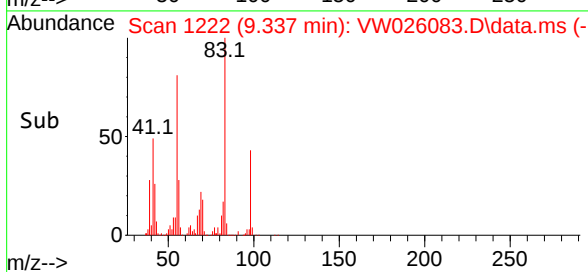
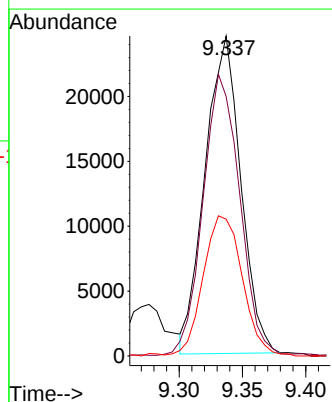
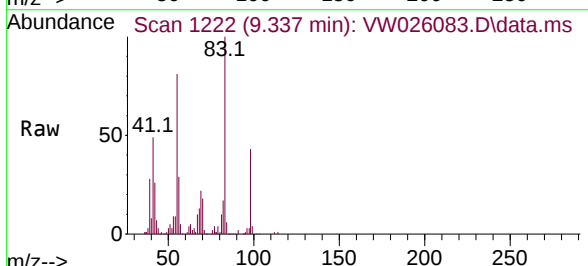
Tgt Ion: 83 Resp: 48101

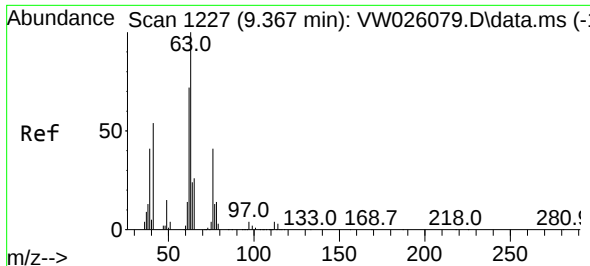
Ion Ratio Lower Upper

83 100

55 91.0 68.2 102.4

98 48.4 38.1 57.1





#37

1,2-Dichloropropane

Concen: 2.943 ug/L

RT: 9.368 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW026083.D

Acq: 30 May 2023 12:10

Instrument :

MSVOA_W

ClientSampleId :

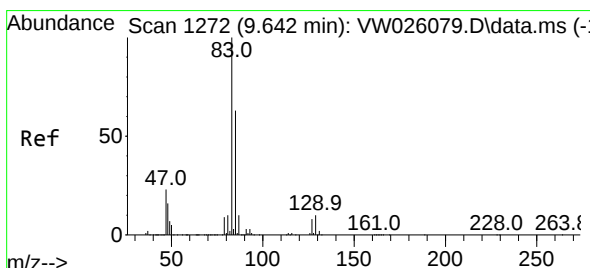
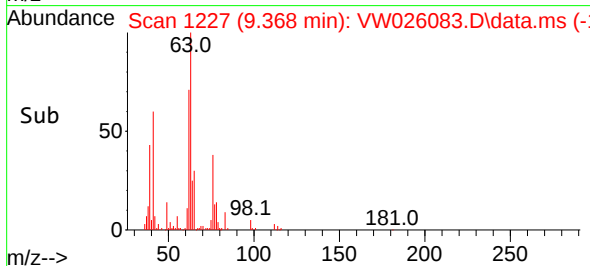
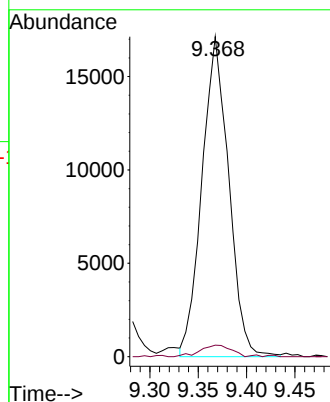
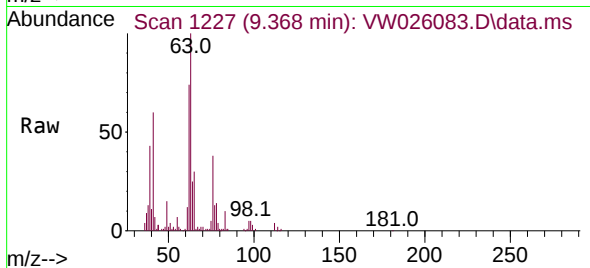
VSTD2.5463

Tgt Ion: 63 Resp: 33017

Ion Ratio Lower Upper

63 100

112 3.8 3.3 4.9



#38

Bromodichloromethane

Concen: 2.917 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW026083.D

Acq: 30 May 2023 12:10

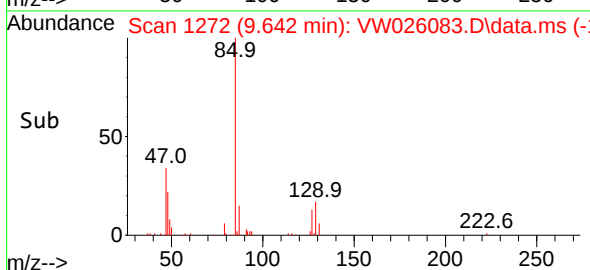
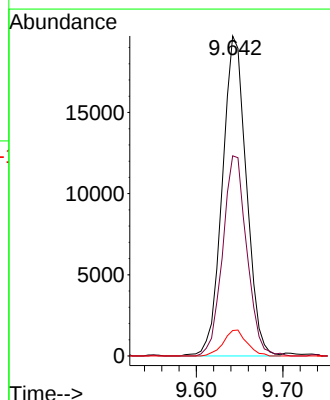
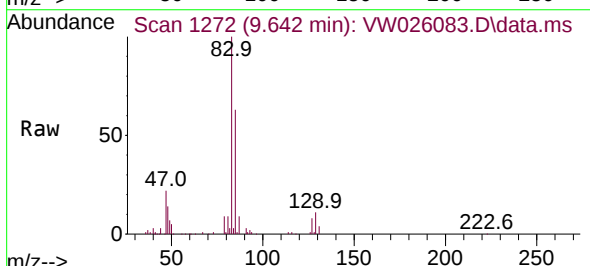
Tgt Ion: 83 Resp: 38022

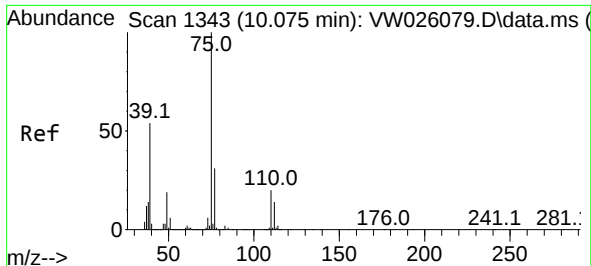
Ion Ratio Lower Upper

83 100

85 62.6 44.2 82.0

127 8.0 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 2.649 ug/L

RT: 10.075 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VW026083.D

Acq: 30 May 2023 12:10

Instrument :

MSVOA_W

ClientSampleId :

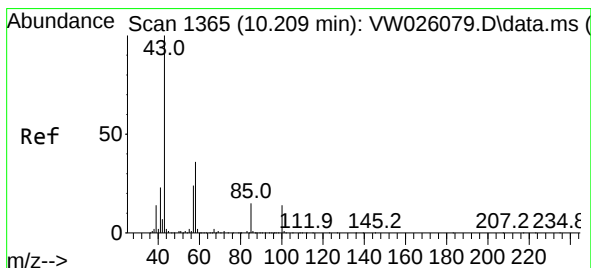
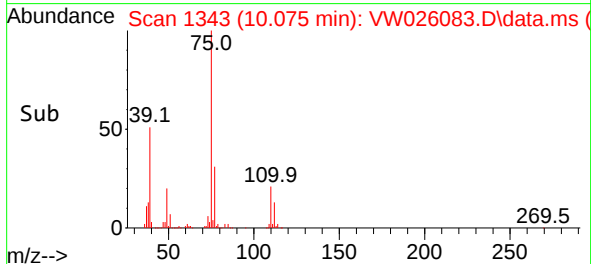
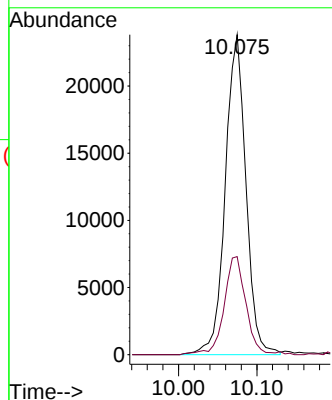
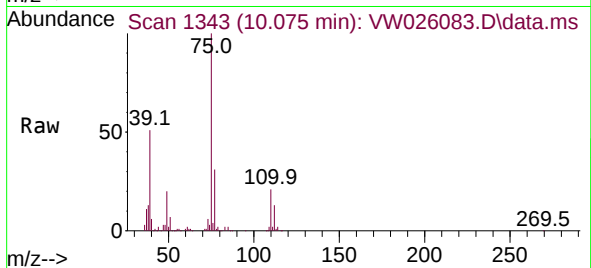
VSTD2.5463

Tgt Ion: 75 Resp: 43679

Ion Ratio Lower Upper

75 100

77 30.7 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 5.244 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW026083.D

Acq: 30 May 2023 12:10

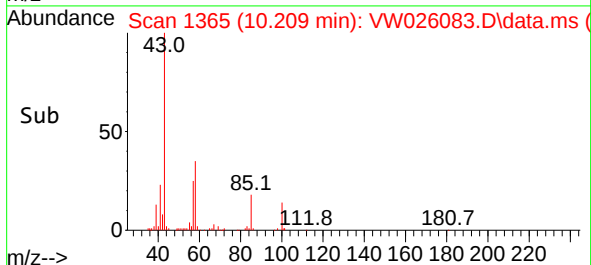
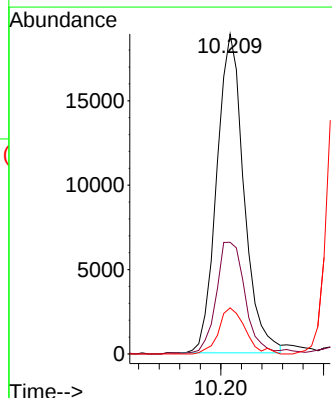
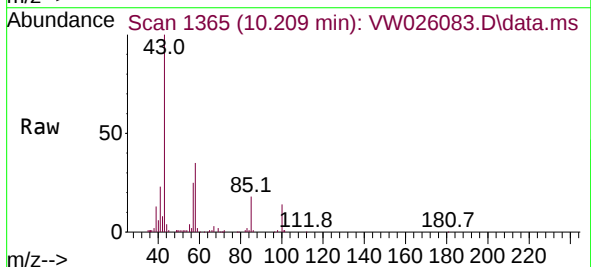
Tgt Ion: 43 Resp: 34692

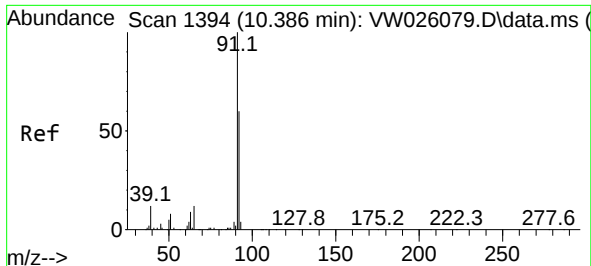
Ion Ratio Lower Upper

43 100

58 37.0 29.0 43.4

100 13.7 10.5 15.7

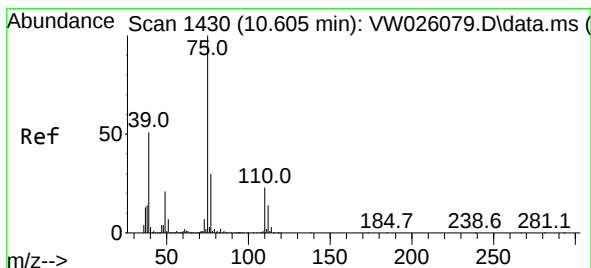
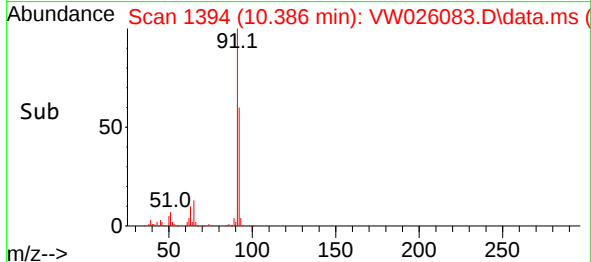
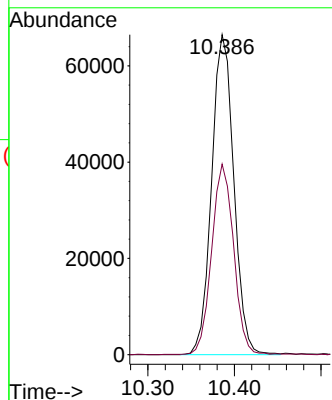
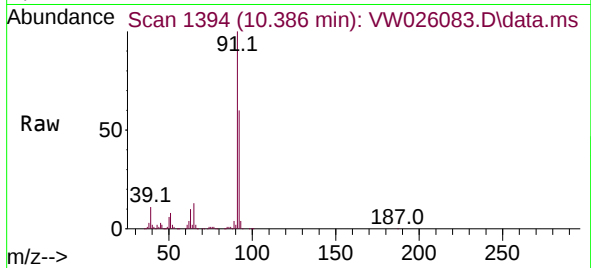




#42
Toluene
Concen: 2.791 ug/L
RT: 10.386 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW026083.D
Acq: 30 May 2023 12:10

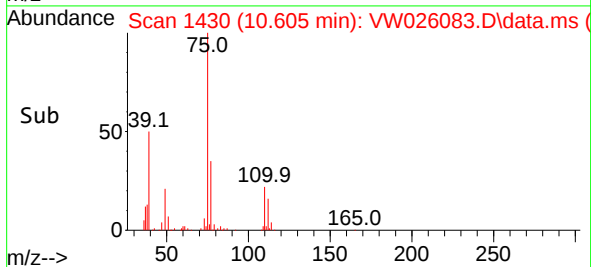
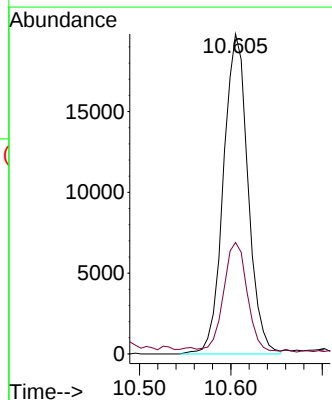
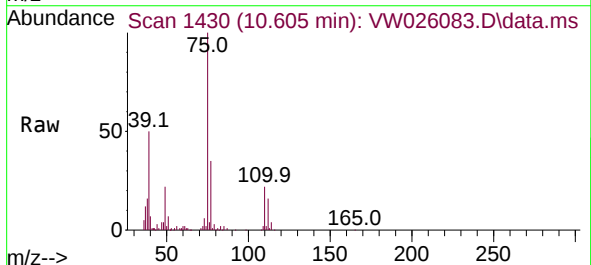
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5463

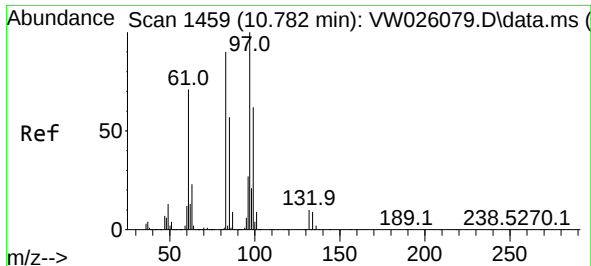
Tgt Ion: 91 Resp: 118256
Ion Ratio Lower Upper
91 100
92 59.5 42.2 78.4



#44
trans-1,3-Dichloropropene
Concen: 2.692 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW026083.D
Acq: 30 May 2023 12:10

Tgt Ion: 75 Resp: 36979
Ion Ratio Lower Upper
75 100
77 34.8 21.1 39.3

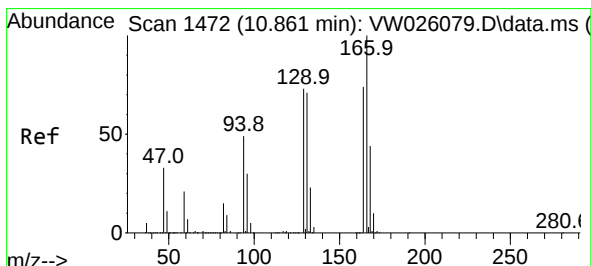
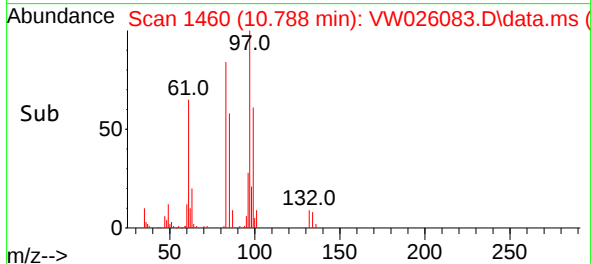
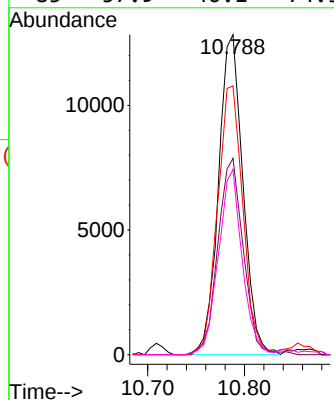
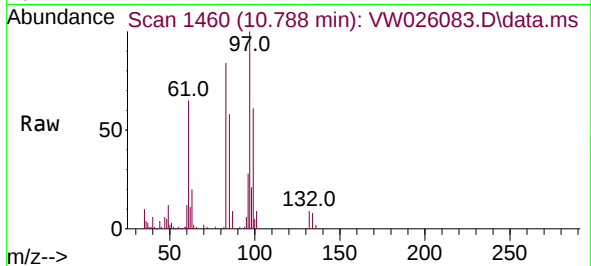




#45
1,1,2-Trichloroethane
Concen: 3.046 ug/L
RT: 10.788 min Scan# 1459
Delta R.T. 0.006 min
Lab File: VW026083.D
Acq: 30 May 2023 12:10

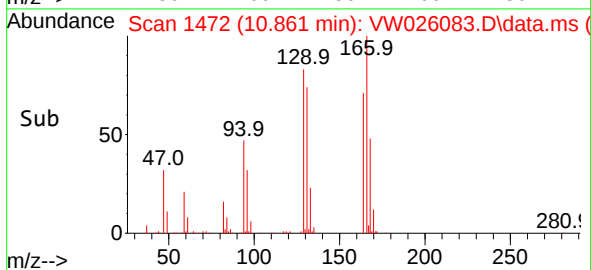
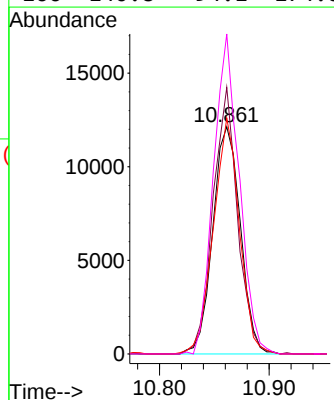
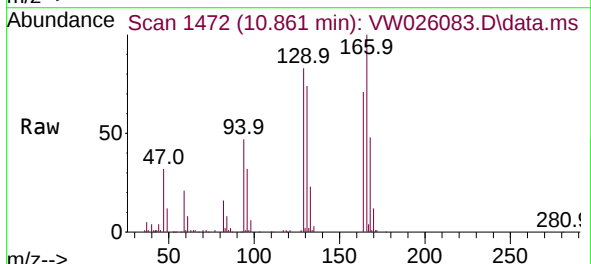
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5463

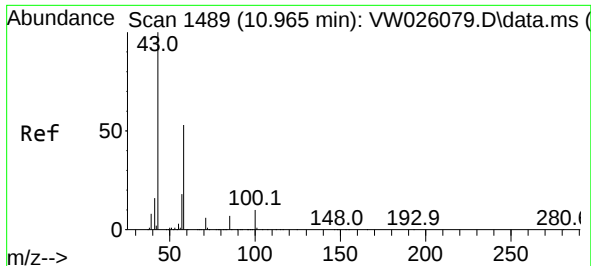
Tgt Ion: 97	Resp: 22527
Ion Ratio	Lower Upper
97 100	
99 61.3	43.3 80.5
83 84.0	62.9 116.9
85 57.9	40.1 74.5



#46
Tetrachloroethene
Concen: 2.832 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VW026083.D
Acq: 30 May 2023 12:10

Tgt	Ion:164	Resp:	21245
Ion	Ratio	Lower	Upper
164	100		
129	117.3	68.5	127.1
131	103.8	67.1	124.7
166	140.8	94.1	174.8

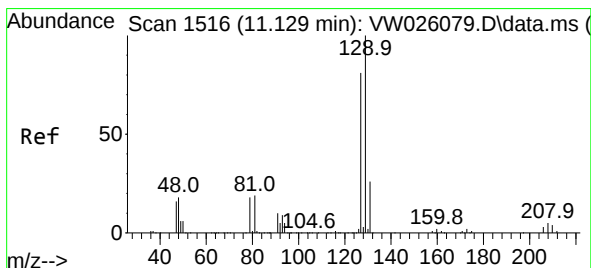
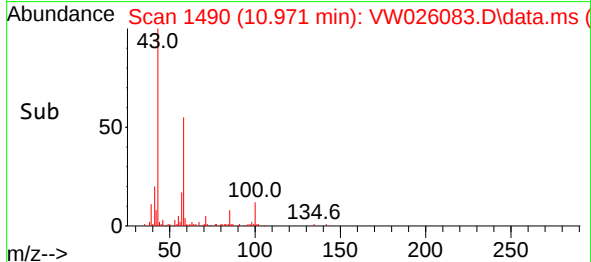
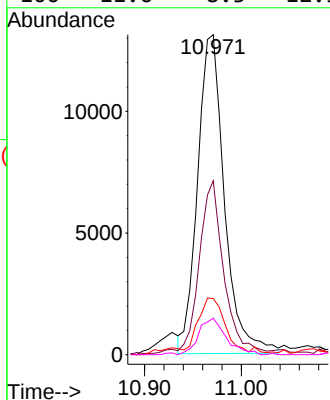
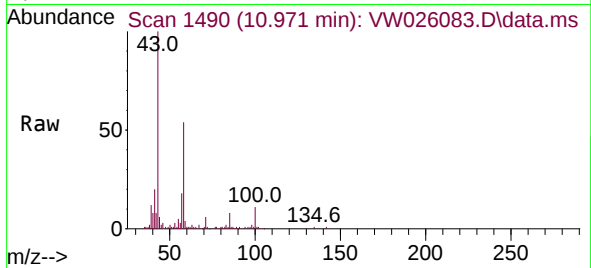




#48
2-Hexanone
Concen: 5.437 ug/L
RT: 10.971 min Scan# 1489
Delta R.T. 0.006 min
Lab File: VW026083.D
Acq: 30 May 2023 12:10

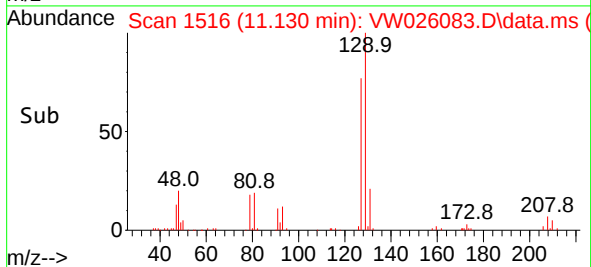
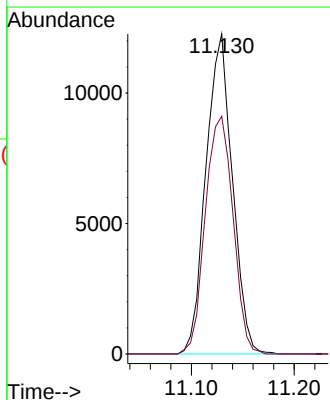
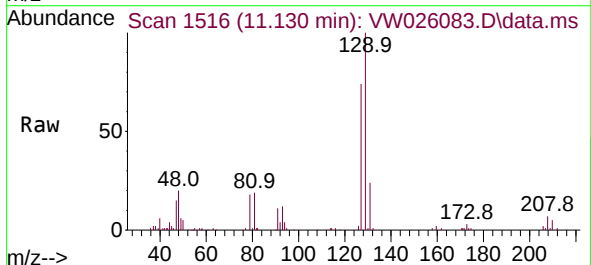
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5463

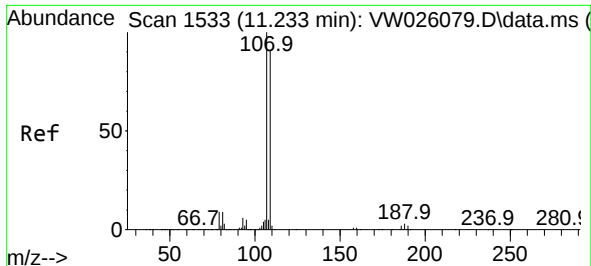
Tgt Ion: 43	Resp: 25360
Ion Ratio	Lower Upper
43 100	
58 49.7	42.2 63.2
57 17.9	14.2 21.2
100 11.6	8.3 12.5



#49
Dibromochloromethane
Concen: 2.834 ug/L
RT: 11.130 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW026083.D
Acq: 30 May 2023 12:10

Tgt Ion:129	Resp:	21973	
Ion	Ratio	Lower	Upper
129	100		
127	74.3	56.9	105.7





#50

1,2-Dibromoethane

Concen: 2.981 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. 0.000 min

Lab File: VW026083.D

Acq: 30 May 2023 12:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5463

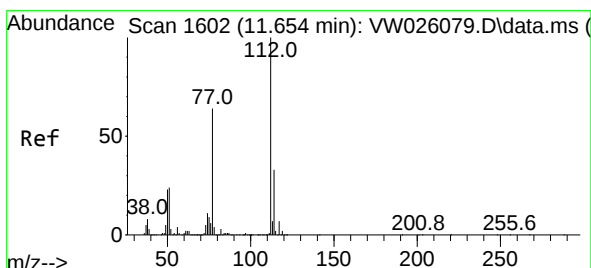
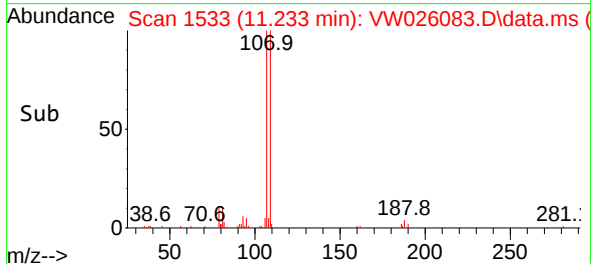
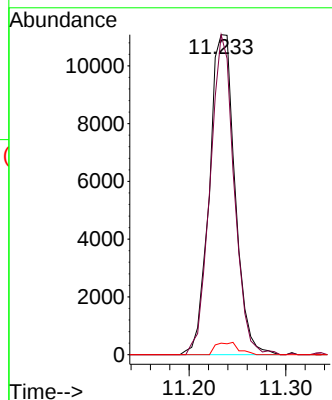
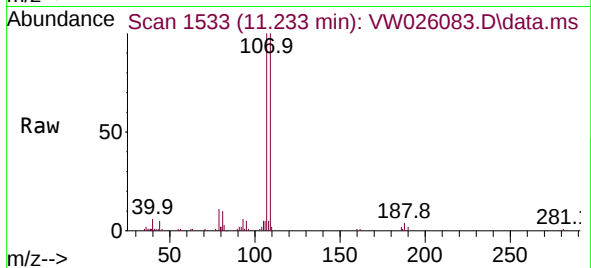
Tgt Ion:107 Resp: 20409

Ion Ratio Lower Upper

107 100

109 100.0 64.0 119.0

188 3.6 2.6 3.8



#51

Chlorobenzene

Concen: 3.024 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VW026083.D

Acq: 30 May 2023 12:10

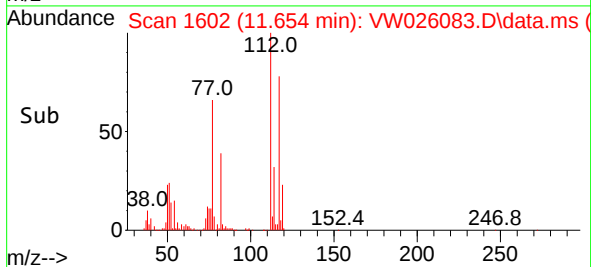
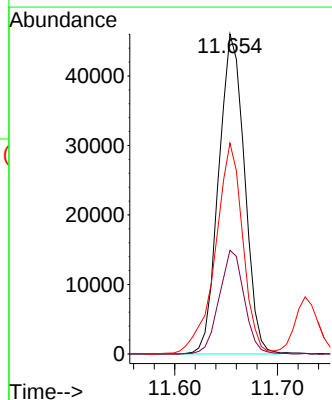
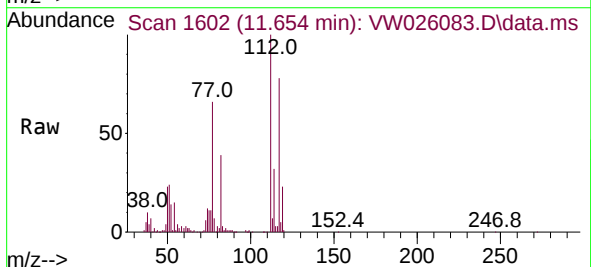
Tgt Ion:112 Resp: 80295

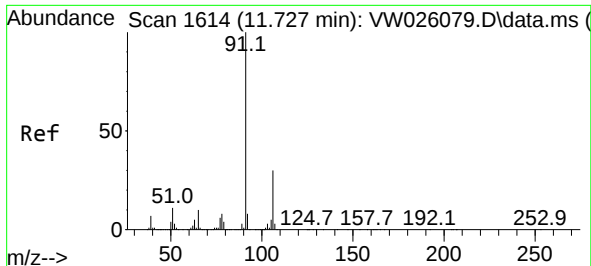
Ion Ratio Lower Upper

112 100

114 32.4 23.0 42.6

77 65.9 50.9 76.3

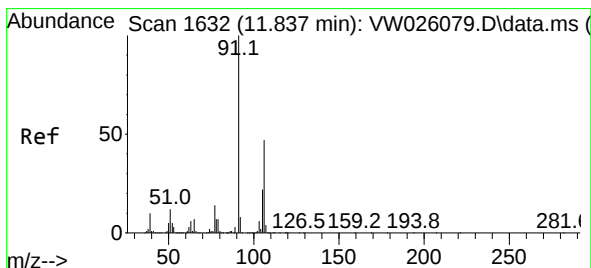
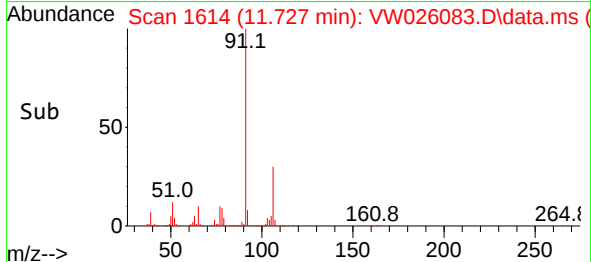
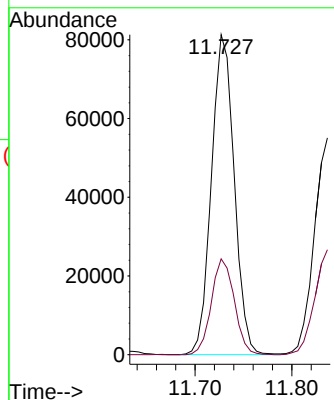
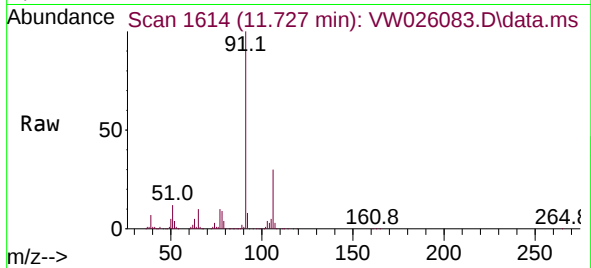




#52
Ethylbenzene
Concen: 2.787 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW026083.D
Acq: 30 May 2023 12:10

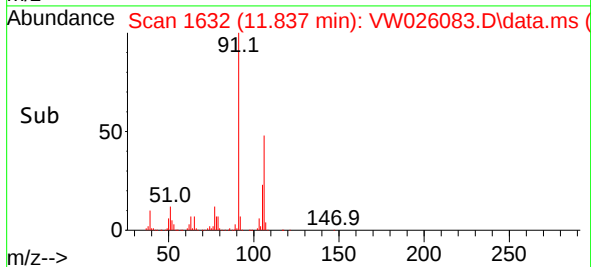
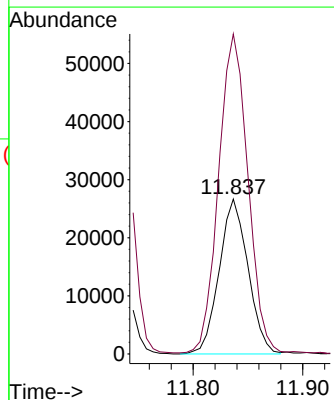
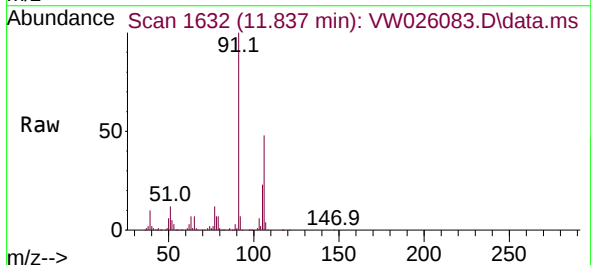
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5463

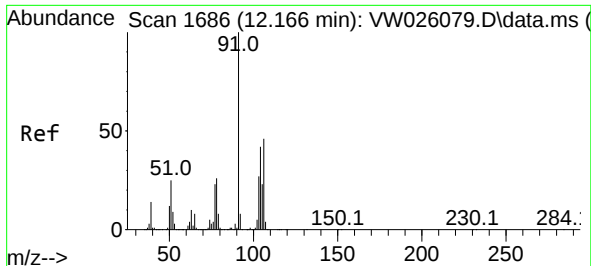
Tgt Ion: 91 Resp: 133220
Ion Ratio Lower Upper
91 100
106 29.9 21.2 39.4



#53
m,p-Xylene
Concen: 2.742 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW026083.D
Acq: 30 May 2023 12:10

Tgt Ion: 106 Resp: 48753
Ion Ratio Lower Upper
106 100
91 206.5 149.5 277.7

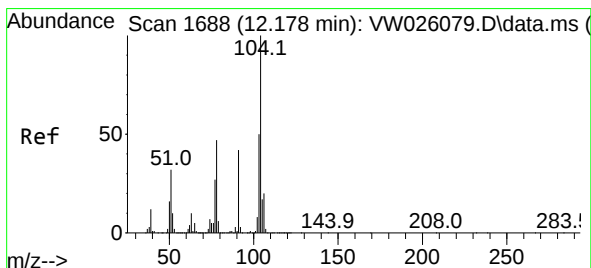
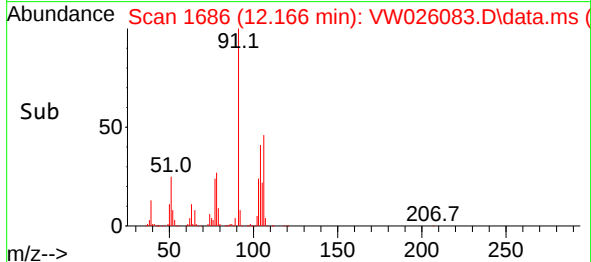
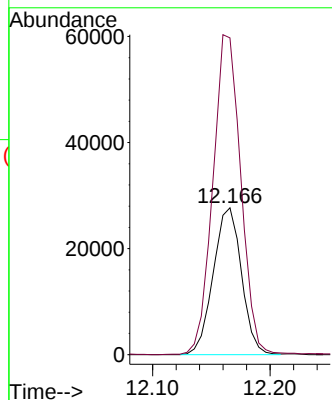
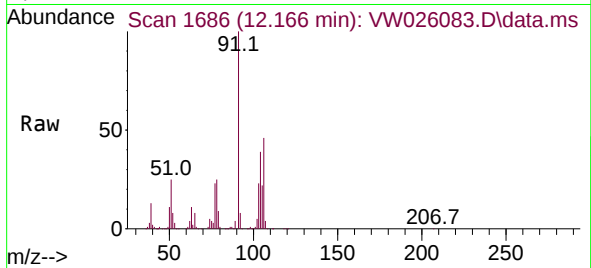




#54
o-Xylene
Concen: 2.757 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW026083.D
Acq: 30 May 2023 12:10

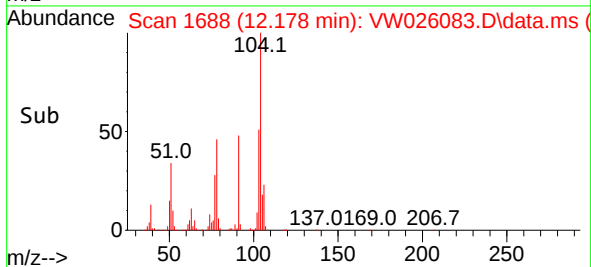
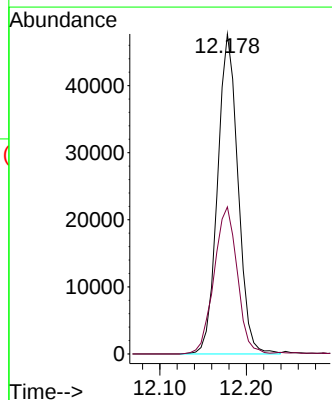
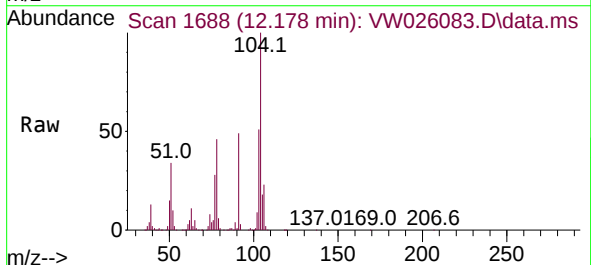
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5463

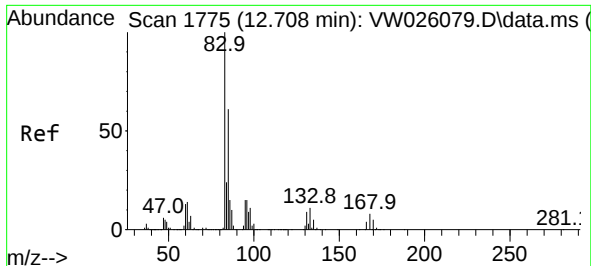
Tgt Ion:106 Resp: 46269
Ion Ratio Lower Upper
106 100
91 215.8 150.9 280.3



#55
Styrene
Concen: 2.715 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW026083.D
Acq: 30 May 2023 12:10

Tgt Ion:104 Resp: 78176
Ion Ratio Lower Upper
104 100
78 45.9 32.6 60.6





#57

1,1,2,2-Tetrachloroethane

Concen: 3.061 ug/L

RT: 12.715 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW026083.D

Acq: 30 May 2023 12:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5463

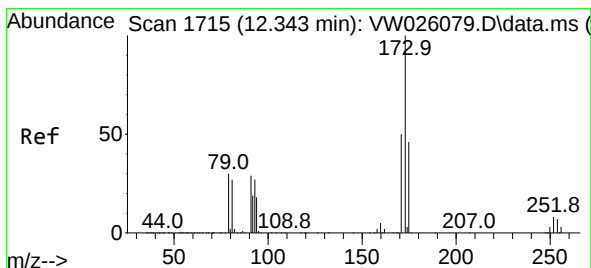
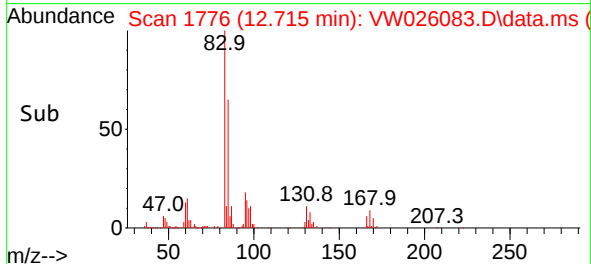
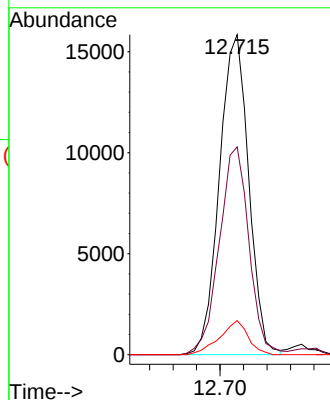
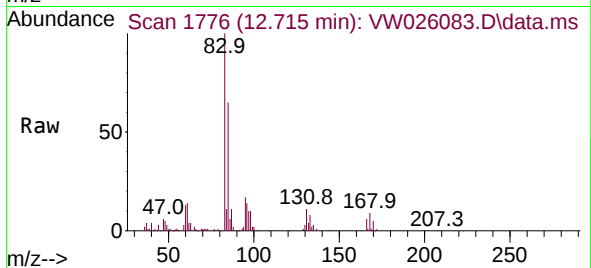
Tgt Ion: 83 Resp: 27397

Ion Ratio Lower Upper

83 100

85 64.9 42.6 79.0

131 10.6 7.2 10.8



#59

Bromoform

Concen: 2.905 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.006 min

Lab File: VW026083.D

Acq: 30 May 2023 12:10

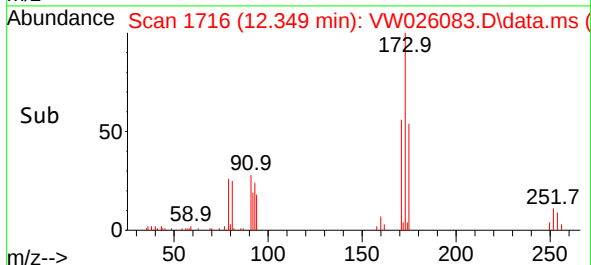
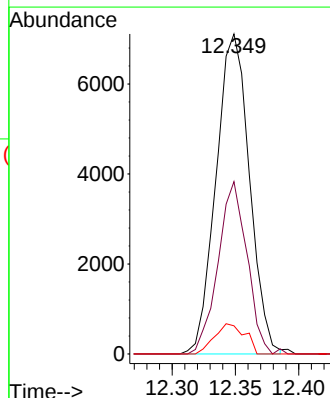
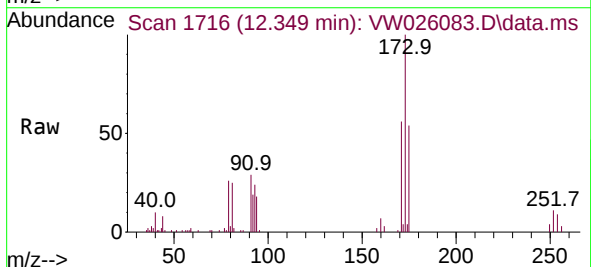
Tgt Ion: 173 Resp: 13046

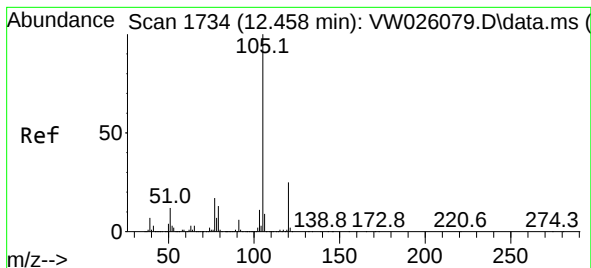
Ion Ratio Lower Upper

173 100

175 46.5 38.6 57.8

254 8.6 7.4 11.0





#60

Isopropylbenzene

Concen: 2.713 ug/L

RT: 12.459 min Scan# 1734

Delta R.T. 0.000 min

Lab File: VW026083.D

Acq: 30 May 2023 12:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5463

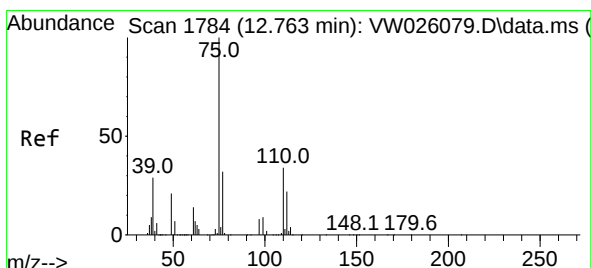
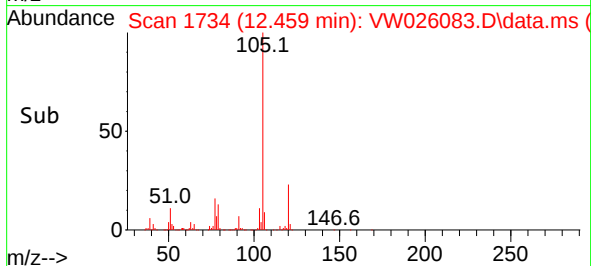
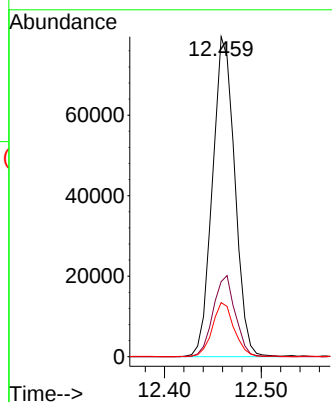
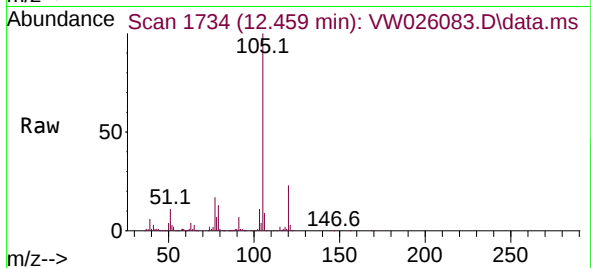
Tgt Ion:105 Resp: 127475

Ion Ratio Lower Upper

105 100

120 25.1 19.8 29.8

77 16.5 13.3 19.9



#61

1,2,3-Trichloropropane

Concen: 3.062 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VW026083.D

Acq: 30 May 2023 12:10

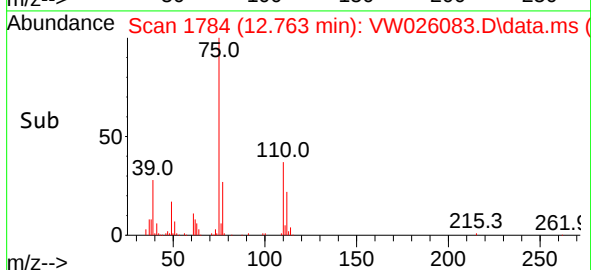
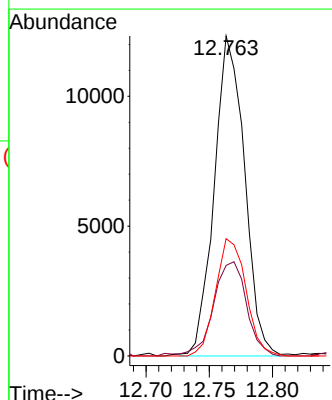
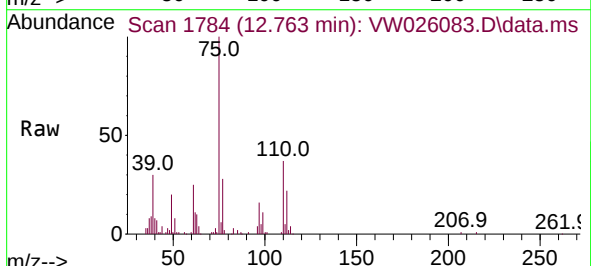
Tgt Ion: 75 Resp: 20512

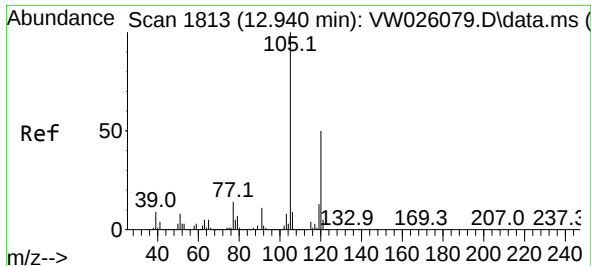
Ion Ratio Lower Upper

75 100

77 32.0 25.2 37.8

110 36.7 28.7 43.1





#62

1,3,5-Trimethylbenzene

Concen: 2.560 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW026083.D

Acq: 30 May 2023 12:10

Instrument :

MSVOA_W

ClientSampleId :

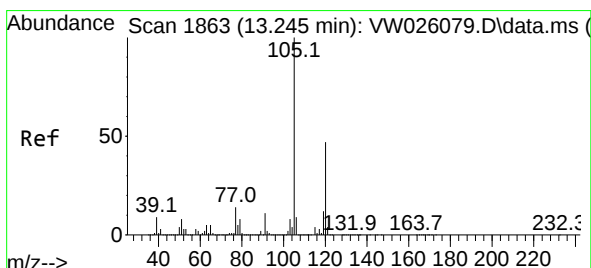
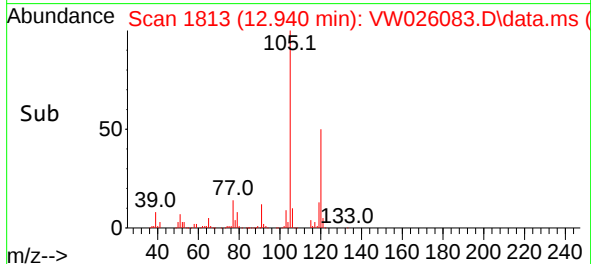
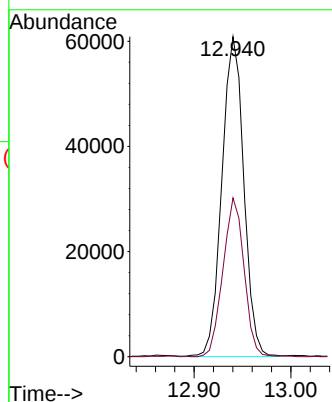
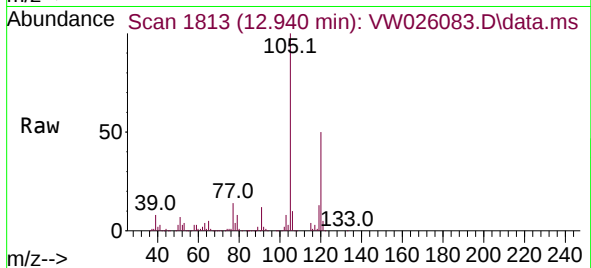
VSTD2.5463

Tgt Ion:105 Resp: 95615

Ion Ratio Lower Upper

105 100

120 47.6 38.8 58.2



#63

1,2,4-Trimethylbenzene

Concen: 2.561 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. 0.000 min

Lab File: VW026083.D

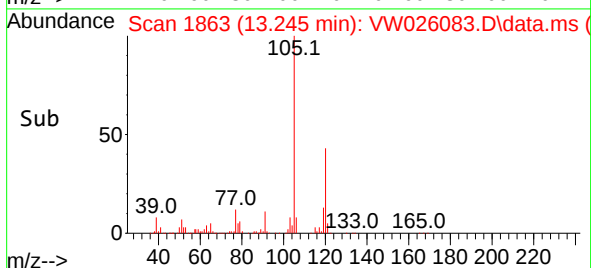
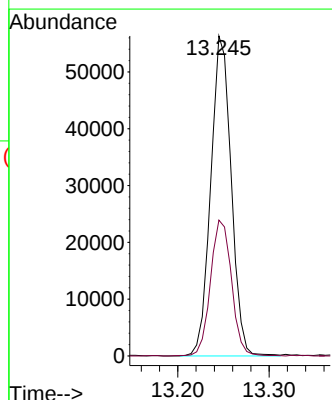
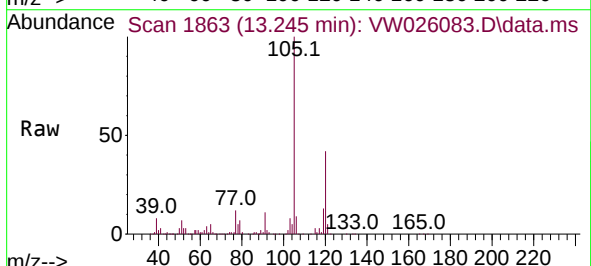
Acq: 30 May 2023 12:10

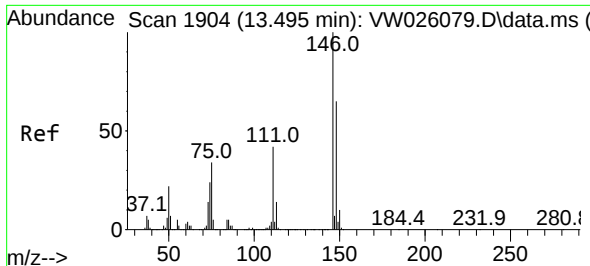
Tgt Ion:105 Resp: 87606

Ion Ratio Lower Upper

105 100

120 43.6 36.2 54.2

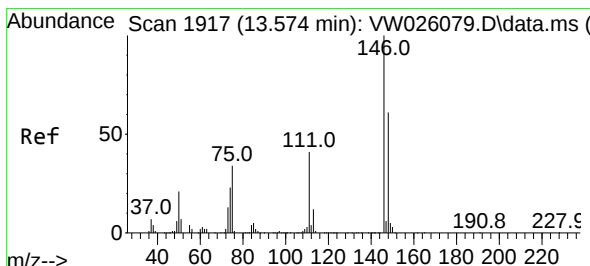
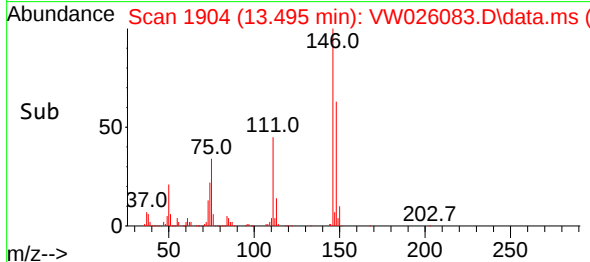
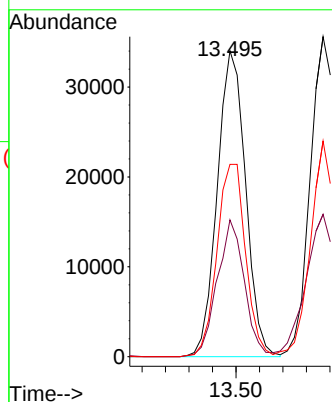
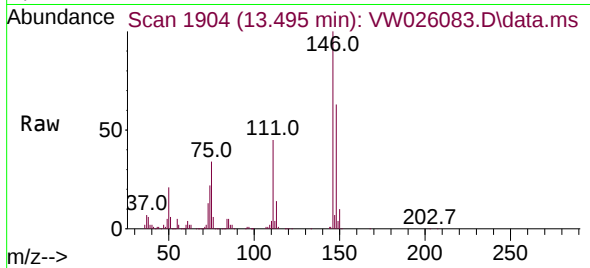




#64
1,3-Dichlorobenzene
Concen: 2.888 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW026083.D
Acq: 30 May 2023 12:10

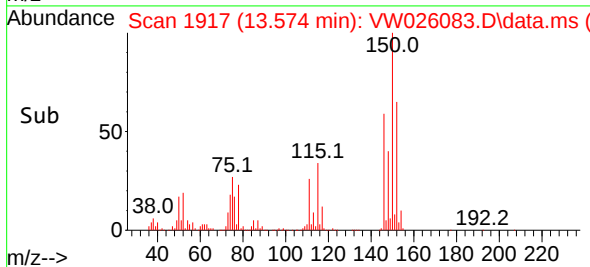
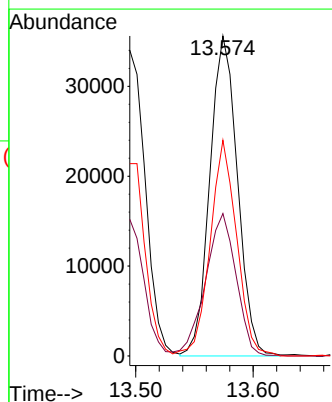
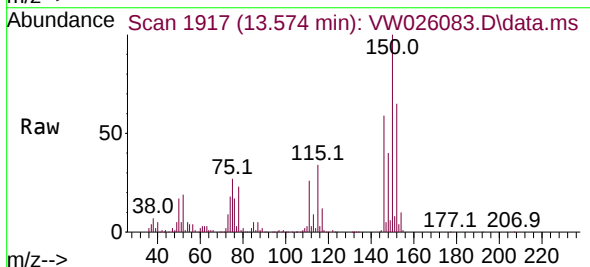
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5463

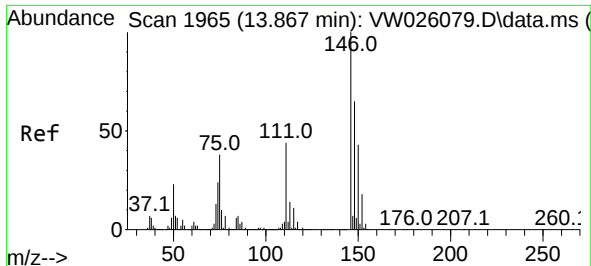
Tgt Ion:146 Resp: 57049
Ion Ratio Lower Upper
146 100
111 44.7 29.7 55.1
148 62.9 45.4 84.4



#65
1,4-Dichlorobenzene
Concen: 2.934 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW026083.D
Acq: 30 May 2023 12:10

Tgt Ion:146 Resp: 58342
Ion Ratio Lower Upper
146 100
111 44.5 29.2 54.2
148 67.4 42.8 79.6





#67

1,2-Dichlorobenzene

Concen: 2.967 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW026083.D

Acq: 30 May 2023 12:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5463

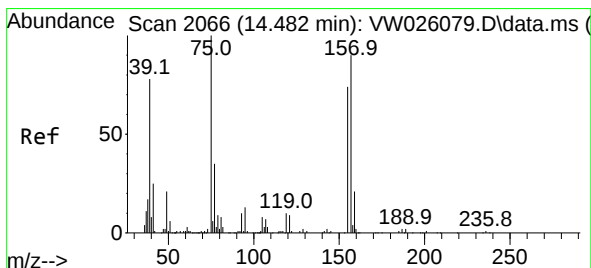
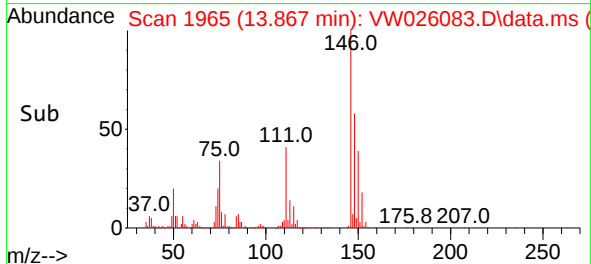
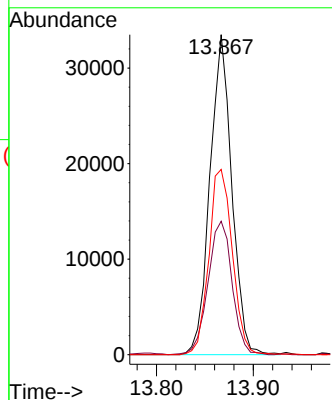
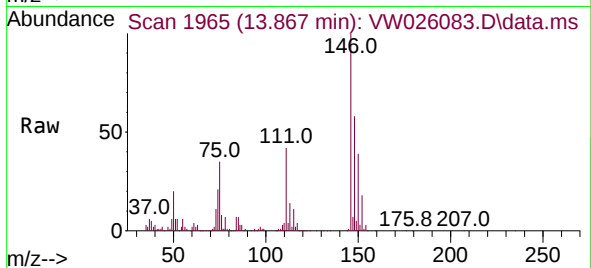
Tgt Ion:146 Resp: 52627

Ion Ratio Lower Upper

146 100

111 41.7 35.4 53.0

148 57.9 51.7 77.5



#68

1,2-Dibromo-3-chloropropane

Concen: 3.075 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. -0.006 min

Lab File: VW026083.D

Acq: 30 May 2023 12:10

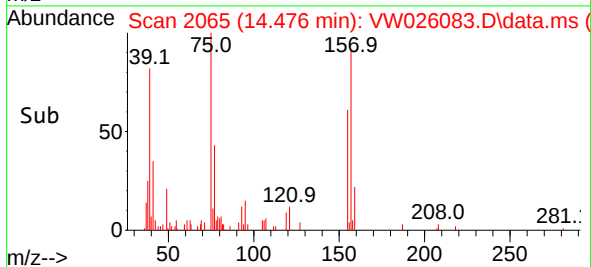
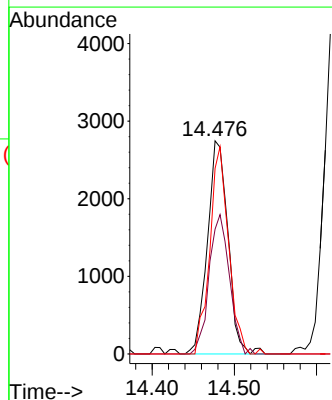
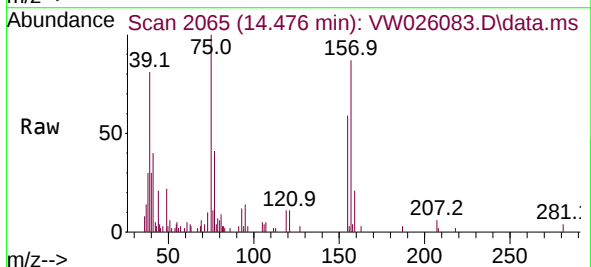
Tgt Ion: 75 Resp: 4773

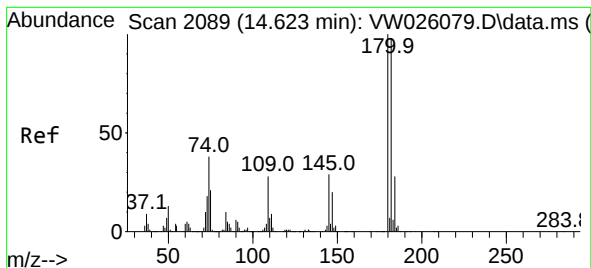
Ion Ratio Lower Upper

75 100

155 58.5 59.0 88.6#

157 87.1 71.7 107.5





#69

1,3,5-Trichlorobenzene

Concen: 2.912 ug/L

RT: 14.629 min Scan# 2089

Delta R.T. 0.006 min

Lab File: VW026083.D

Acq: 30 May 2023 12:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5463

Tgt Ion:180 Resp: 39518

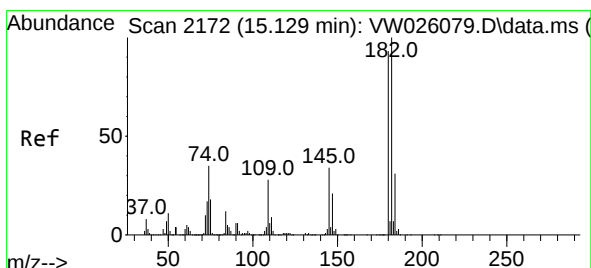
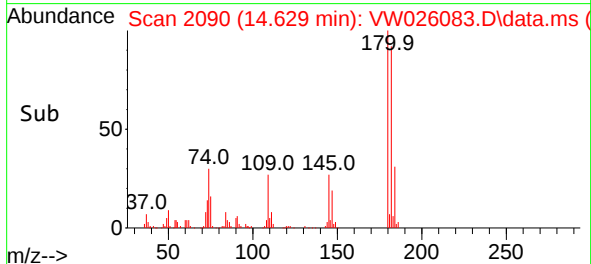
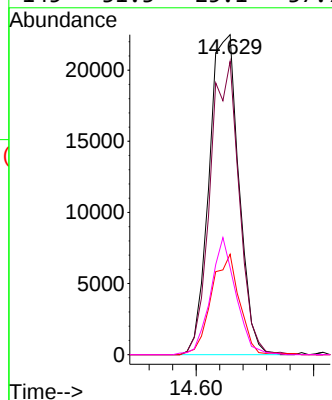
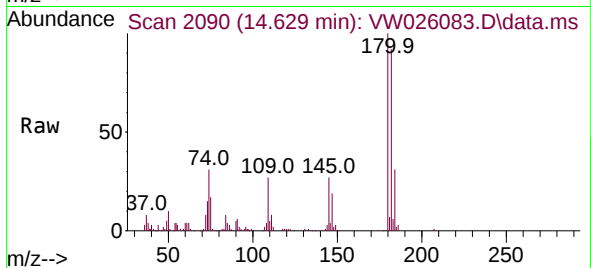
Ion Ratio Lower Upper

180 100

182 88.8 77.0 115.4

184 29.5 23.7 35.5

145 31.3 25.1 37.7



#70

1,2,4-trichlorobenzene

Concen: 2.818 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW026083.D

Acq: 30 May 2023 12:10

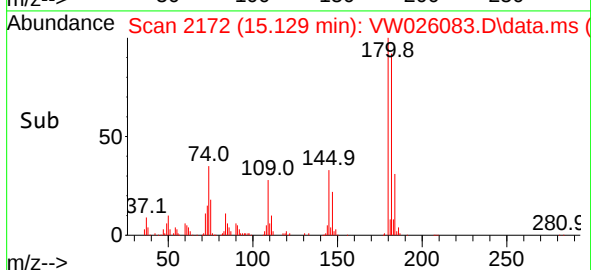
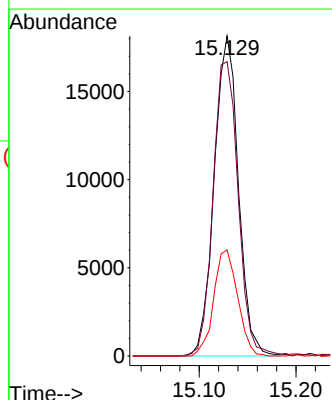
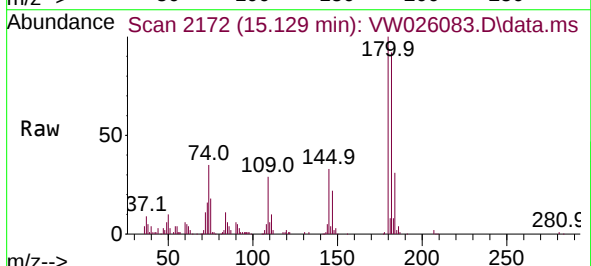
Tgt Ion:180 Resp: 31547

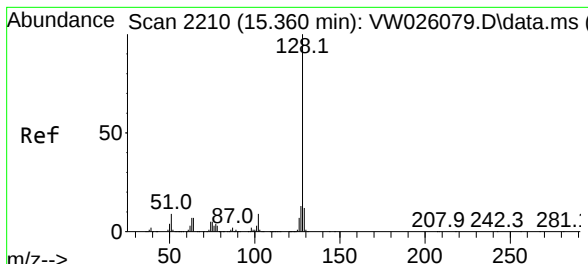
Ion Ratio Lower Upper

180 100

182 95.3 78.9 118.3

145 32.7 27.2 40.8

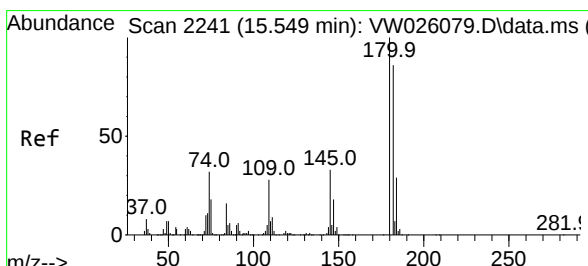
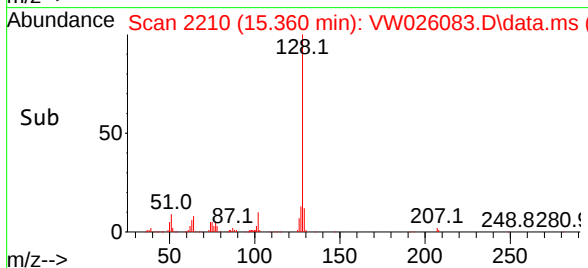
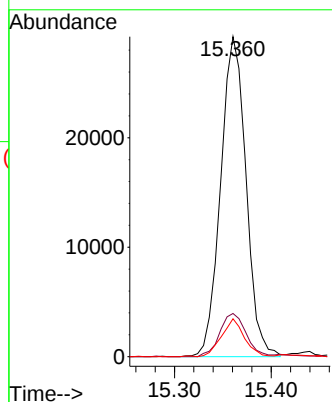
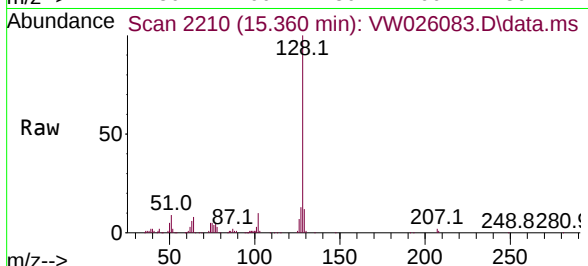




#71
Naphthalene
Concen: 2.668 ug/L
RT: 15.360 min Scan# 2110
Delta R.T. 0.000 min
Lab File: VW026083.D
Acq: 30 May 2023 12:10

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5463

Tgt Ion:128 Resp: 53240
Ion Ratio Lower Upper
128 100
127 14.0 10.6 15.8
129 10.7 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 3.033 ug/L
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW026083.D
Acq: 30 May 2023 12:10

Tgt Ion:180 Resp: 29676
Ion Ratio Lower Upper
180 100
182 97.3 76.3 114.5
145 35.3 27.0 40.6

