

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
 Data File : VW026432.D
 Acq On : 29 Jun 2023 12:43
 Operator : SY/MD
 Sample : VSTD00572
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005472

Quant Time: Jun 30 00:48:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Jun 30 00:47:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	928221	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	804094	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	380641	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	48358	4.577	ug/L	0.00
7) Chloroethane-d5	2.893	69	38594	4.488	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.021	65	25647	4.791	ug/L	0.00
21) 2-Butanone-d5	7.081	46	40382	10.144	ug/L	0.00
24) Chloroform-d	7.648	84	111294	4.919	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.301	65	61279	4.955	ug/L	0.00
32) Benzene-d6	8.270	84	234663	5.018	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.270	67	74046	4.968	ug/L	0.00
41) Toluene-d8	10.319	98	209977	5.083	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.575	79	29719	4.947	ug/L	0.00
47) 2-Hexanone-d5	10.922	63	24732	9.922	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.690	84	55088	4.787	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.855	152	66853	5.044	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.015	85	35660	4.007	ug/L	96
3) Chloromethane	2.216	50	60228	4.717	ug/L	99
5) Vinyl chloride	2.369	62	66320	5.040	ug/L	99
6) Bromomethane	2.777	94	34974	4.670	ug/L	98
8) Chloroethane	2.930	64	37250	4.668	ug/L	98
9) Trichlorofluoromethane	3.265	101	40291	4.211	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	52350	5.000	ug/L	94
12) 1,1-Dichloroethene	4.039	96	53937	5.207	ug/L	92
13) Acetone	4.112	43	37888	13.428	ug/L	97
14) Carbon disulfide	4.387	76	171890	5.110	ug/L	99
15) Methyl Acetate	4.667	43	31555	5.151	ug/L	95
16) Methylene chloride	4.917	84	112912	7.237	ug/L	97
17) trans-1,2-Dichloroethene	5.423	96	58103	5.196	ug/L	95
18) Methyl tert-butyl Ether	5.423	73	92812	5.079	ug/L #	79
19) 1,1-Dichloroethane	6.210	63	116789	5.191	ug/L	99
20) cis-1,2-Dichloroethene	7.167	96	61886	4.886	ug/L	96
22) 2-Butanone	7.173	43	50977	11.020	ug/L	76
23) Bromochloromethane	7.514	128	26602	5.050	ug/L	89
25) Chloroform	7.673	83	106681	4.885	ug/L	96
27) 1,2-Dichloroethane	8.398	62	74625	4.998	ug/L	98
29) Cyclohexane	7.953	56	110203	4.835	ug/L	98
30) 1,1,1-Trichloroethane	7.868	97	84562	4.937	ug/L	99
31) Carbon tetrachloride	8.063	117	75024	4.865	ug/L	98
33) Benzene	8.319	78	251834	5.001	ug/L	100
34) Trichloroethene	9.087	95	63939	4.985	ug/L	96
35) Methylcyclohexane	9.337	83	112933	4.942	ug/L	98
37) 1,2-Dichloropropane	9.368	63	66923	5.006	ug/L	99
38) Bromodichloromethane	9.642	83	72224	4.814	ug/L	100
39) cis-1,3-Dichloropropene	10.069	75	93750	4.686	ug/L	100
40) 4-Methyl-2-pentanone	10.209	43	87967	9.584	ug/L	99
42) Toluene	10.386	91	256412	4.977	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	75453	4.614	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
 Data File : VW026432.D
 Acq On : 29 Jun 2023 12:43
 Operator : SY/MD
 Sample : VSTD00572
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

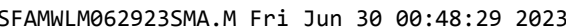
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005472

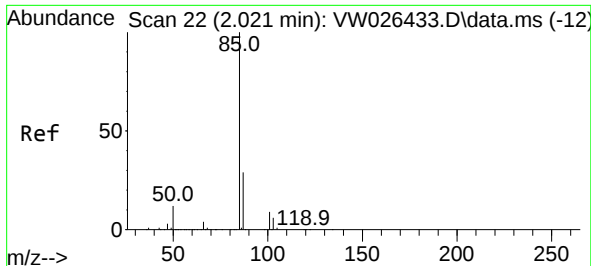
Quant Time: Jun 30 00:48:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Jun 30 00:47:04 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.782	97	46293	5.084	ug/L	97
46) Tetrachloroethene	10.855	164	46165	5.091	ug/L	95
48) 2-Hexanone	10.965	43	63363	10.285	ug/L	99
49) Dibromochloromethane	11.123	129	41614	4.588	ug/L	96
50) 1,2-Dibromoethane	11.233	107	41600	4.968	ug/L #	95
51) Chlorobenzene	11.654	112	159691	5.010	ug/L	99
52) Ethylbenzene	11.727	91	287558	4.960	ug/L	99
53) m,p-Xylene	11.837	106	106542	4.956	ug/L	99
54) o-Xylene	12.166	106	95798	4.805	ug/L	89
55) Styrene	12.178	104	168426	4.949	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.708	83	54841	4.932	ug/L	100
59) Bromoform	12.349	173	23642	4.691	ug/L	94
60) Isopropylbenzene	12.459	105	280185	5.047	ug/L	100
61) 1,2,3-Trichloropropane	12.763	75	40752	4.898	ug/L	97
62) 1,3,5-Trimethylbenzene	12.940	105	216030	4.893	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	197030	4.568	ug/L	100
64) 1,3-Dichlorobenzene	13.495	146	117149	5.029	ug/L	96
65) 1,4-Dichlorobenzene	13.574	146	116441	5.026	ug/L	96
67) 1,2-Dichlorobenzene	13.867	146	101186	4.800	ug/L	94
68) 1,2-Dibromo-3-chloropr...	14.483	75	9388	4.946	ug/L	92
69) 1,3,5-Trichlorobenzene	14.623	180	73127	4.612	ug/L	92
70) 1,2,4-trichlorobenzene	15.129	180	66316	4.832	ug/L	99
71) Naphthalene	15.360	128	122898	4.393	ug/L	97
72) 1,2,3-Trichlorobenzene	15.549	180	56018	4.746	ug/L	99

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

Quant Time: Jun 30 00:48:21 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Jun 30 00:47:04 2023
Response via : Initial Calibration

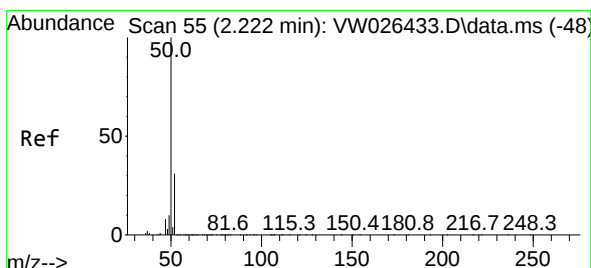
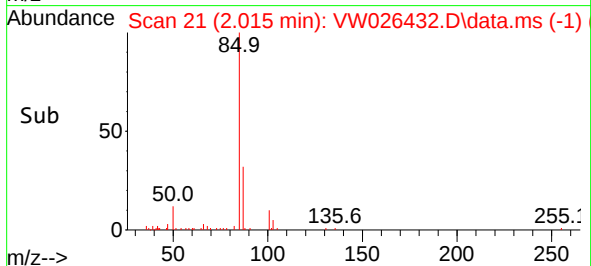
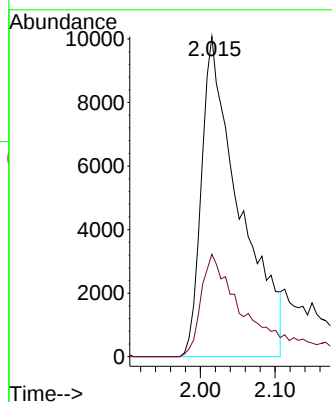
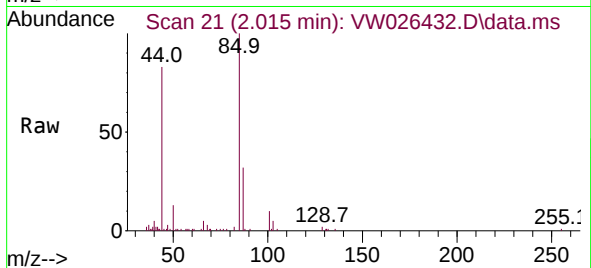




#2
 Dichlorodifluoromethane
 Concen: 4.007 ug/L
 RT: 2.015 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VW026432.D
 Acq: 29 Jun 2023 12:43

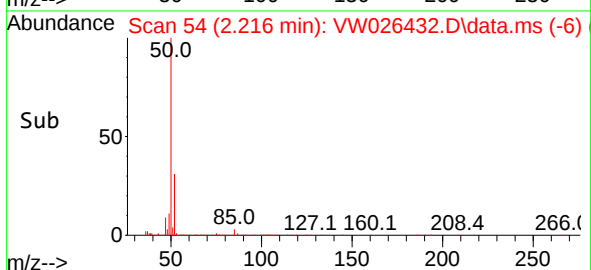
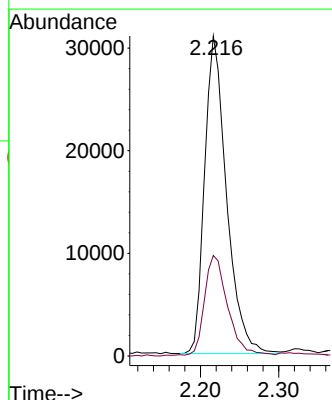
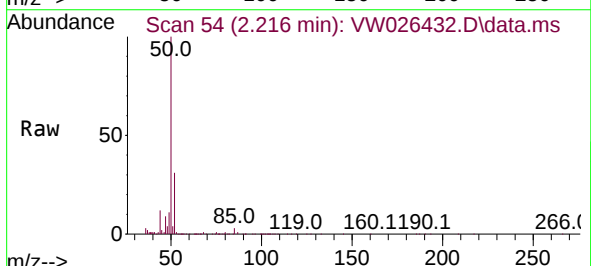
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005472

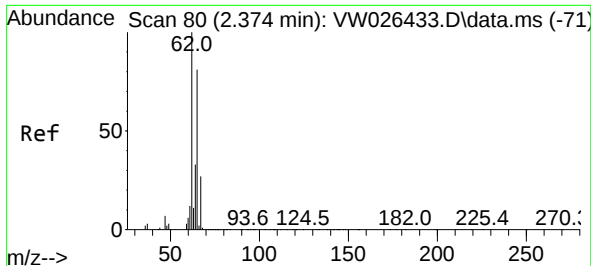
Tgt Ion: 85 Resp: 35660
 Ion Ratio Lower Upper
 85 100
 87 25.5 19.0 28.4



#3
 Chloromethane
 Concen: 4.717 ug/L
 RT: 2.216 min Scan# 54
 Delta R.T. -0.006 min
 Lab File: VW026432.D
 Acq: 29 Jun 2023 12:43

Tgt Ion: 50 Resp: 60228
 Ion Ratio Lower Upper
 50 100
 52 31.4 21.7 40.3

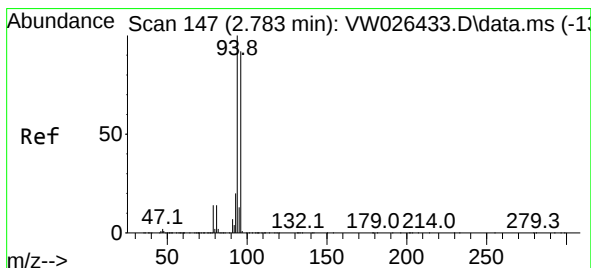
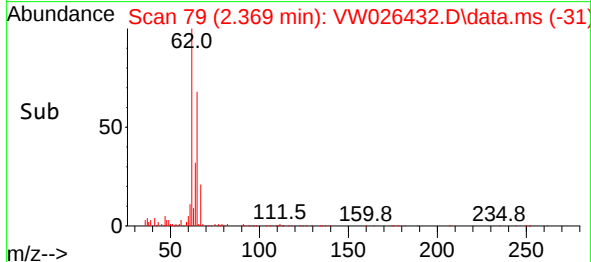
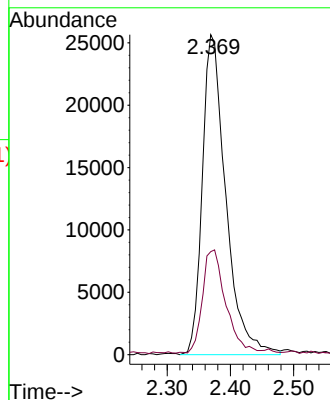
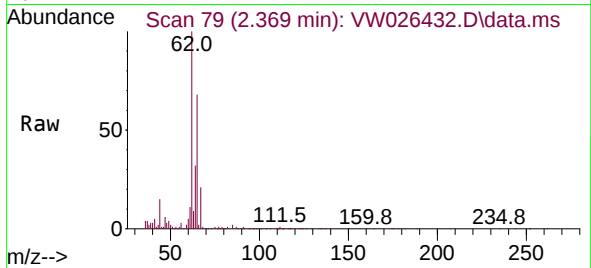




#5
 Vinyl chloride
 Concen: 5.040 ug/L
 RT: 2.369 min Scan# 79
 Delta R.T. -0.006 min
 Lab File: VW026432.D
 Acq: 29 Jun 2023 12:43

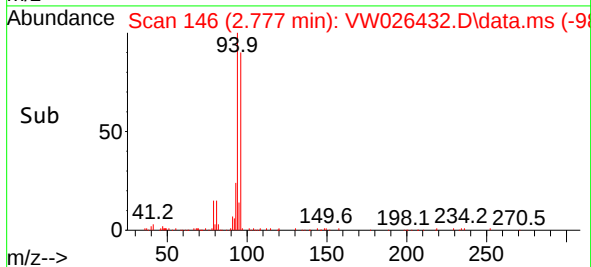
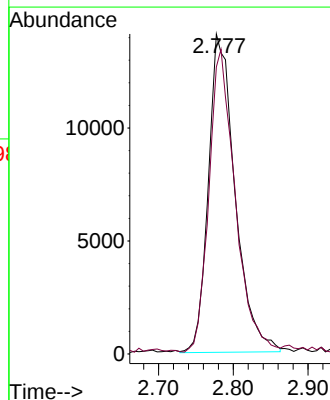
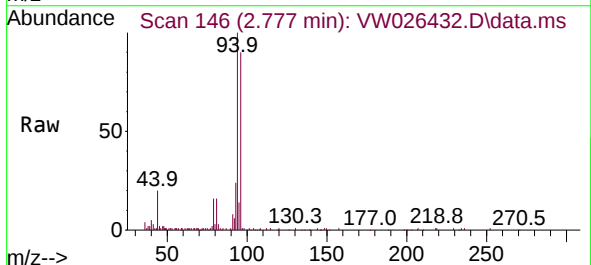
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005472

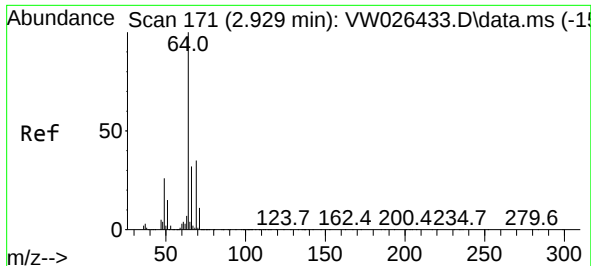
Tgt Ion: 62 Resp: 66320
 Ion Ratio Lower Upper
 62 100
 64 32.2 23.0 42.8



#6
 Bromomethane
 Concen: 4.670 ug/L
 RT: 2.777 min Scan# 146
 Delta R.T. -0.006 min
 Lab File: VW026432.D
 Acq: 29 Jun 2023 12:43

Tgt Ion: 94 Resp: 34974
 Ion Ratio Lower Upper
 94 100
 96 89.7 64.3 119.3

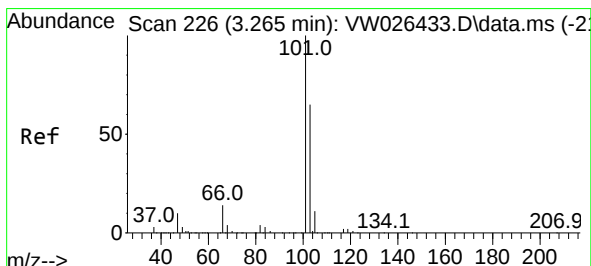
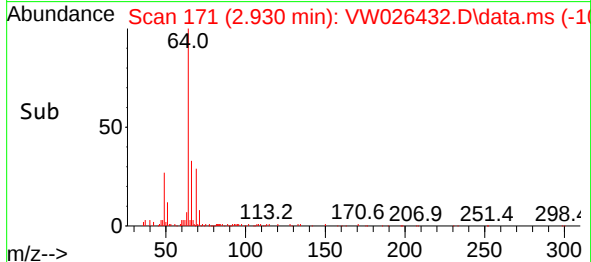
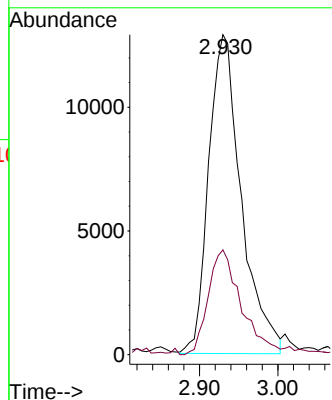
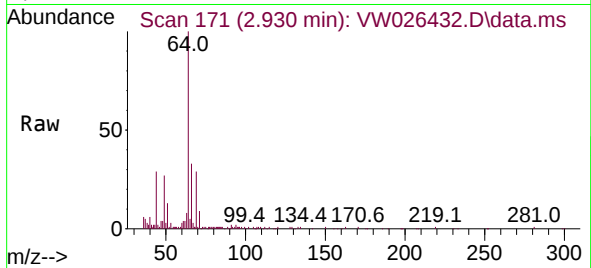




#8
Chloroethane
Concen: 4.668 ug/L
RT: 2.930 min Scan# 171
Delta R.T. 0.000 min
Lab File: VW026432.D
Acq: 29 Jun 2023 12:43

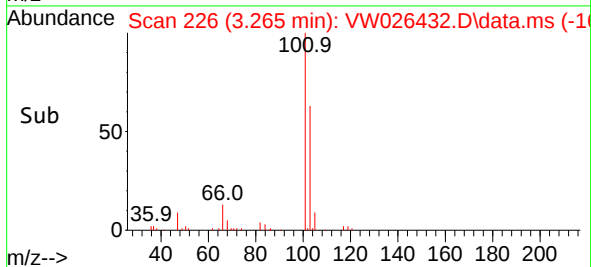
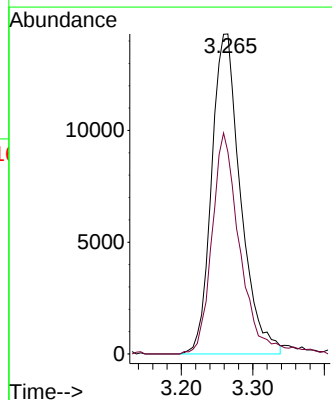
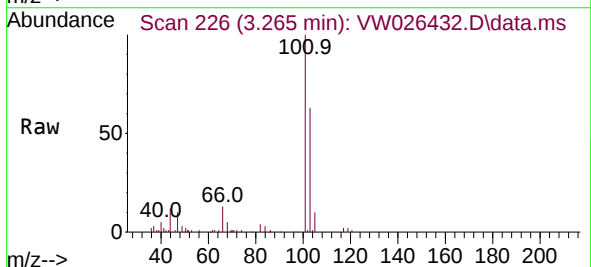
Instrument :
MSVOA_W
ClientSampleId :
VSTD005472

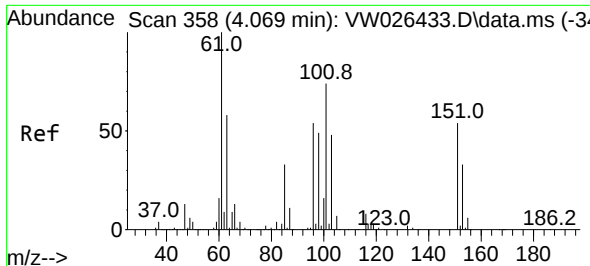
Tgt Ion: 64 Resp: 37250
Ion Ratio Lower Upper
64 100
66 32.7 22.1 41.1



#9
Trichlorofluoromethane
Concen: 4.211 ug/L
RT: 3.265 min Scan# 226
Delta R.T. 0.000 min
Lab File: VW026432.D
Acq: 29 Jun 2023 12:43

Tgt Ion: 101 Resp: 40291
Ion Ratio Lower Upper
101 100
103 65.6 52.0 78.0

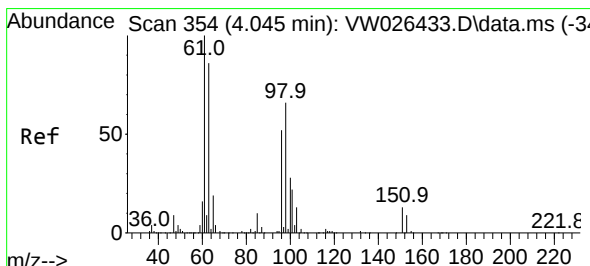
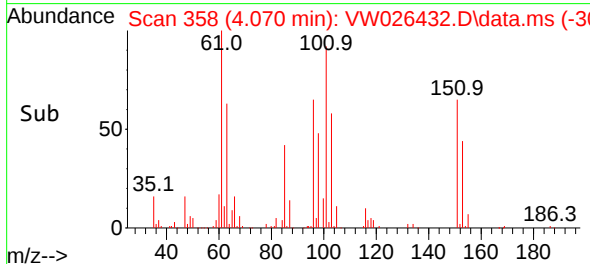
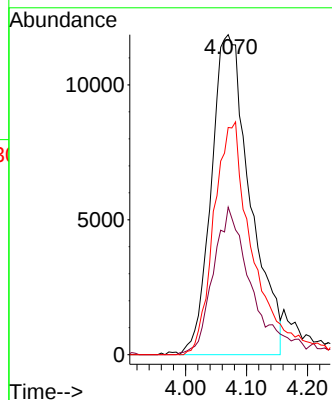
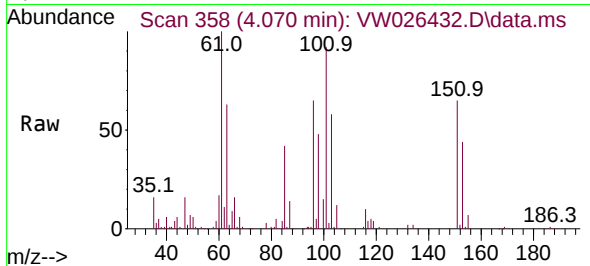




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.000 ug/L
 RT: 4.070 min Scan# 358
 Delta R.T. 0.000 min
 Lab File: VW026432.D
 Acq: 29 Jun 2023 12:43

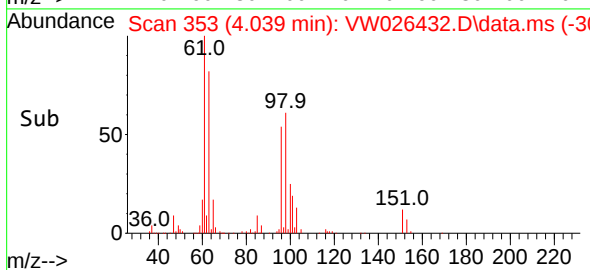
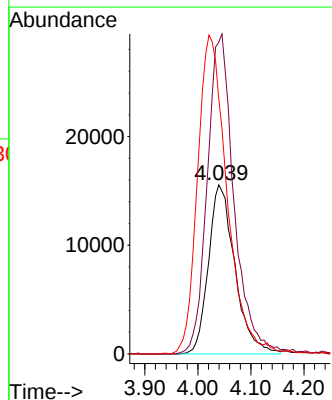
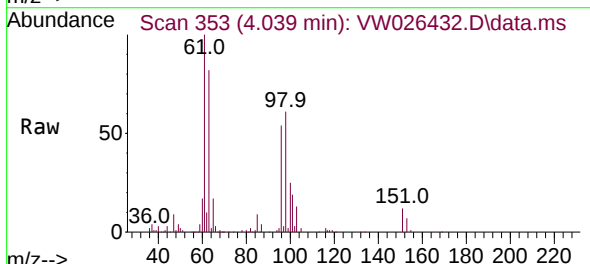
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005472

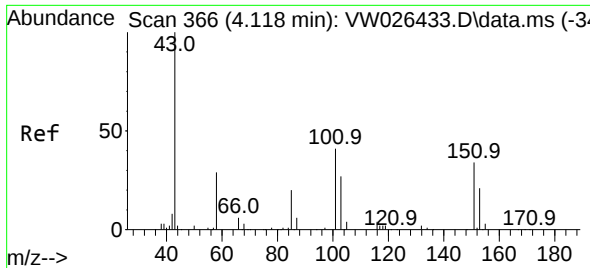
Tgt Ion: 101 Resp: 52350
 Ion Ratio Lower Upper
 101 100
 85 40.5 34.1 51.1
 151 73.4 53.7 80.5



#12
 1,1-Dichloroethene
 Concen: 5.207 ug/L
 RT: 4.039 min Scan# 353
 Delta R.T. -0.006 min
 Lab File: VW026432.D
 Acq: 29 Jun 2023 12:43

Tgt Ion: 96 Resp: 53937
 Ion Ratio Lower Upper
 96 100
 61 184.3 134.0 248.8
 63 150.8 117.1 217.5

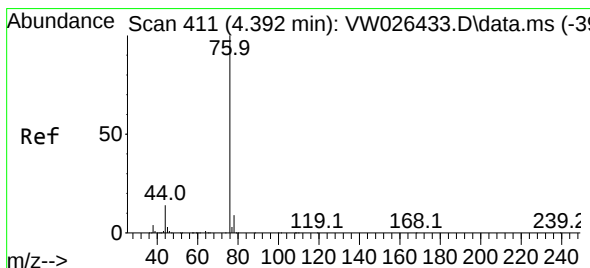
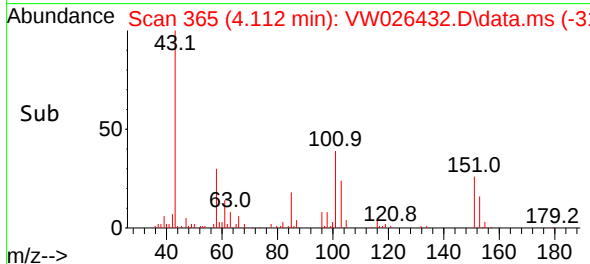
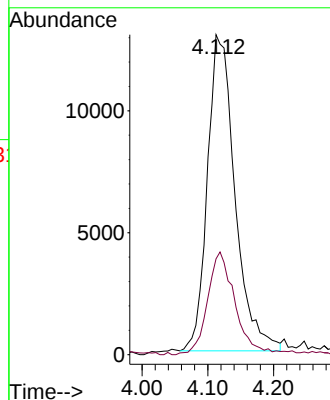
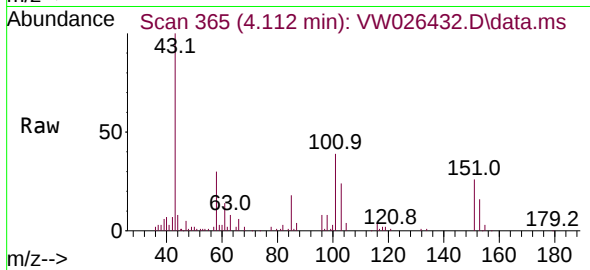




#13
Acetone
Concen: 13.428 ug/L
RT: 4.112 min Scan# 30
Delta R.T. -0.006 min
Lab File: VW026432.D
Acq: 29 Jun 2023 12:43

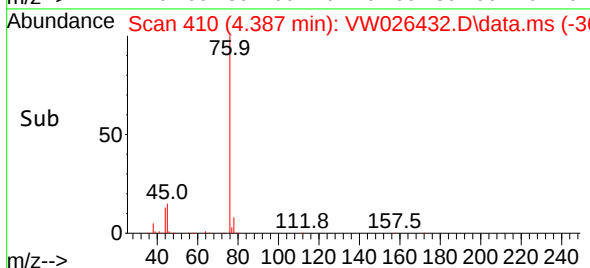
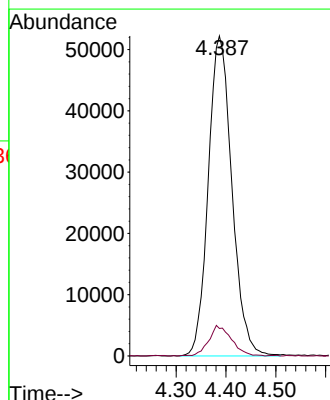
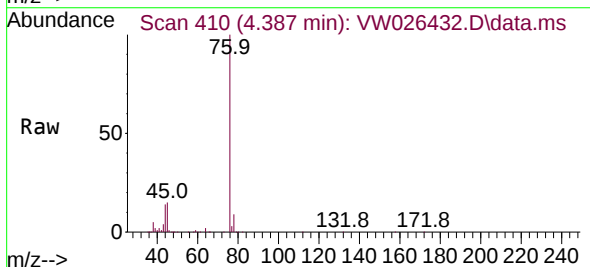
Instrument :
MSVOA_W
ClientSampleId :
VSTD005472

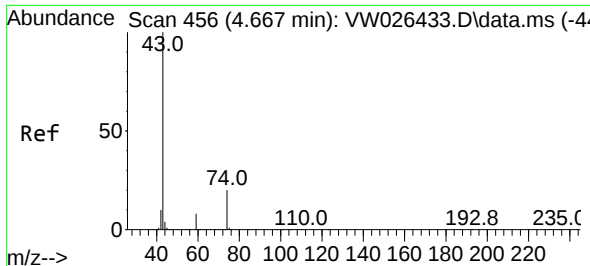
Tgt Ion: 43 Resp: 37888
Ion Ratio Lower Upper
43 100
58 29.9 0.0 63.2



#14
Carbon disulfide
Concen: 5.110 ug/L
RT: 4.387 min Scan# 410
Delta R.T. -0.006 min
Lab File: VW026432.D
Acq: 29 Jun 2023 12:43

Tgt Ion: 76 Resp: 171890
Ion Ratio Lower Upper
76 100
78 8.6 7.1 10.7

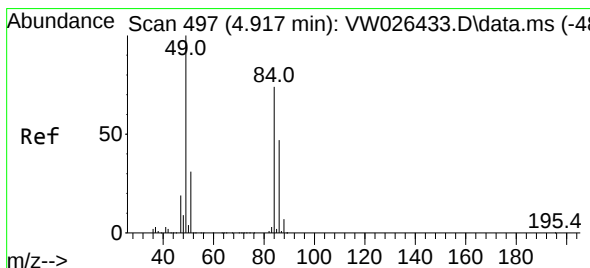
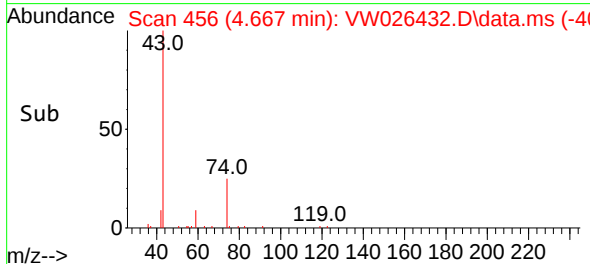
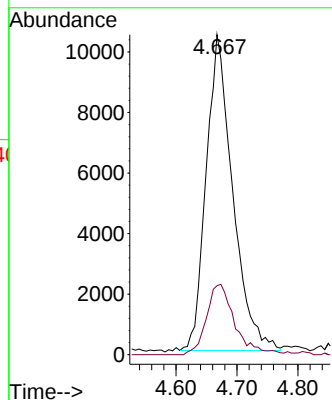
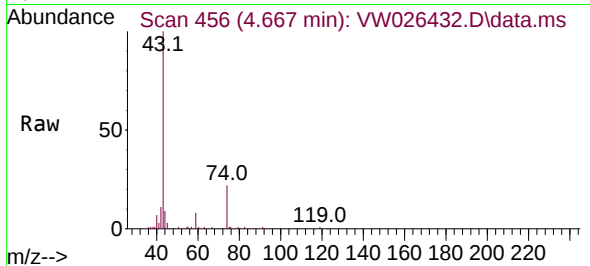




#15
Methyl Acetate
Concen: 5.151 ug/L
RT: 4.667 min Scan# 456
Delta R.T. 0.000 min
Lab File: VW026432.D
Acq: 29 Jun 2023 12:43

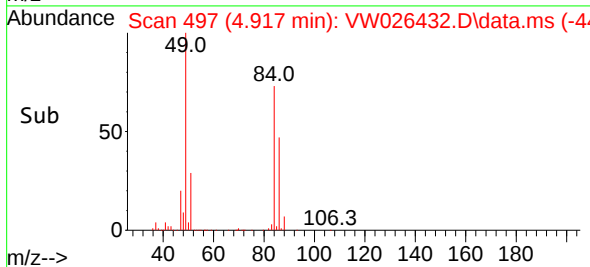
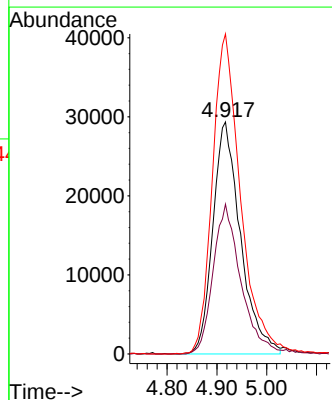
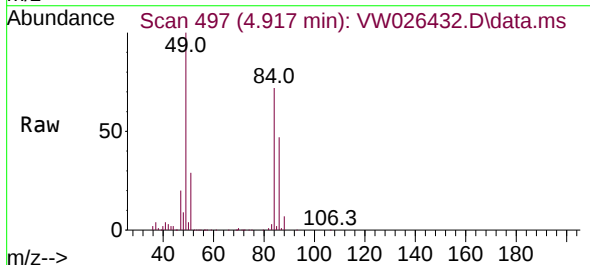
Instrument :
MSVOA_W
ClientSampleId :
VSTD005472

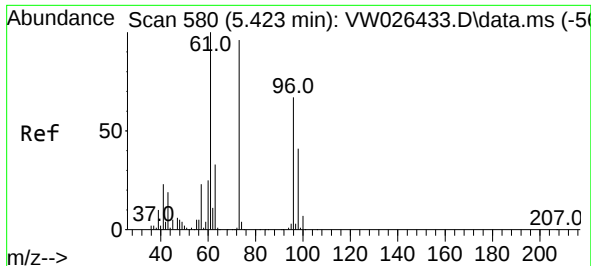
Tgt Ion: 43 Resp: 31555
Ion Ratio Lower Upper
43 100
74 23.3 16.6 24.8



#16
Methylene chloride
Concen: 7.237 ug/L
RT: 4.917 min Scan# 497
Delta R.T. 0.000 min
Lab File: VW026432.D
Acq: 29 Jun 2023 12:43

Tgt Ion: 84 Resp: 112912
Ion Ratio Lower Upper
84 100
86 64.6 44.1 81.9
49 137.9 94.1 174.8

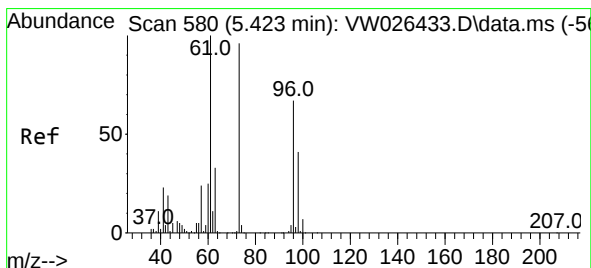
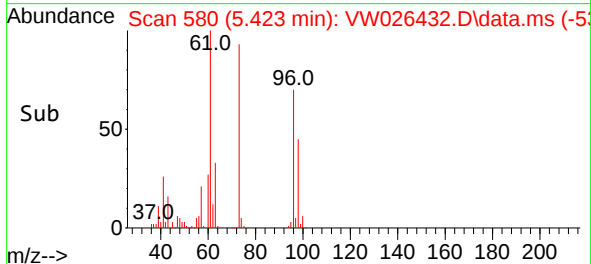
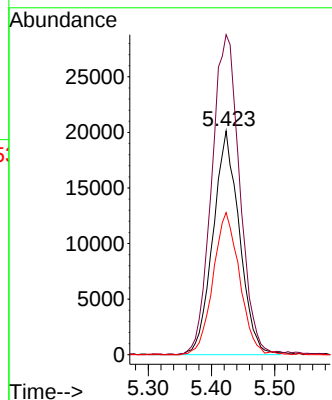
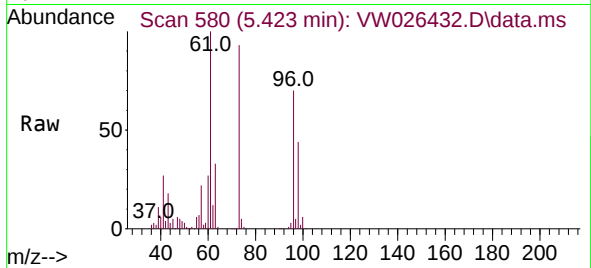




#17
trans-1,2-Dichloroethene
Concen: 5.196 ug/L
RT: 5.423 min Scan# 580
Delta R.T. 0.000 min
Lab File: VW026432.D
Acq: 29 Jun 2023 12:43

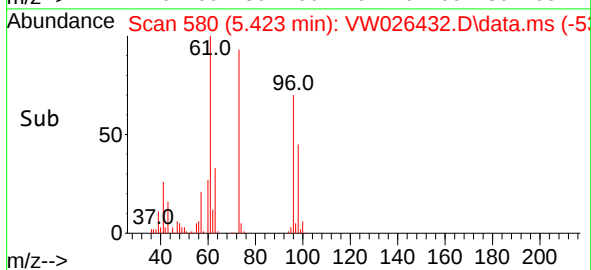
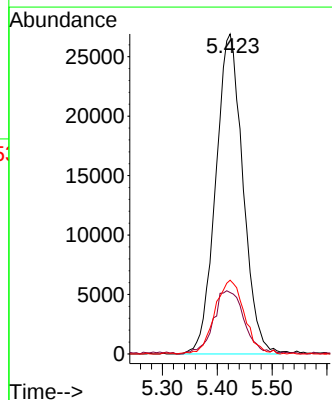
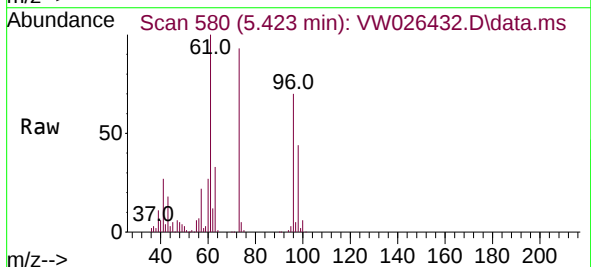
Instrument :
MSVOA_W
ClientSampleId :
VSTD005472

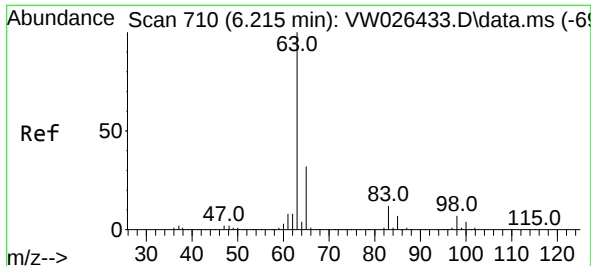
Tgt Ion: 96 Resp: 58103
Ion Ratio Lower Upper
96 100
61 143.0 105.2 195.4
98 63.5 43.2 80.2



#18
Methyl tert-butyl Ether
Concen: 5.079 ug/L
RT: 5.423 min Scan# 580
Delta R.T. 0.000 min
Lab File: VW026432.D
Acq: 29 Jun 2023 12:43

Tgt Ion: 73 Resp: 92812
Ion Ratio Lower Upper
73 100
43 0.0 16.6 25.0#
57 24.7 19.3 28.9





#19

1,1-Dichloroethane

Concen: 5.191 ug/L

RT: 6.210 min Scan# 710

Delta R.T. -0.006 min

Lab File: VW026432.D

Acq: 29 Jun 2023 12:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD005472

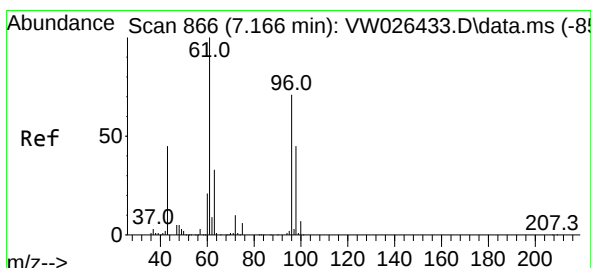
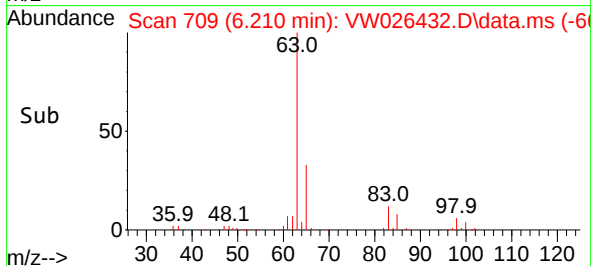
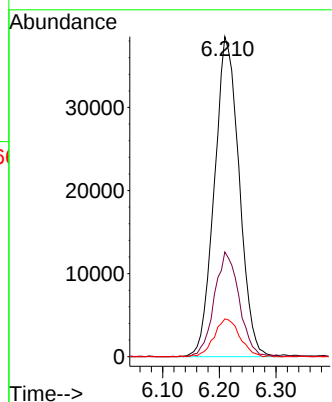
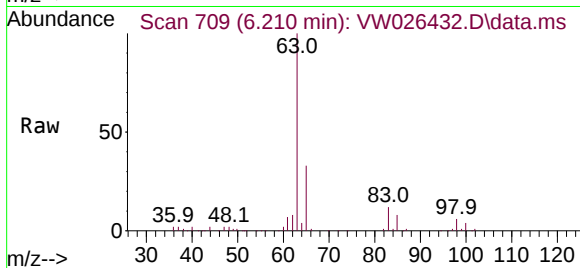
Tgt Ion: 63 Resp: 116789

Ion Ratio Lower Upper

63 100

65 32.7 22.3 41.5

83 11.8 8.3 15.3



#20

cis-1,2-Dichloroethene

Concen: 4.886 ug/L

RT: 7.167 min Scan# 866

Delta R.T. 0.000 min

Lab File: VW026432.D

Acq: 29 Jun 2023 12:43

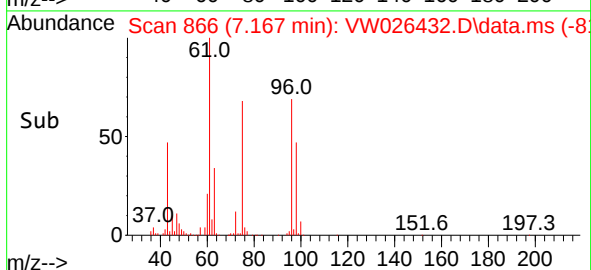
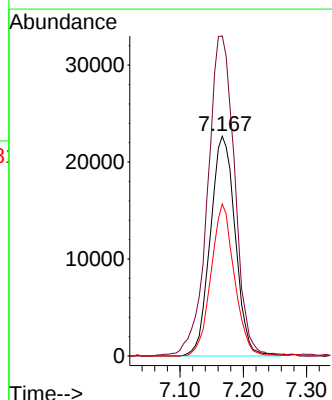
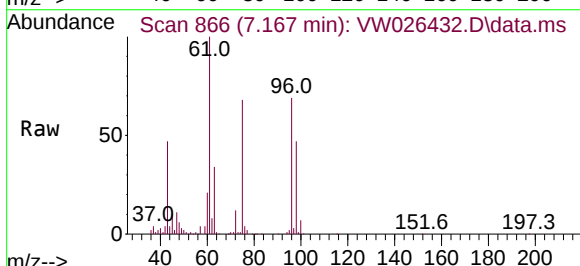
Tgt Ion: 96 Resp: 61886

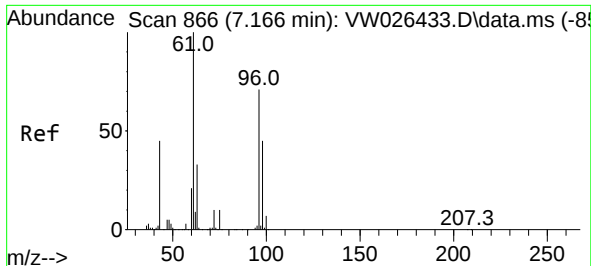
Ion Ratio Lower Upper

96 100

61 145.7 99.3 184.5

98 69.2 44.3 82.3

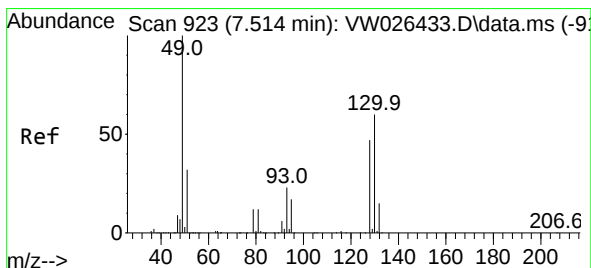
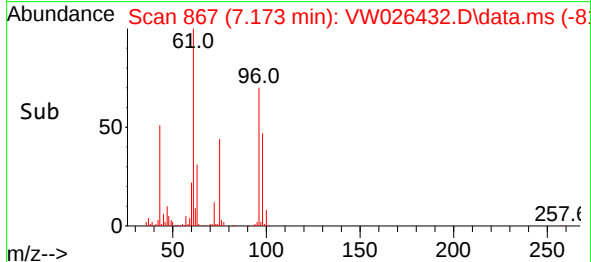
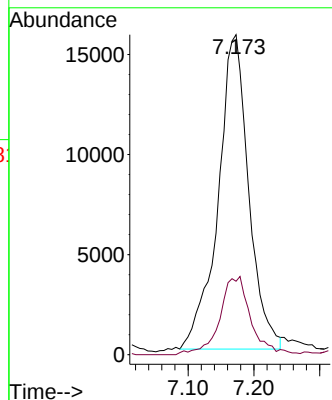
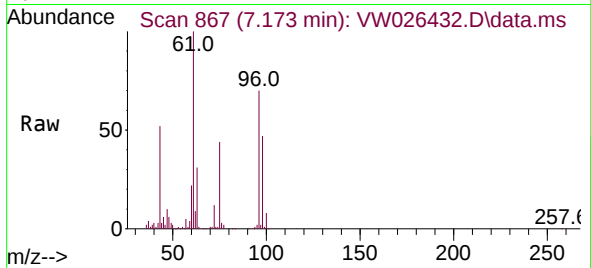




#22
2-Butanone
Concen: 11.020 ug/L
RT: 7.173 min Scan# 867
Delta R.T. 0.007 min
Lab File: VW026432.D
Acq: 29 Jun 2023 12:43

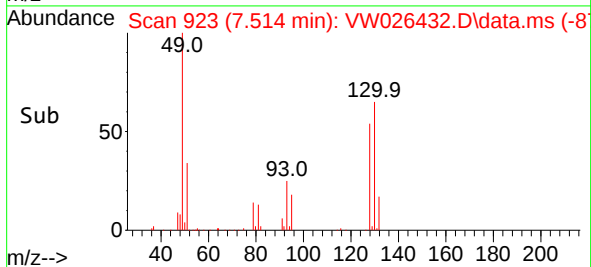
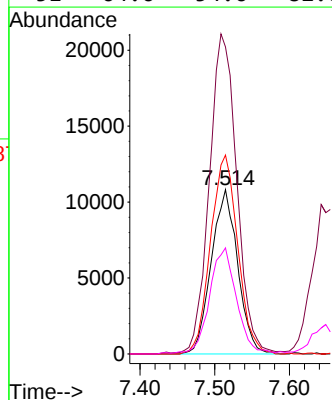
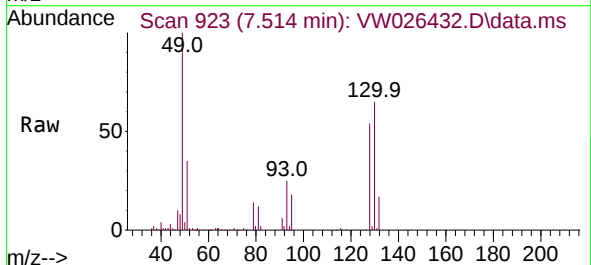
Instrument :
MSVOA_W
ClientSampleId :
VSTD005472

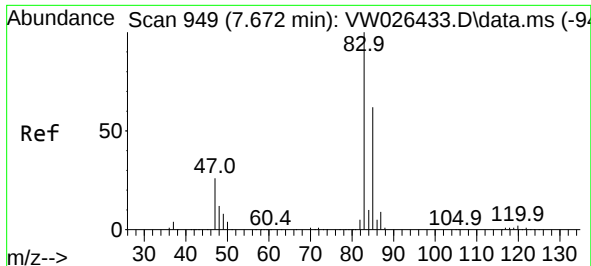
Tgt Ion: 43 Resp: 50977
Ion Ratio Lower Upper
43 100
72 12.9 12.6 37.8



#23
Bromochloromethane
Concen: 5.050 ug/L
RT: 7.514 min Scan# 923
Delta R.T. 0.000 min
Lab File: VW026432.D
Acq: 29 Jun 2023 12:43

Tgt Ion: 128 Resp: 26602
Ion Ratio Lower Upper
128 100
49 186.8 149.2 277.2
130 121.0 89.2 165.8
51 64.6 54.6 82.0

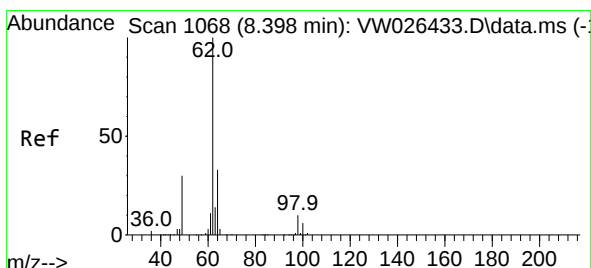
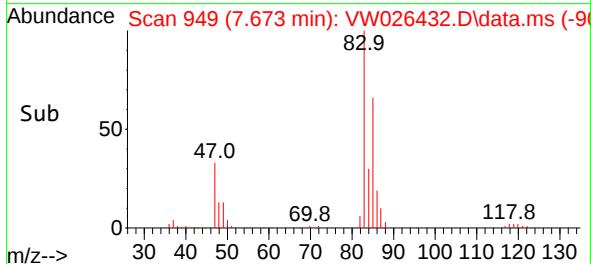
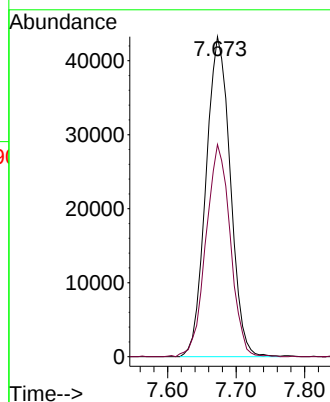
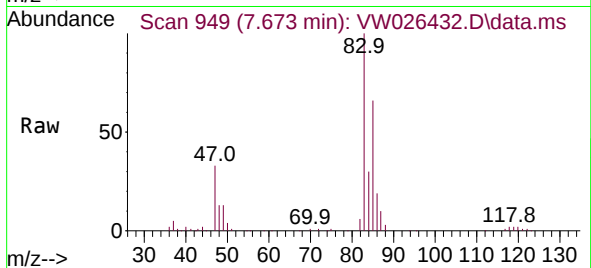




#25
Chloroform
Concen: 4.885 ug/L
RT: 7.673 min Scan# 949
Delta R.T. 0.000 min
Lab File: VW026432.D
Acq: 29 Jun 2023 12:43

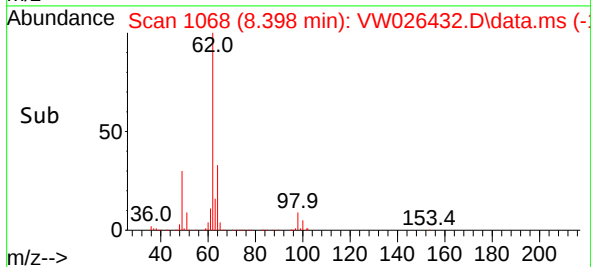
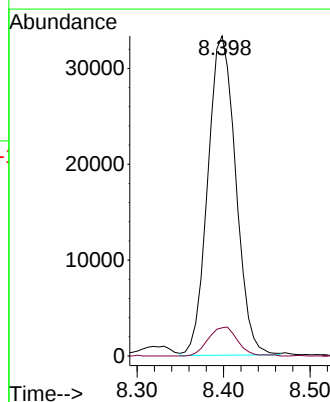
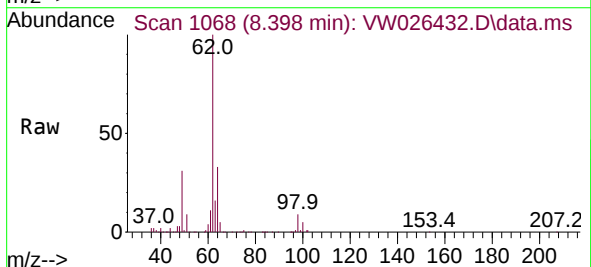
Instrument :
MSVOA_W
ClientSampleId :
VSTD005472

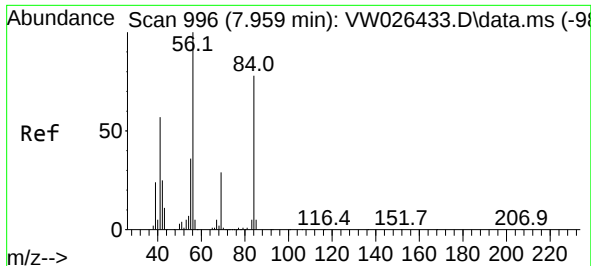
Tgt Ion: 83 Resp: 106681
Ion Ratio Lower Upper
83 100
85 66.3 44.4 82.4



#27
1,2-Dichloroethane
Concen: 4.998 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VW026432.D
Acq: 29 Jun 2023 12:43

Tgt Ion: 62 Resp: 74625
Ion Ratio Lower Upper
62 100
98 8.8 7.6 11.4

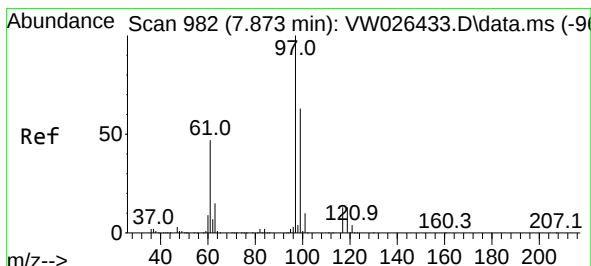
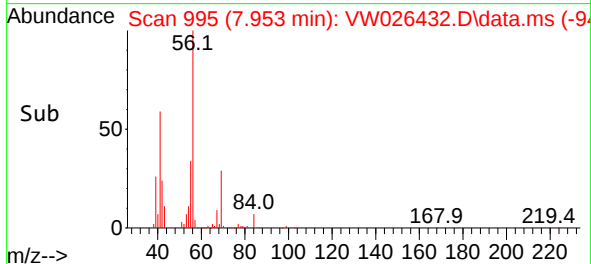
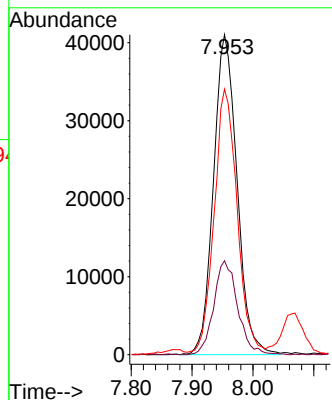
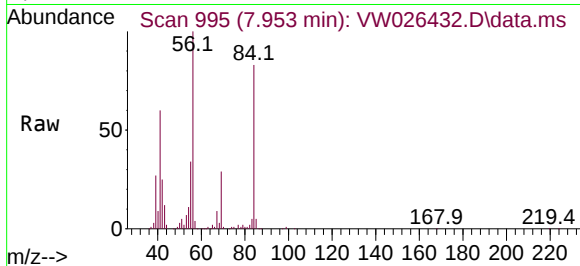




#29
Cyclohexane
Concen: 4.835 ug/L
RT: 7.953 min Scan# 995
Delta R.T. -0.006 min
Lab File: VW026432.D
Acq: 29 Jun 2023 12:43

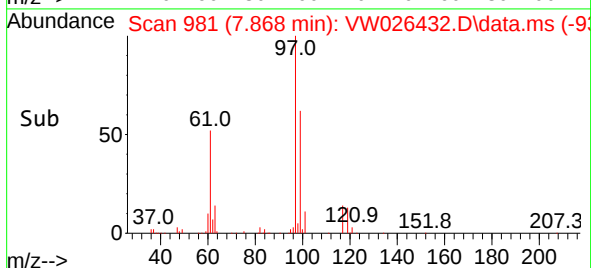
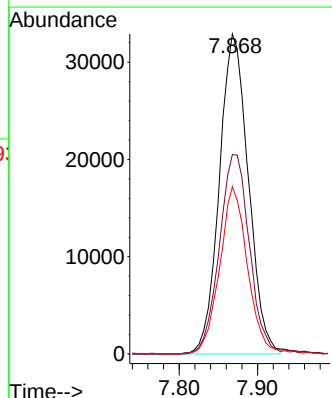
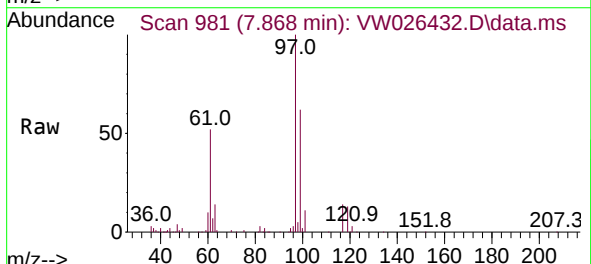
Instrument :
MSVOA_W
ClientSampleId :
VSTD005472

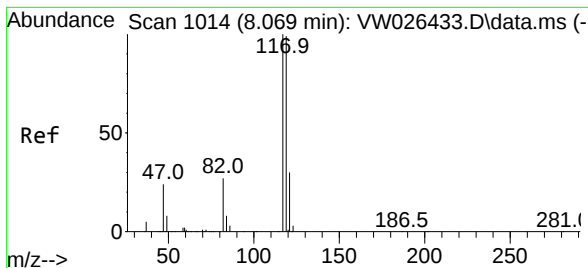
Tgt Ion: 56 Resp: 110203
Ion Ratio Lower Upper
56 100
69 29.7 23.2 34.8
84 81.1 63.5 95.3



#30
1,1,1-Trichloroethane
Concen: 4.937 ug/L
RT: 7.868 min Scan# 981
Delta R.T. -0.006 min
Lab File: VW026432.D
Acq: 29 Jun 2023 12:43

Tgt Ion: 97 Resp: 84562
Ion Ratio Lower Upper
97 100
99 64.6 51.3 76.9
61 50.4 39.5 59.3

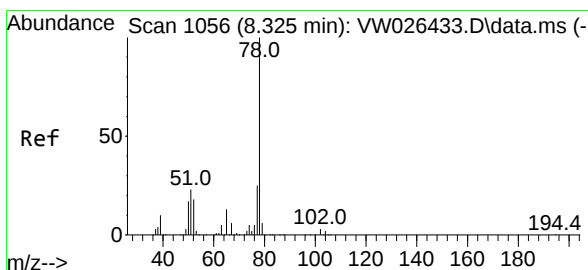
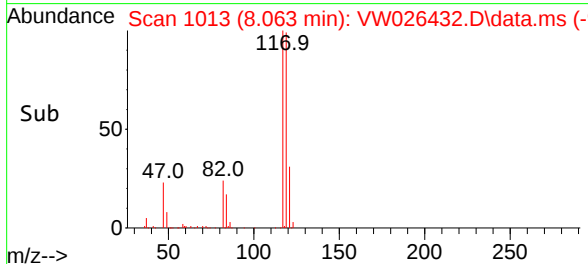
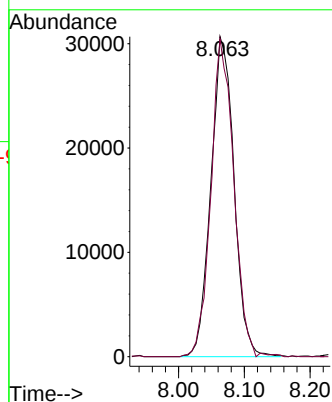
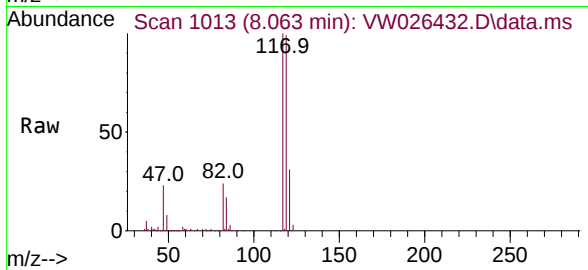




#31
Carbon tetrachloride
Concen: 4.865 ug/L
RT: 8.063 min Scan# 1013
Delta R.T. -0.006 min
Lab File: VW026432.D
Acq: 29 Jun 2023 12:43

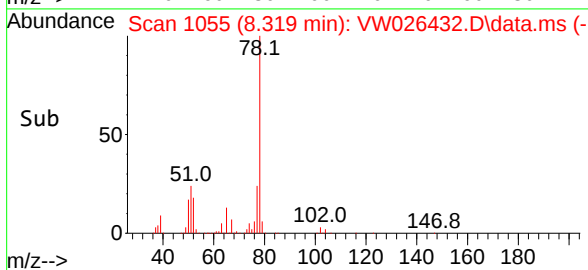
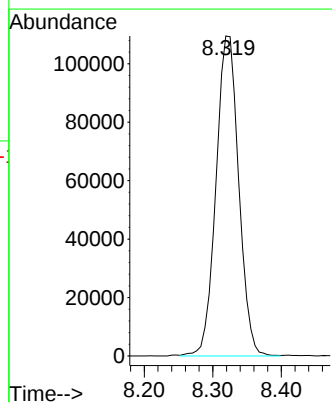
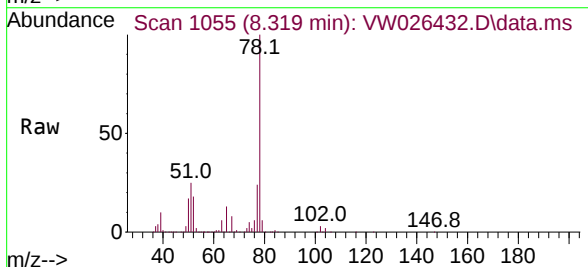
Instrument :
MSVOA_W
ClientSampleId :
VSTD005472

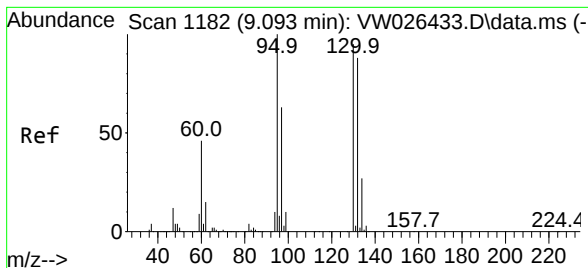
Tgt Ion:117 Resp: 75024
Ion Ratio Lower Upper
117 100
119 97.5 76.2 114.2



#33
Benzene
Concen: 5.001 ug/L
RT: 8.319 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VW026432.D
Acq: 29 Jun 2023 12:43

Tgt Ion: 78 Resp: 251834





#34

Trichloroethene

Concen: 4.985 ug/L

RT: 9.087 min Scan# 1181

Delta R.T. -0.006 min

Lab File: VW026432.D

Acq: 29 Jun 2023 12:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD005472

Tgt Ion: 95 Resp: 63939

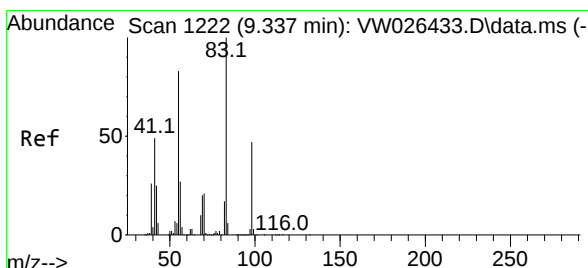
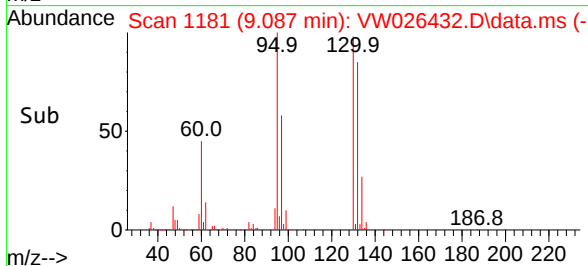
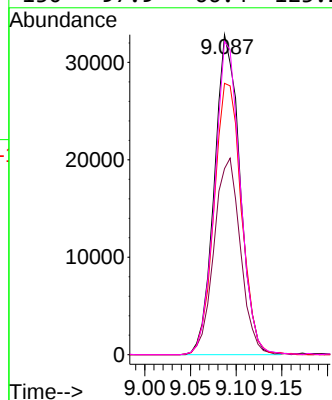
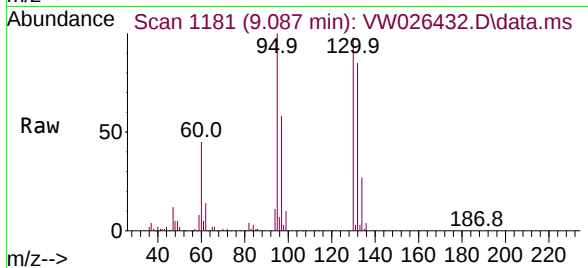
Ion Ratio Lower Upper

95 100

97 58.2 44.1 81.9

132 84.8 61.8 114.8

130 97.9 66.4 123.2



#35

Methylcyclohexane

Concen: 4.942 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VW026432.D

Acq: 29 Jun 2023 12:43

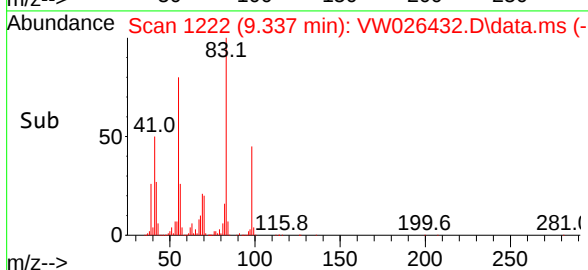
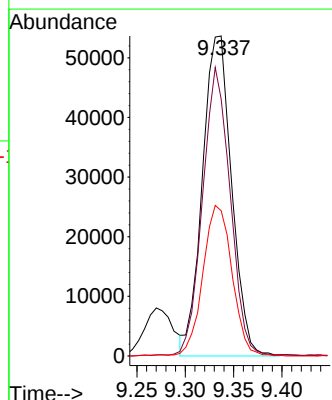
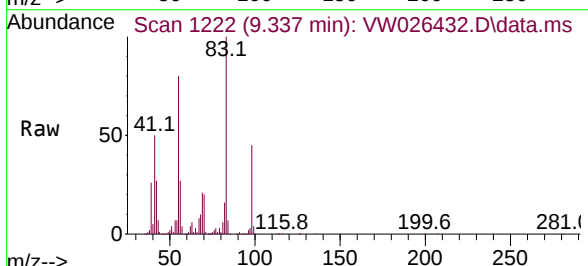
Tgt Ion: 83 Resp: 112933

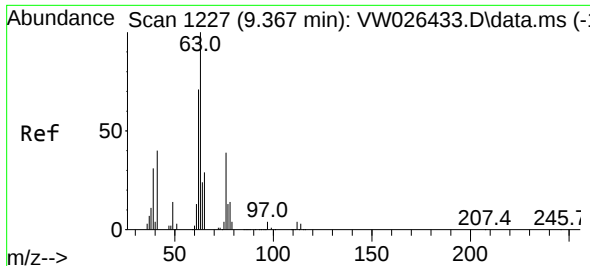
Ion Ratio Lower Upper

83 100

55 85.2 66.5 99.7

98 46.8 37.0 55.6





#37

1,2-Dichloropropane

Concen: 5.006 ug/L

RT: 9.368 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW026432.D

Acq: 29 Jun 2023 12:43

Instrument :

MSVOA_W

ClientSampleId :

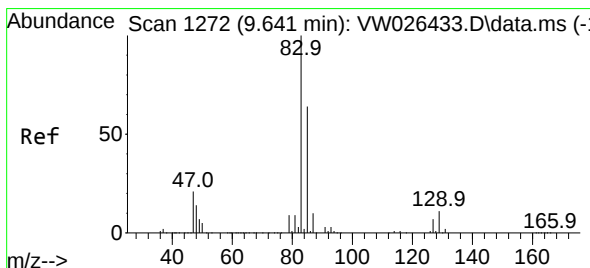
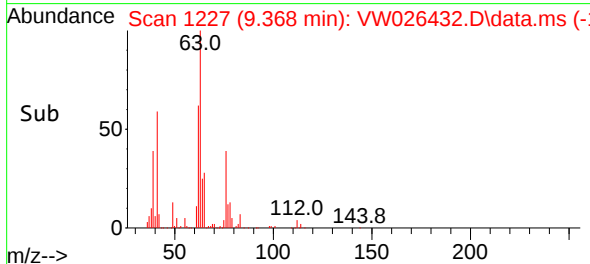
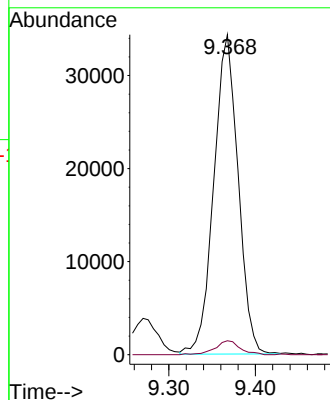
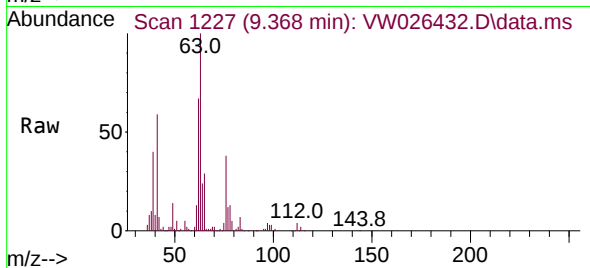
VSTD005472

Tgt Ion: 63 Resp: 66923

Ion Ratio Lower Upper

63 100

112 4.4 3.4 5.0



#38

Bromodichloromethane

Concen: 4.814 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW026432.D

Acq: 29 Jun 2023 12:43

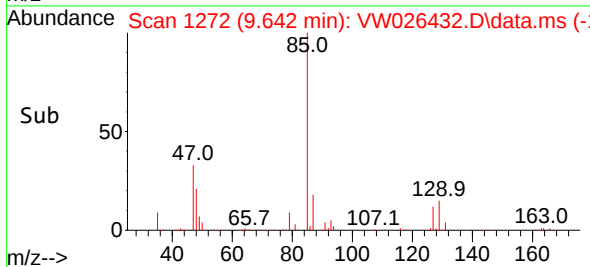
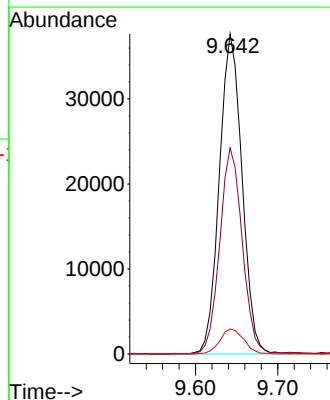
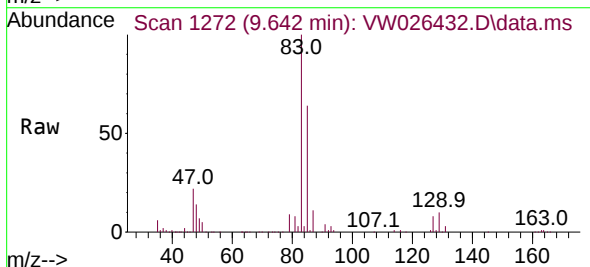
Tgt Ion: 83 Resp: 72224

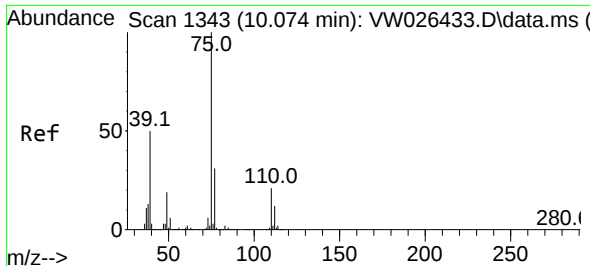
Ion Ratio Lower Upper

83 100

85 64.4 45.1 83.7

127 7.8 5.9 8.9





#39

cis-1,3-Dichloropropene

Concen: 4.686 ug/L

RT: 10.069 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW026432.D

Acq: 29 Jun 2023 12:43

Instrument :

MSVOA_W

ClientSampleId :

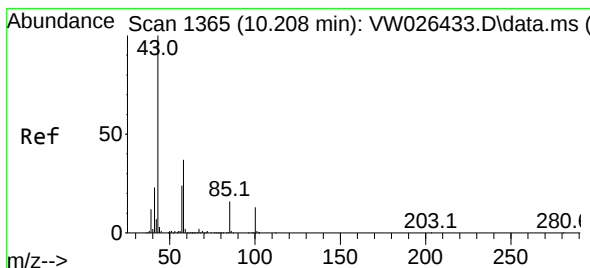
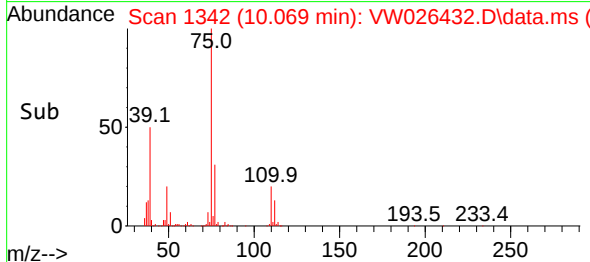
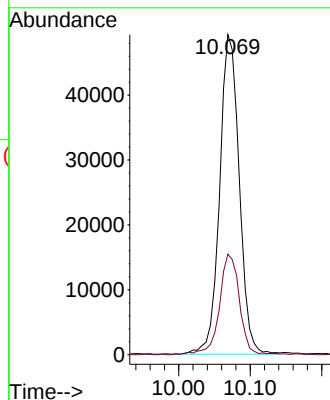
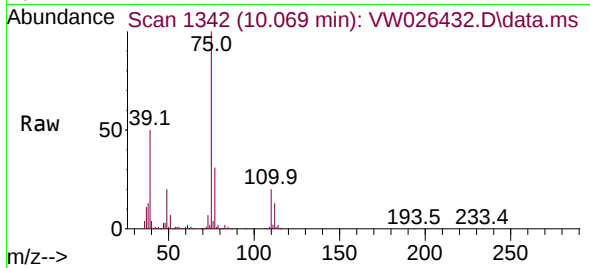
VSTD005472

Tgt Ion: 75 Resp: 93750

Ion Ratio Lower Upper

75 100

77 31.4 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 9.584 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW026432.D

Acq: 29 Jun 2023 12:43

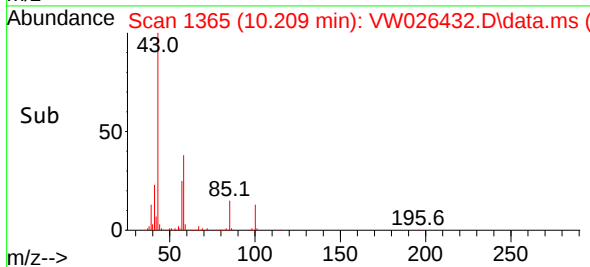
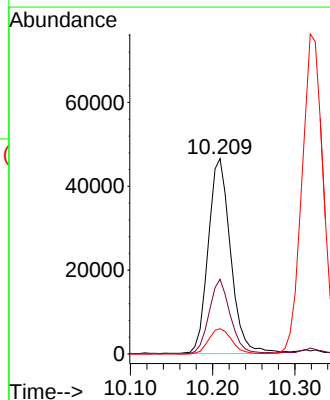
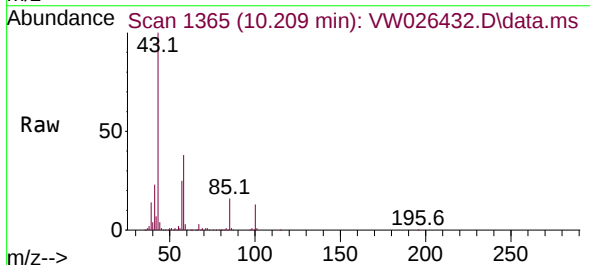
Tgt Ion: 43 Resp: 87967

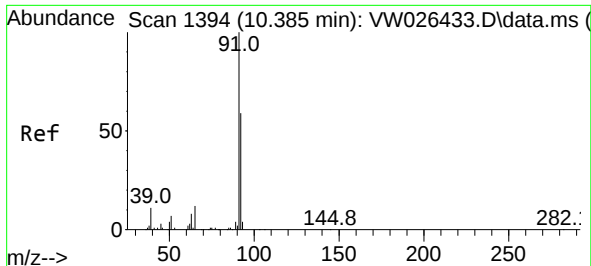
Ion Ratio Lower Upper

43 100

58 36.5 29.7 44.5

100 13.5 10.9 16.3

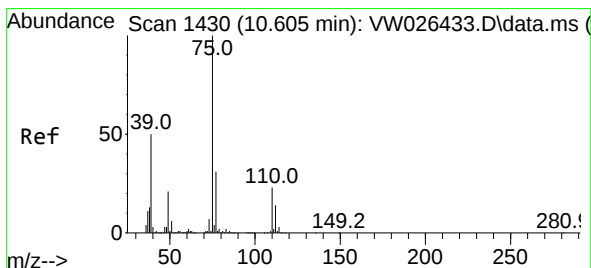
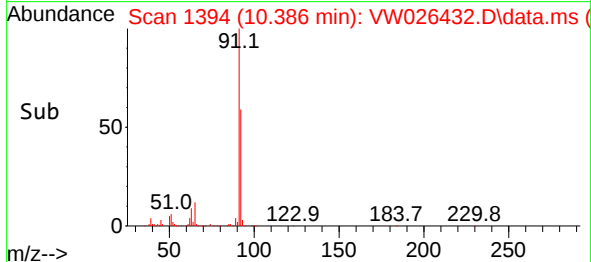
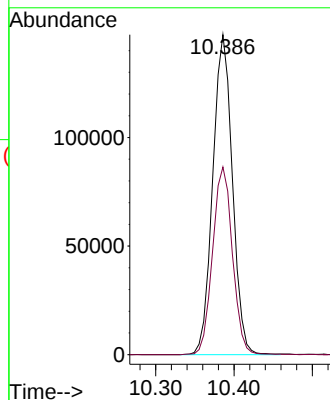
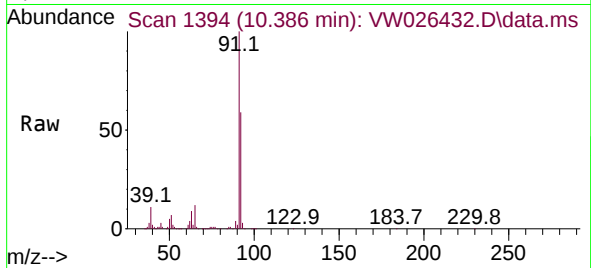




#42
Toluene
Concen: 4.977 ug/L
RT: 10.386 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VW026432.D
Acq: 29 Jun 2023 12:43

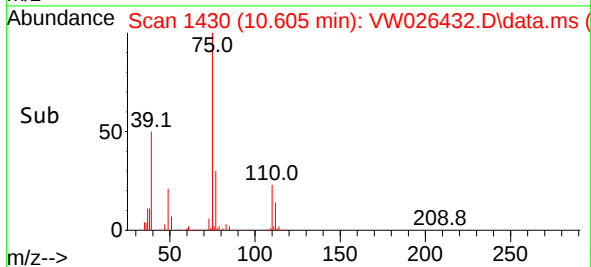
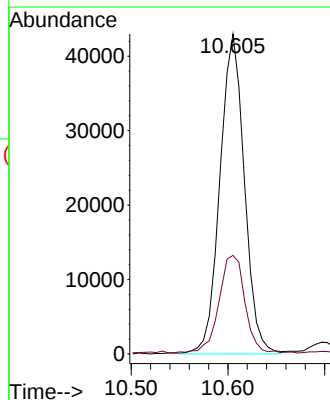
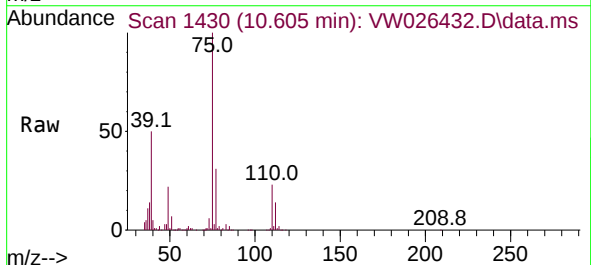
Instrument :
MSVOA_W
ClientSampleId :
VSTD005472

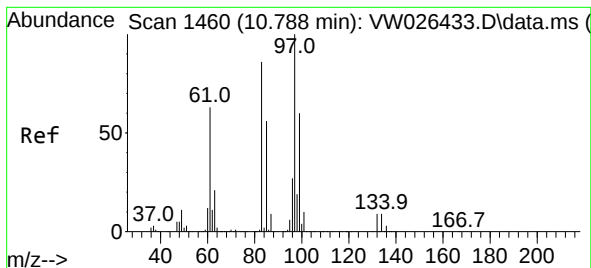
Tgt Ion: 91 Resp: 256412
Ion Ratio Lower Upper
91 100
92 58.6 41.4 76.8



#44
trans-1,3-Dichloropropene
Concen: 4.614 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW026432.D
Acq: 29 Jun 2023 12:43

Tgt Ion: 75 Resp: 75453
Ion Ratio Lower Upper
75 100
77 30.8 21.8 40.6





#45

1,1,2-Trichloroethane

Concen: 5.084 ug/L

RT: 10.782 min Scan# 14

Delta R.T. -0.006 min

Lab File: VW026432.D

Acq: 29 Jun 2023 12:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD005472

Tgt Ion: 97 Resp: 46293

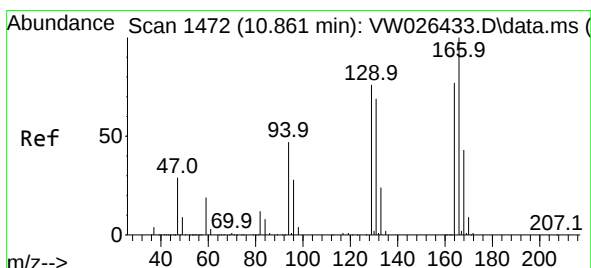
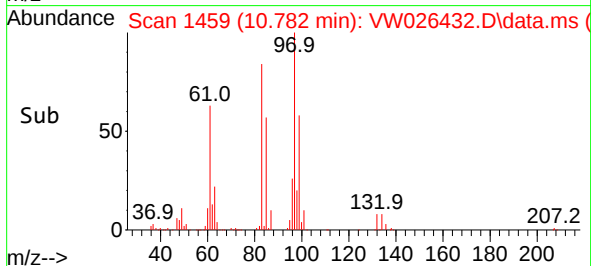
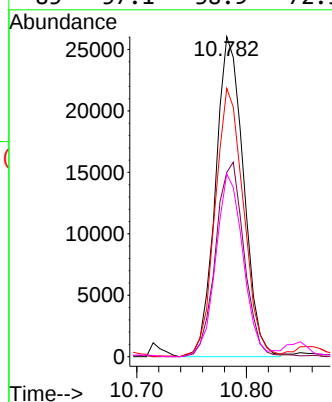
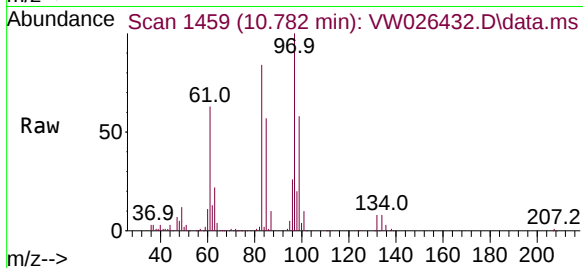
Ion Ratio Lower Upper

97 100

99 57.6 42.1 78.3

83 83.9 60.5 112.5

85 57.1 38.9 72.3



#46

Tetrachloroethene

Concen: 5.091 ug/L

RT: 10.855 min Scan# 1471

Delta R.T. -0.006 min

Lab File: VW026432.D

Acq: 29 Jun 2023 12:43

Tgt Ion:164 Resp: 46165

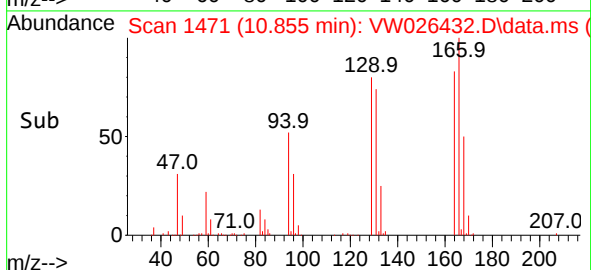
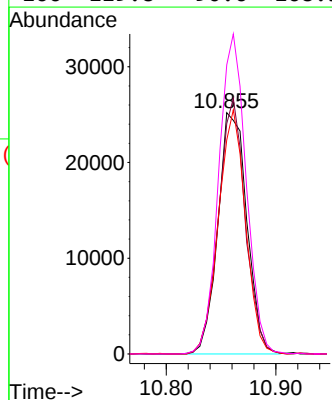
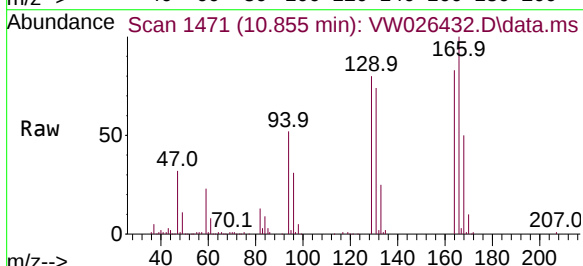
Ion Ratio Lower Upper

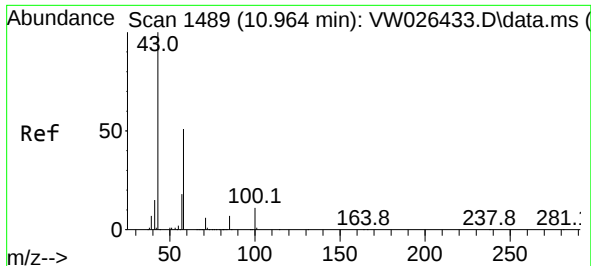
164 100

129 95.5 69.0 128.2

131 88.8 62.6 116.3

166 119.8 90.6 168.3

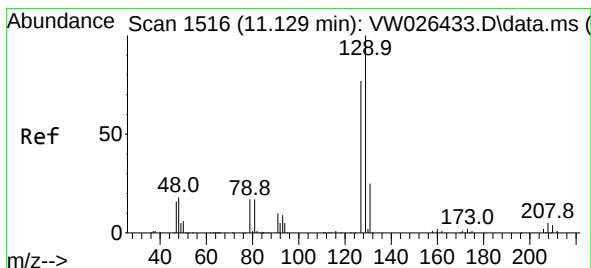
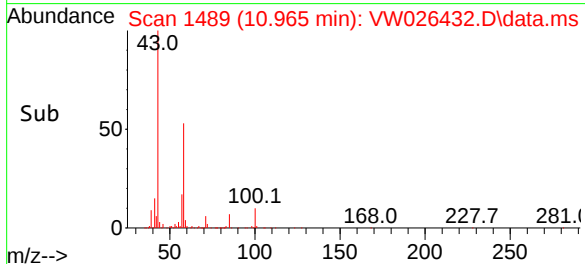
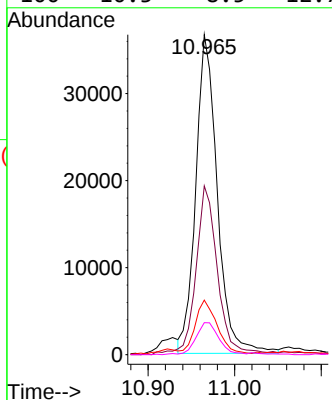
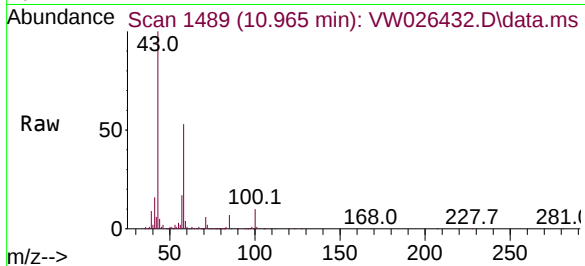




#48
2-Hexanone
Concen: 10.285 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VW026432.D
Acq: 29 Jun 2023 12:43

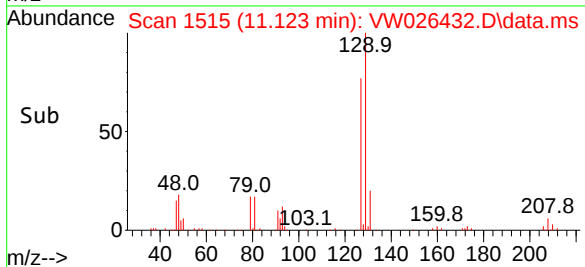
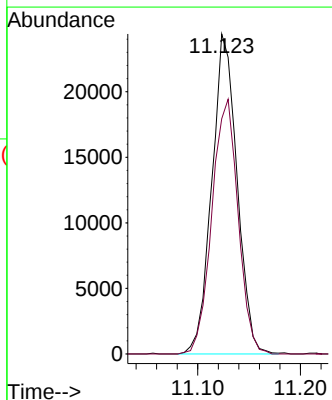
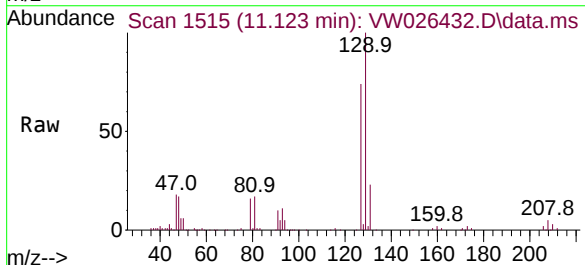
Instrument :
MSVOA_W
ClientSampleId :
VSTD005472

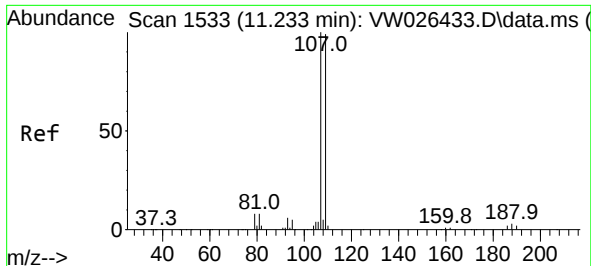
Tgt Ion: 43 Resp: 63363
Ion Ratio Lower Upper
43 100
58 53.0 42.1 63.1
57 16.7 14.5 21.7
100 10.3 8.5 12.7



#49
Dibromochloromethane
Concen: 4.588 ug/L
RT: 11.123 min Scan# 1515
Delta R.T. -0.006 min
Lab File: VW026432.D
Acq: 29 Jun 2023 12:43

Tgt Ion: 129 Resp: 41614
Ion Ratio Lower Upper
129 100
127 73.5 54.0 100.4





#50

1,2-Dibromoethane

Concen: 4.968 ug/L

RT: 11.233 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW026432.D

Acq: 29 Jun 2023 12:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD005472

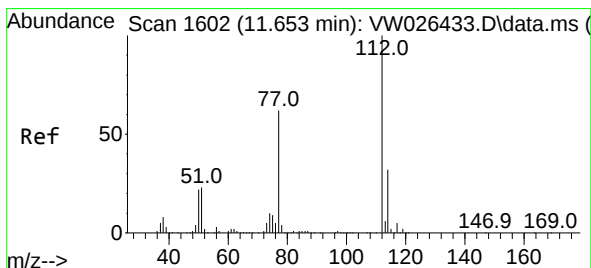
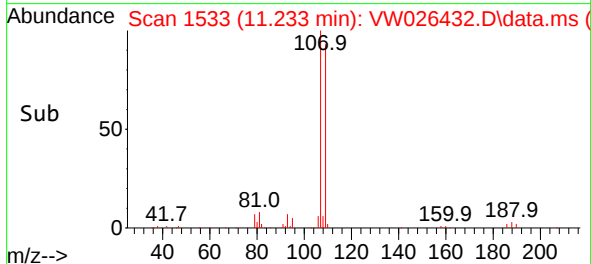
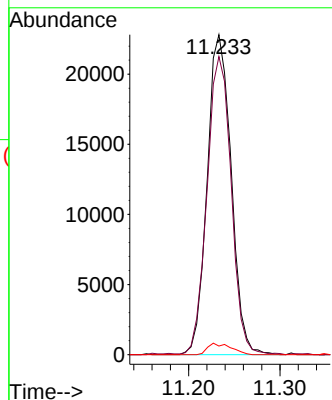
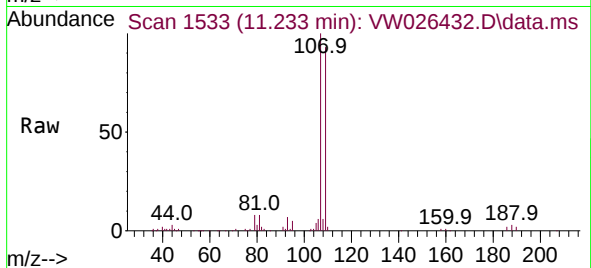
Tgt Ion:107 Resp: 41600

Ion Ratio Lower Upper

107 100

109 93.1 69.0 128.2

188 2.7 2.8 4.2#



#51

Chlorobenzene

Concen: 5.010 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VW026432.D

Acq: 29 Jun 2023 12:43

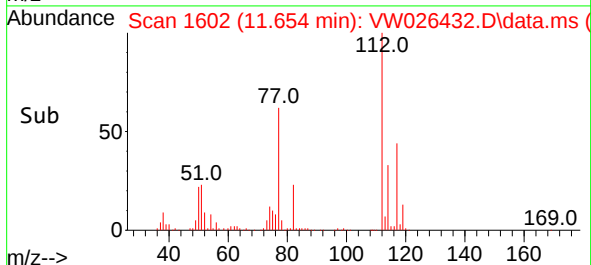
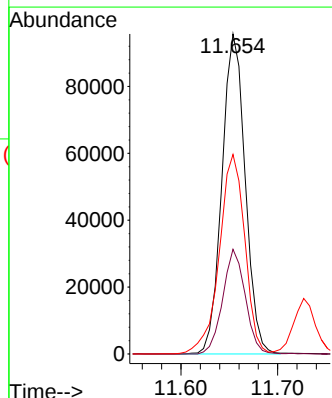
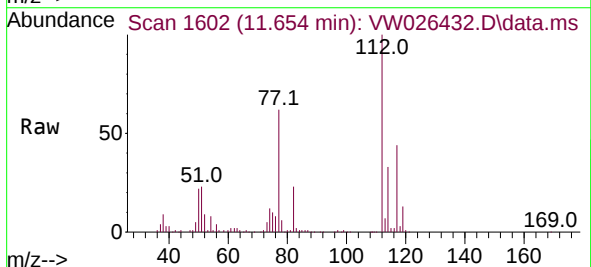
Tgt Ion:112 Resp: 159691

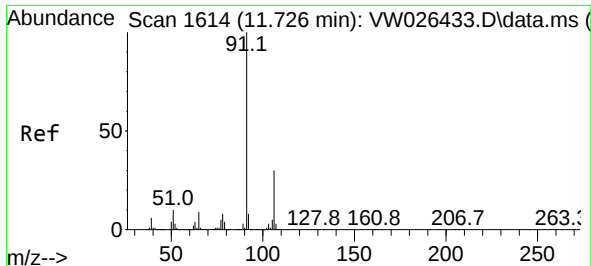
Ion Ratio Lower Upper

112 100

114 32.7 22.3 41.5

77 62.4 49.6 74.4

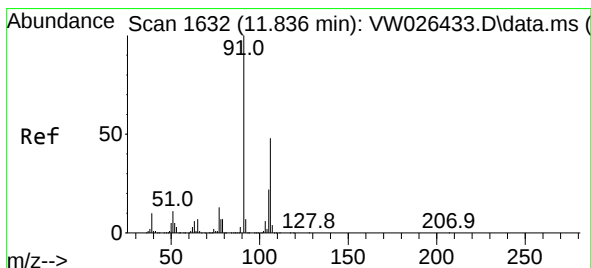
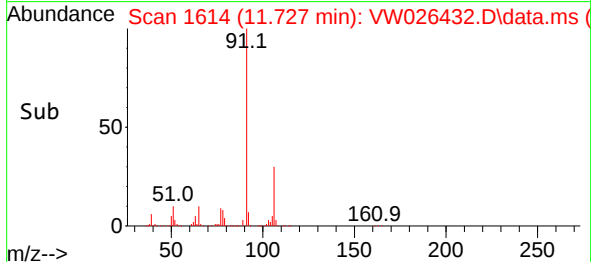
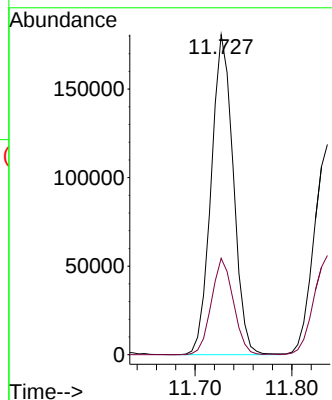
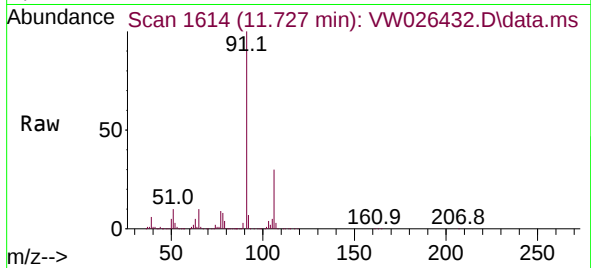




#52
Ethylbenzene
Concen: 4.960 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW026432.D
Acq: 29 Jun 2023 12:43

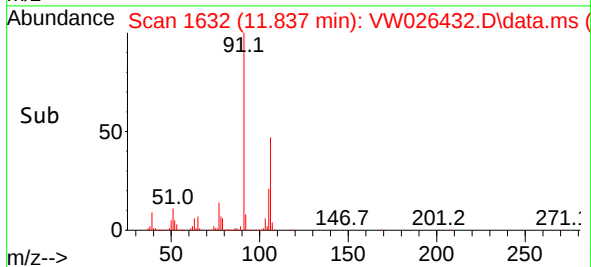
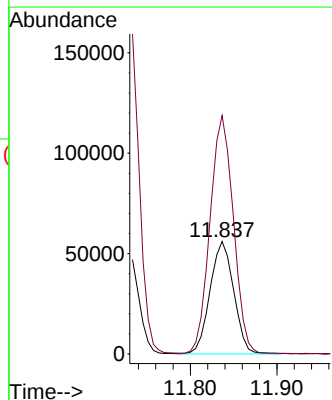
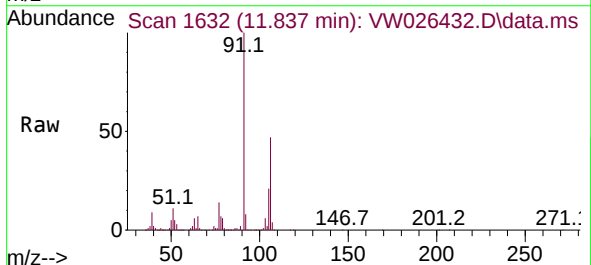
Instrument :
MSVOA_W
ClientSampleId :
VSTD005472

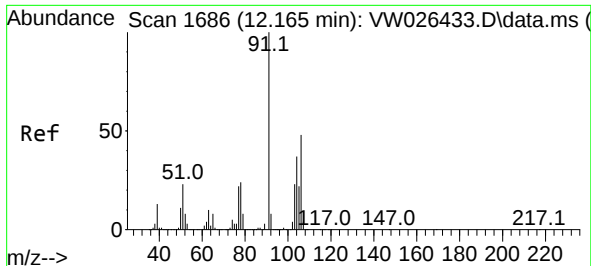
Tgt Ion: 91 Resp: 287558
Ion Ratio Lower Upper
91 100
106 30.1 20.9 38.7



#53
m,p-Xylene
Concen: 4.956 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW026432.D
Acq: 29 Jun 2023 12:43

Tgt Ion:106 Resp: 106542
Ion Ratio Lower Upper
106 100
91 211.9 146.7 272.5

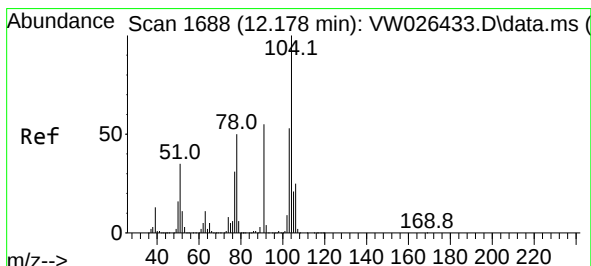
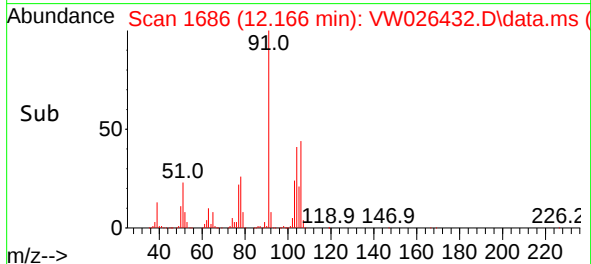
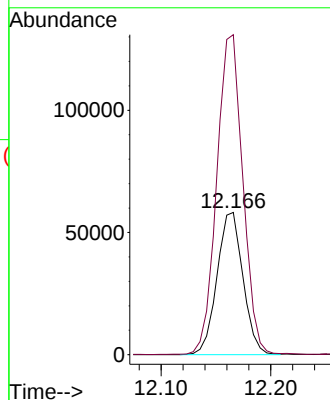
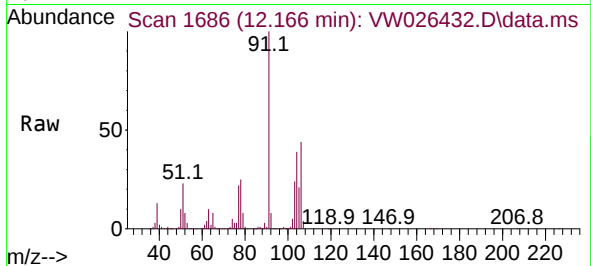




#54
o-Xylene
Concen: 4.805 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW026432.D
Acq: 29 Jun 2023 12:43

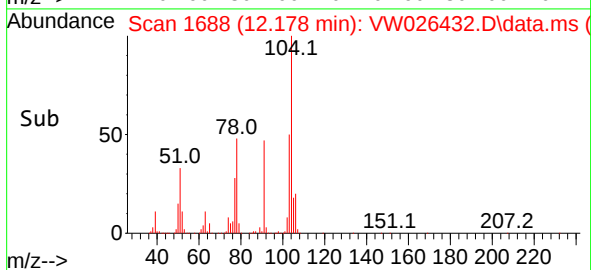
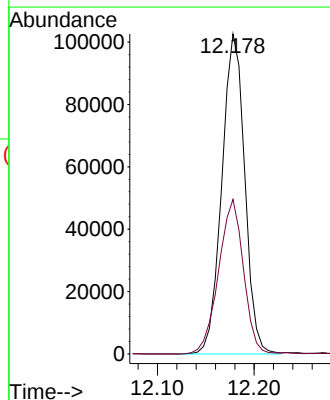
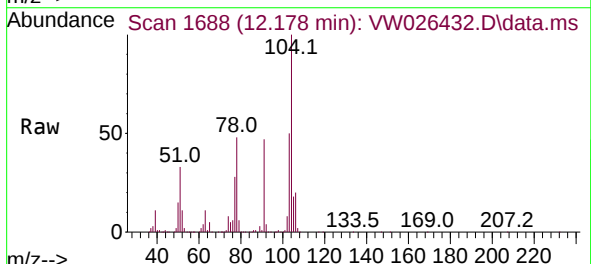
Instrument :
MSVOA_W
ClientSampleId :
VSTD005472

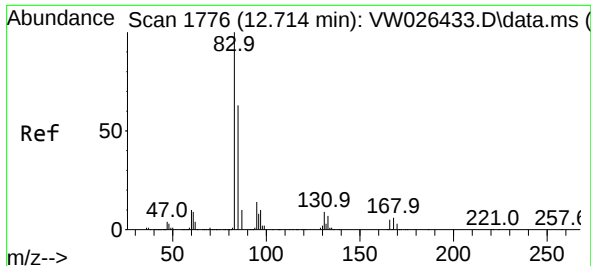
Tgt Ion:106 Resp: 95798
Ion Ratio Lower Upper
106 100
91 225.0 145.5 270.1



#55
Styrene
Concen: 4.949 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW026432.D
Acq: 29 Jun 2023 12:43

Tgt Ion:104 Resp: 168426
Ion Ratio Lower Upper
104 100
78 48.3 34.8 64.6





#57

1,1,2,2-Tetrachloroethane

Concen: 4.932 ug/L

RT: 12.708 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW026432.D

Acq: 29 Jun 2023 12:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD005472

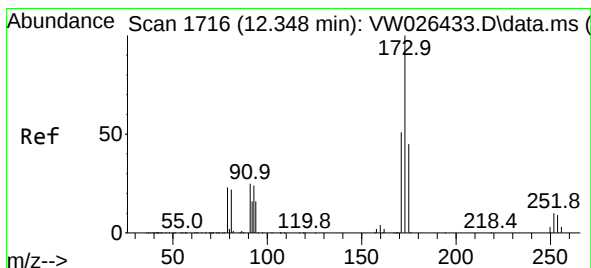
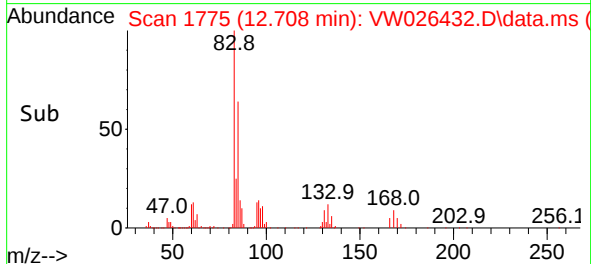
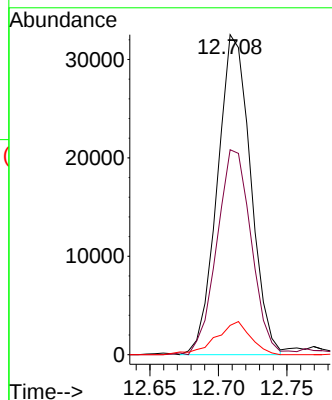
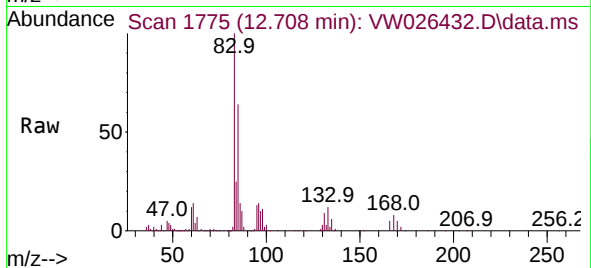
Tgt Ion: 83 Resp: 54841

Ion Ratio Lower Upper

83 100

85 64.1 44.6 82.8

131 9.2 7.2 10.8



#59

Bromoform

Concen: 4.691 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VW026432.D

Acq: 29 Jun 2023 12:43

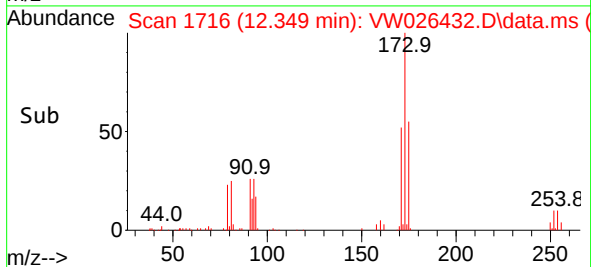
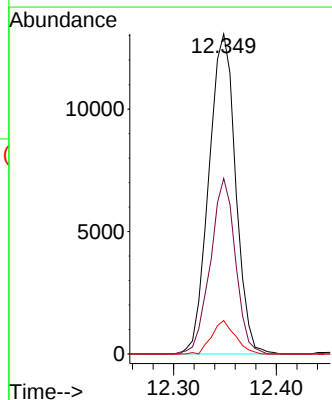
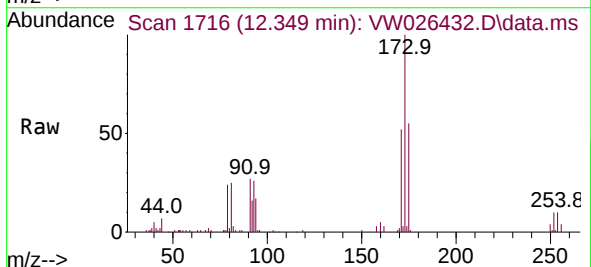
Tgt Ion: 173 Resp: 23642

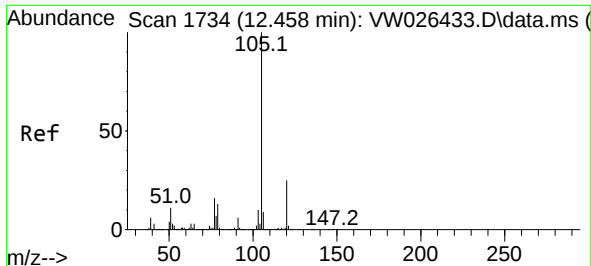
Ion Ratio Lower Upper

173 100

175 51.4 37.4 56.2

254 9.1 7.3 10.9

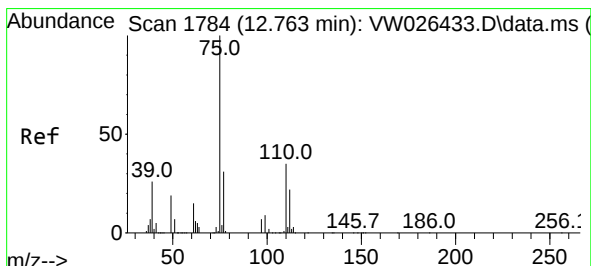
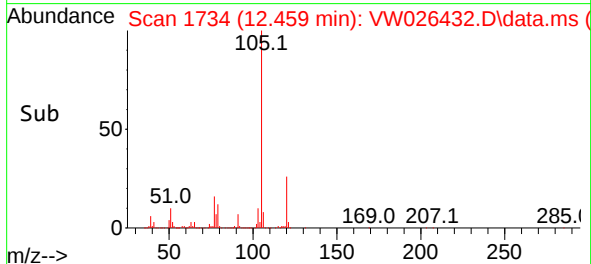
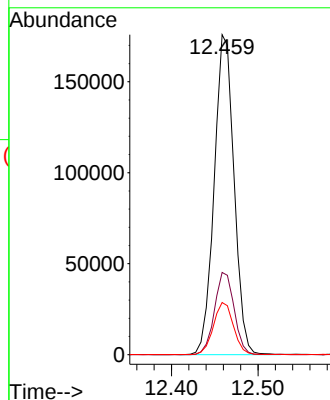
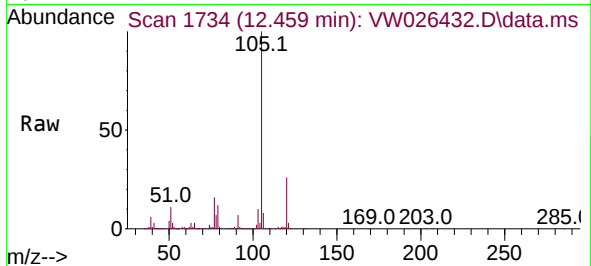




#60
Isopropylbenzene
Concen: 5.047 ug/L
RT: 12.459 min Scan# 1734
Delta R.T. 0.000 min
Lab File: VW026432.D
Acq: 29 Jun 2023 12:43

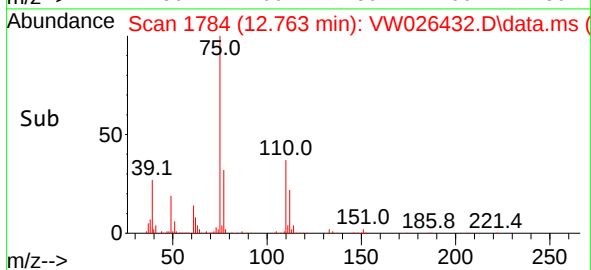
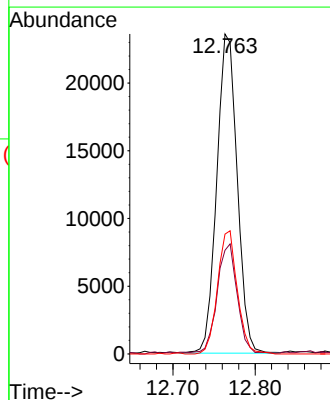
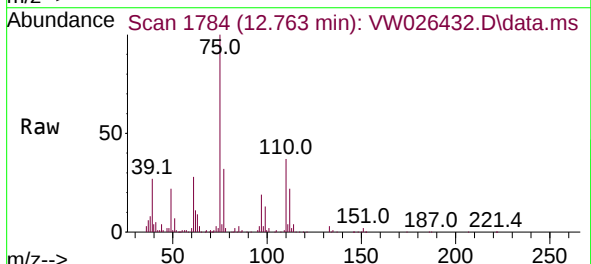
Instrument :
MSVOA_W
ClientSampleId :
VSTD005472

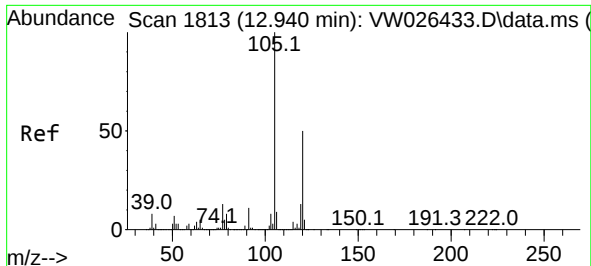
Tgt Ion:105 Resp: 280185
Ion Ratio Lower Upper
105 100
120 25.4 20.5 30.7
77 16.4 12.9 19.3



#61
1,2,3-Trichloropropane
Concen: 4.898 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW026432.D
Acq: 29 Jun 2023 12:43

Tgt Ion: 75 Resp: 40752
Ion Ratio Lower Upper
75 100
77 32.8 25.2 37.8
110 37.3 28.2 42.4

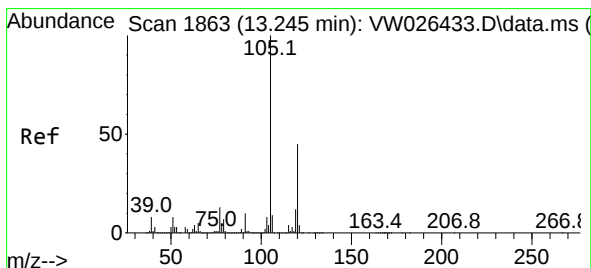
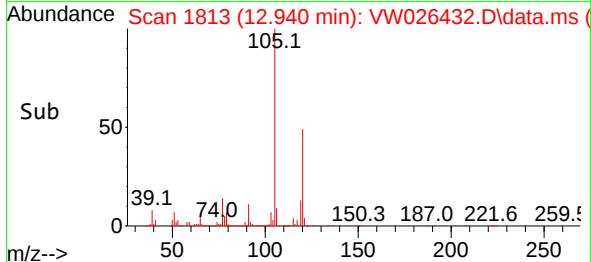
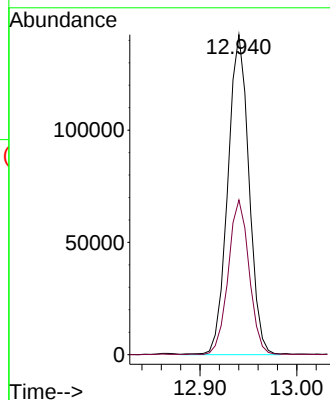
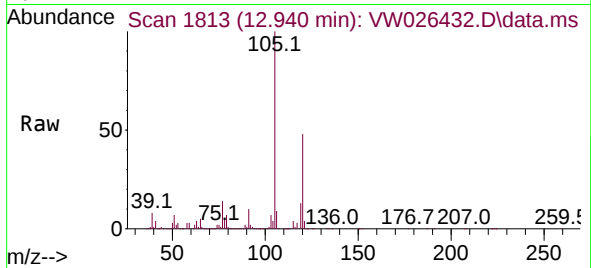




#62
1,3,5-Trimethylbenzene
Concen: 4.893 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW026432.D
Acq: 29 Jun 2023 12:43

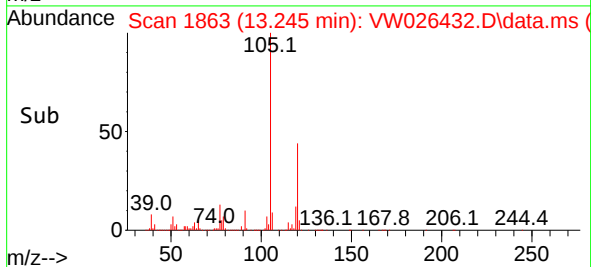
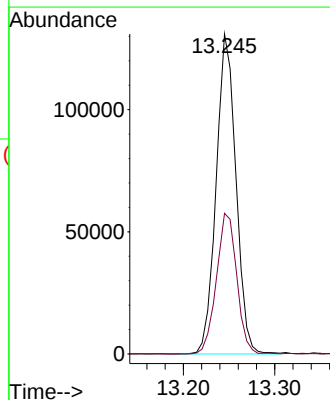
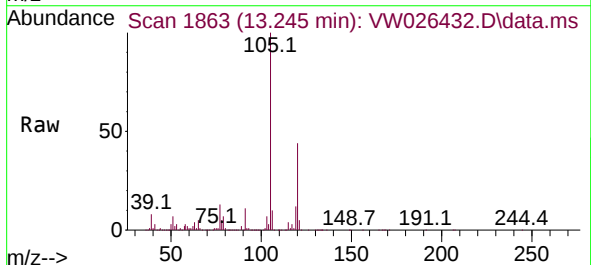
Instrument :
MSVOA_W
ClientSampleId :
VSTD005472

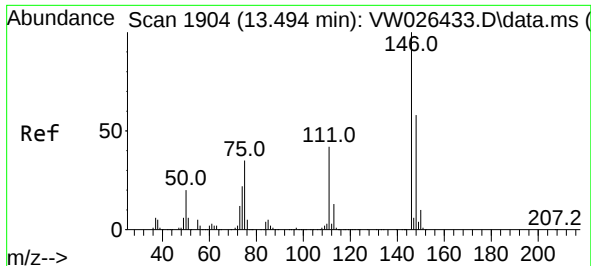
Tgt Ion:105 Resp: 216030
Ion Ratio Lower Upper
105 100
120 47.9 39.2 58.8



#63
1,2,4-Trimethylbenzene
Concen: 4.568 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW026432.D
Acq: 29 Jun 2023 12:43

Tgt Ion:105 Resp: 197030
Ion Ratio Lower Upper
105 100
120 45.1 36.0 54.0

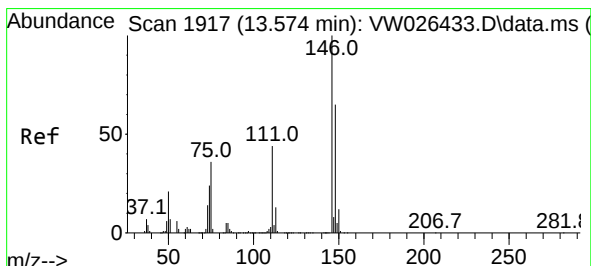
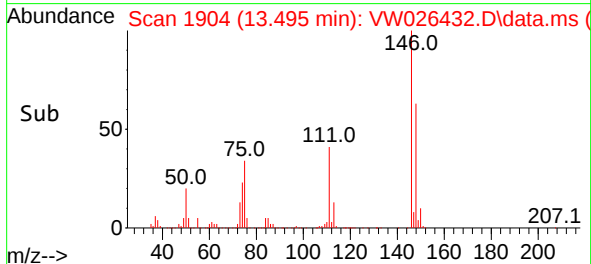
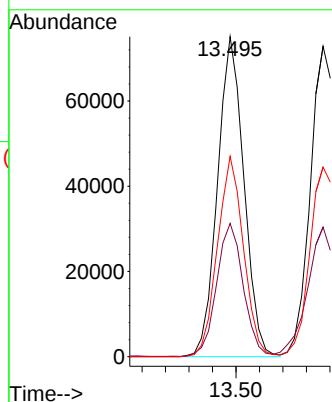
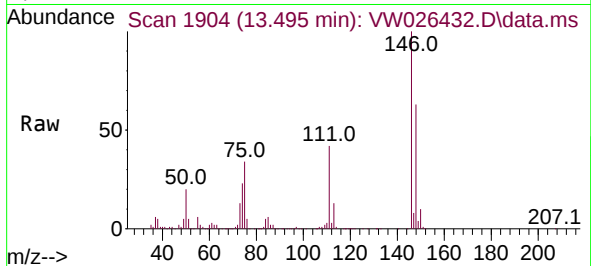




#64
1,3-Dichlorobenzene
Concen: 5.029 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW026432.D
Acq: 29 Jun 2023 12:43

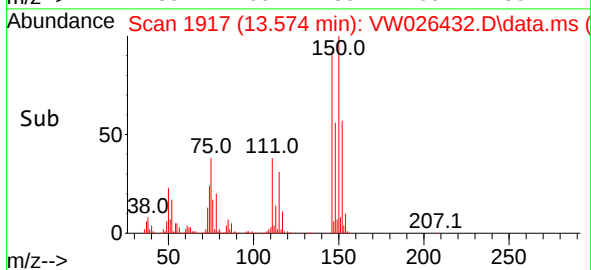
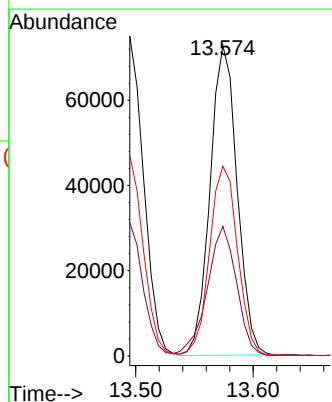
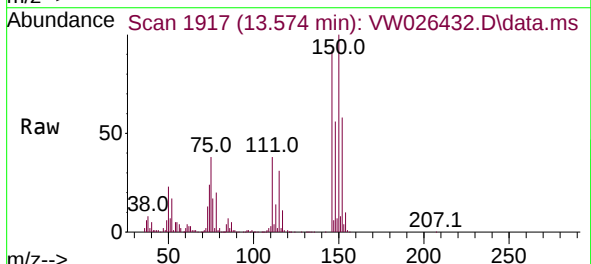
Instrument :
MSVOA_W
ClientSampleId :
VSTD005472

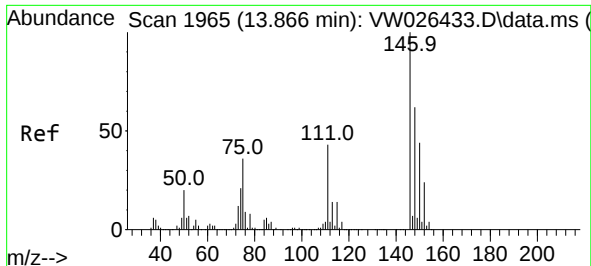
Tgt Ion:146 Resp: 117149
Ion Ratio Lower Upper
146 100
111 41.6 29.5 54.9
148 62.6 40.8 75.8



#65
1,4-Dichlorobenzene
Concen: 5.026 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW026432.D
Acq: 29 Jun 2023 12:43

Tgt Ion:146 Resp: 116441
Ion Ratio Lower Upper
146 100
111 41.7 30.7 56.9
148 61.1 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 4.800 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW026432.D

Acq: 29 Jun 2023 12:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD005472

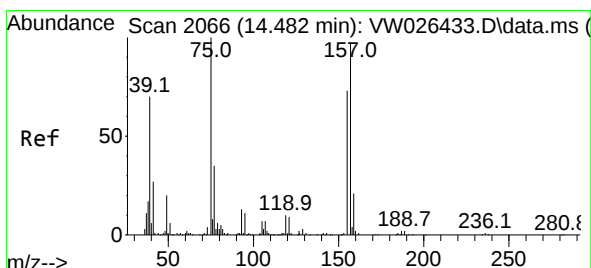
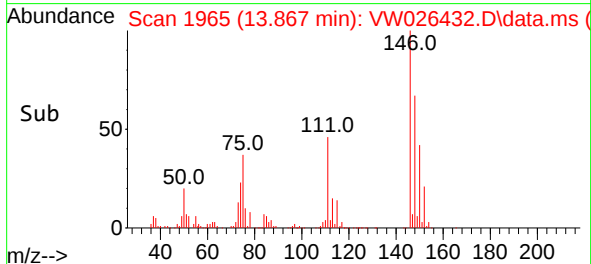
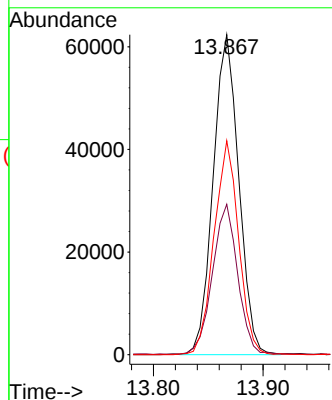
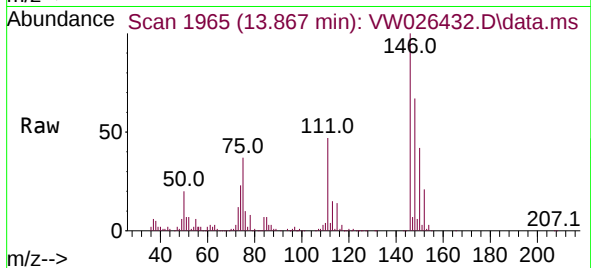
Tgt Ion:146 Resp: 101186

Ion Ratio Lower Upper

146 100

111 47.0 34.7 52.1

148 66.9 49.6 74.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.946 ug/L

RT: 14.483 min Scan# 2066

Delta R.T. 0.000 min

Lab File: VW026432.D

Acq: 29 Jun 2023 12:43

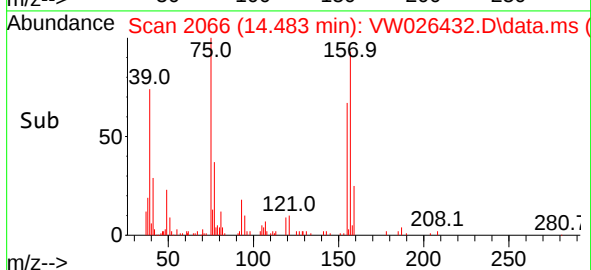
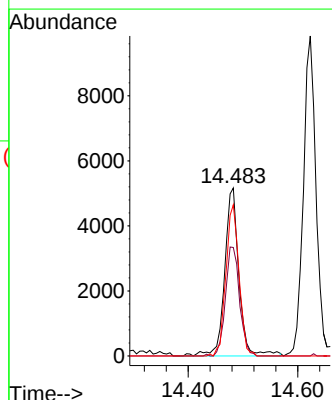
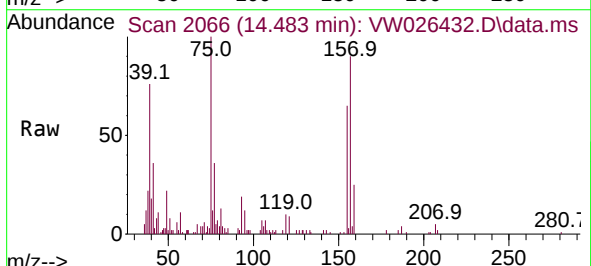
Tgt Ion: 75 Resp: 9388

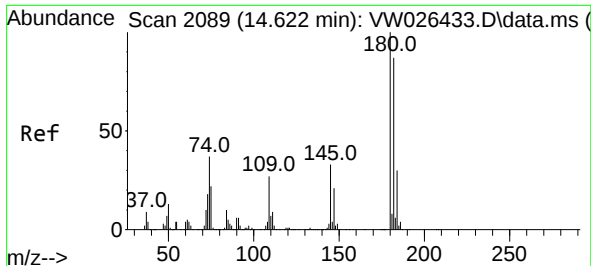
Ion Ratio Lower Upper

75 100

155 64.6 58.5 87.7

157 90.0 77.4 116.2





#69

1,3,5-Trichlorobenzene

Concen: 4.612 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

Lab File: VW026432.D

Acq: 29 Jun 2023 12:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD005472

Tgt Ion:180 Resp: 73127

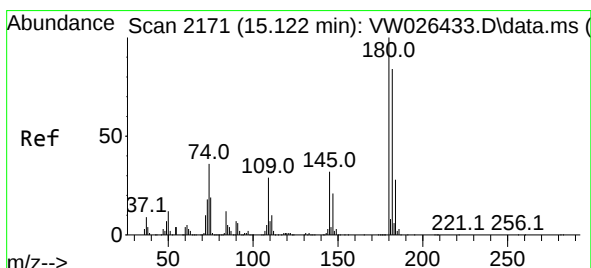
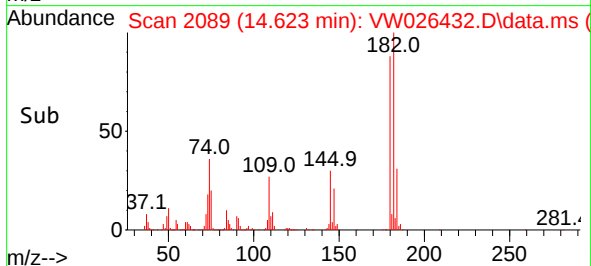
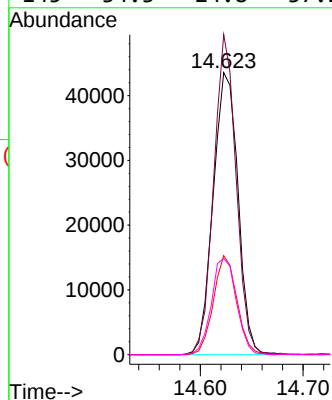
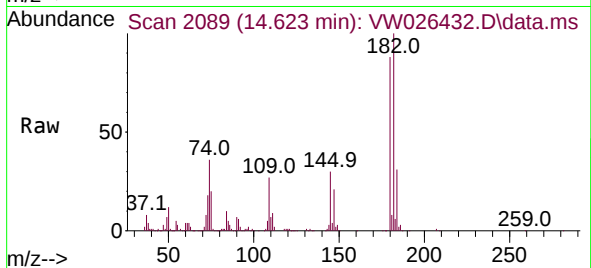
Ion Ratio Lower Upper

180 100

182 102.2 74.5 111.7

184 33.3 23.8 35.6

145 34.3 24.8 37.2



#70

1,2,4-trichlorobenzene

Concen: 4.832 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.007 min

Lab File: VW026432.D

Acq: 29 Jun 2023 12:43

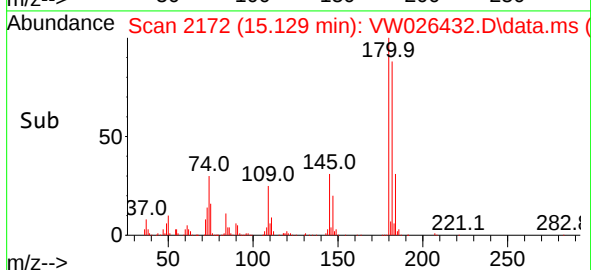
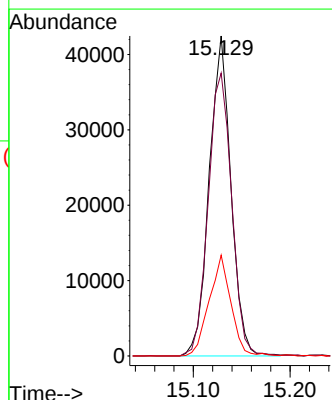
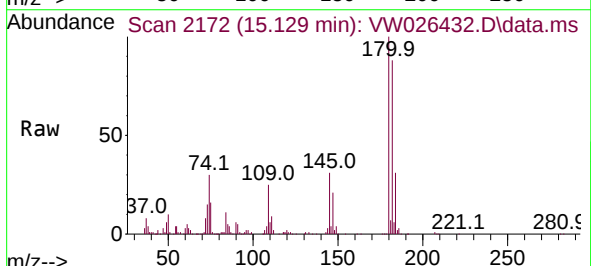
Tgt Ion:180 Resp: 66316

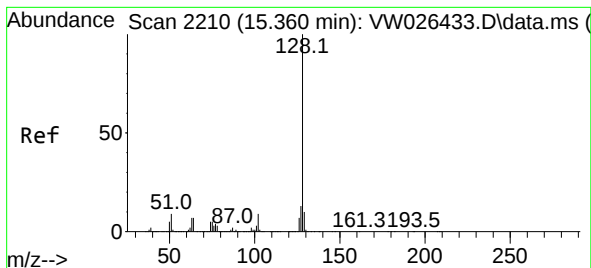
Ion Ratio Lower Upper

180 100

182 95.4 75.5 113.3

145 31.2 26.2 39.2





#71

Naphthalene

Concen: 4.393 ug/L

RT: 15.360 min Scan# 21

Delta R.T. 0.000 min

Lab File: VW026432.D

Acq: 29 Jun 2023 12:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD005472

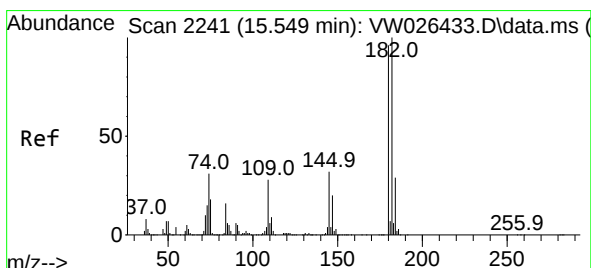
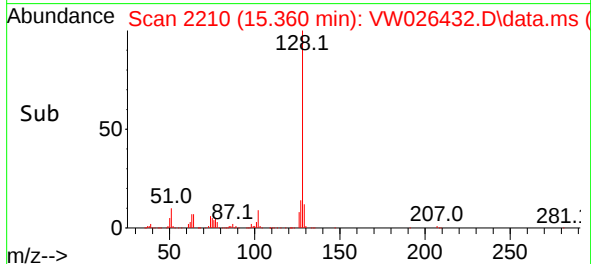
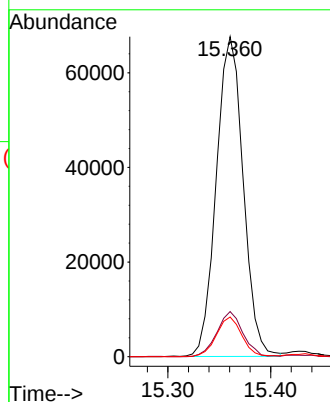
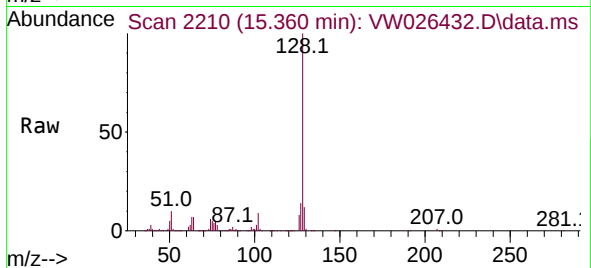
Tgt Ion:128 Resp: 122898

Ion Ratio Lower Upper

128 100

127 13.6 10.4 15.6

129 11.8 8.3 12.5



#72

1,2,3-Trichlorobenzene

Concen: 4.746 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VW026432.D

Acq: 29 Jun 2023 12:43

Tgt Ion:180 Resp: 56018

Ion Ratio Lower Upper

180 100

182 95.4 75.7 113.5

145 35.2 27.0 40.6

