

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051723\
 Data File : VY013784.D
 Acq On : 17 May 2023 18:23
 Operator : KP/MD
 Sample : 02812-07
 Misc : 3.38g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WG-0516-B3-18-20

Quant Time: May 18 07:17:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051723S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 18 06:54:18 2023
 Response via : Initial Calibration

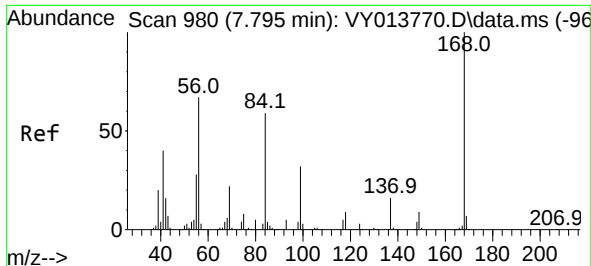
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	182814	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	304579	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	276495	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	112376	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	120405	56.696	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.400%	
35) Dibromofluoromethane	7.722	113	94863	48.570	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.140%	
50) Toluene-d8	10.179	98	364992	49.292	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.580%	
62) 4-Bromofluorobenzene	12.483	95	111066	45.158	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 90.320%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.638	94	3323	1.886	ug/l	87
10) Methyl Iodide	4.095	142	2560	1.377	ug/l #	88
13) Acrolein	3.741	56	1379	4.487	ug/l	98
16) Acetone	3.967	43	57399	89.584	ug/l	98
17) Carbon Disulfide	4.186	76	23338	5.294	ug/l	97
18) Methyl Acetate	4.479	43	8415	3.767	ug/l	97
20) Methylene Chloride	4.723	84	14237	1.406	ug/l	94
25) 2-Butanone	7.003	43	17573	21.098	ug/l #	90
31) Cyclohexane	7.795	56	4603	1.512	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	14563	5.396	ug/l #	50
37) Ethyl Acetate	7.003	43	17573	9.467	ug/l #	70
38) Carbon Tetrachloride	7.789	117	18307	6.430	ug/l #	16
49) 1,4-Dioxane	9.411	88	44	2.970	ug/l #	4
76) 1,2,3-Trichloropropane	12.483	75	59714	43.906	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	59714	97.751	ug/l #	12

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

Quant Time: May 18 07:17:28 2023
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Quant Title : SW846 8260
QLast Update : Thu May 18 06:54:18 2023
Response via : Initial Calibration

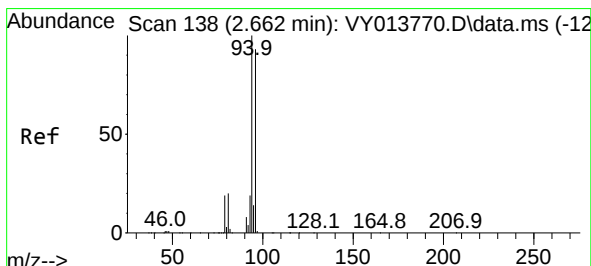
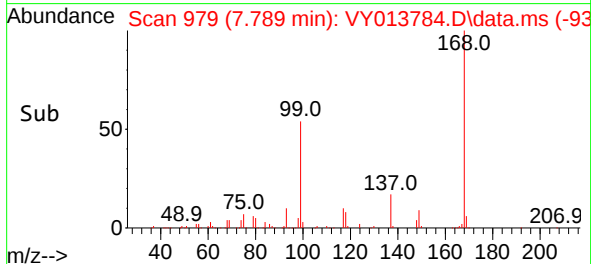
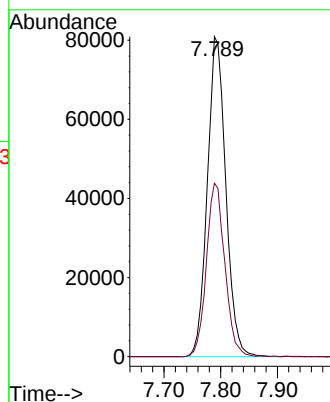
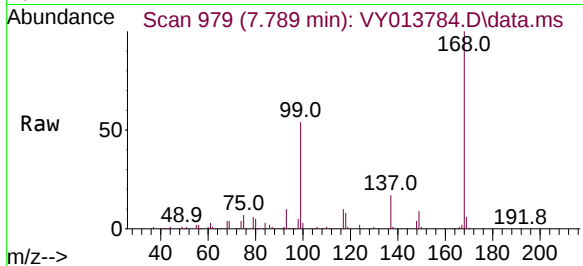




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013784.D
Acq: 17 May 2023 18:23

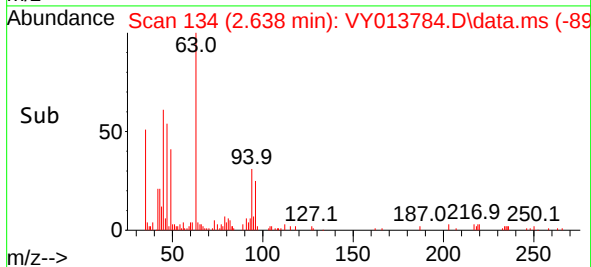
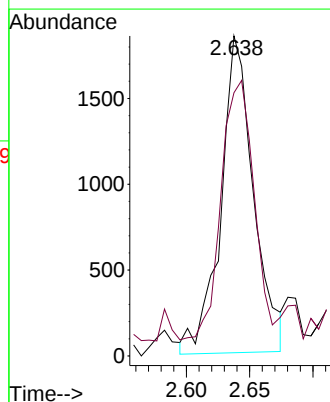
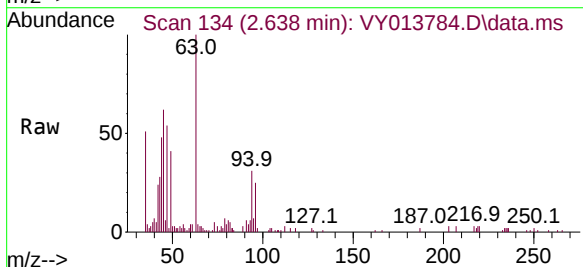
Instrument :
MSVOA_Y
ClientSampleId :
WG-0516-B3-18-20

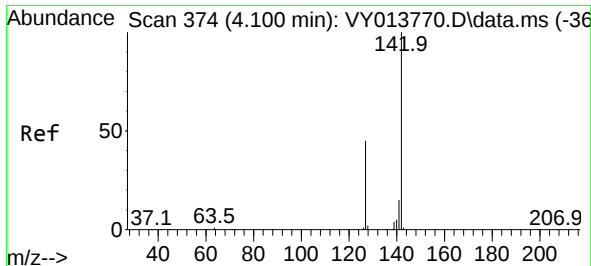
Tgt Ion:168 Resp: 182814
Ion Ratio Lower Upper
168 100
99 54.3 44.0 66.0



#5
Bromomethane
Concen: 1.886 ug/l
RT: 2.638 min Scan# 134
Delta R.T. -0.024 min
Lab File: VY013784.D
Acq: 17 May 2023 18:23

Tgt Ion: 94 Resp: 3323
Ion Ratio Lower Upper
94 100
96 80.6 74.2 111.4

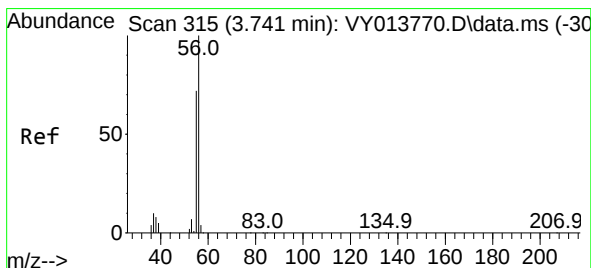
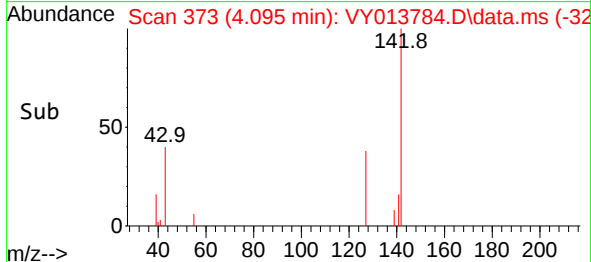
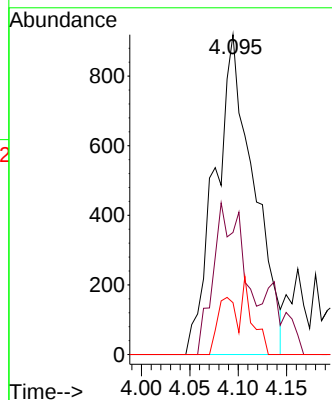
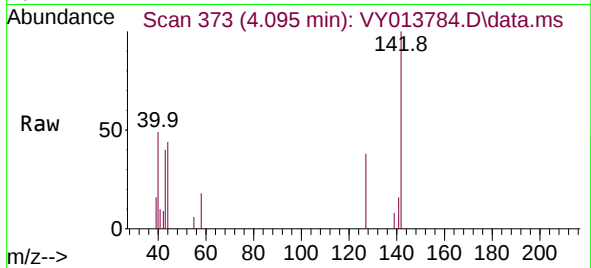




#10
Methyl Iodide
Concen: 1.377 ug/l
RT: 4.095 min Scan# 315
Delta R.T. -0.006 min
Lab File: VY013784.D
Acq: 17 May 2023 18:23

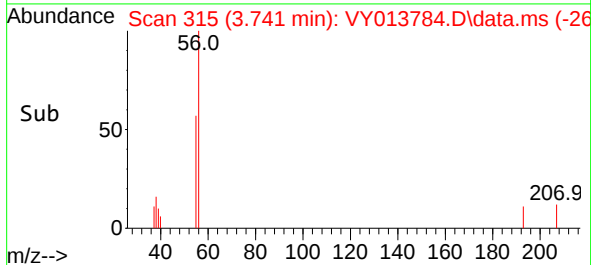
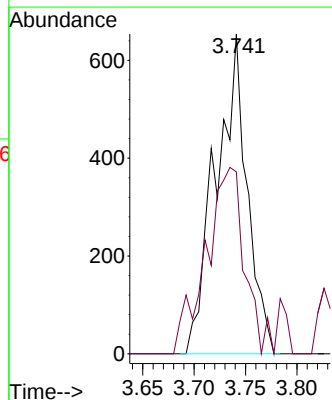
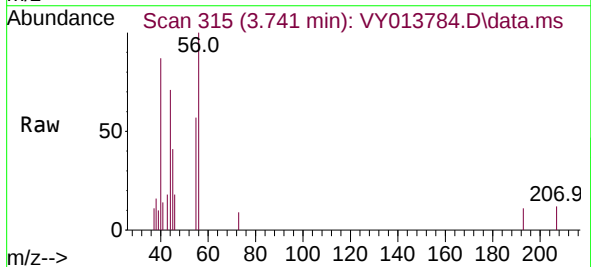
Instrument :
MSVOA_Y
ClientSampleId :
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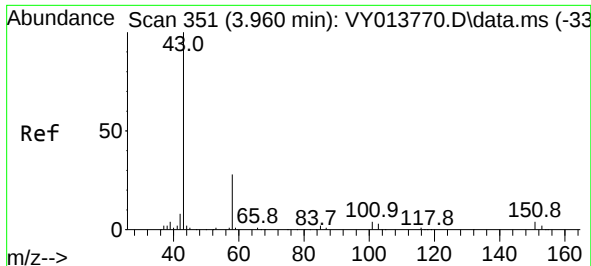
Tgt Ion:142 Resp: 2560
Ion Ratio Lower Upper
142 100
127 37.4 35.4 53.2
141 8.6 11.5 17.3#



#13
Acrolein
Concen: 4.487 ug/l
RT: 3.741 min Scan# 315
Delta R.T. 0.000 min
Lab File: VY013784.D
Acq: 17 May 2023 18:23

Tgt Ion: 56 Resp: 1379
Ion Ratio Lower Upper
56 100
55 70.5 57.5 86.3

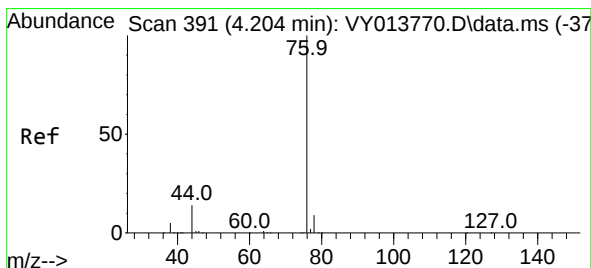
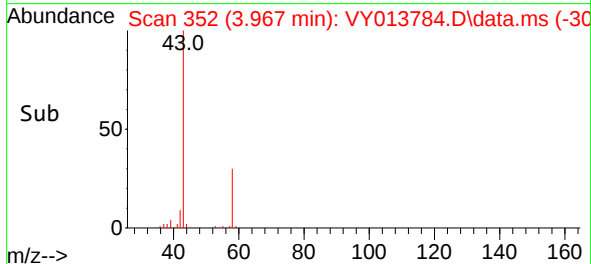
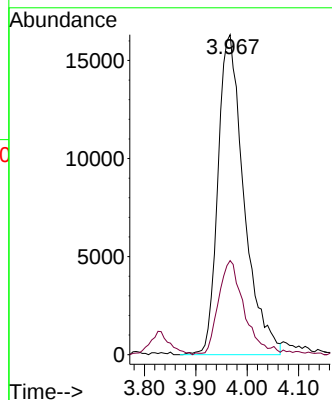
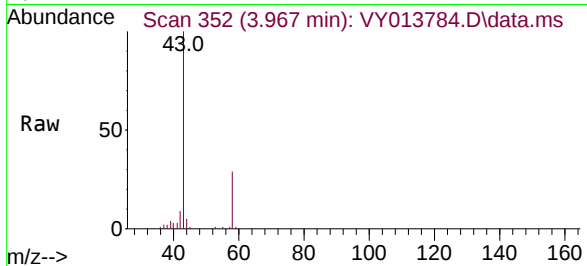




#16
Acetone
Concen: 89.584 ug/l
RT: 3.967 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY013784.D
Acq: 17 May 2023 18:23

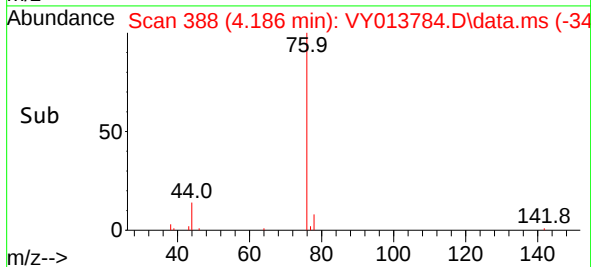
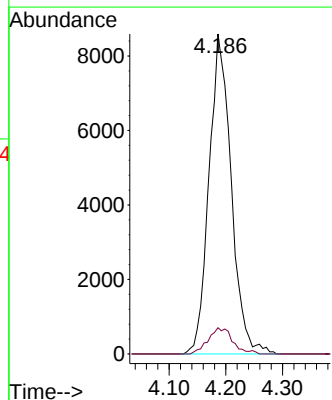
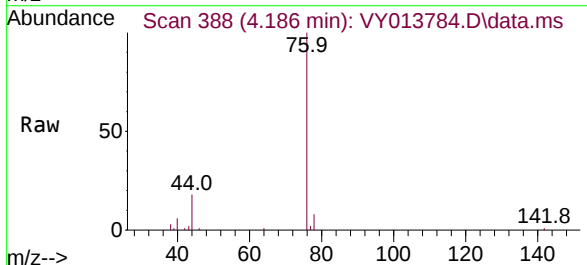
Instrument :
MSVOA_Y
ClientSampleId :
WG-0516-B3-18-20

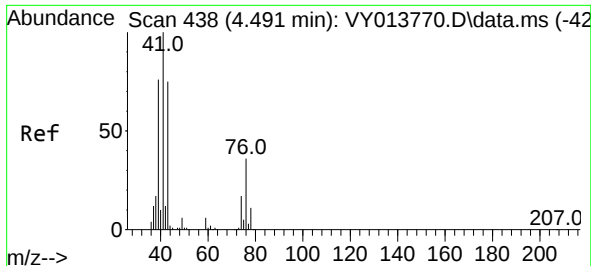
Tgt Ion: 43 Resp: 57399
Ion Ratio Lower Upper
43 100
58 28.6 23.7 35.5



#17
Carbon Disulfide
Concen: 5.294 ug/l
RT: 4.186 min Scan# 388
Delta R.T. -0.018 min
Lab File: VY013784.D
Acq: 17 May 2023 18:23

Tgt Ion: 76 Resp: 23338
Ion Ratio Lower Upper
76 100
78 8.2 7.5 11.3

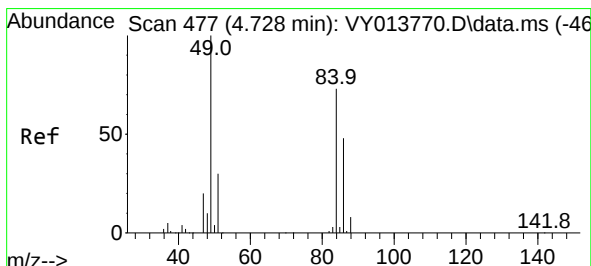
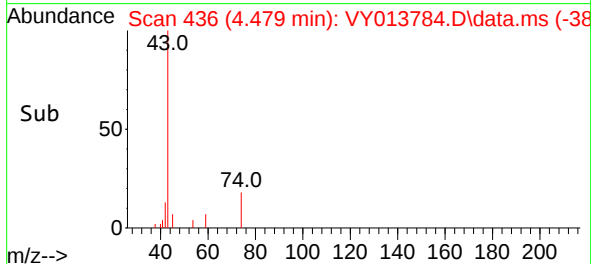
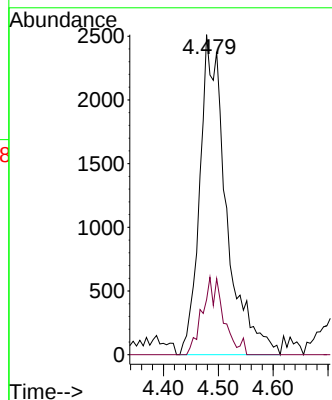
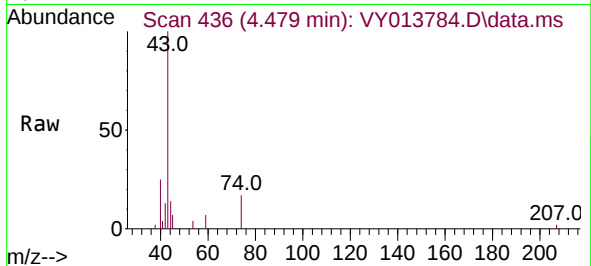




#18
Methyl Acetate
Concen: 3.767 ug/l
RT: 4.479 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY013784.D
Acq: 17 May 2023 18:23

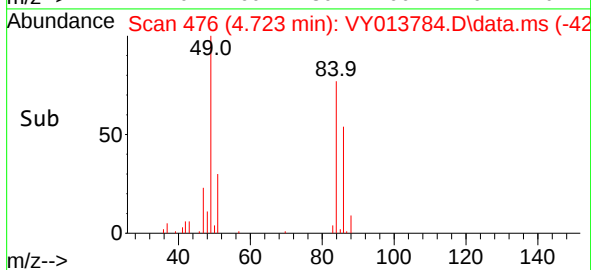
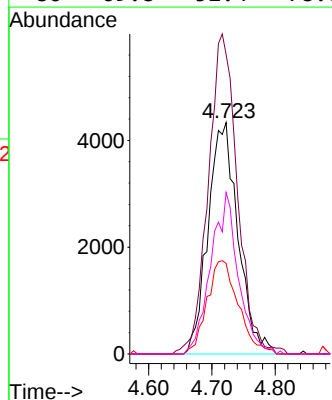
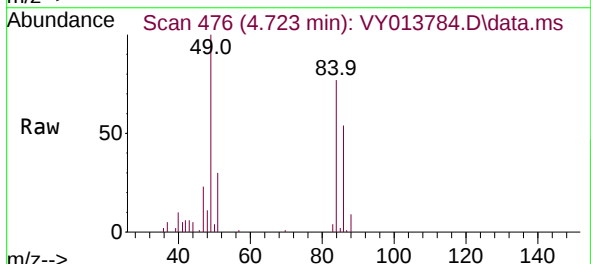
Instrument :
MSVOA_Y
ClientSampleId :
WG-0516-B3-18-20

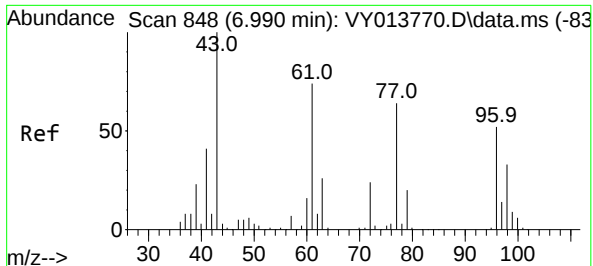
Tgt Ion: 43 Resp: 8415
Ion Ratio Lower Upper
43 100
74 19.4 16.6 25.0



#20
Methylene Chloride
Concen: 1.406 ug/l
RT: 4.723 min Scan# 476
Delta R.T. -0.005 min
Lab File: VY013784.D
Acq: 17 May 2023 18:23

Tgt Ion: 84 Resp: 14237
Ion Ratio Lower Upper
84 100
49 127.4 109.4 164.0
51 39.2 32.8 49.2
86 69.8 52.4 78.6





#25

2-Butanone

Concen: 21.098 ug/l

RT: 7.003 min Scan# 81

Delta R.T. 0.012 min

Lab File: VY013784.D

Acq: 17 May 2023 18:23

Instrument :

MSVOA_Y

ClientSampleId :

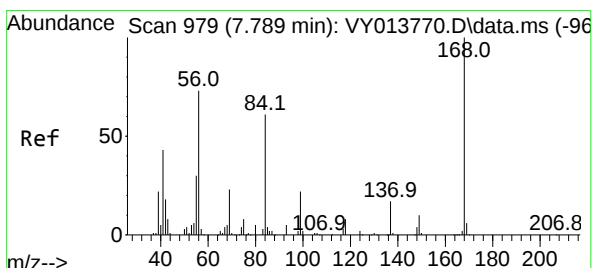
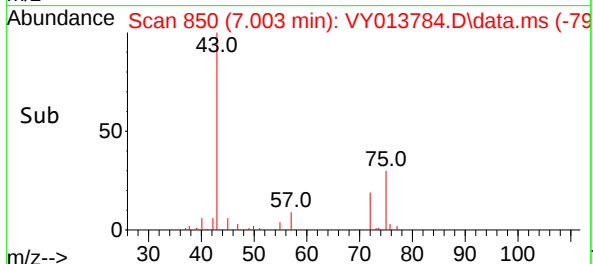
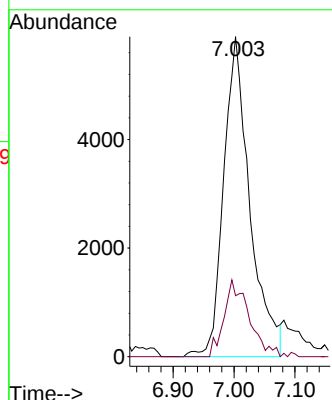
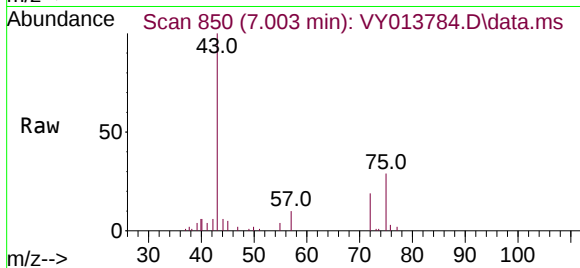
WG-0516-B3-18-20

Tgt Ion: 43 Resp: 17573

Ion Ratio Lower Upper

43 100

72 19.0 19.0 28.6#



#31

Cyclohexane

Concen: 1.512 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.006 min

Lab File: VY013784.D

Acq: 17 May 2023 18:23

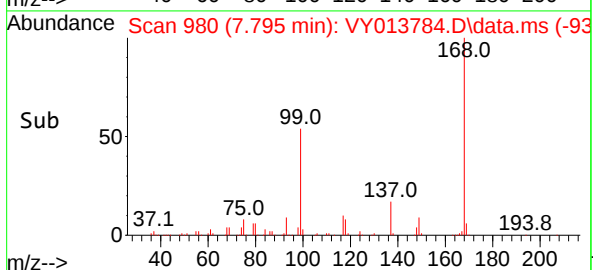
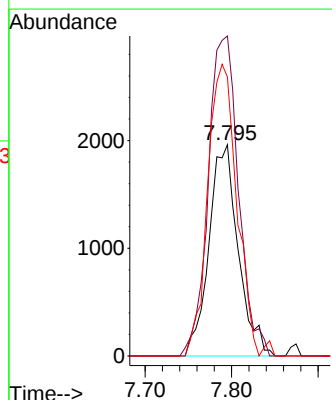
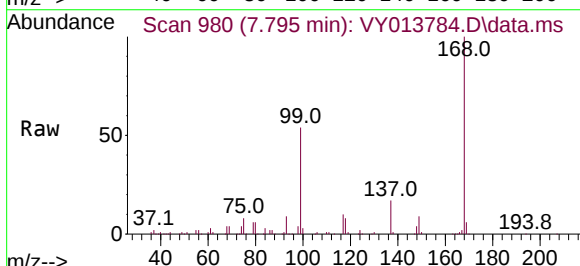
Tgt Ion: 56 Resp: 4603

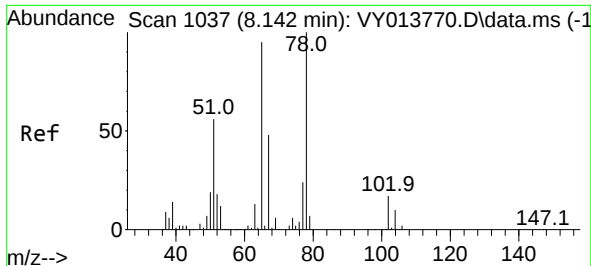
Ion Ratio Lower Upper

56 100

69 151.5 25.8 38.6#

84 132.1 65.8 98.6#





#33

1,2-Dichloroethane-d4

Concen: 56.696 ug/l

RT: 8.143 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY013784.D

Acq: 17 May 2023 18:23

Instrument :

MSVOA_Y

ClientSampleId :

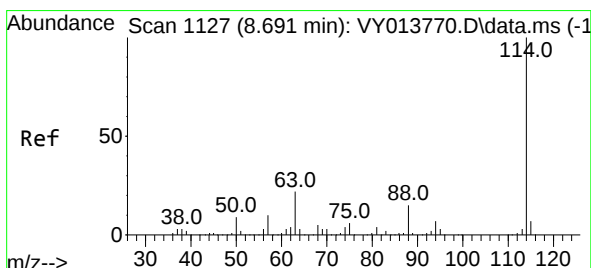
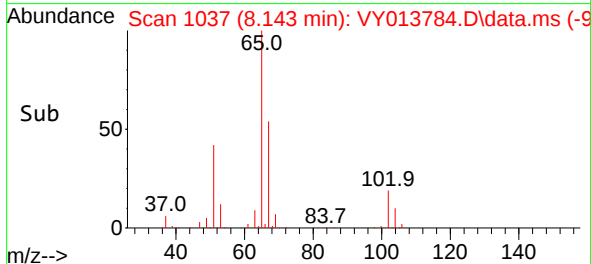
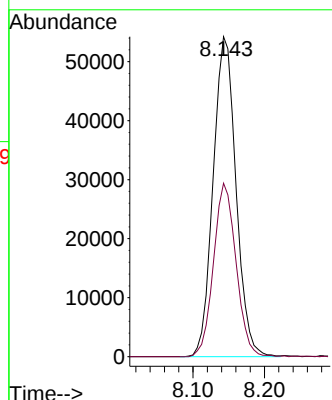
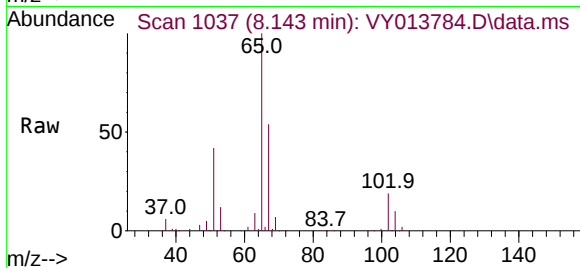
WG-0516-B3-18-20

Tgt Ion: 65 Resp: 120405

Ion Ratio Lower Upper

65 100

67 53.4 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013784.D

Acq: 17 May 2023 18:23

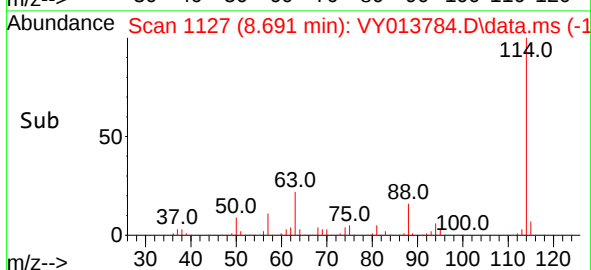
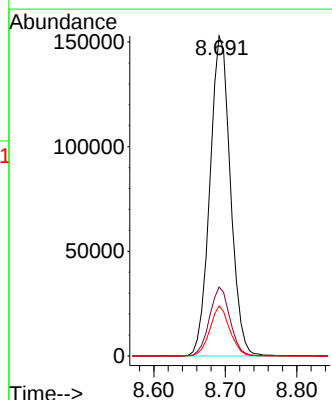
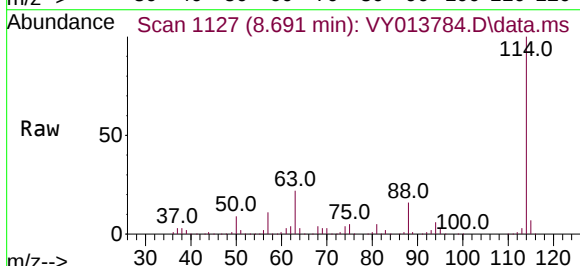
Tgt Ion: 114 Resp: 304579

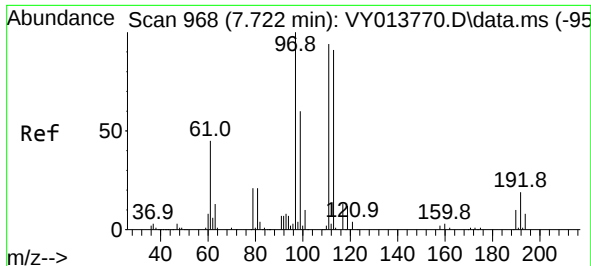
Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.8

88 15.6 0.0 30.8

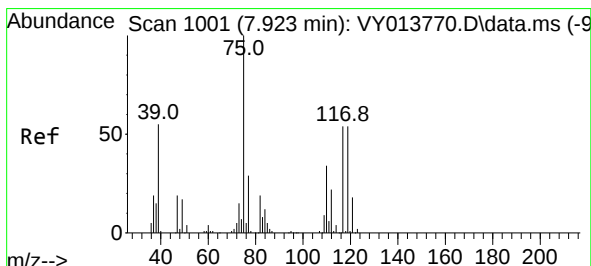
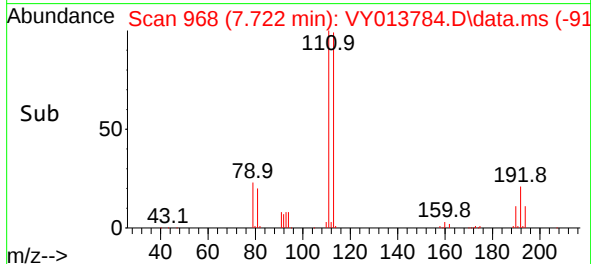
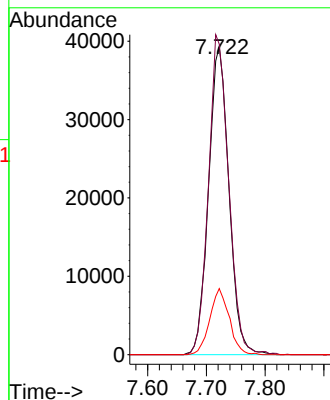
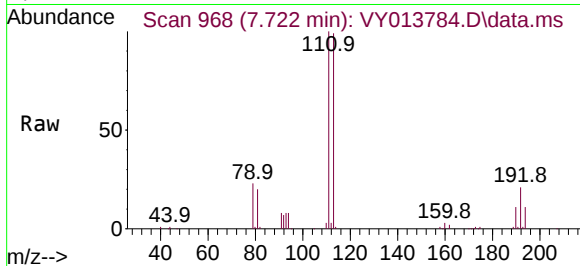




#35
Dibromofluoromethane
Concen: 48.570 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013784.D
Acq: 17 May 2023 18:23

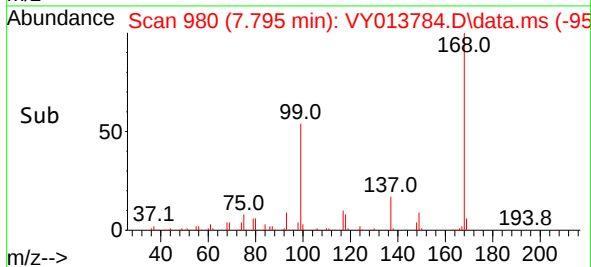
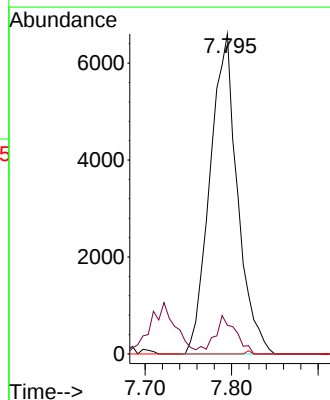
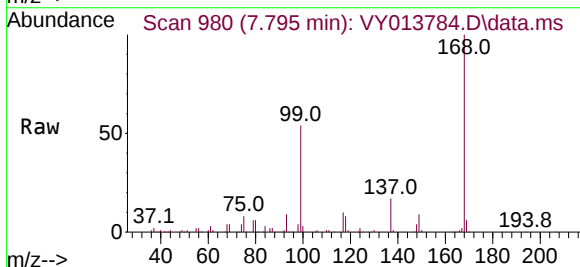
Instrument :
MSVOA_Y
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WG-0516-B3-18-20

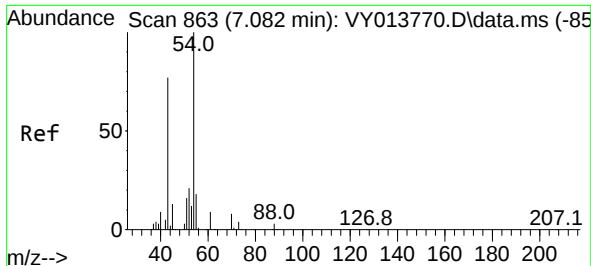
Tgt Ion:113 Resp: 94863
Ion Ratio Lower Upper
113 100
111 102.8 82.3 123.5
192 20.5 16.0 24.0



#36
1,1-Dichloropropene
Concen: 5.396 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY013784.D
Acq: 17 May 2023 18:23

Tgt Ion: 75 Resp: 14563
Ion Ratio Lower Upper
75 100
110 9.2 17.3 51.7#
77 0.0 24.6 36.8#





#37

Ethyl Acetate

Concen: 9.467 ug/l

RT: 7.003 min Scan# 8

Delta R.T. -0.079 min

Lab File: VY013784.D

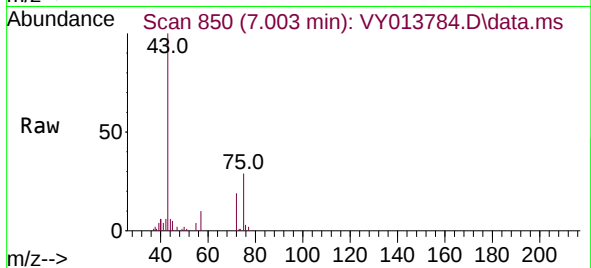
Acq: 17 May 2023 18:23

Instrument :

MSVOA_Y

ClientSampleId :

WG-0516-B3-18-20



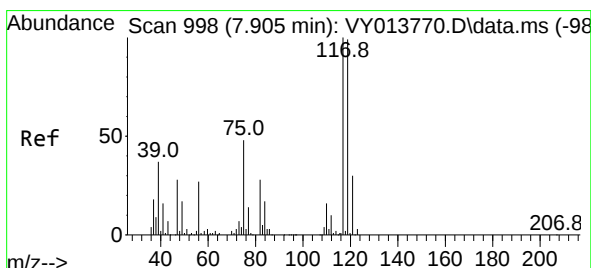
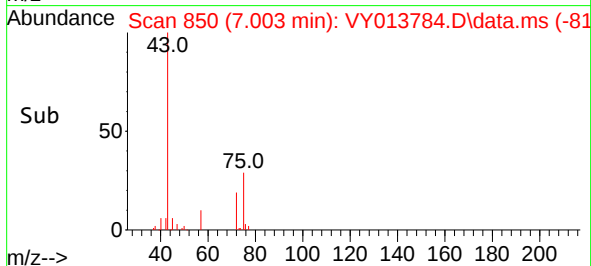
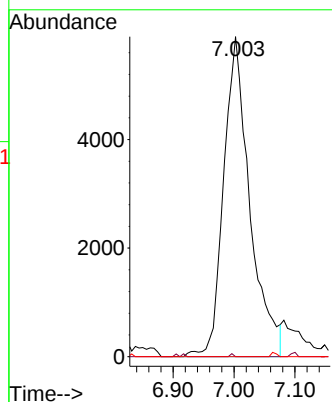
Tgt Ion: 43 Resp: 17573

Ion Ratio Lower Upper

43 100

61 0.1 10.7 16.1#

70 0.0 7.0 10.6#



#38

Carbon Tetrachloride

Concen: 6.430 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY013784.D

Acq: 17 May 2023 18:23

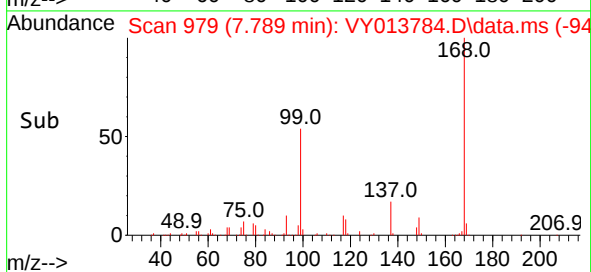
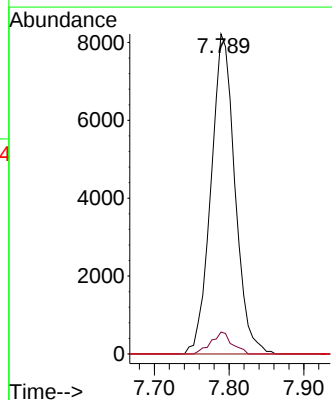
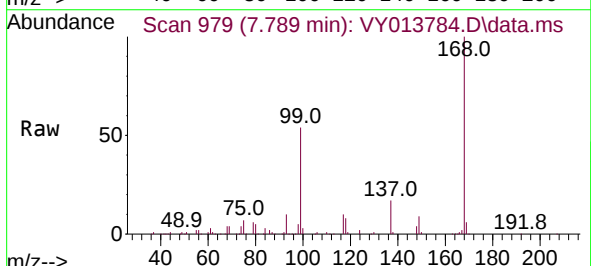
Tgt Ion: 117 Resp: 18307

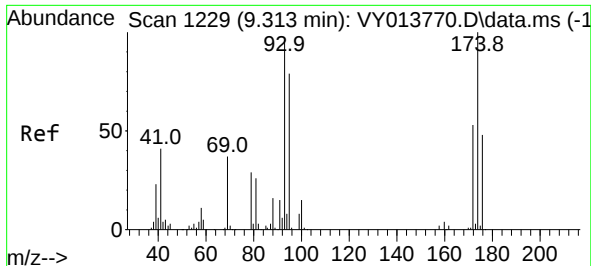
Ion Ratio Lower Upper

117 100

119 6.9 79.0 118.6#

121 0.0 24.1 36.1#





#49

1,4-Dioxane

Concen: 2.970 ug/l

RT: 9.411 min Scan# 1245

Delta R.T. 0.098 min

Lab File: VY013784.D

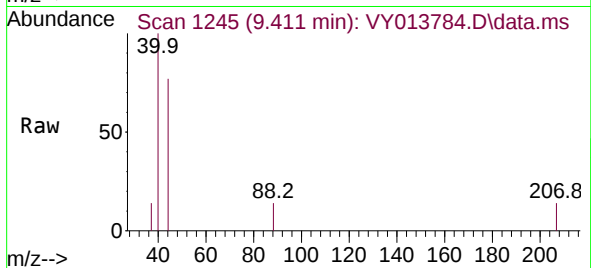
Acq: 17 May 2023 18:23

Instrument :

MSVOA_Y

ClientSampleId :

WG-0516-B3-18-20



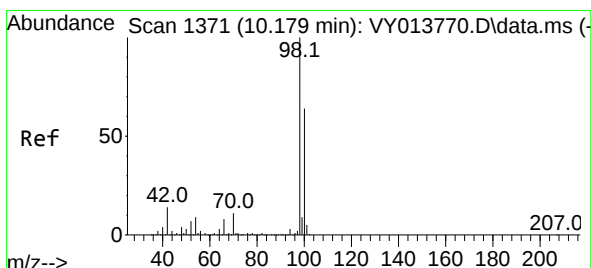
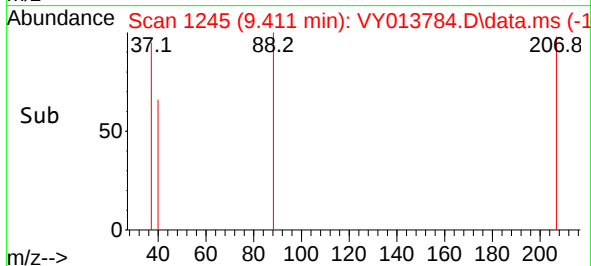
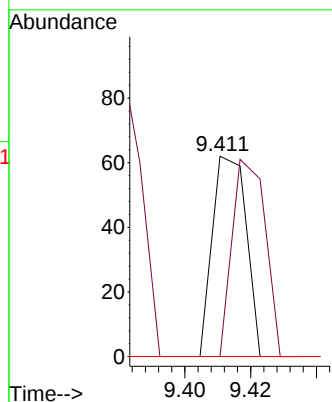
Tgt Ion: 88 Resp: 44

Ion Ratio Lower Upper

88 100

43 95.5 26.1 39.1#

58 0.0 62.2 93.2#



#50

Toluene-d8

Concen: 49.292 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY013784.D

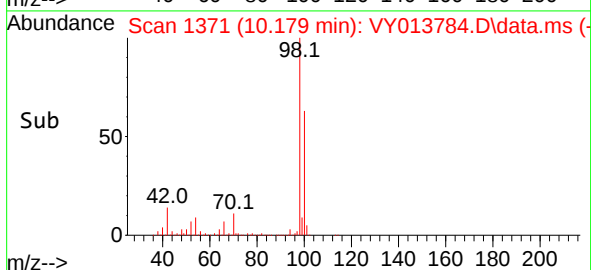
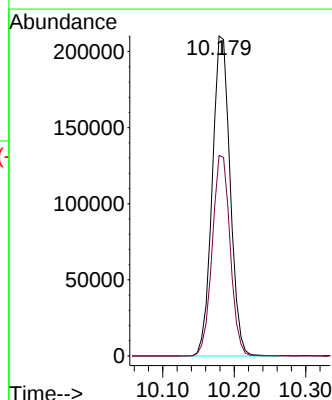
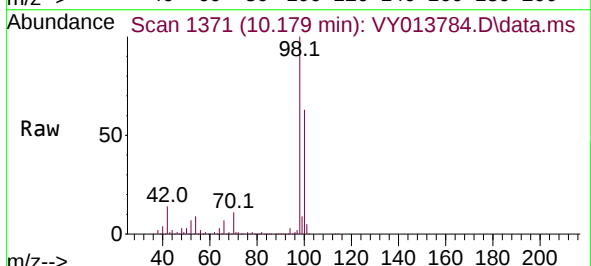
Acq: 17 May 2023 18:23

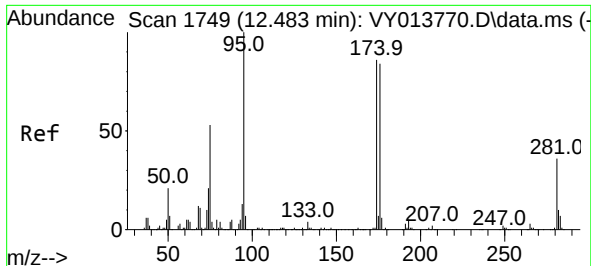
Tgt Ion: 98 Resp: 364992

Ion Ratio Lower Upper

98 100

100 62.8 51.0 76.6

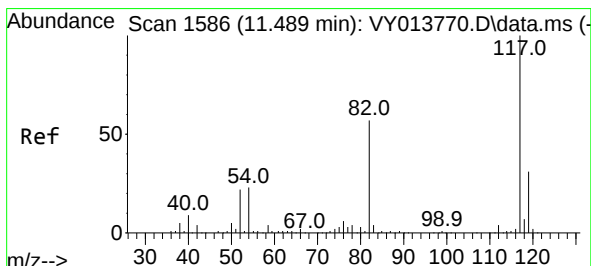
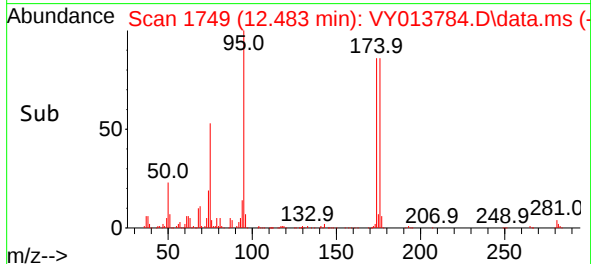
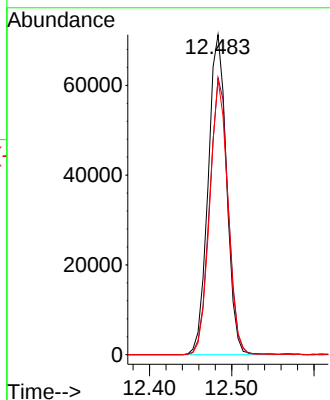
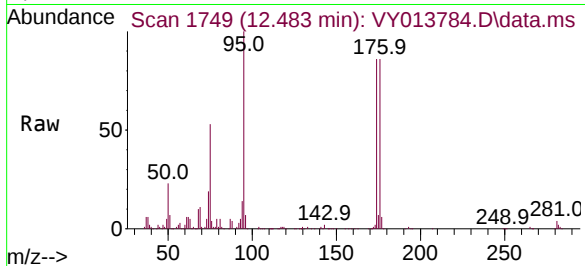




#62
4-Bromofluorobenzene
Concen: 45.158 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013784.D
Acq: 17 May 2023 18:23

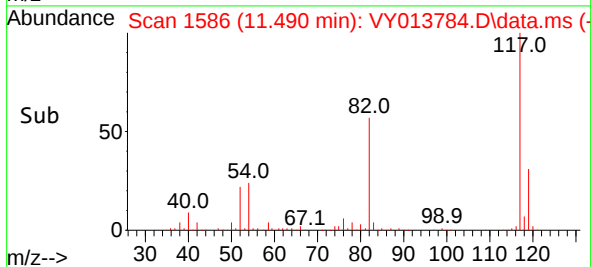
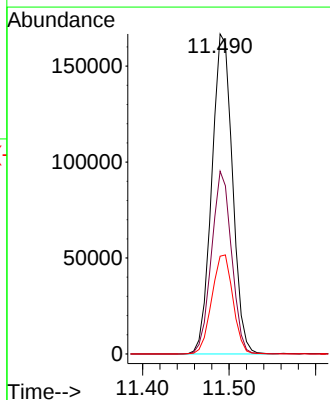
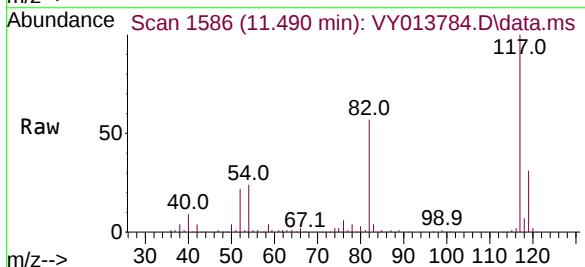
Instrument :
MSVOA_Y
ClientSampleId :
WG-0516-B3-18-20

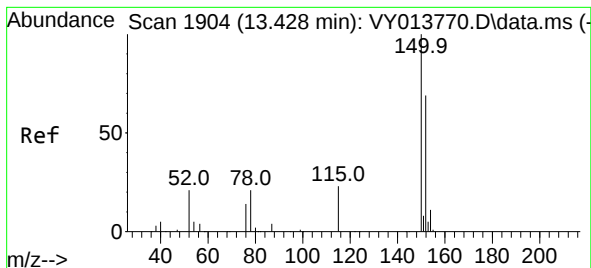
Tgt Ion: 95 Resp: 111066
Ion Ratio Lower Upper
95 100
174 87.4 0.0 168.8
176 84.7 0.0 165.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013784.D
Acq: 17 May 2023 18:23

Tgt Ion: 117 Resp: 276495
Ion Ratio Lower Upper
117 100
82 57.1 45.5 68.3
119 30.6 24.8 37.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY013784.D

Acq: 17 May 2023 18:23

Instrument :

MSVOA_Y

ClientSampleId :

WG-0516-B3-18-20

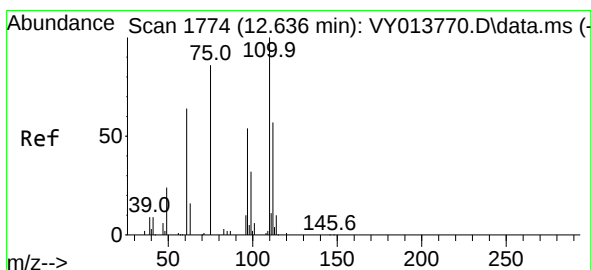
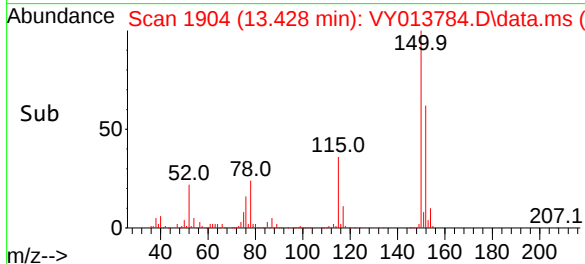
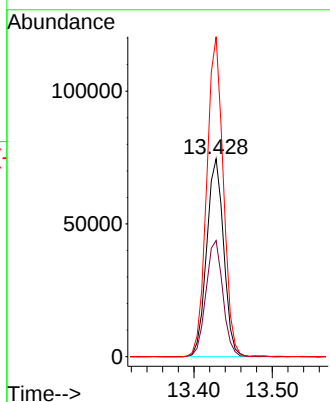
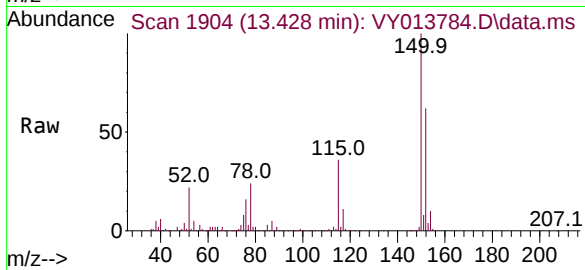
Tgt Ion:152 Resp: 112376

Ion Ratio Lower Upper

152 100

115 58.4 28.5 85.5

150 157.1 0.0 347.0



#76

1,2,3-Trichloropropane

Concen: 43.906 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY013784.D

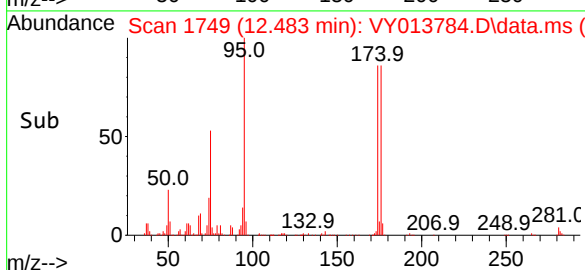
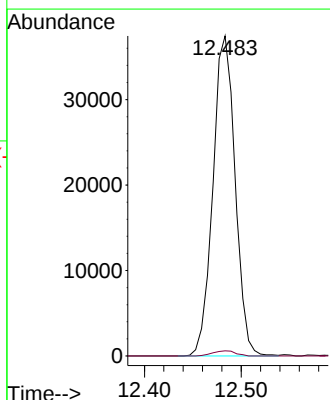
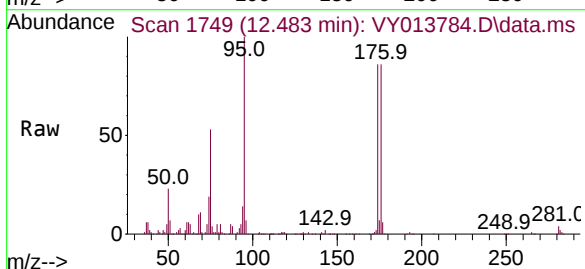
Acq: 17 May 2023 18:23

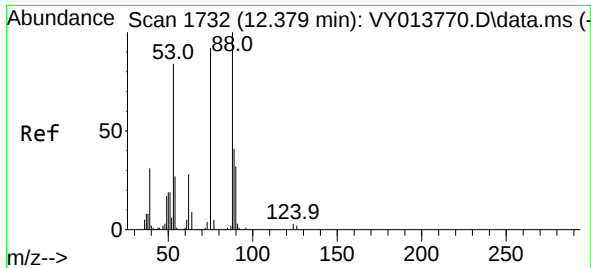
Tgt Ion: 75 Resp: 59714

Ion Ratio Lower Upper

75 100

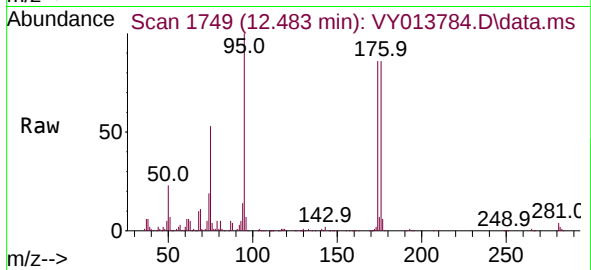
77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.751 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY013784.D
 Acq: 17 May 2023 18:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 WG-0516-B3-18-20



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.3	75.3	112.9#
89	0.0	35.4	53.2#

