

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051723\
 Data File : VY013785.D
 Acq On : 17 May 2023 18:47
 Operator : KP/MD
 Sample : 02812-10
 Misc : 6.35g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WG-0516-BD

Quant Time: May 18 07:17:49 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

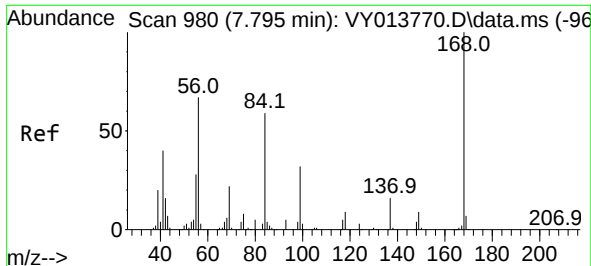
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.795	168	174122	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	303380	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	287625	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	122796	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	128892	63.722	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 127.440%			
35) Dibromofluoromethane	7.722	113	105826	54.397	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.800%			
50) Toluene-d8	10.185	98	365224	49.519	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.040%			
62) 4-Bromofluorobenzene	12.483	95	117121	47.808	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.620%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.003	59	341	2.081	ug/l #	73
13) Acrolein	3.735	56	601	2.053	ug/l	89
16) Acetone	3.960	43	40040	65.611	ug/l	99
17) Carbon Disulfide	4.198	76	18734	4.462	ug/l	99
18) Methyl Acetate	4.491	43	2763	1.299	ug/l	100
20) Methylene Chloride	4.716	84	13865	1.595	ug/l	93
25) 2-Butanone	6.996	43	14936	18.827	ug/l	97
31) Cyclohexane	7.801	56	4593	1.584	ug/l #	20
36) 1,1-Dichloropropene	7.795	75	14369	5.346	ug/l #	50
37) Ethyl Acetate	6.996	43	14936	8.078	ug/l #	70
38) Carbon Tetrachloride	7.789	117	17747	6.258	ug/l #	15
51) 4-Methyl-2-Pentanone	10.179	43	2118	1.133	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	64474	43.383	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	64474	96.587	ug/l #	12

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

Quant Time: May 18 07:17:49 2023
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Quant Title : SW846 8260
QLast Update : Thu May 18 06:54:18 2023
Response via : Initial Calibration

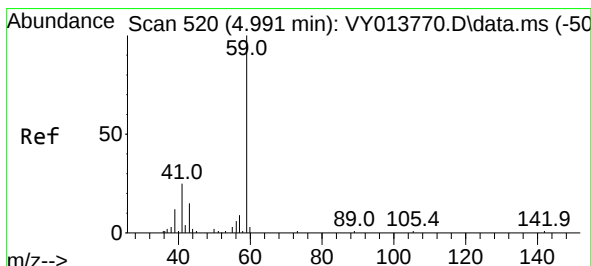
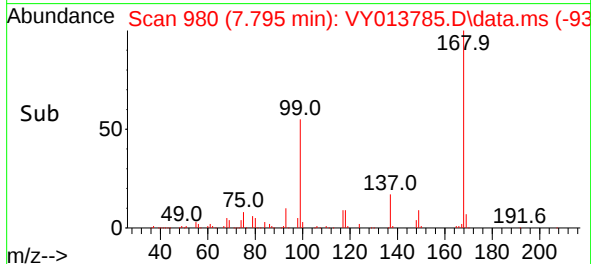
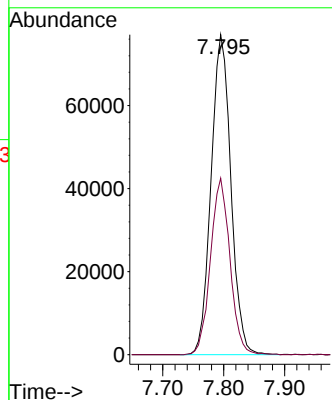
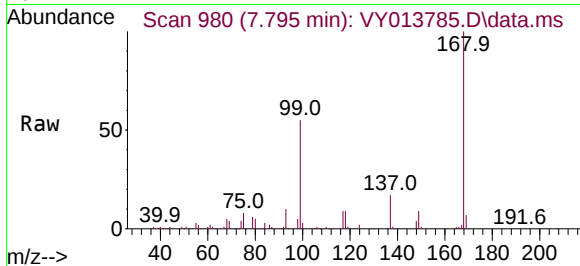




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY013785.D
Acq: 17 May 2023 18:47

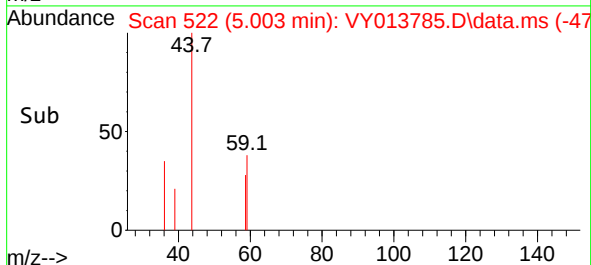
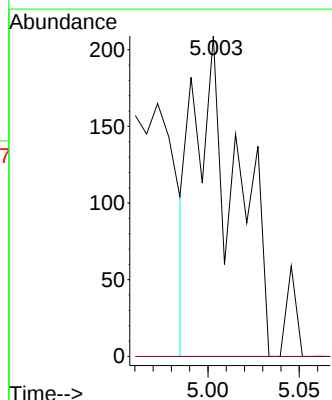
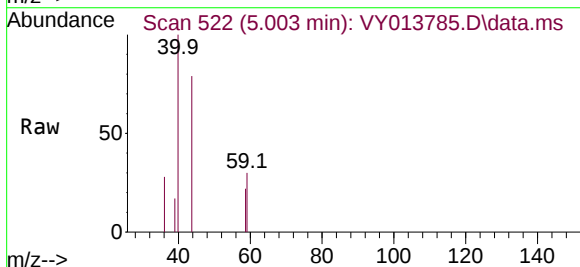
Instrument :
MSVOA_Y
ClientSampleId :
WG-0516-BD

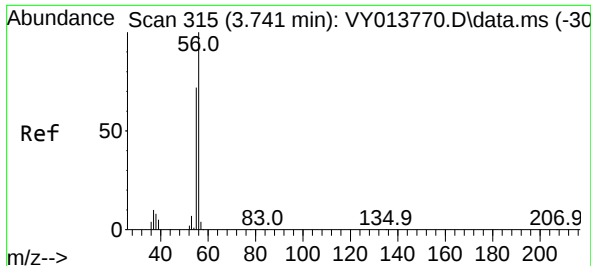
Tgt Ion:168 Resp: 174122
Ion Ratio Lower Upper
168 100
99 55.2 44.0 66.0



#11
Tert butyl alcohol
Concen: 2.081 ug/l
RT: 5.003 min Scan# 522
Delta R.T. 0.012 min
Lab File: VY013785.D
Acq: 17 May 2023 18:47

Tgt Ion: 59 Resp: 341
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

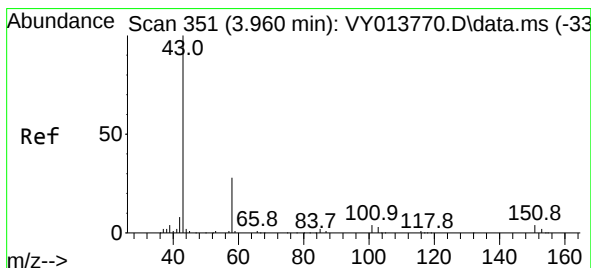
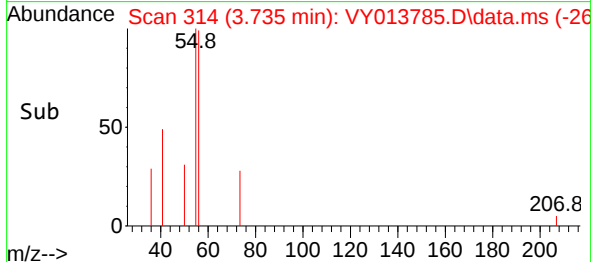
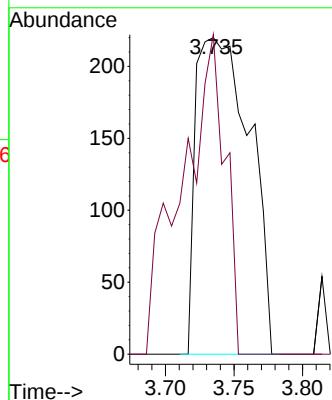
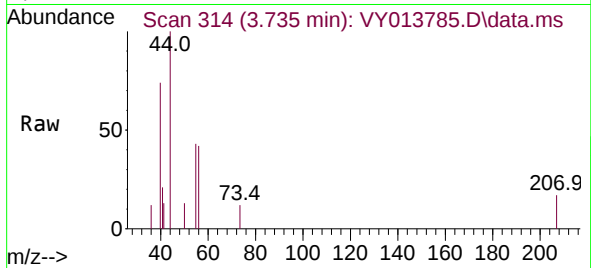




#13
Acrolein
Concen: 2.053 ug/l
RT: 3.735 min Scan# 315
Delta R.T. -0.006 min
Lab File: VY013785.D
Acq: 17 May 2023 18:47

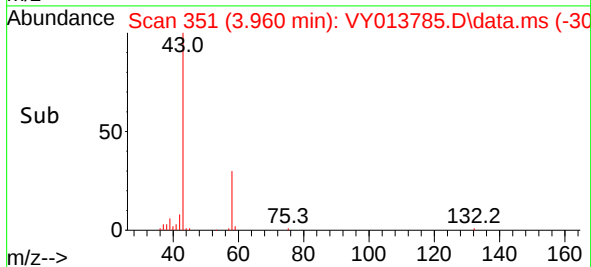
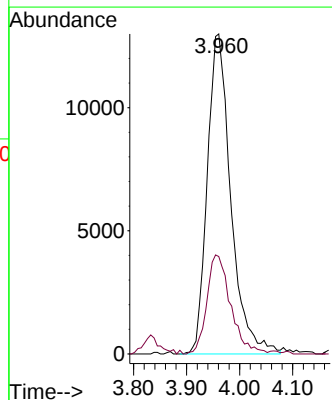
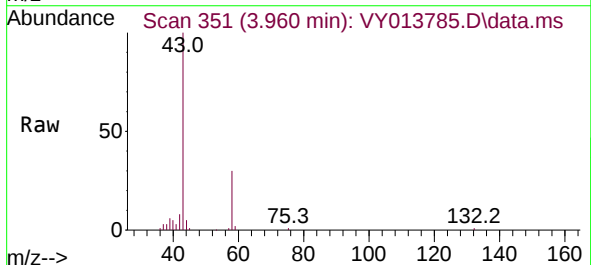
Instrument :
MSVOA_Y
ClientSampleId :
WG-0516-BD

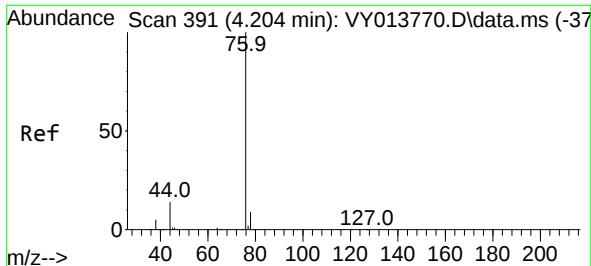
Tgt Ion: 56 Resp: 601
Ion Ratio Lower Upper
56 100
55 81.2 57.5 86.3



#16
Acetone
Concen: 65.611 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.000 min
Lab File: VY013785.D
Acq: 17 May 2023 18:47

Tgt Ion: 43 Resp: 40040
Ion Ratio Lower Upper
43 100
58 30.0 23.7 35.5

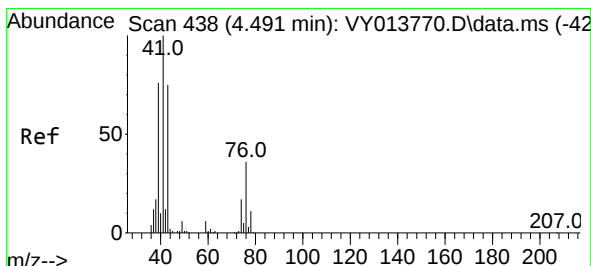
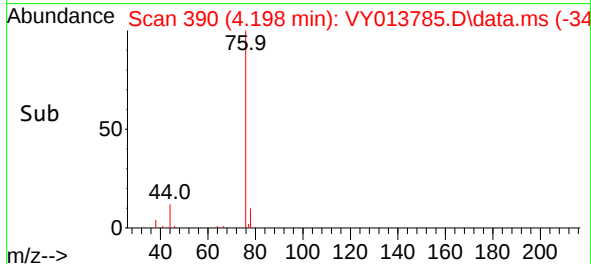
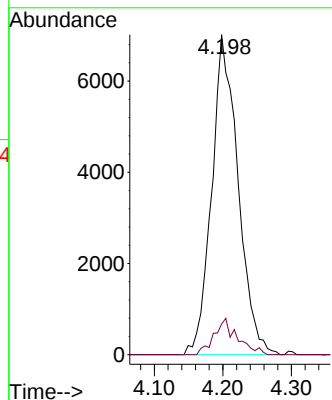
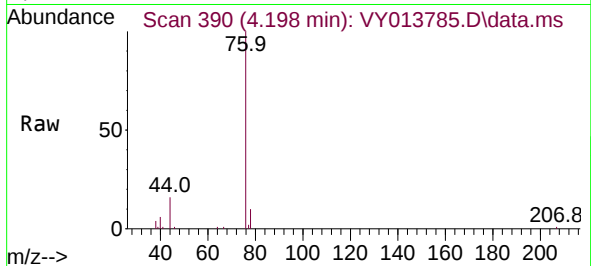




#17
Carbon Disulfide
Concen: 4.462 ug/l
RT: 4.198 min Scan# 391
Delta R.T. -0.006 min
Lab File: VY013785.D
Acq: 17 May 2023 18:47

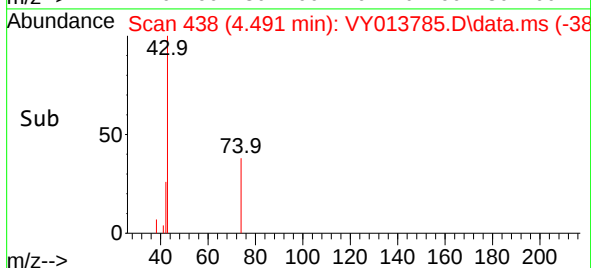
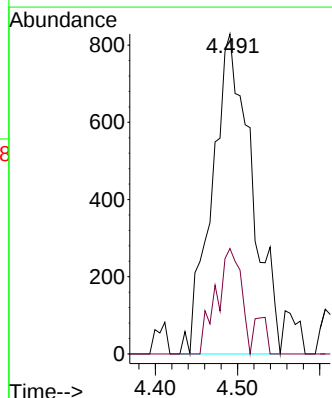
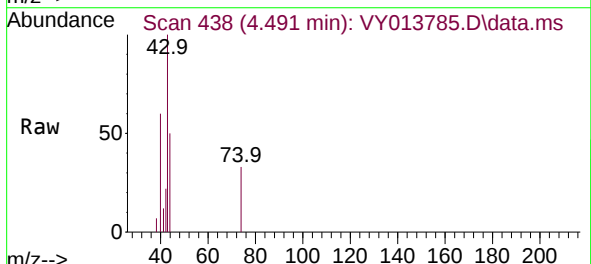
Instrument :
MSVOA_Y
ClientSampleId :
WG-0516-BD

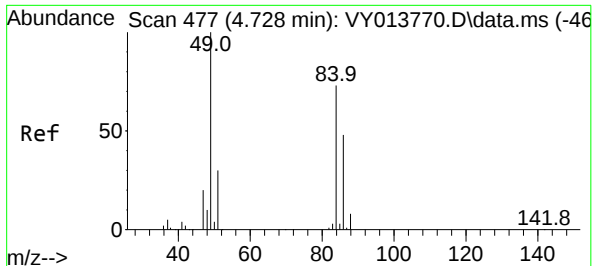
Tgt Ion: 76 Resp: 18734
Ion Ratio Lower Upper
76 100
78 9.6 7.5 11.3



#18
Methyl Acetate
Concen: 1.299 ug/l
RT: 4.491 min Scan# 438
Delta R.T. 0.000 min
Lab File: VY013785.D
Acq: 17 May 2023 18:47

Tgt Ion: 43 Resp: 2763
Ion Ratio Lower Upper
43 100
74 20.6 16.6 25.0

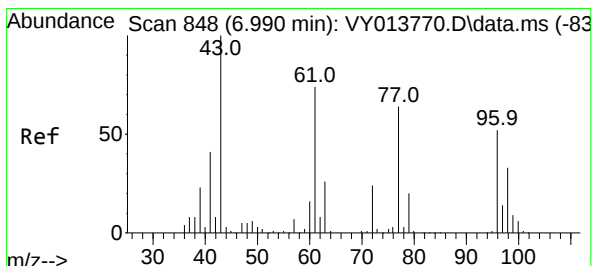
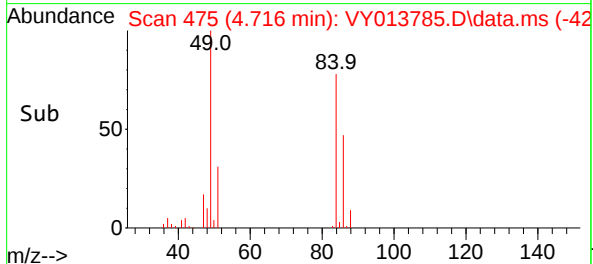
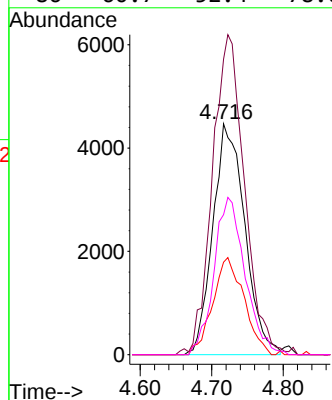
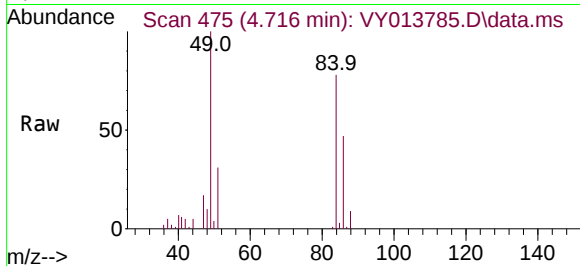




#20
Methylene Chloride
Concen: 1.595 ug/l
RT: 4.716 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY013785.D
Acq: 17 May 2023 18:47

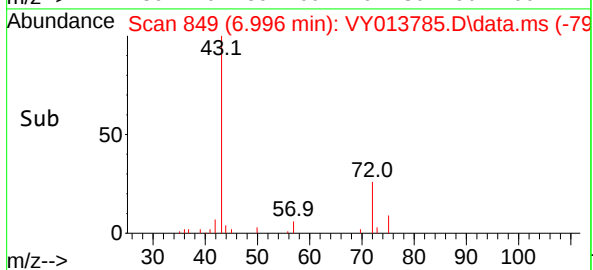
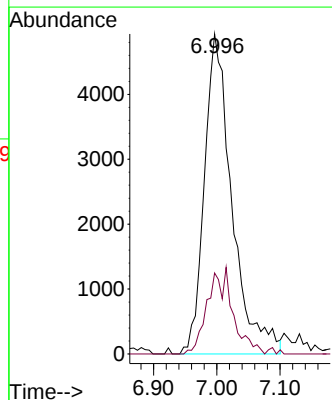
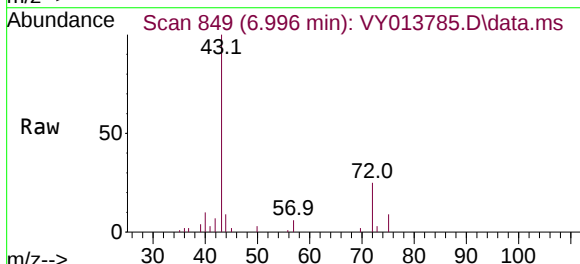
Instrument :
MSVOA_Y
ClientSampleId :
WG-0516-BD

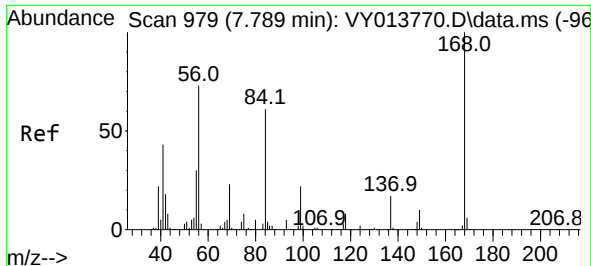
Tgt Ion:	84	Resp:	13865
Ion	Ratio	Lower	Upper
84	100		
49	126.4	109.4	164.0
51	40.1	32.8	49.2
86	60.7	52.4	78.6



#25
2-Butanone
Concen: 18.827 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY013785.D
Acq: 17 May 2023 18:47

Tgt Ion:	43	Resp:	14936
Ion	Ratio	Lower	Upper
43	100		
72	25.3	19.0	28.6

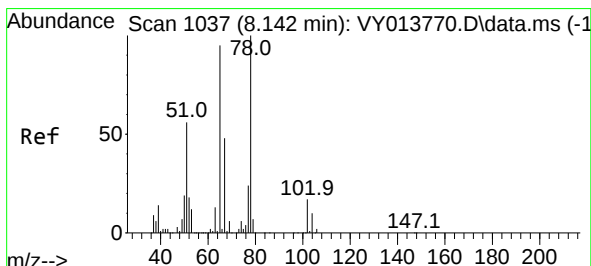
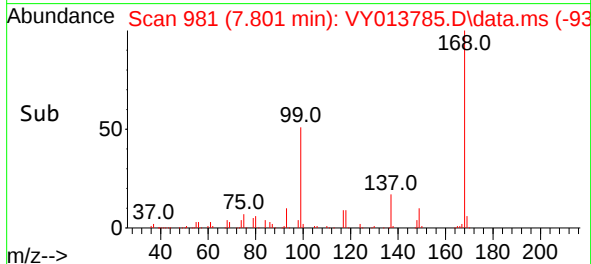
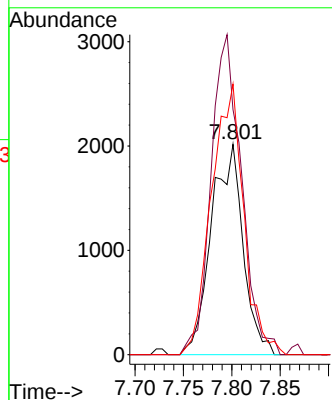
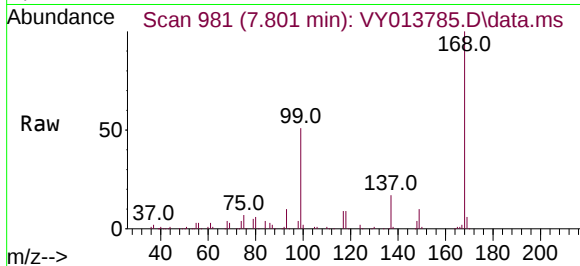




#31
Cyclohexane
Concen: 1.584 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY013785.D
Acq: 17 May 2023 18:47

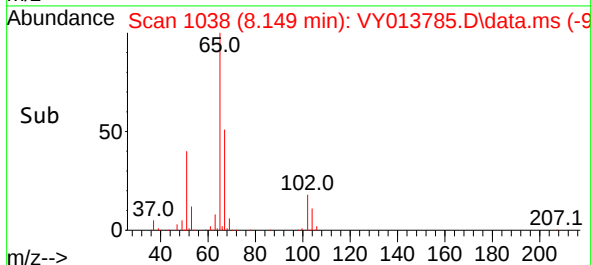
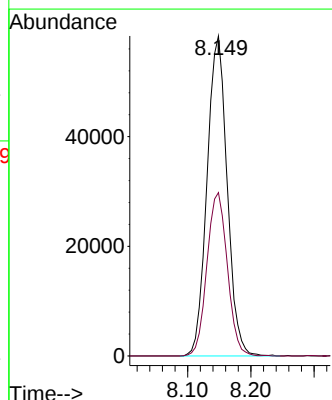
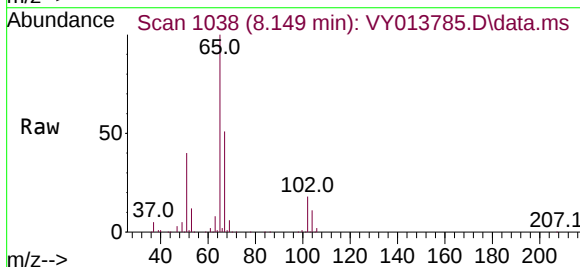
Instrument :
MSVOA_Y
ClientSampleId :
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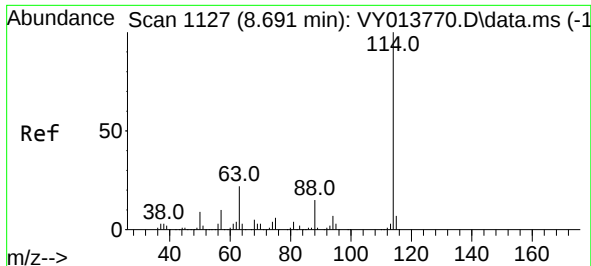
Tgt Ion: 56 Resp: 4593
Ion Ratio Lower Upper
56 100
69 116.5 25.8 38.6#
84 128.6 65.8 98.6#



#33
1,2-Dichloroethane-d4
Concen: 63.722 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.006 min
Lab File: VY013785.D
Acq: 17 May 2023 18:47

Tgt Ion: 65 Resp: 128892
Ion Ratio Lower Upper
65 100
67 51.7 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY013785.D

Acq: 17 May 2023 18:47

Instrument :

MSVOA_Y

ClientSampleId :

WG-0516-BD

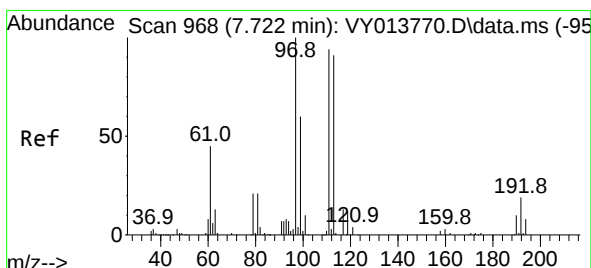
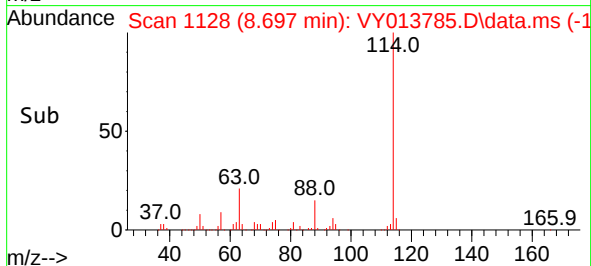
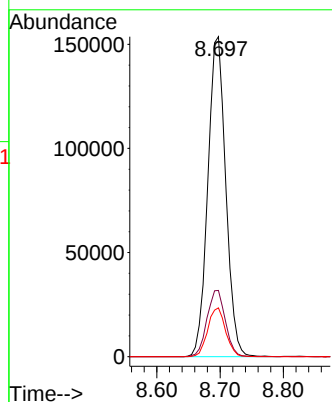
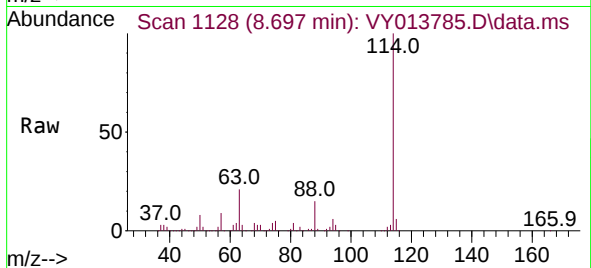
Tgt Ion:114 Resp: 303380

Ion Ratio Lower Upper

114 100

63 20.7 0.0 43.8

88 15.3 0.0 30.8



#35

Dibromofluoromethane

Concen: 54.397 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY013785.D

Acq: 17 May 2023 18:47

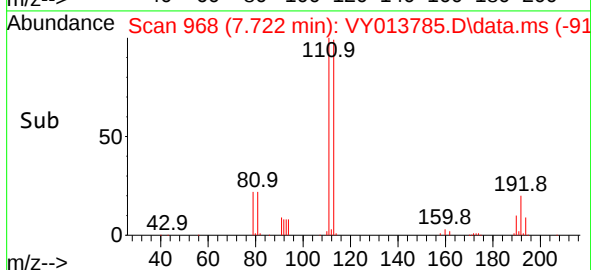
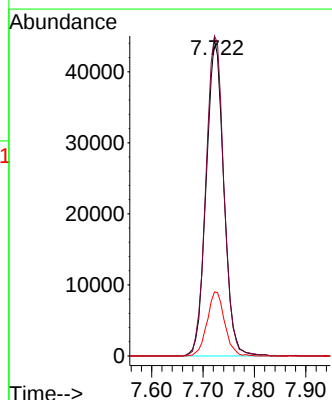
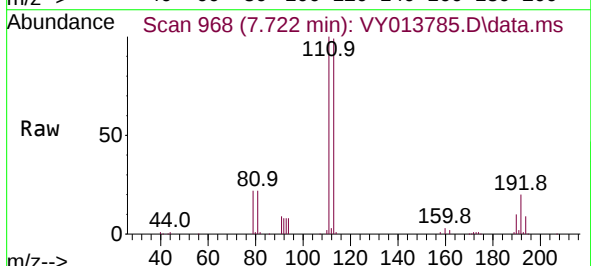
Tgt Ion:113 Resp: 105826

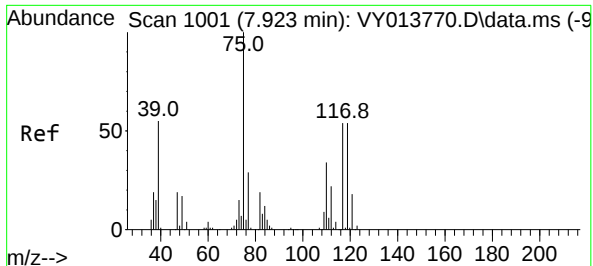
Ion Ratio Lower Upper

113 100

111 103.1 82.3 123.5

192 20.2 16.0 24.0





#36

1,1-Dichloropropene

Concen: 5.346 ug/l

RT: 7.795 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY013785.D

Acq: 17 May 2023 18:47

Instrument :

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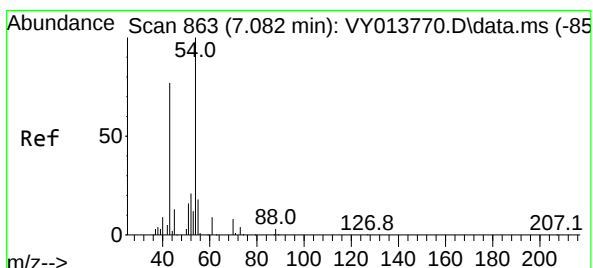
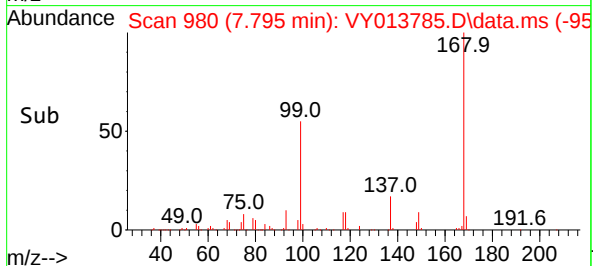
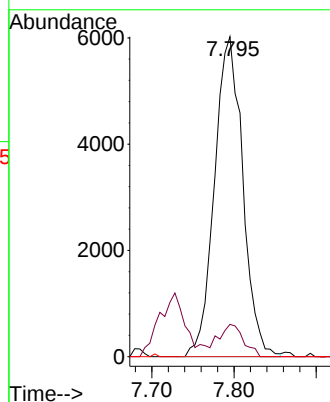
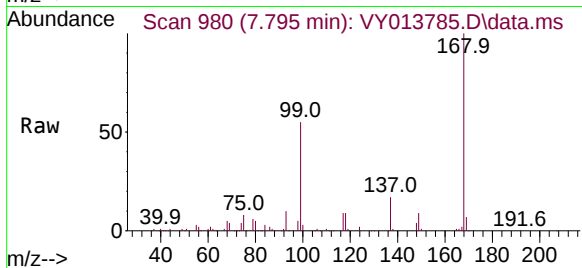
Tgt Ion: 75 Resp: 14369

Ion Ratio Lower Upper

75 100

110 8.7 17.3 51.7#

77 0.0 24.6 36.8#



#37

Ethyl Acetate

Concen: 8.078 ug/l

RT: 6.996 min Scan# 849

Delta R.T. -0.085 min

Lab File: VY013785.D

Acq: 17 May 2023 18:47

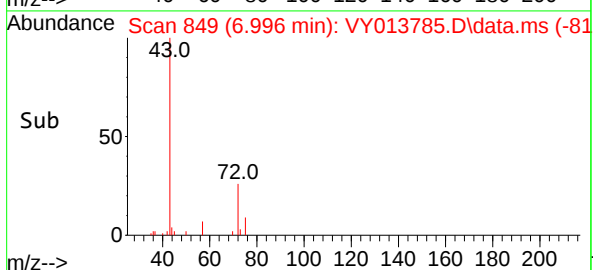
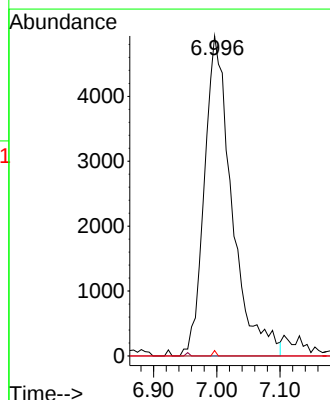
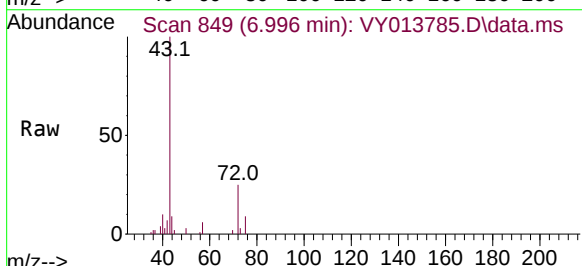
Tgt Ion: 43 Resp: 14936

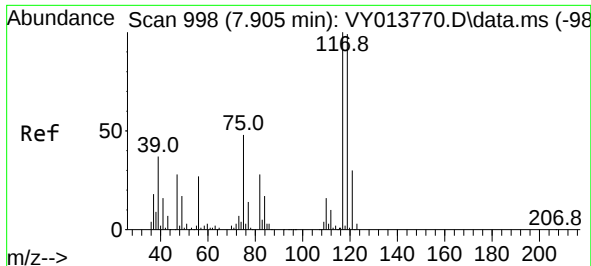
Ion Ratio Lower Upper

43 100

61 0.0 10.7 16.1#

70 0.2 7.0 10.6#

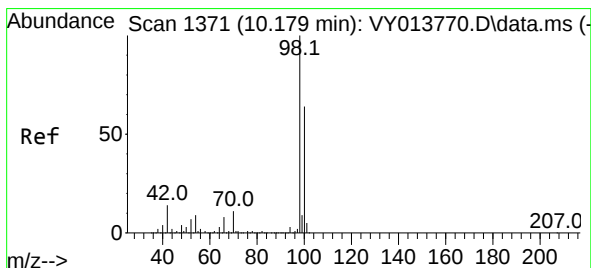
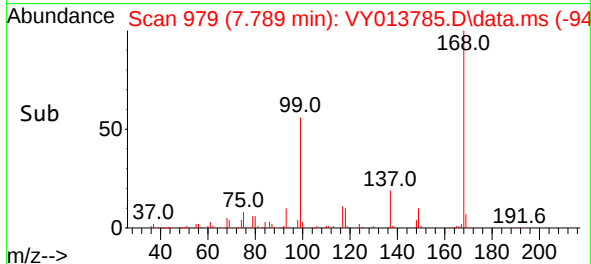
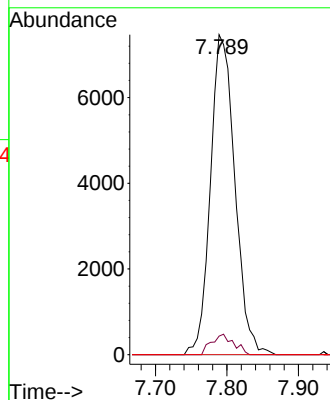
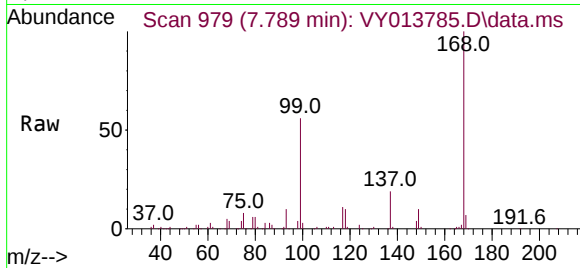




#38
Carbon Tetrachloride
Concen: 6.258 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013785.D
Acq: 17 May 2023 18:47

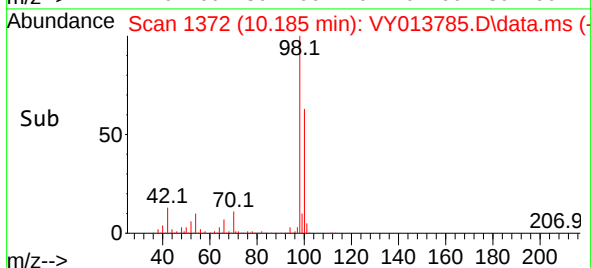
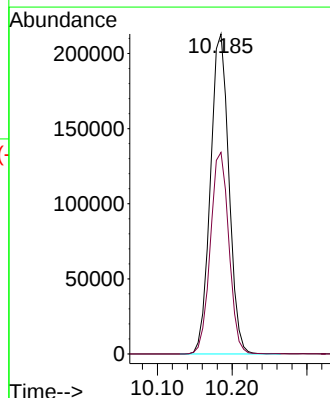
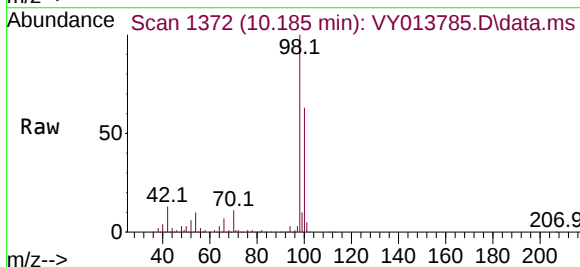
Instrument :
MSVOA_Y
ClientSampleId :
WG-0516-BD

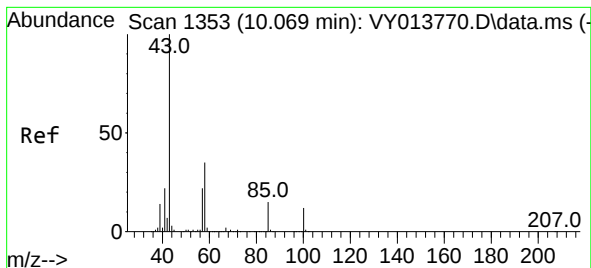
Tgt Ion:117 Resp: 17747
Ion Ratio Lower Upper
117 100
119 5.8 79.0 118.6#
121 0.0 24.1 36.1#



#50
Toluene-d8
Concen: 49.519 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY013785.D
Acq: 17 May 2023 18:47

Tgt Ion: 98 Resp: 365224
Ion Ratio Lower Upper
98 100
100 63.1 51.0 76.6

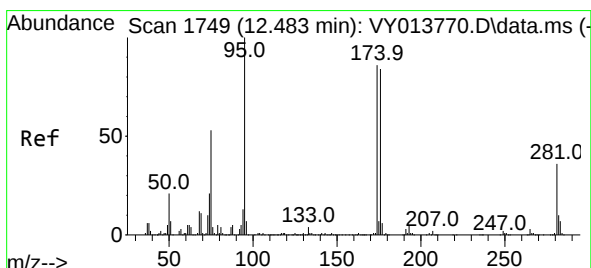
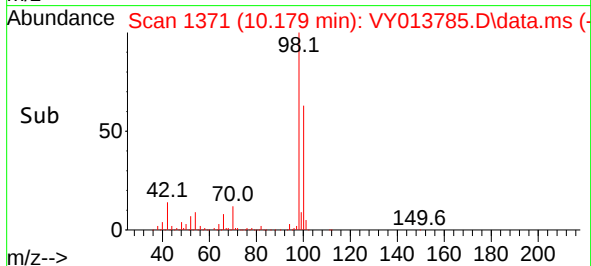
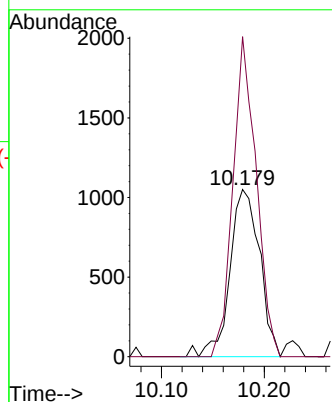
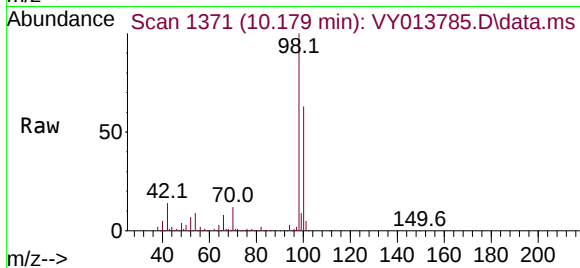




#51
4-Methyl-2-Pentanone
Concen: 1.133 ug/l
RT: 10.179 min Scan# 1353
Delta R.T. 0.110 min
Lab File: VY013785.D
Acq: 17 May 2023 18:47

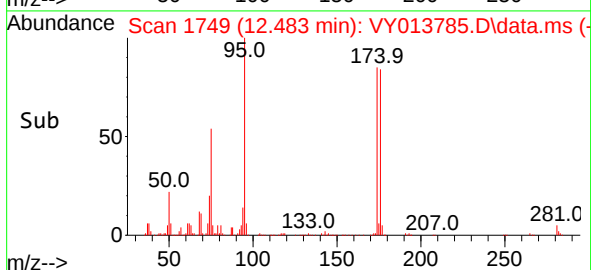
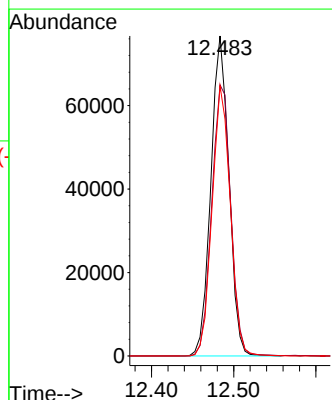
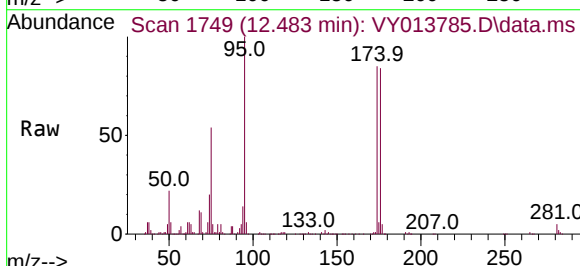
Instrument :
MSVOA_Y
ClientSampleId :
WG-0516-BD

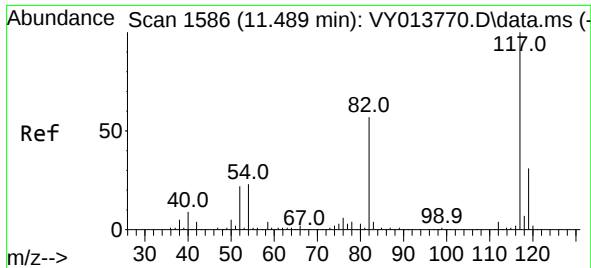
Tgt Ion: 43 Resp: 2118
Ion Ratio Lower Upper
43 100
58 150.2 28.2 42.2#



#62
4-Bromofluorobenzene
Concen: 47.808 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY013785.D
Acq: 17 May 2023 18:47

Tgt Ion: 95 Resp: 117121
Ion Ratio Lower Upper
95 100
174 89.5 0.0 168.8
176 85.2 0.0 165.2

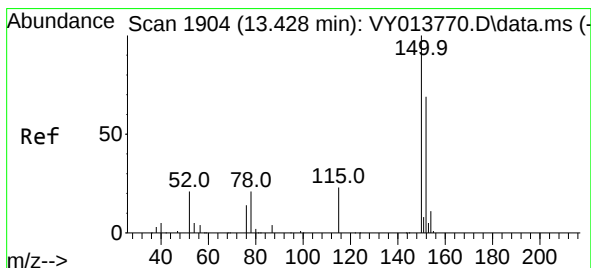
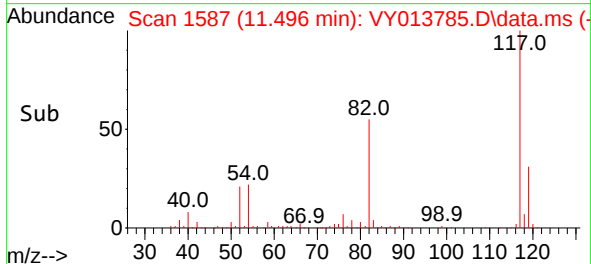
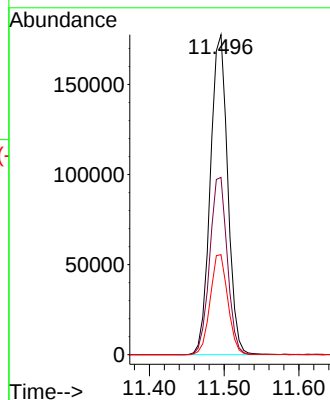
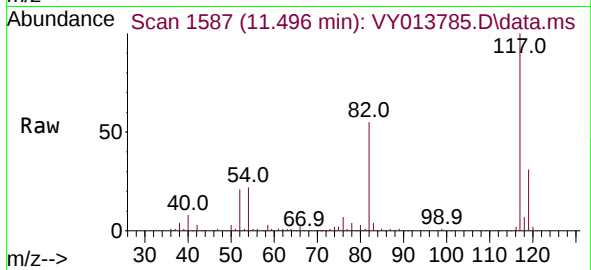




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 117
Delta R.T. 0.006 min
Lab File: VY013785.D
Acq: 17 May 2023 18:47

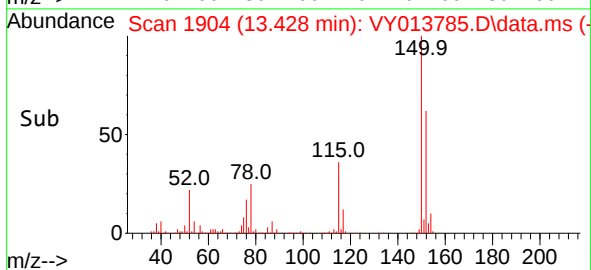
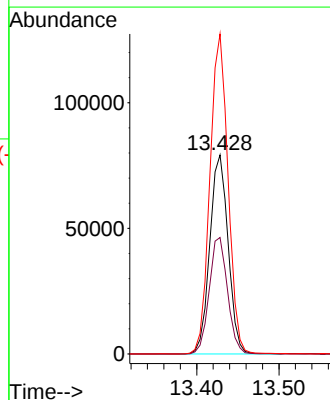
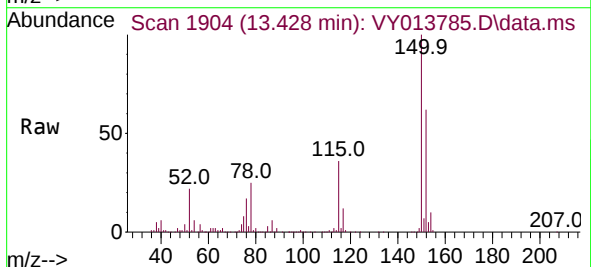
Instrument :
MSVOA_Y
ClientSampleId :
WG-0516-BD

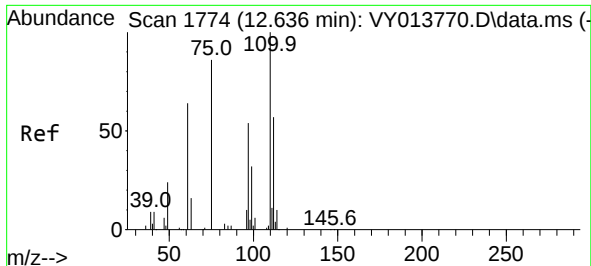
Tgt Ion:117 Resp: 287625
Ion Ratio Lower Upper
117 100
82 55.4 45.5 68.3
119 31.2 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY013785.D
Acq: 17 May 2023 18:47

Tgt Ion:152 Resp: 122796
Ion Ratio Lower Upper
152 100
115 58.5 28.5 85.5
150 158.6 0.0 347.0

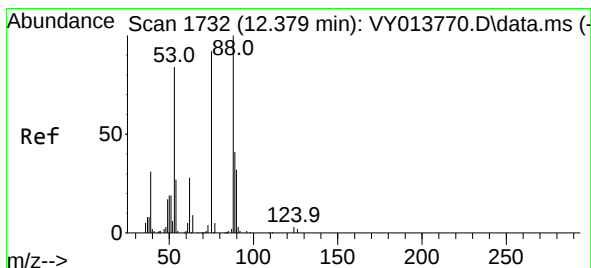
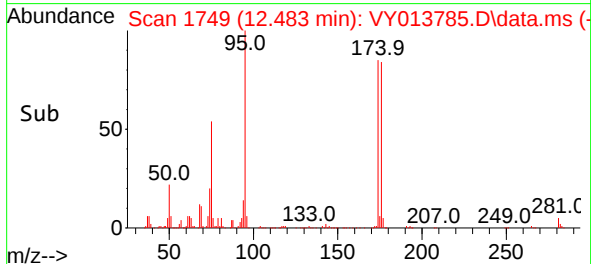
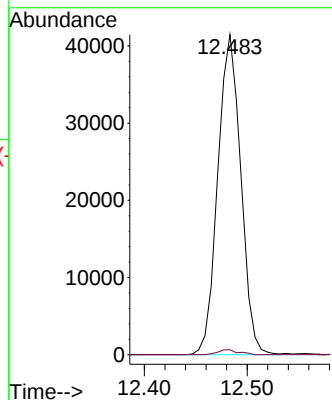
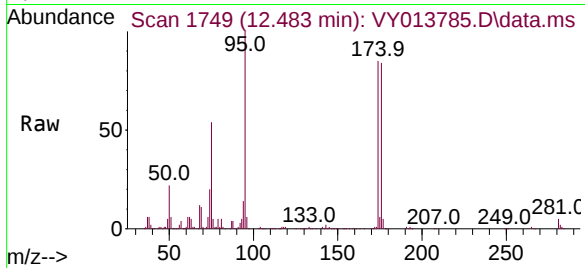




#76
1,2,3-Trichloropropane
Concen: 43.383 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY013785.D
Acq: 17 May 2023 18:47

Instrument :
MSVOA_Y
ClientSampleId :
WG-0516-BD

Tgt Ion: 75 Resp: 64474
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.587 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY013785.D
Acq: 17 May 2023 18:47

Tgt Ion: 75 Resp: 64474
Ion Ratio Lower Upper
75 100
53 0.3 75.3 112.9#
89 0.2 35.4 53.2#

