

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051723\
 Data File : VY013782.D
 Acq On : 17 May 2023 17:37
 Operator : KP/MD
 Sample : 02812-03
 Misc : 6.21g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WG-0516-B5-18-20

Quant Time: May 18 07:16:45 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)

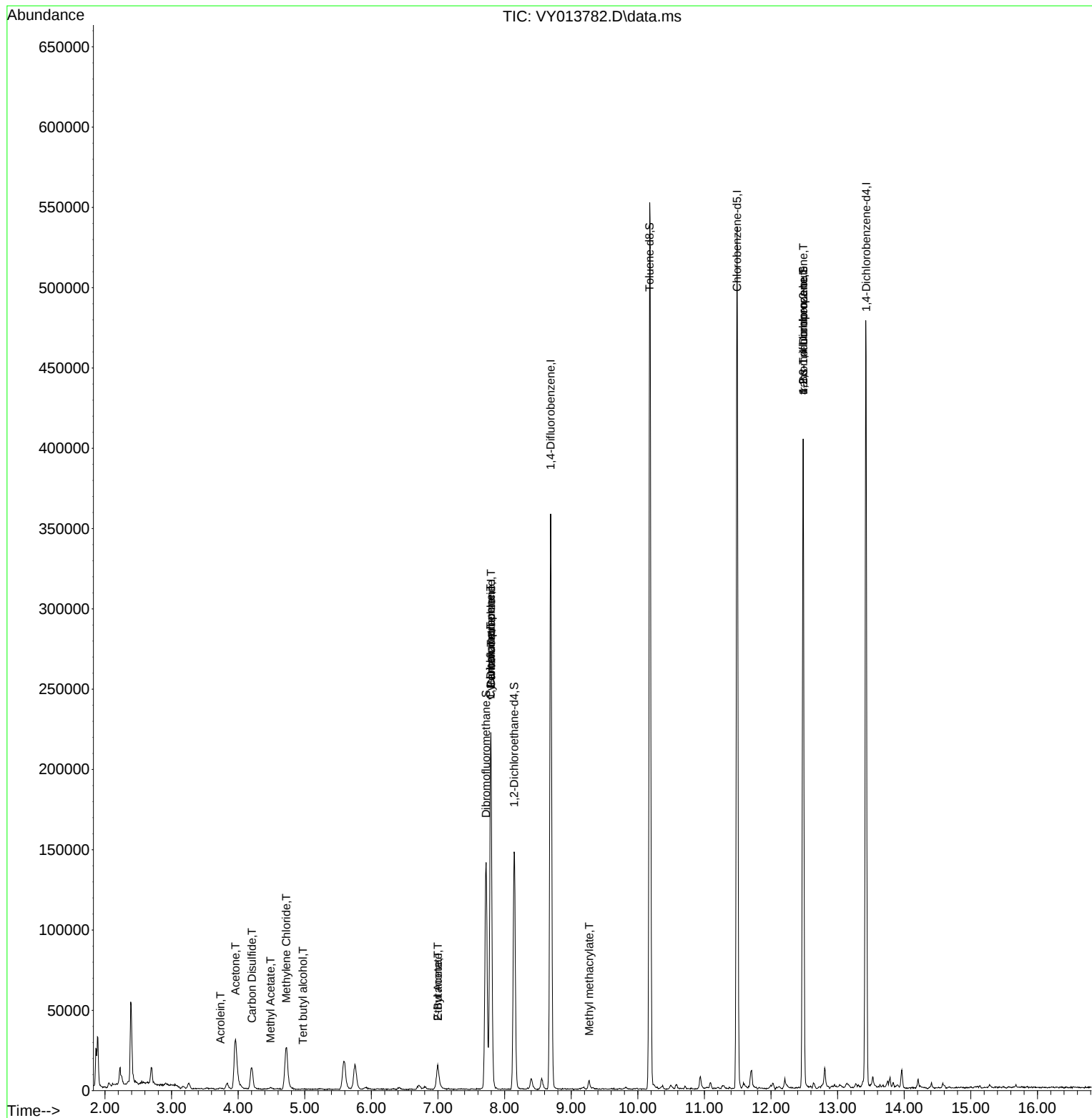
Internal Standards						
1) Pentafluorobenzene	7.795	168	166898	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	291198	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	274203	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	119825	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	117961	60.842	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 121.680%			
35) Dibromofluoromethane	7.722	113	98875	52.950	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.900%			
50) Toluene-d8	10.179	98	354640	50.095	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.200%			
62) 4-Bromofluorobenzene	12.483	95	114723	48.789	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.580%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.972	59	264	1.681	ug/l #	81
13) Acrolein	3.735	56	700	2.495	ug/l	88
16) Acetone	3.960	43	68127	116.468	ug/l	94
17) Carbon Disulfide	4.204	76	27776	6.902	ug/l	97
18) Methyl Acetate	4.485	43	2121	1.040	ug/l	100
20) Methylene Chloride	4.722	84	18317	4.845	ug/l	97
25) 2-Butanone	6.996	43	25299	33.271	ug/l	97
31) Cyclohexane	7.789	56	4172	1.501	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	13282	5.148	ug/l #	51
37) Ethyl Acetate	6.996	43	25299	14.255	ug/l #	71
38) Carbon Tetrachloride	7.795	117	16422	6.033	ug/l #	14
48) Methyl methacrylate	9.270	41	2067	1.397	ug/l #	47
76) 1,2,3-Trichloropropane	12.483	75	61588	42.469	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	61588	94.551	ug/l #	12

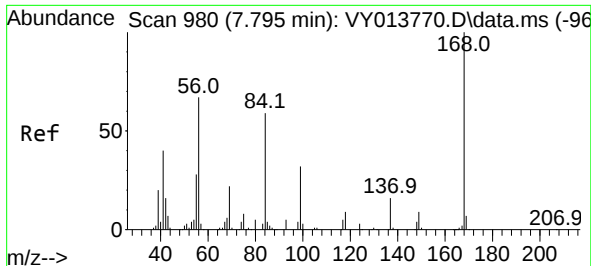
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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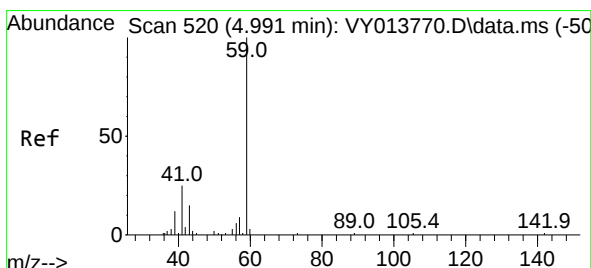
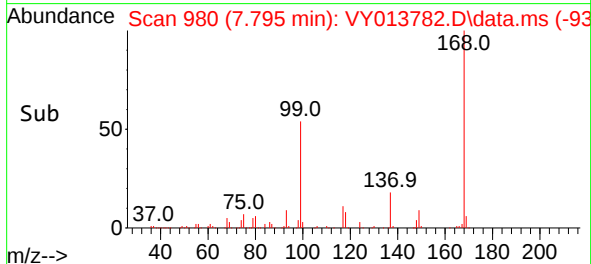
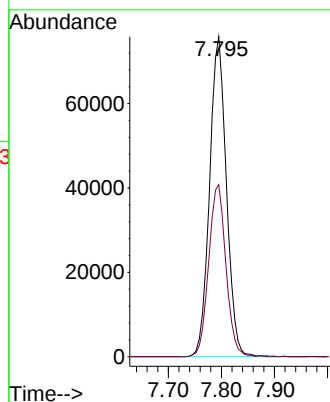
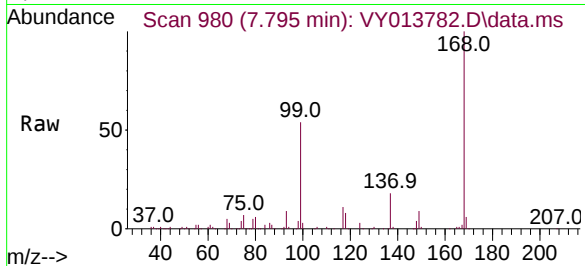




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013782.D
Acq: 17 May 2023 17:37

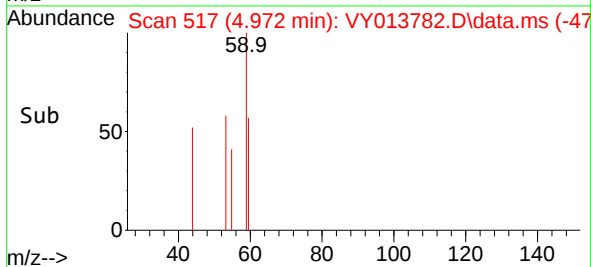
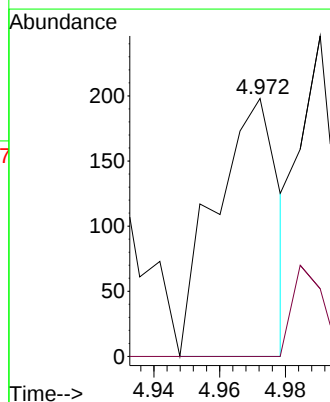
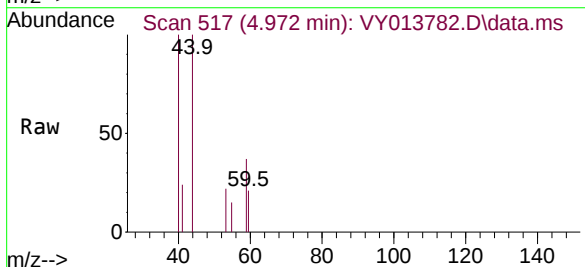
Instrument :
MSVOA_Y
ClientSampleId :
WG-0516-B5-18-20

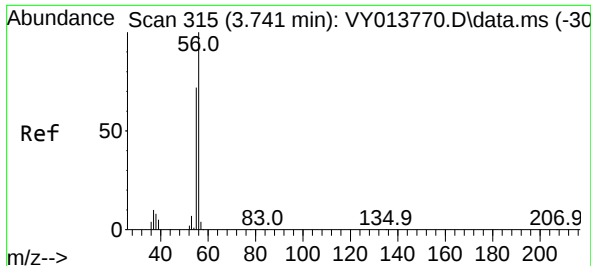
Tgt Ion:168 Resp: 166898
Ion Ratio Lower Upper
168 100
99 53.7 44.0 66.0



#11
Tert butyl alcohol
Concen: 1.681 ug/l
RT: 4.972 min Scan# 517
Delta R.T. -0.018 min
Lab File: VY013782.D
Acq: 17 May 2023 17:37

Tgt Ion: 59 Resp: 264
Ion Ratio Lower Upper
59 100
57 17.0 8.0 12.0#

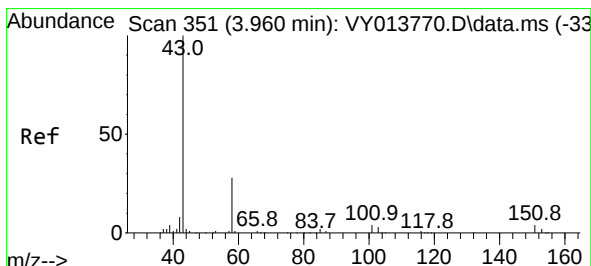
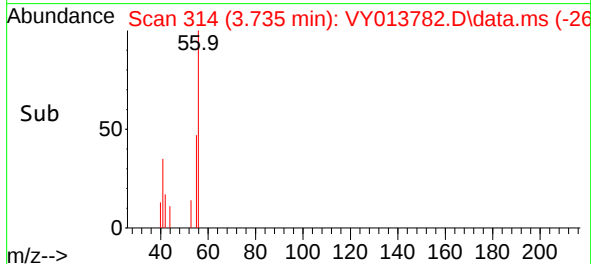
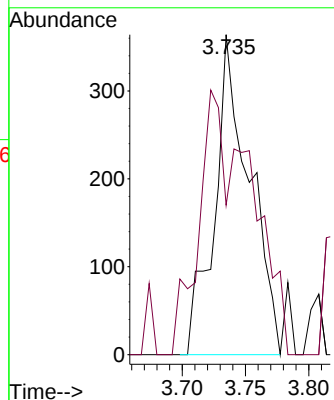
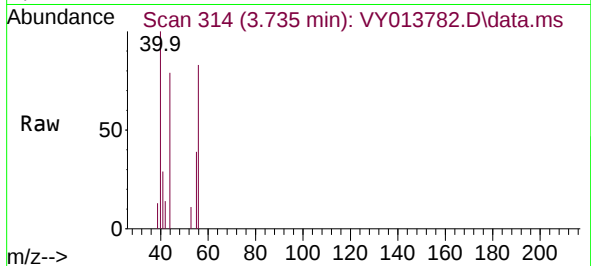




#13
Acrolein
Concen: 2.495 ug/l
RT: 3.735 min Scan# 315
Delta R.T. -0.006 min
Lab File: VY013782.D
Acq: 17 May 2023 17:37

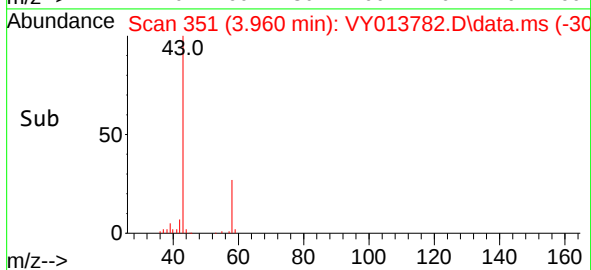
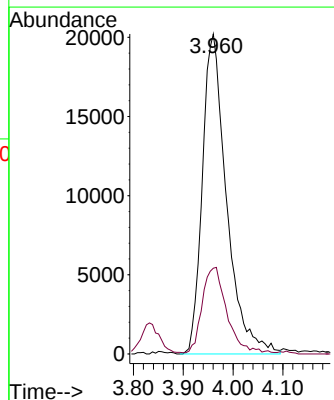
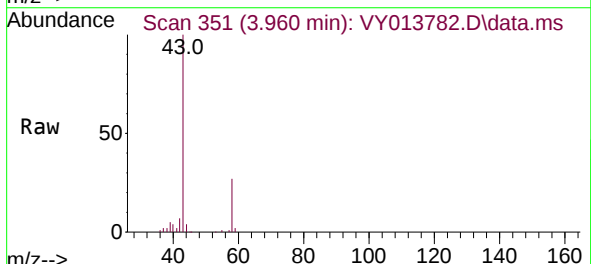
Instrument :
MSVOA_Y
ClientSampleId :
WG-0516-B5-18-20

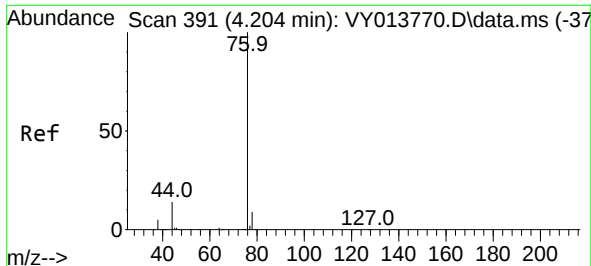
Tgt Ion: 56 Resp: 700
Ion Ratio Lower Upper
56 100
55 62.3 57.5 86.3



#16
Acetone
Concen: 116.468 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.000 min
Lab File: VY013782.D
Acq: 17 May 2023 17:37

Tgt Ion: 43 Resp: 68127
Ion Ratio Lower Upper
43 100
58 26.3 23.7 35.5

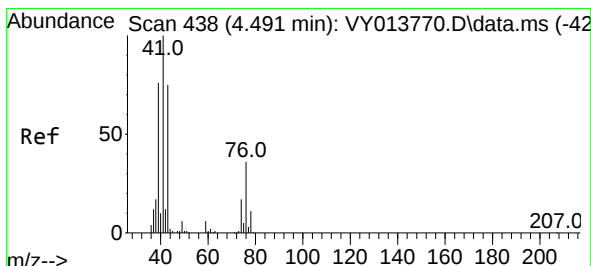
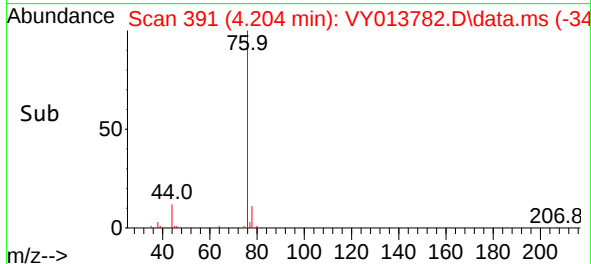
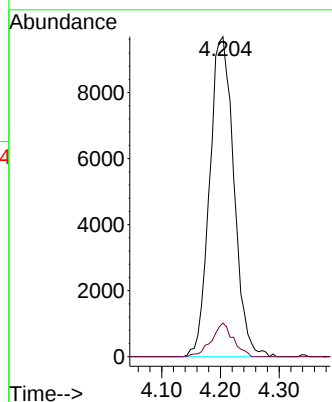
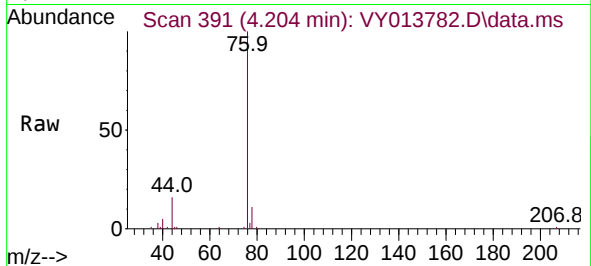




#17
Carbon Disulfide
Concen: 6.902 ug/l
RT: 4.204 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY013782.D
Acq: 17 May 2023 17:37

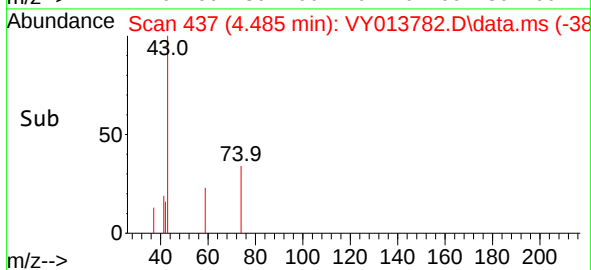
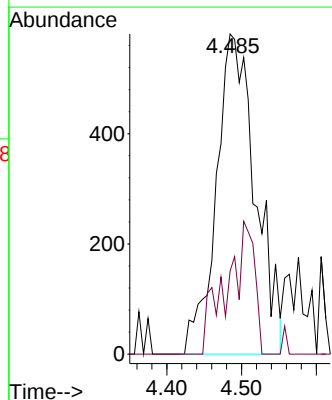
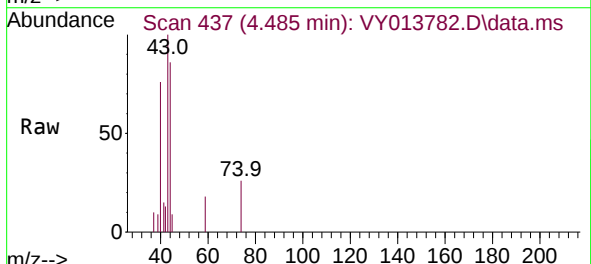
Instrument :
MSVOA_Y
ClientSampleId :
WG-0516-B5-18-20

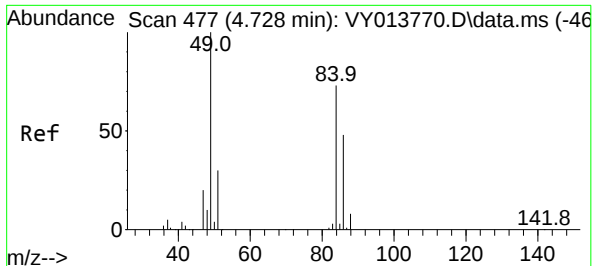
Tgt Ion: 76 Resp: 27776
Ion Ratio Lower Upper
76 100
78 10.5 7.5 11.3



#18
Methyl Acetate
Concen: 1.040 ug/l
RT: 4.485 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY013782.D
Acq: 17 May 2023 17:37

Tgt Ion: 43 Resp: 2121
Ion Ratio Lower Upper
43 100
74 20.7 16.6 25.0

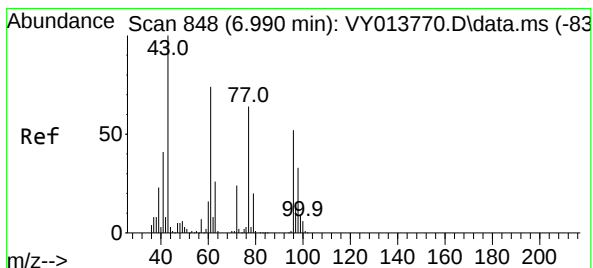
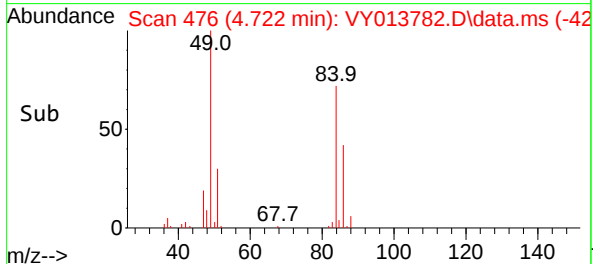
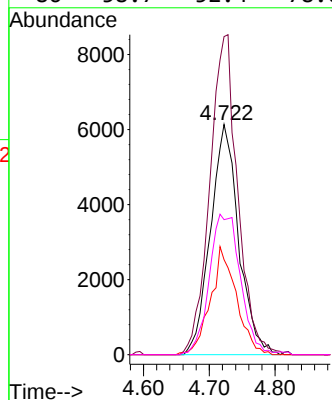
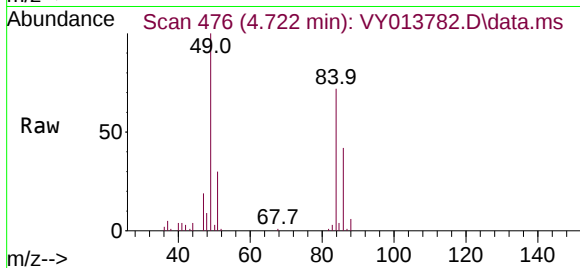




#20
Methylene Chloride
Concen: 4.845 ug/l
RT: 4.722 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY013782.D
Acq: 17 May 2023 17:37

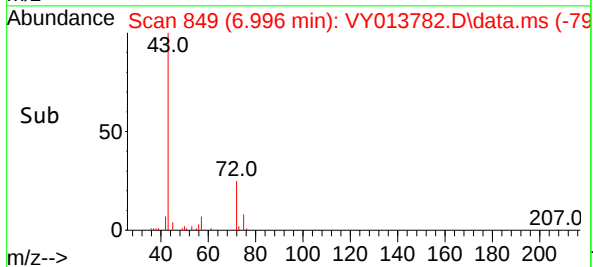
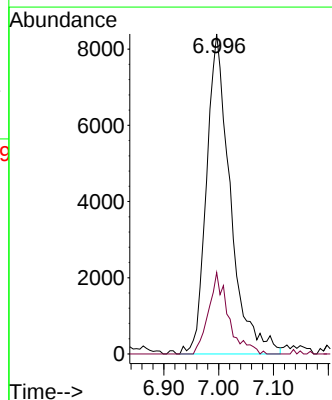
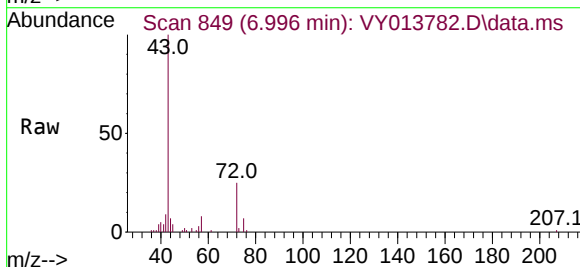
Instrument :
MSVOA_Y
ClientSampleId :
WG-0516-B5-18-20

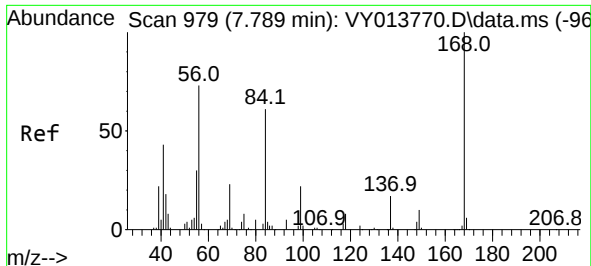
Tgt Ion:	84	Resp:	18317
Ion	Ratio	Lower	Upper
84	100		
49	138.2	109.4	164.0
51	41.3	32.8	49.2
86	58.7	52.4	78.6



#25
2-Butanone
Concen: 33.271 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY013782.D
Acq: 17 May 2023 17:37

Tgt Ion:	43	Resp:	25299
Ion	Ratio	Lower	Upper
43	100		
72	25.4	19.0	28.6

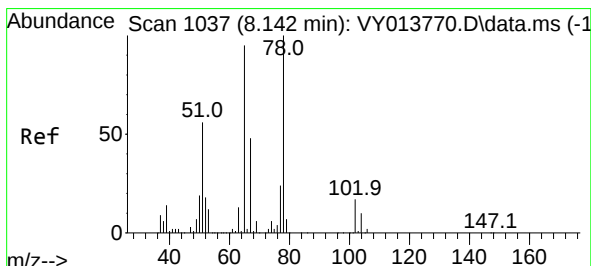
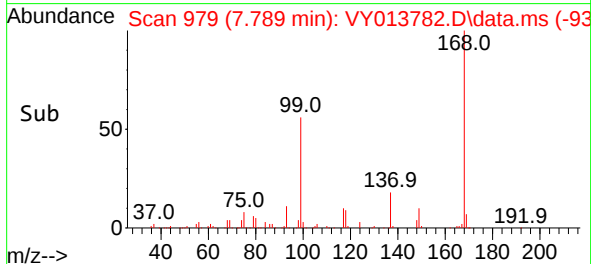
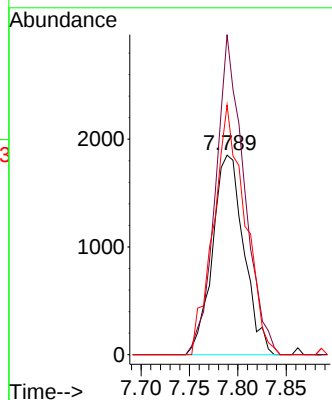
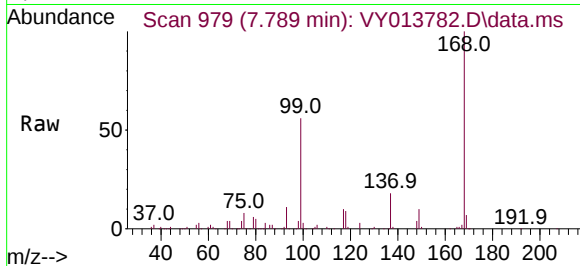




#31
Cyclohexane
Concen: 1.501 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013782.D
Acq: 17 May 2023 17:37

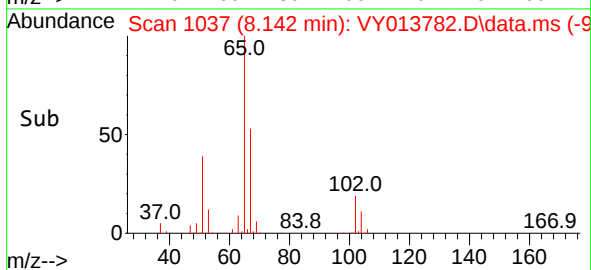
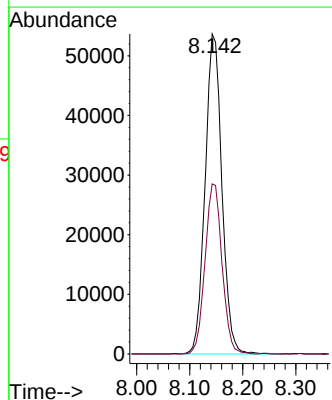
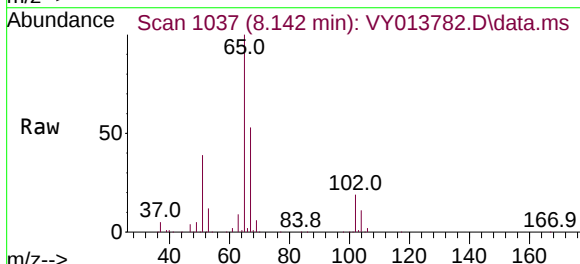
Instrument :
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ClientSampleId :
WG-0516-B5-18-20

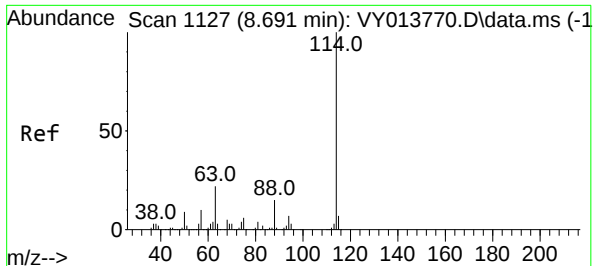
Tgt Ion: 56 Resp: 4172
Ion Ratio Lower Upper
56 100
69 160.4 25.8 38.6#
84 125.2 65.8 98.6#



#33
1,2-Dichloroethane-d4
Concen: 60.842 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY013782.D
Acq: 17 May 2023 17:37

Tgt Ion: 65 Resp: 117961
Ion Ratio Lower Upper
65 100
67 53.8 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: VY013782.D

Acq: 17 May 2023 17:37

Instrument :

MSVOA_Y

ClientSampleId :

WG-0516-B5-18-20

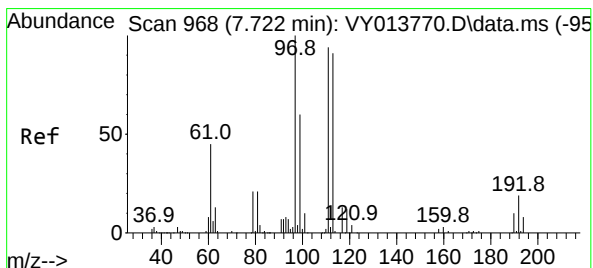
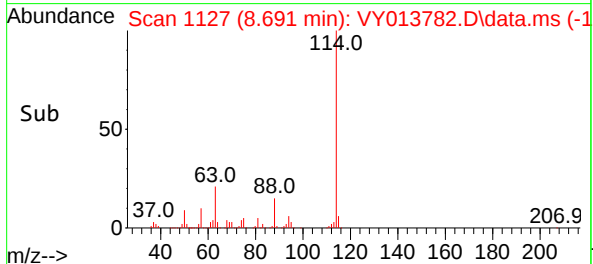
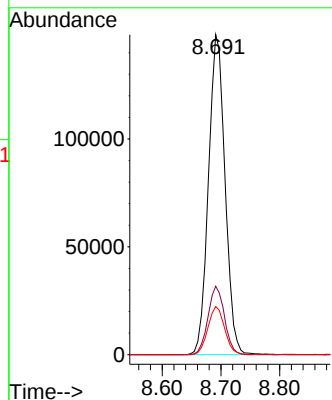
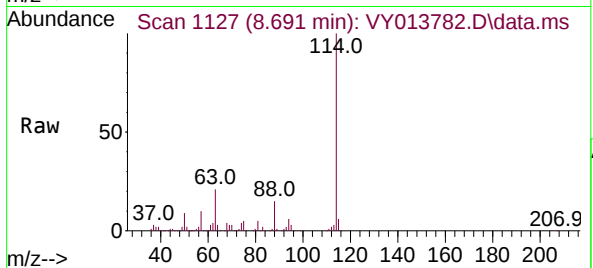
Tgt Ion:114 Resp: 291198

Ion Ratio Lower Upper

114 100

63 21.4 0.0 43.8

88 15.1 0.0 30.8



#35

Dibromofluoromethane

Concen: 52.950 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY013782.D

Acq: 17 May 2023 17:37

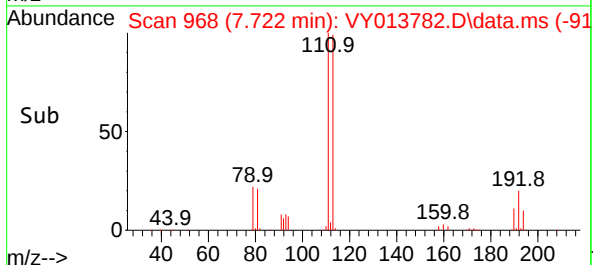
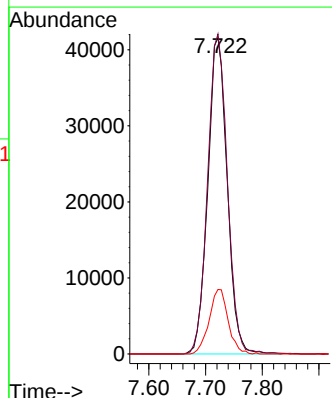
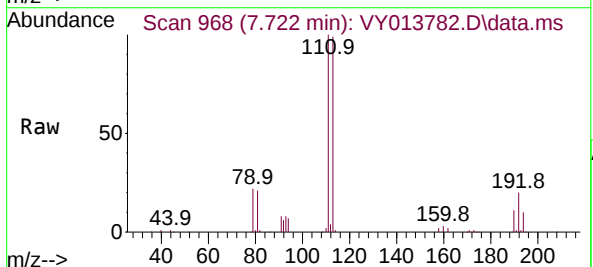
Tgt Ion:113 Resp: 98875

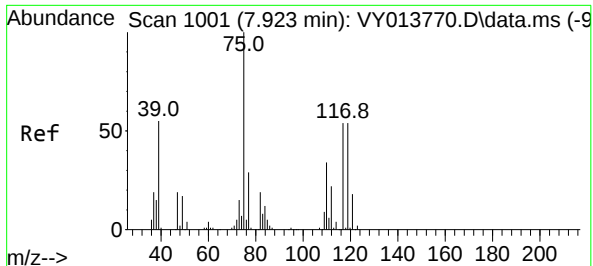
Ion Ratio Lower Upper

113 100

111 102.7 82.3 123.5

192 20.0 16.0 24.0





#36

1,1-Dichloropropene

Concen: 5.148 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY013782.D

Acq: 17 May 2023 17:37

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MSVOA_Y

ClientSampleId :

WG-0516-B5-18-20

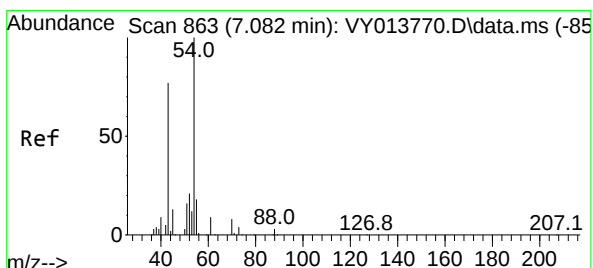
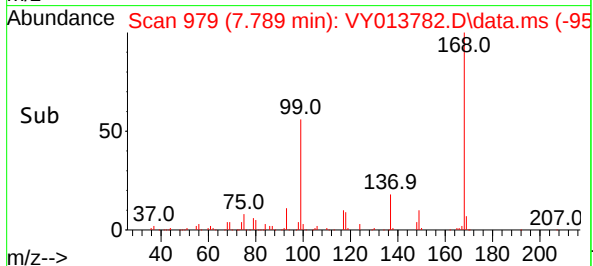
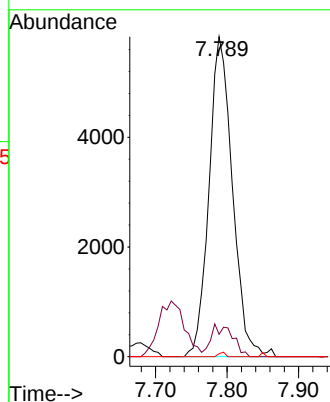
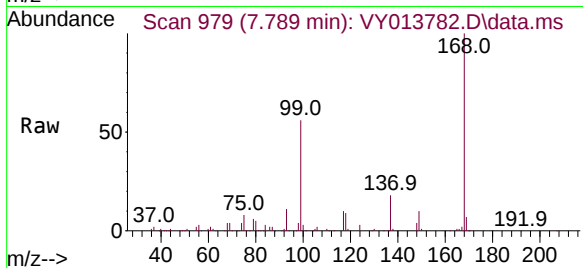
Tgt Ion: 75 Resp: 13282

Ion Ratio Lower Upper

75 100

110 9.2 17.3 51.7#

77 0.4 24.6 36.8#



#37

Ethyl Acetate

Concen: 14.255 ug/l

RT: 6.996 min Scan# 849

Delta R.T. -0.085 min

Lab File: VY013782.D

Acq: 17 May 2023 17:37

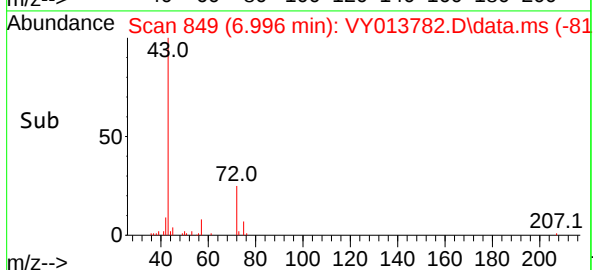
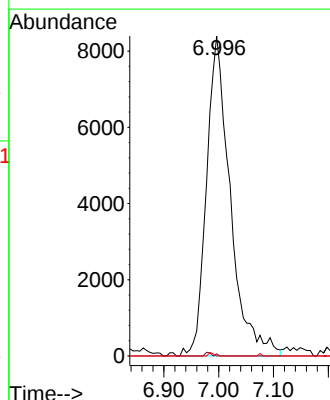
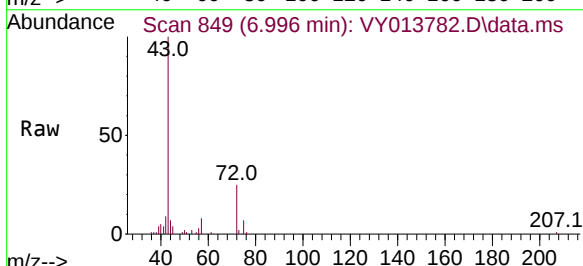
Tgt Ion: 43 Resp: 25299

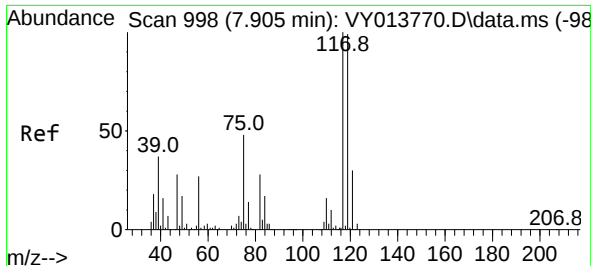
Ion Ratio Lower Upper

43 100

61 0.3 10.7 16.1#

70 0.2 7.0 10.6#

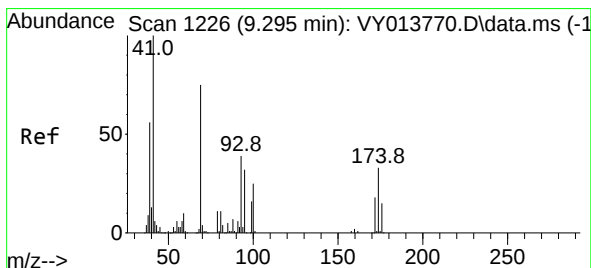
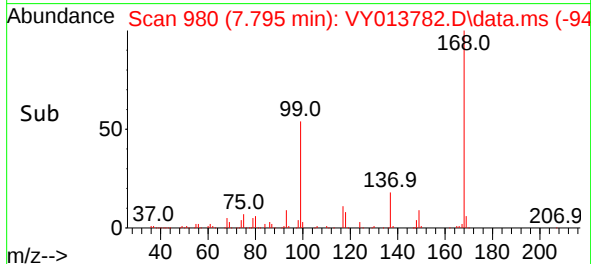
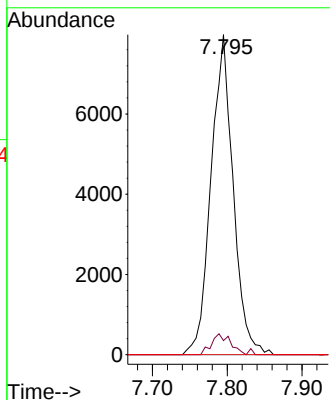
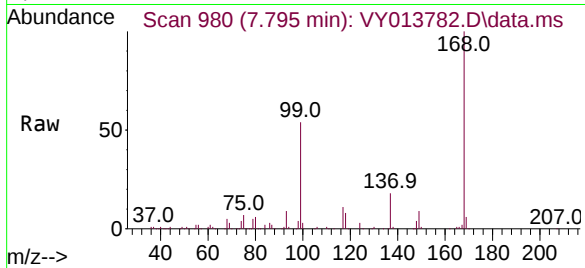




#38
Carbon Tetrachloride
Concen: 6.033 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013782.D
Acq: 17 May 2023 17:37

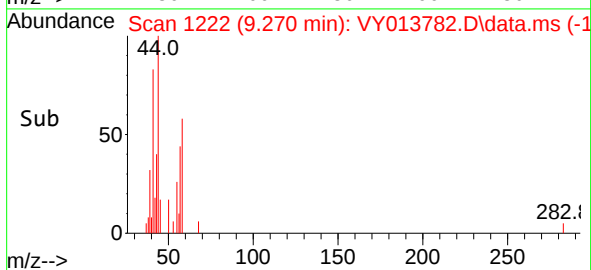
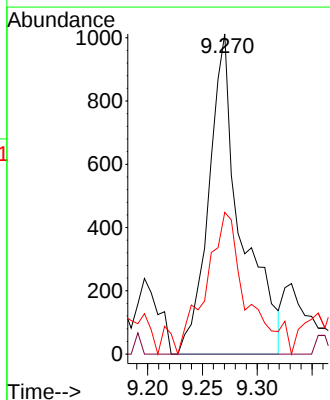
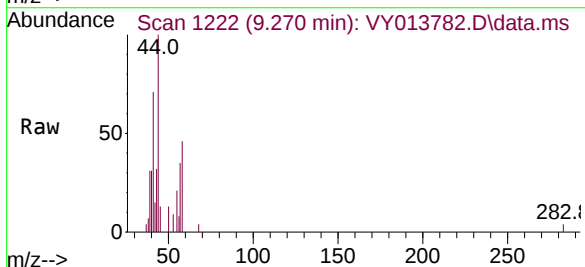
Instrument :
MSVOA_Y
ClientSampleId :
WG-0516-B5-18-20

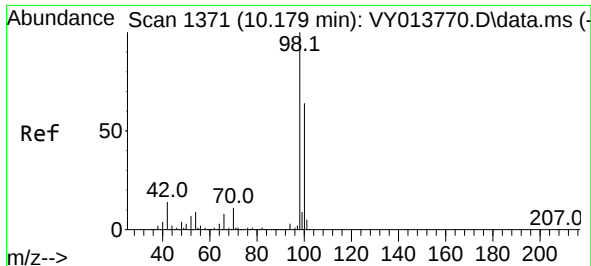
Tgt Ion: 117 Resp: 16422
Ion Ratio Lower Upper
117 100
119 4.4 79.0 118.6#
121 0.0 24.1 36.1#



#48
Methyl methacrylate
Concen: 1.397 ug/l
RT: 9.270 min Scan# 1222
Delta R.T. -0.024 min
Lab File: VY013782.D
Acq: 17 May 2023 17:37

Tgt Ion: 41 Resp: 2067
Ion Ratio Lower Upper
41 100
69 0.0 63.0 94.6#
39 55.2 46.2 69.2

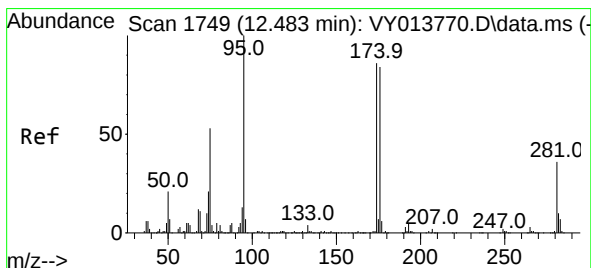
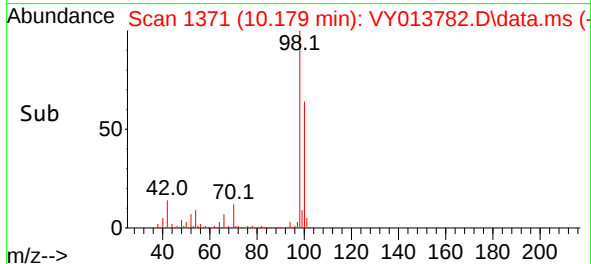
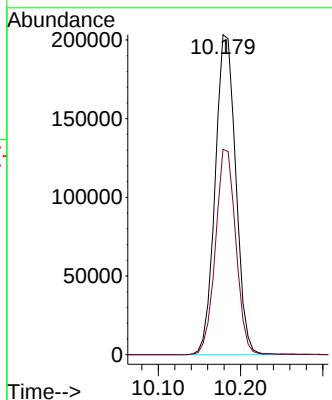
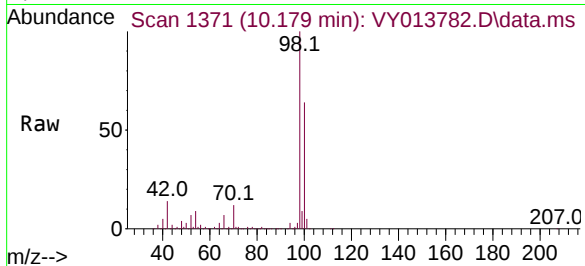




#50
Toluene-d8
Concen: 50.095 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY013782.D
Acq: 17 May 2023 17:37

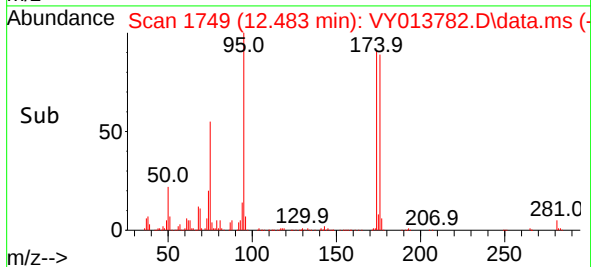
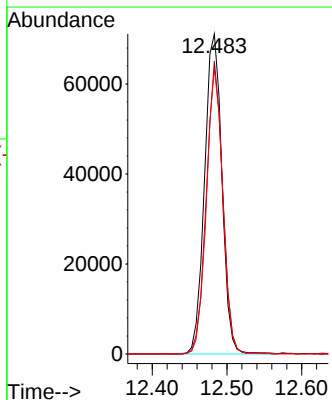
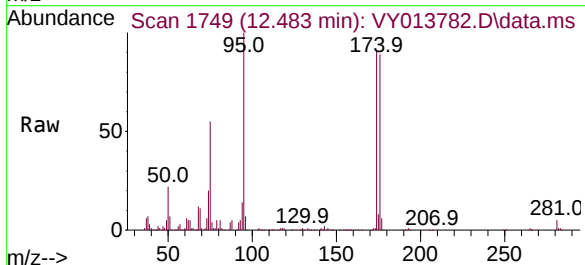
Instrument :
MSVOA_Y
ClientSampleId :
WG-0516-B5-18-20

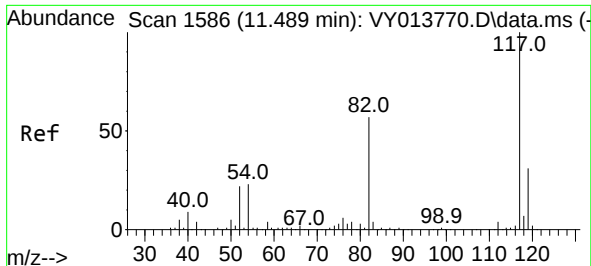
Tgt Ion: 98 Resp: 354640
Ion Ratio Lower Upper
98 100
100 63.5 51.0 76.6



#62
4-Bromofluorobenzene
Concen: 48.789 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY013782.D
Acq: 17 May 2023 17:37

Tgt Ion: 95 Resp: 114723
Ion Ratio Lower Upper
95 100
174 86.7 0.0 168.8
176 84.7 0.0 165.2

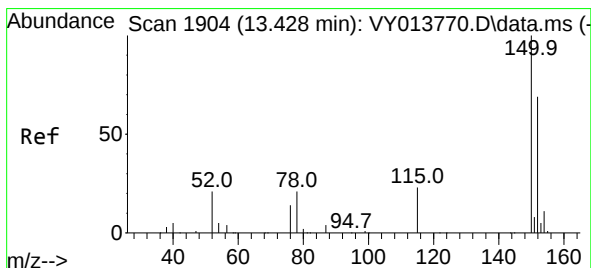
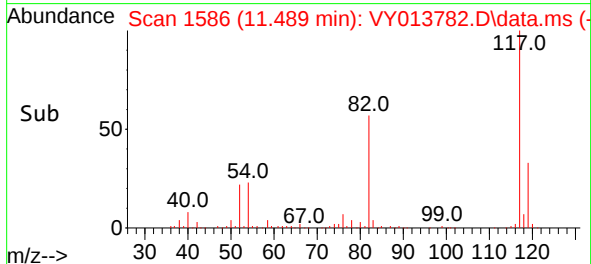
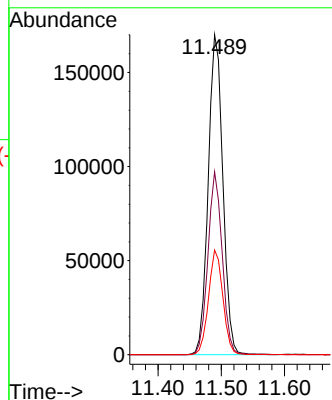
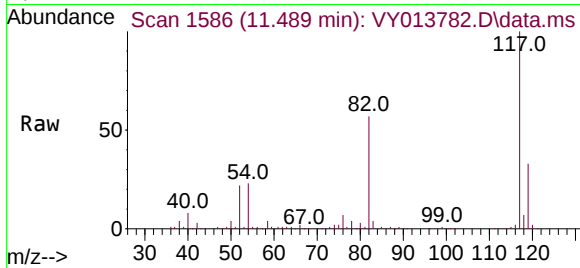




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013782.D
Acq: 17 May 2023 17:37

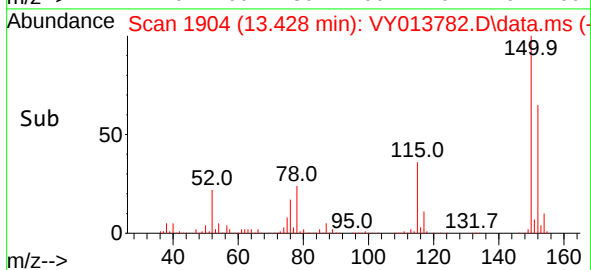
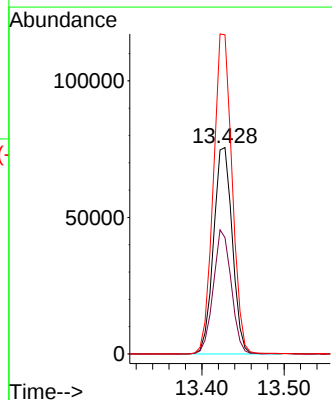
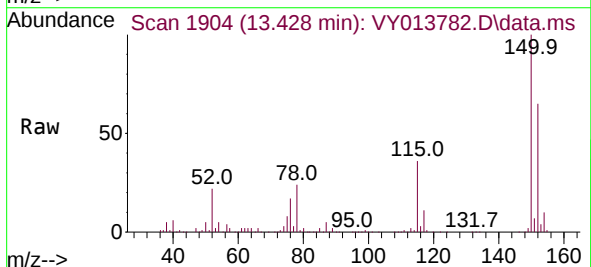
Instrument :
MSVOA_Y
ClientSampleId :
WG-0516-B5-18-20

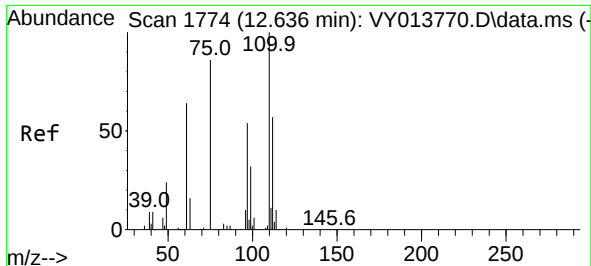
Tgt Ion:117 Resp: 274203
Ion Ratio Lower Upper
117 100
82 57.2 45.5 68.3
119 32.7 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY013782.D
Acq: 17 May 2023 17:37

Tgt Ion:152 Resp: 119825
Ion Ratio Lower Upper
152 100
115 57.7 28.5 85.5
150 154.8 0.0 347.0

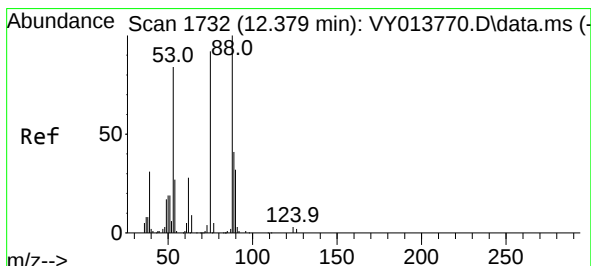
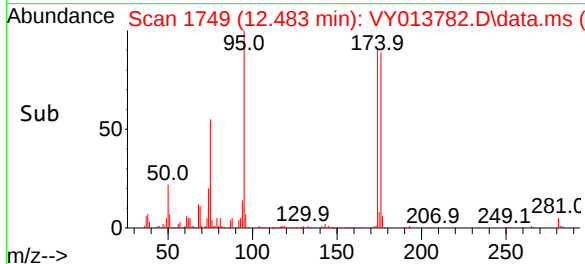
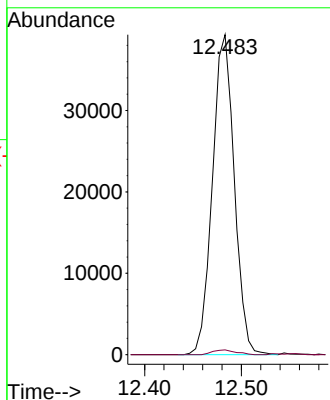
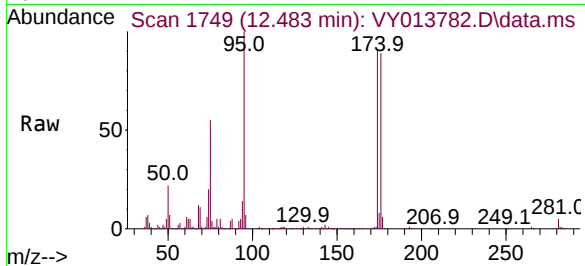




#76
1,2,3-Trichloropropane
Concen: 42.469 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY013782.D
Acq: 17 May 2023 17:37

Instrument :
MSVOA_Y
ClientSampleId :
WG-0516-B5-18-20

Tgt Ion: 75 Resp: 61588
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.551 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY013782.D
Acq: 17 May 2023 17:37

Tgt Ion: 75 Resp: 61588
Ion Ratio Lower Upper
75 100
53 0.1 75.3 112.9#
89 0.1 35.4 53.2#

