

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
 Data File : VY015190.D
 Acq On : 18 Aug 2023 13:02
 Operator : SY/MD
 Sample : 04086-01
 Misc : 5.01g/5.2mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 18 23:07:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

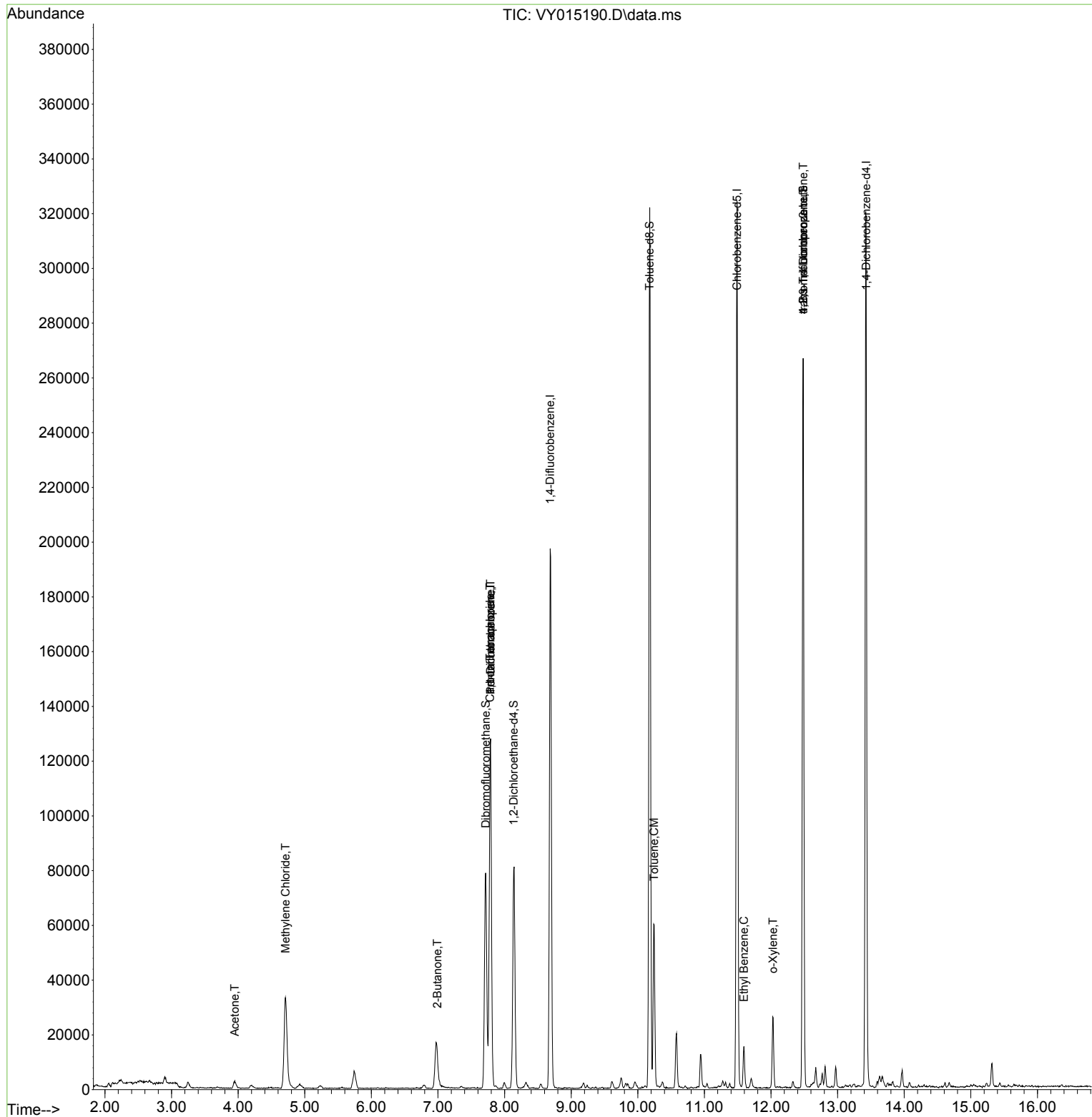
Internal Standards						
1) Pentafluorobenzene	7.789	168	99005	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	172800	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	172151	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	82410	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	63921	53.785	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.560%	
35) Dibromofluoromethane	7.715	113	55114	49.577	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.160%	
50) Toluene-d8	10.178	98	210600	50.890	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.780%	
62) 4-Bromofluorobenzene	12.483	95	77609	51.345	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.700%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.905	85	34	Below Cal	#	43
3) Chloromethane	2.113	50	278	Below Cal	#	43
5) Bromomethane	2.668	94	247	Below Cal		99
11) Tert butyl alcohol	4.905	59	689	Below Cal	#	89
16) Acetone	3.948	43	4503	11.598	ug/l	95
20) Methylene Chloride	4.710	84	24995	24.661	ug/l #	88
25) 2-Butanone	6.990	43	1599	2.909	ug/l	92
31) Cyclohexane	7.789	56	2620	Below Cal	#	16
36) 1,1-Dichloropropene	7.789	75	7942	6.458	ug/l #	49
38) Carbon Tetrachloride	7.782	117	9722	6.679	ug/l #	17
52) Toluene	10.245	92	25358	10.347	ug/l	94
67) Ethyl Benzene	11.593	91	10167	1.850	ug/l	100
69) o-Xylene	12.032	106	6840	3.290	ug/l	100
76) 1,2,3-Trichloropropane	12.483	75	41604	41.553	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	41604	91.271	ug/l #	11

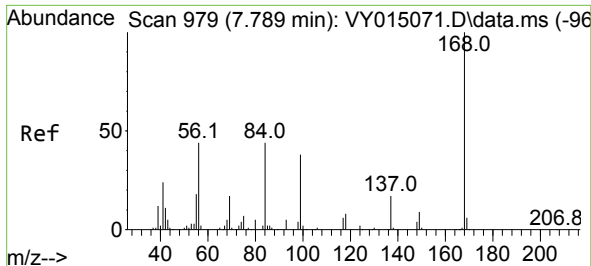
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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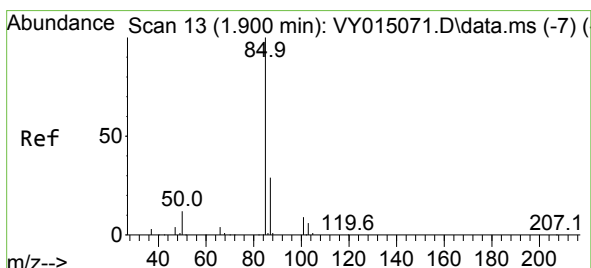
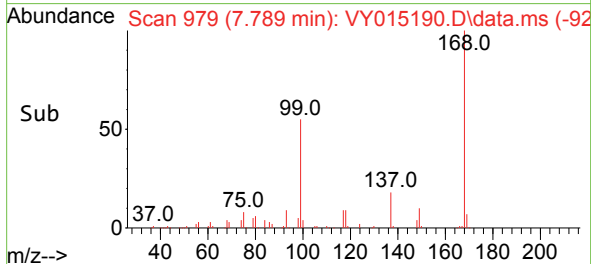
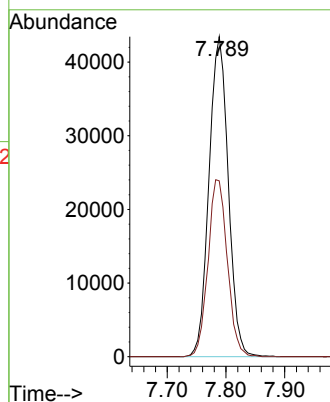
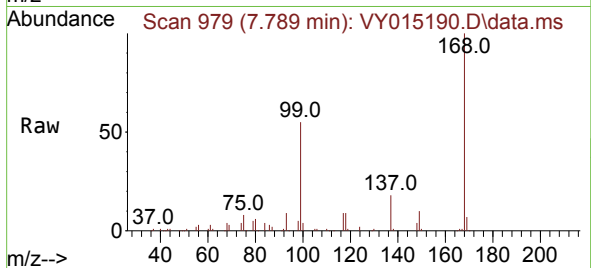




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015190.D
Acq: 18 Aug 2023 13:02

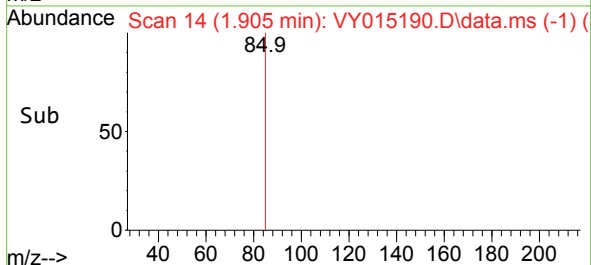
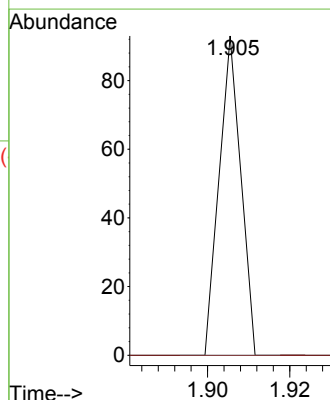
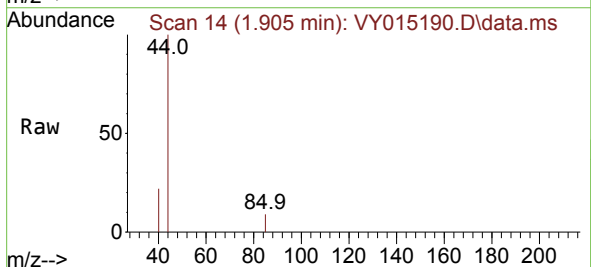
Instrument :
MSVOA_Y
ClientSampleId :

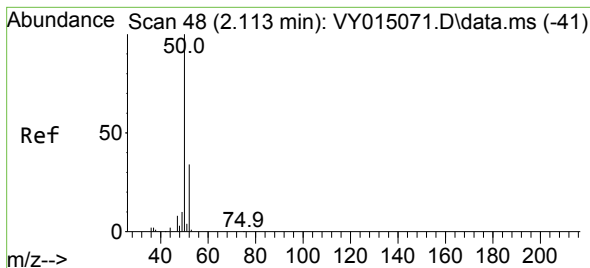
Tgt Ion:168 Resp: 99005
Ion Ratio Lower Upper
168 100
99 55.0 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.905 min Scan# 14
Delta R.T. 0.005 min
Lab File: VY015190.D
Acq: 18 Aug 2023 13:02

Tgt Ion: 85 Resp: 34
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#





#3

Chloromethane

Concen: Below Cal

RT: 2.113 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY015190.D

Acq: 18 Aug 2023 13:02

Instrument :

MSVOA_Y

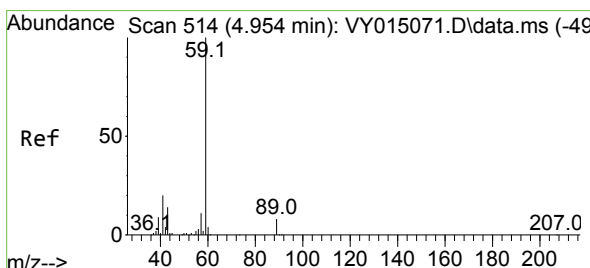
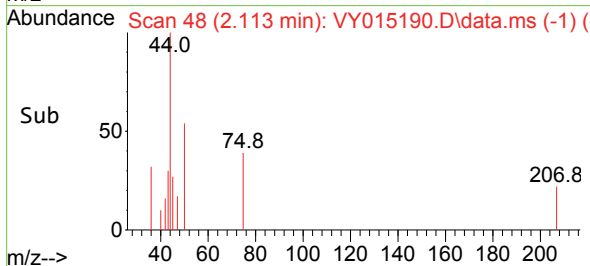
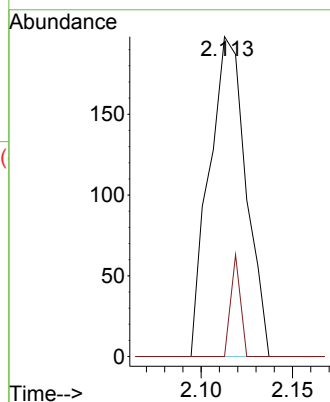
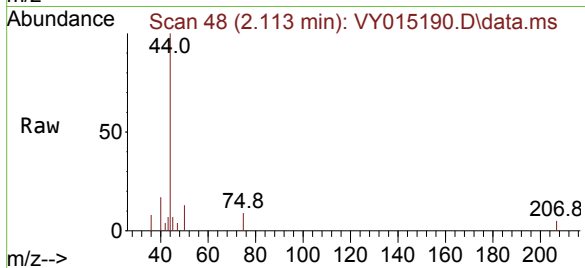
ClientSampleId :

Tgt Ion: 50 Resp: 278

Ion Ratio Lower Upper

50 100

52 0.0 25.4 38.2#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.905 min Scan# 506

Delta R.T. -0.043 min

Lab File: VY015190.D

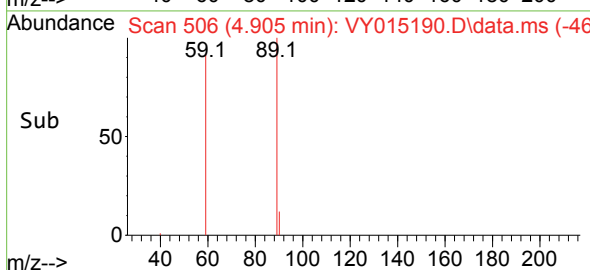
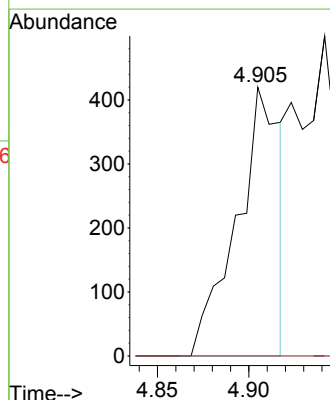
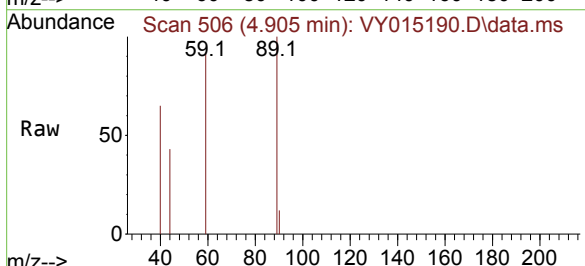
Acq: 18 Aug 2023 13:02

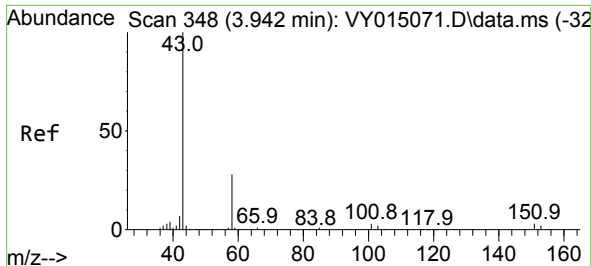
Tgt Ion: 59 Resp: 689

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#

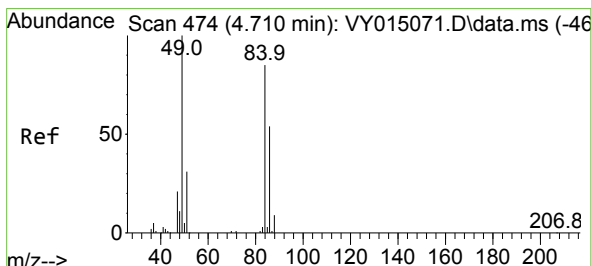
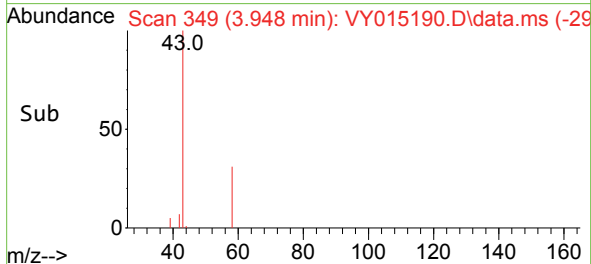
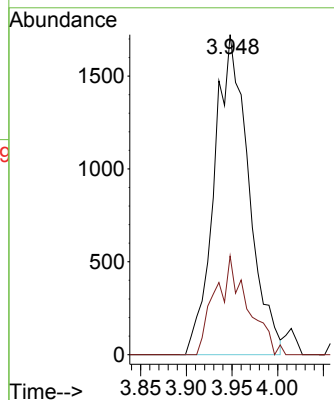
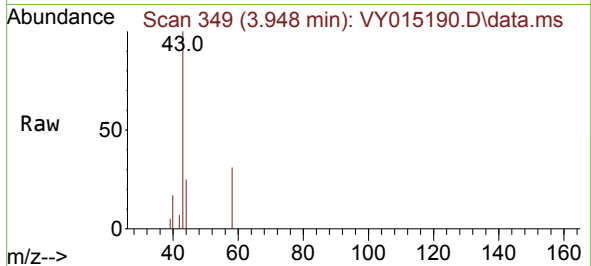




#16
Acetone
Concen: 11.598 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY015190.D
Acq: 18 Aug 2023 13:02

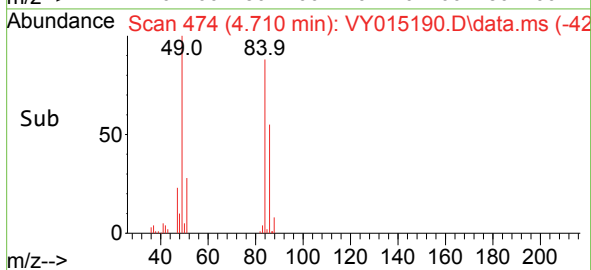
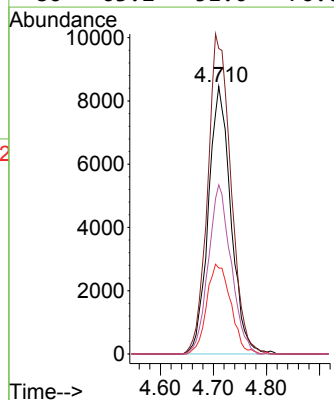
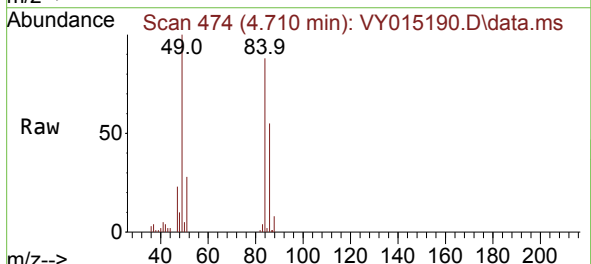
Instrument :
MSVOA_Y
ClientSampleId :

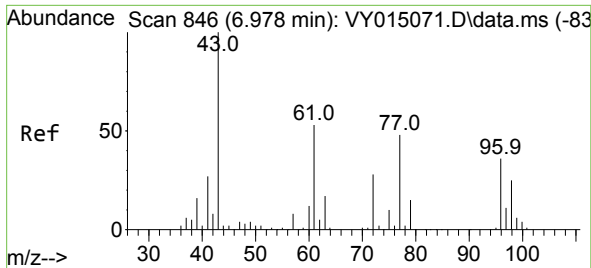
Tgt Ion: 43 Resp: 4503
Ion Ratio Lower Upper
43 100
58 30.8 22.7 34.1



#20
Methylene Chloride
Concen: 24.661 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.000 min
Lab File: VY015190.D
Acq: 18 Aug 2023 13:02

Tgt Ion: 84 Resp: 24995
Ion Ratio Lower Upper
84 100
49 114.2 106.9 160.3
51 32.1 33.2 49.8#
86 63.2 51.0 76.6

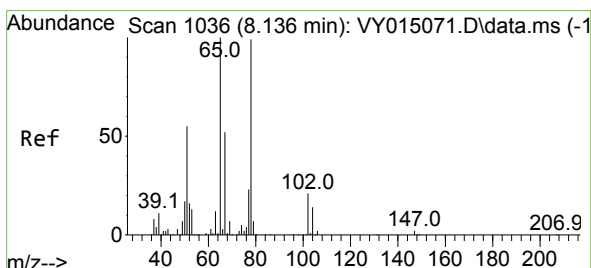
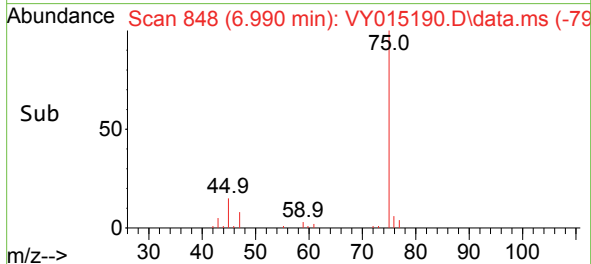
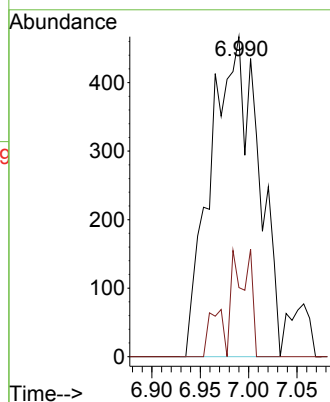
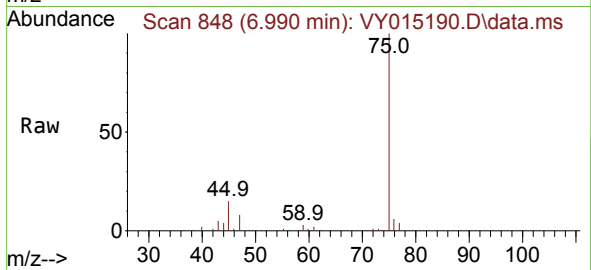




#25
2-Butanone
Concen: 2.909 ug/l
RT: 6.990 min Scan# 846
Delta R.T. 0.012 min
Lab File: VY015190.D
Acq: 18 Aug 2023 13:02

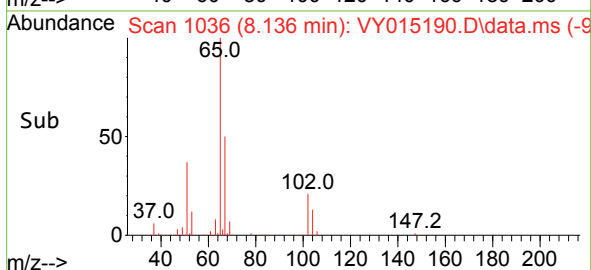
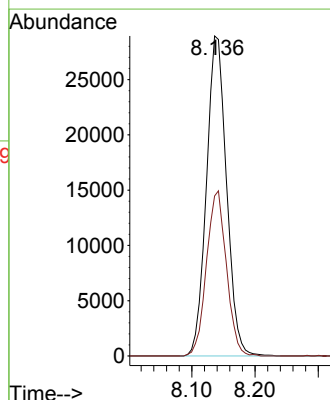
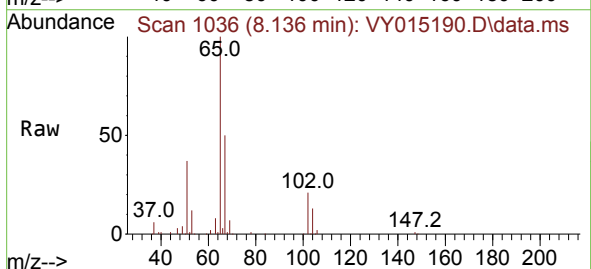
Instrument :
MSVOA_Y
ClientSampleId :

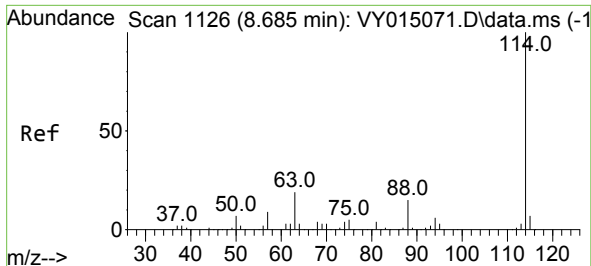
Tgt Ion: 43 Resp: 1599
Ion Ratio Lower Upper
43 100
72 21.6 20.5 30.7



#33
1,2-Dichloroethane-d4
Concen: 53.785 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY015190.D
Acq: 18 Aug 2023 13:02

Tgt Ion: 65 Resp: 63921
Ion Ratio Lower Upper
65 100
67 51.2 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY015190.D

Acq: 18 Aug 2023 13:02

Instrument :

MSVOA_Y

ClientSampleId :

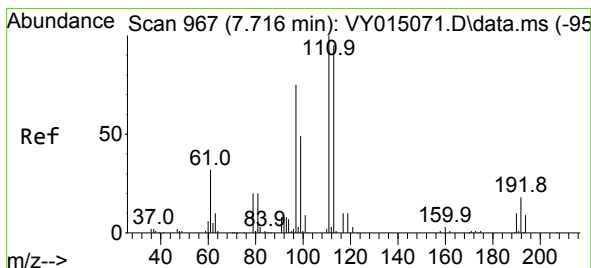
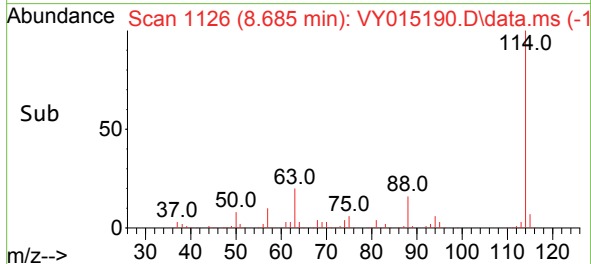
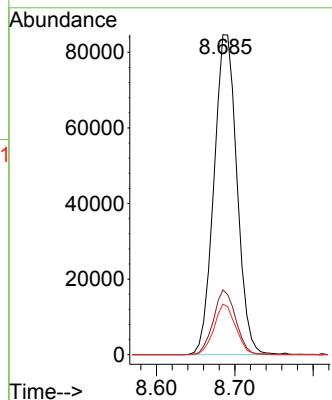
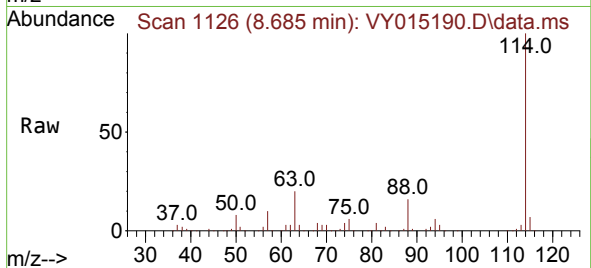
Tgt Ion:114 Resp: 172800

Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.4

88 15.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.577 ug/l

RT: 7.715 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY015190.D

Acq: 18 Aug 2023 13:02

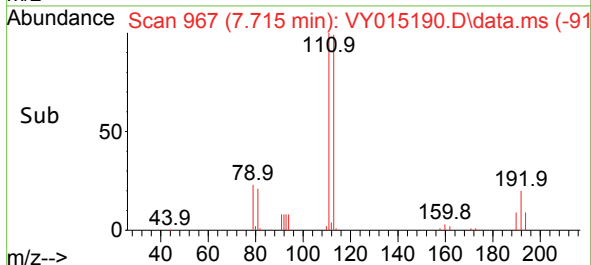
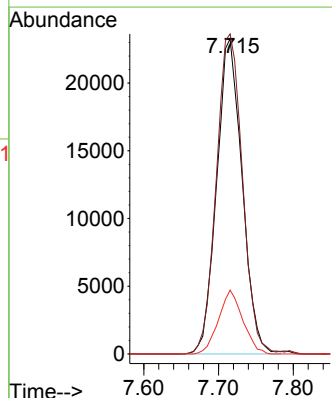
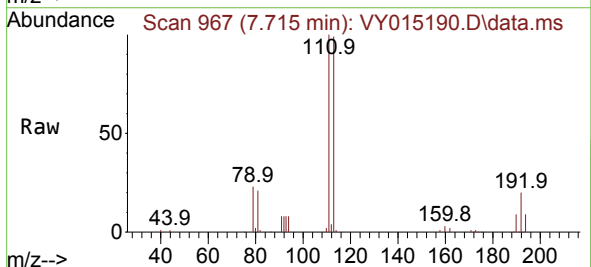
Tgt Ion:113 Resp: 55114

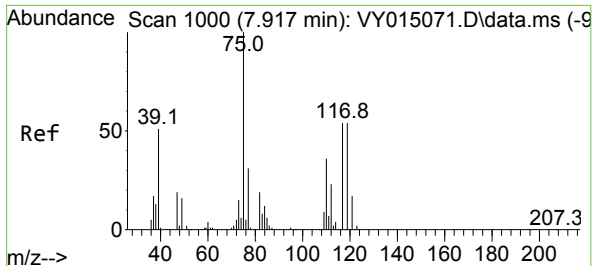
Ion Ratio Lower Upper

113 100

111 104.4 81.3 121.9

192 19.3 16.9 25.3





#36

1,1-Dichloropropene

Concen: 6.458 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.122 min

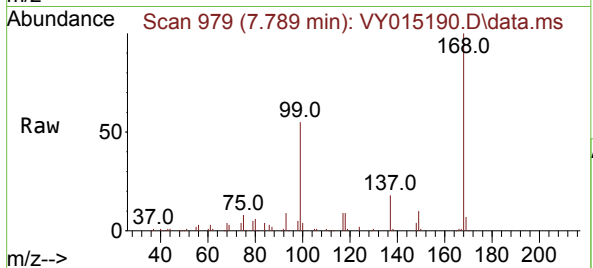
Lab File: VY015190.D

Acq: 18 Aug 2023 13:02

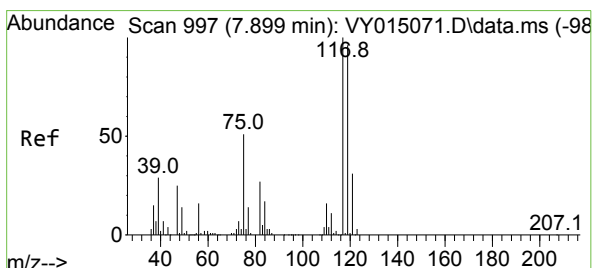
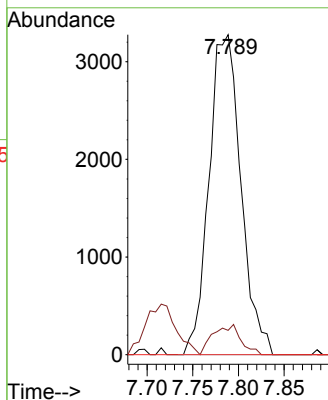
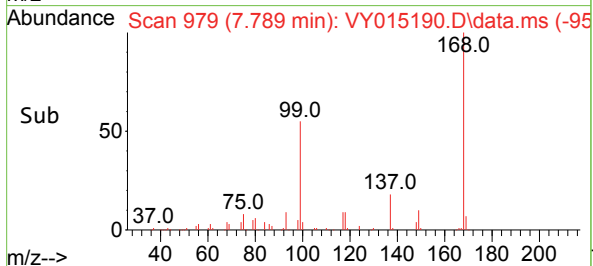
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 7942
Ion Ratio	Lower Upper
75	100
110	8.2 17.8 53.5#
77	0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.679 ug/l

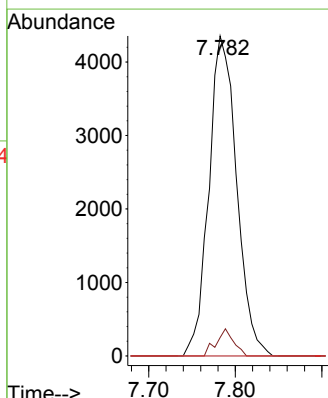
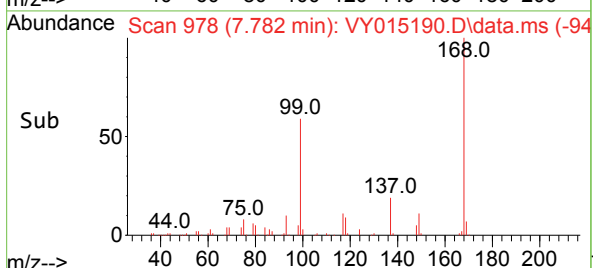
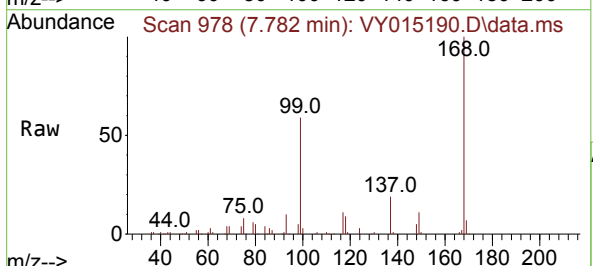
RT: 7.782 min Scan# 978

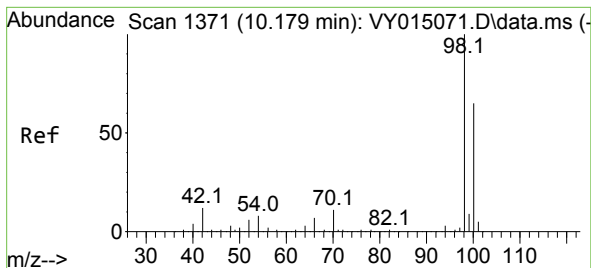
Delta R.T. -0.116 min

Lab File: VY015190.D

Acq: 18 Aug 2023 13:02

Tgt Ion: 117	Resp: 9722
Ion Ratio	Lower Upper
117	100
119	5.8 76.4 114.6#
121	0.0 25.8 38.6#

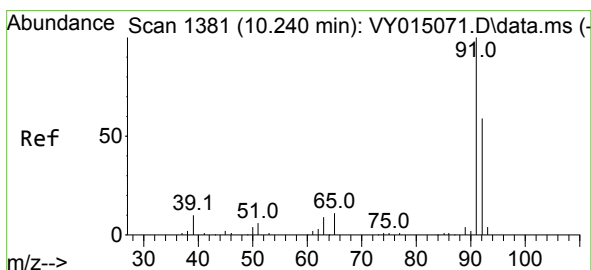
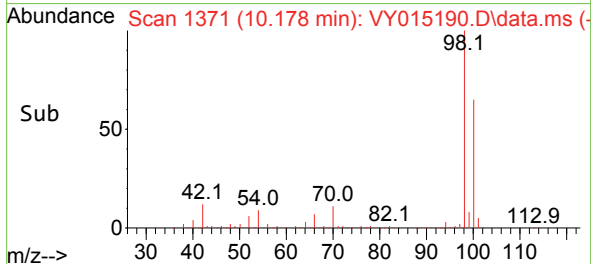
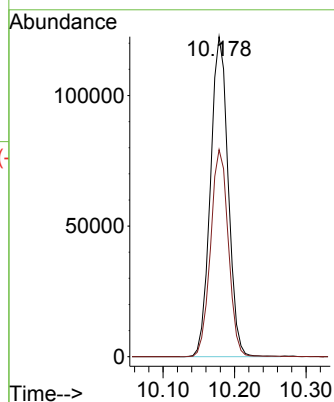
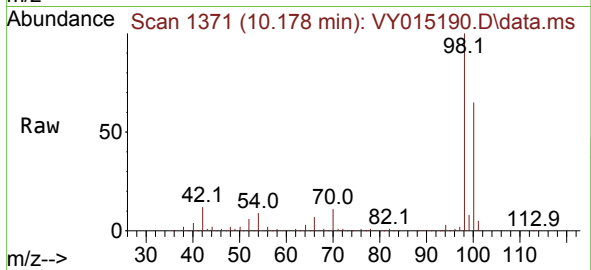




#50
Toluene-d8
Concen: 50.890 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015190.D
Acq: 18 Aug 2023 13:02

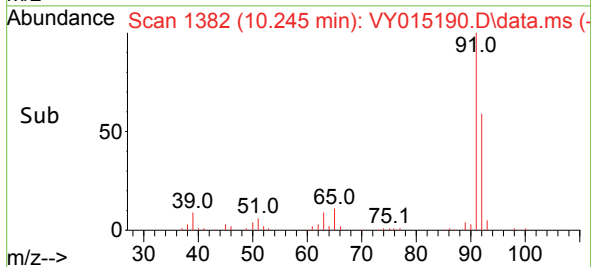
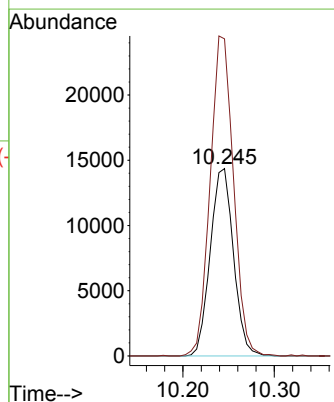
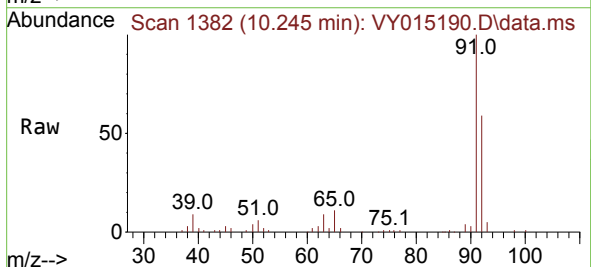
Instrument :
MSVOA_Y
ClientSampleId :

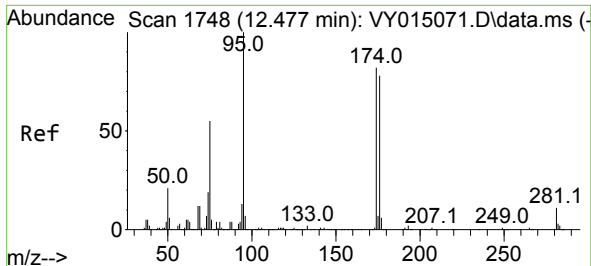
Tgt Ion: 98 Resp: 210600
Ion Ratio Lower Upper
98 100
100 64.7 50.1 75.1



#52
Toluene
Concen: 10.347 ug/l
RT: 10.245 min Scan# 1382
Delta R.T. 0.006 min
Lab File: VY015190.D
Acq: 18 Aug 2023 13:02

Tgt Ion: 92 Resp: 25358
Ion Ratio Lower Upper
92 100
91 171.5 143.8 215.6

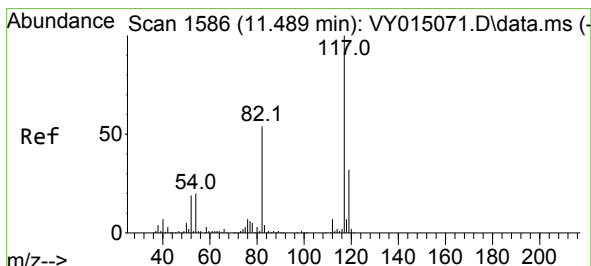
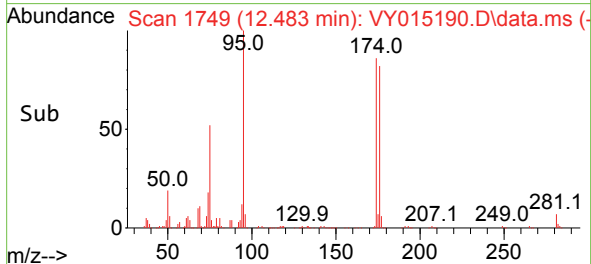
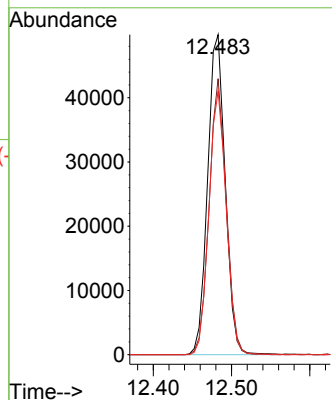
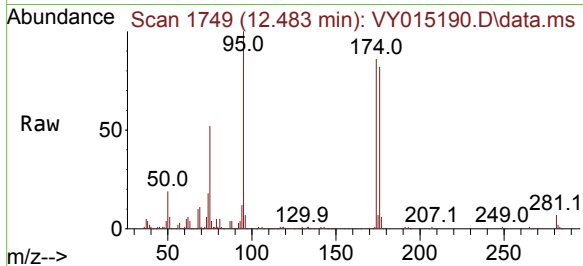




#62
4-Bromofluorobenzene
Concen: 51.345 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015190.D
Acq: 18 Aug 2023 13:02

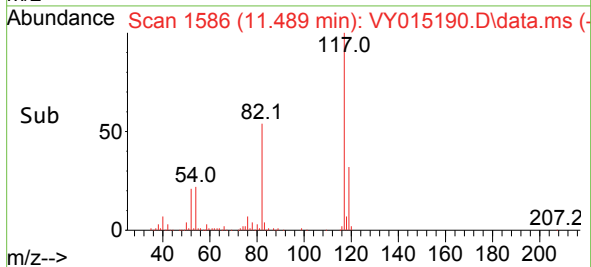
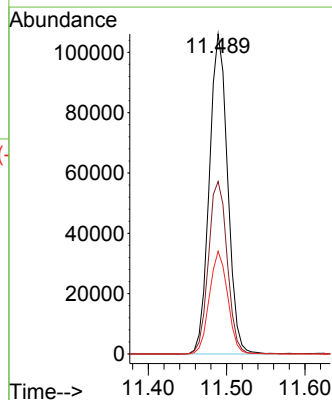
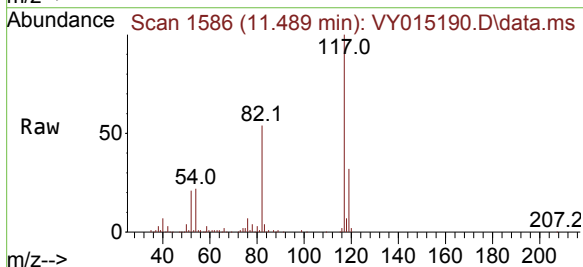
Instrument :
MSVOA_Y
ClientSampleId :

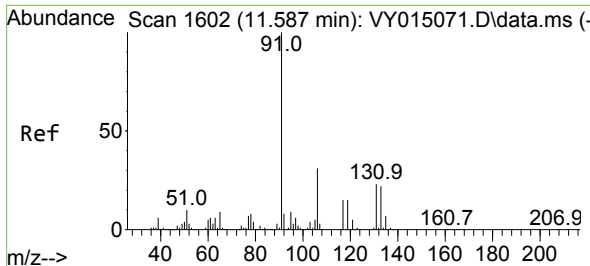
Tgt Ion: 95 Resp: 77609
Ion Ratio Lower Upper
95 100
174 83.7 0.0 178.2
176 81.3 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY015190.D
Acq: 18 Aug 2023 13:02

Tgt Ion: 117 Resp: 172151
Ion Ratio Lower Upper
117 100
82 53.9 43.4 65.0
119 32.1 26.3 39.5

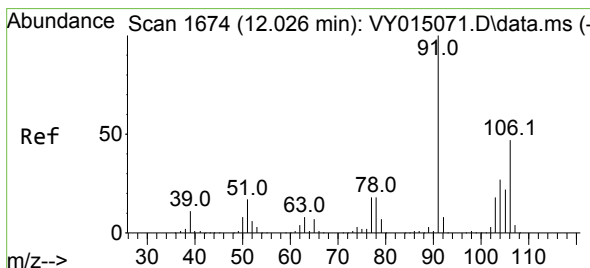
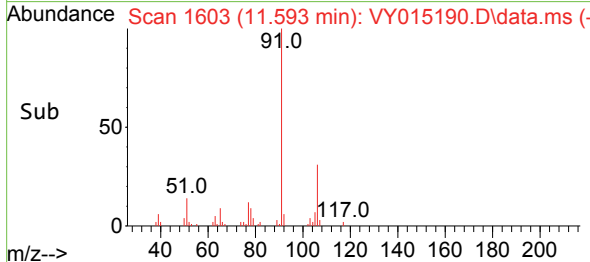
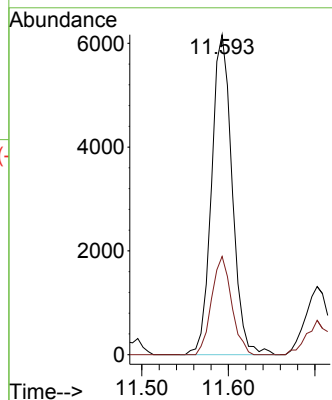
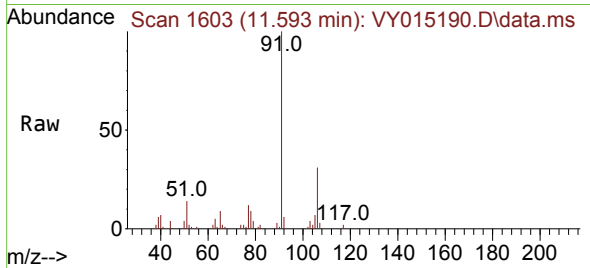




#67
Ethyl Benzene
Concen: 1.850 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.006 min
Lab File: VY015190.D
Acq: 18 Aug 2023 13:02

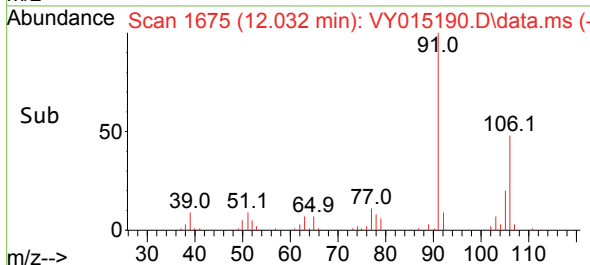
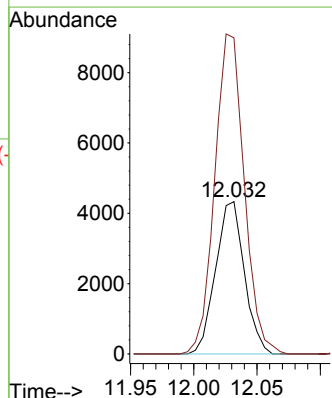
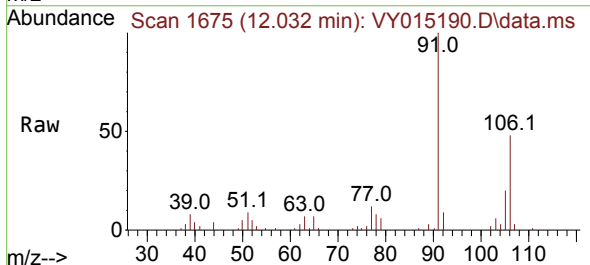
Instrument :
MSVOA_Y
ClientSampleId :

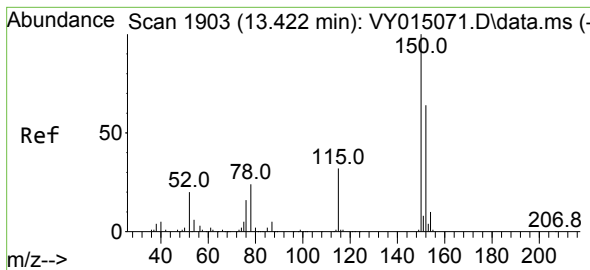
Tgt Ion: 91 Resp: 10167
Ion Ratio Lower Upper
91 100
106 30.7 24.6 36.8



#69
o-Xylene
Concen: 3.290 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.006 min
Lab File: VY015190.D
Acq: 18 Aug 2023 13:02

Tgt Ion:106 Resp: 6840
Ion Ratio Lower Upper
106 100
91 215.6 108.1 324.3

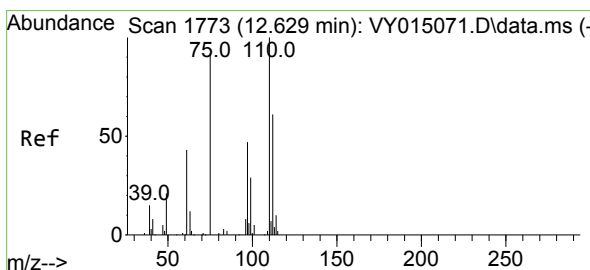
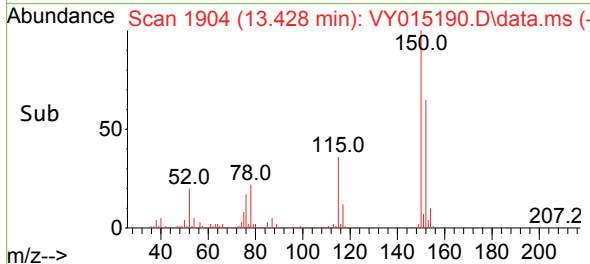
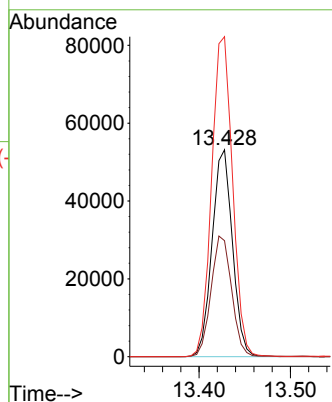
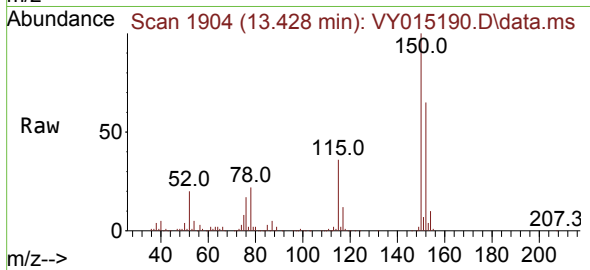




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY015190.D
 Acq: 18 Aug 2023 13:02

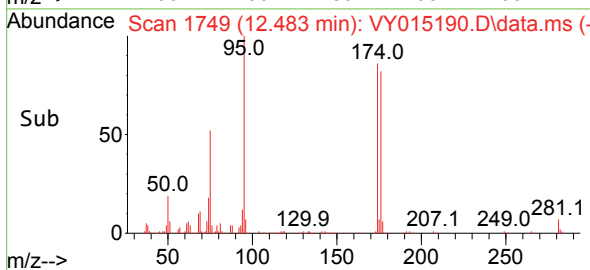
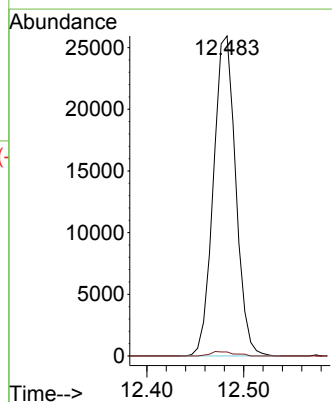
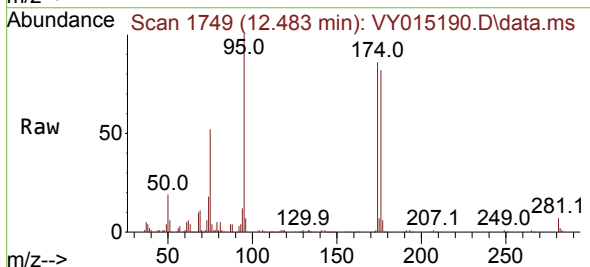
Instrument :
 MSVOA_Y
 ClientSampleId :

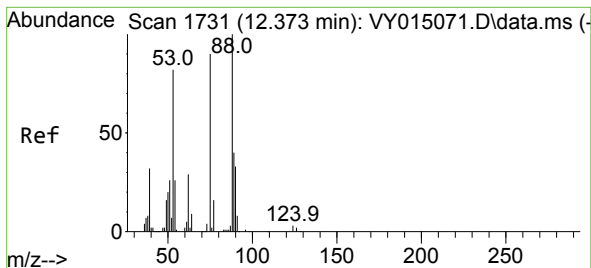
Tgt Ion:152 Resp: 82410
 Ion Ratio Lower Upper
 152 100
 115 58.8 28.8 86.5
 150 158.3 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 41.553 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.147 min
 Lab File: VY015190.D
 Acq: 18 Aug 2023 13:02

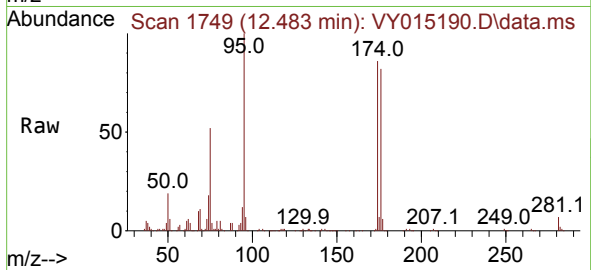
Tgt Ion: 75 Resp: 41604
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.271 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY015190.D
 Acq: 18 Aug 2023 13:02

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	77.8	116.8#
89	0.1	37.4	56.0#

