

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
 Data File : VY015191.D
 Acq On : 18 Aug 2023 13:26
 Operator : SY/MD
 Sample : 04086-02
 Misc : 5.10g/5.2mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 18 23:08:16 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)

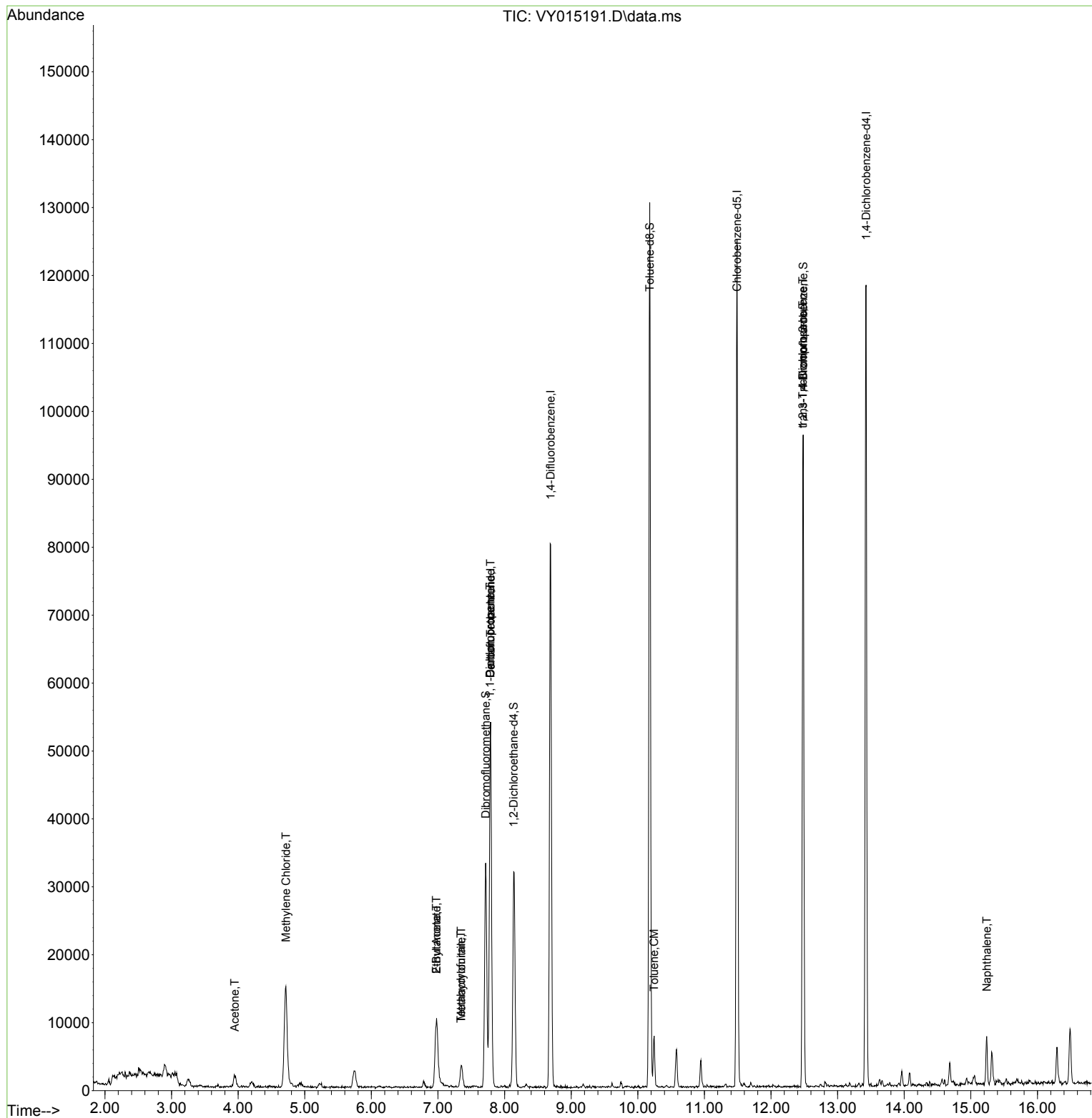
Internal Standards						
1) Pentafluorobenzene	7.789	168	41393	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	70254	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	67654	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	31566	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	25309	50.935	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.880%	
35) Dibromofluoromethane	7.715	113	22523	49.833	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.660%	
50) Toluene-d8	10.178	98	83717	49.758	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.520%	
62) 4-Bromofluorobenzene	12.483	95	28593	46.529	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.060%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	196	Below Cal	#	43
5) Bromomethane	2.655	94	259	Below Cal		96
11) Tert butyl alcohol	4.948	59	438	Below Cal	#	89
16) Acetone	3.948	43	3068	18.900	ug/l	99
20) Methylene Chloride	4.716	84	11075	26.418	ug/l	# 85
25) 2-Butanone	6.978	43	710	3.089	ug/l	# 49
29) Tetrahydrofuran	7.344	42	880	6.403	ug/l	# 35
31) Cyclohexane	7.789	56	1113	Below Cal	#	21
36) 1,1-Dichloropropene	7.782	75	3456	6.912	ug/l	# 49
37) Ethyl Acetate	6.978	43	710	1.523	ug/l	# 21
38) Carbon Tetrachloride	7.789	117	4065	6.869	ug/l	# 16
41) Methacrylonitrile	7.350	41	1526	6.349	ug/l	# 41
52) Toluene	10.245	92	3133	3.144	ug/l	94
76) 1,2,3-Trichloropropane	12.477	75	15218	39.682	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	15218	87.160	ug/l	# 10
95) Naphthalene	15.238	128	5890	4.017	ug/l	98

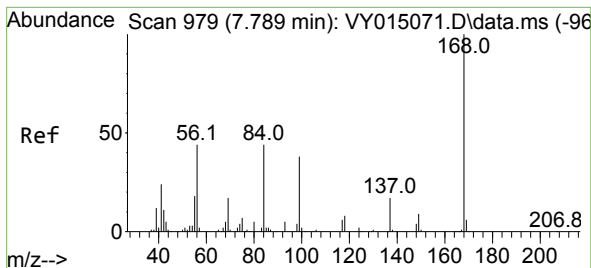
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Aug 14 12:43:26 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.789 min Scan# 91

Delta R.T. 0.006 min

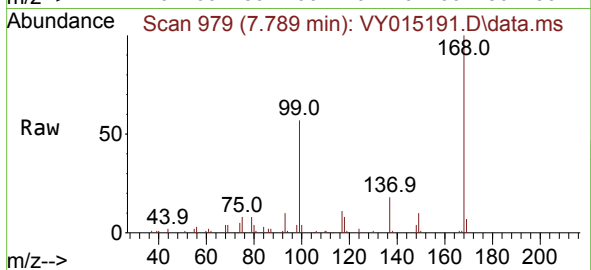
Lab File: VY015191.D

Acq: 18 Aug 2023 13:26

Instrument :

MSVOA_Y

ClientSampleId :

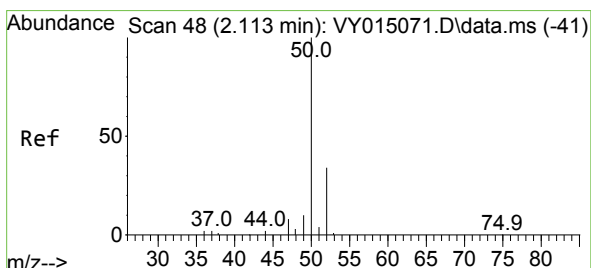
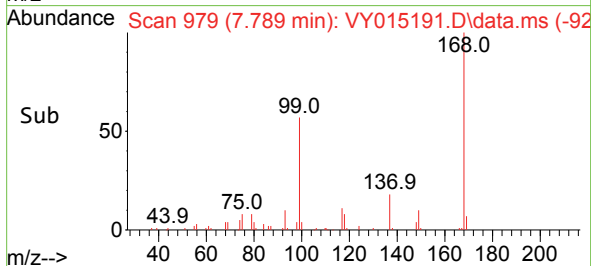
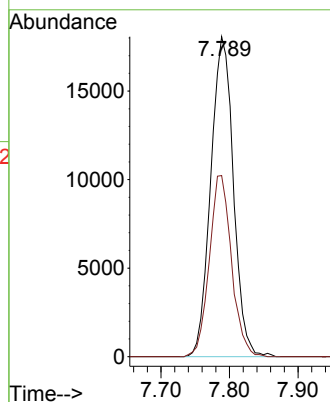


Tgt Ion:168 Resp: 41393

Ion Ratio Lower Upper

168 100

99 56.6 43.4 65.0



#3

Chloromethane

Concen: Below Cal

RT: 2.113 min Scan# 48

Delta R.T. 0.006 min

Lab File: VY015191.D

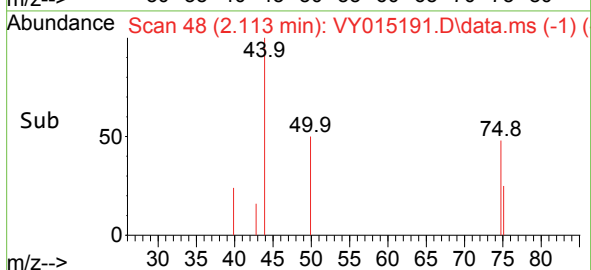
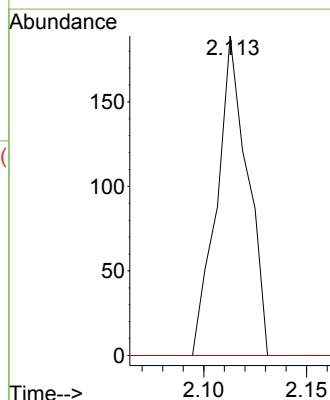
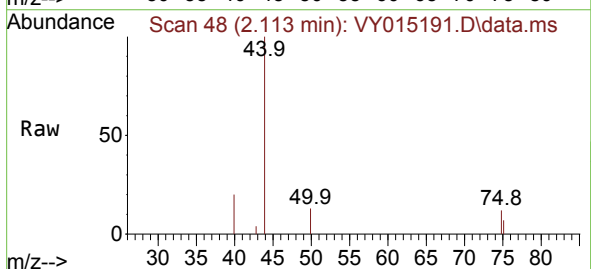
Acq: 18 Aug 2023 13:26

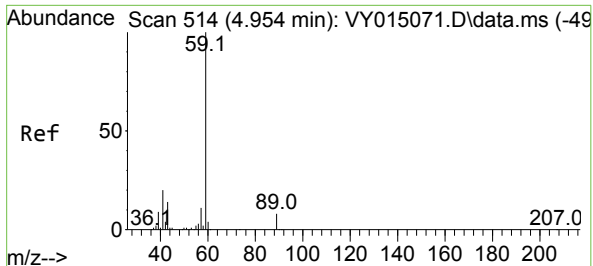
Tgt Ion: 50 Resp: 196

Ion Ratio Lower Upper

50 100

52 0.0 25.4 38.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.948 min Scan# 514

Delta R.T. -0.000 min

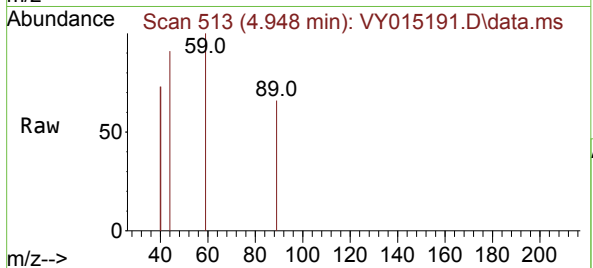
Lab File: VY015191.D

Acq: 18 Aug 2023 13:26

Instrument :

MSVOA_Y

ClientSampleId :

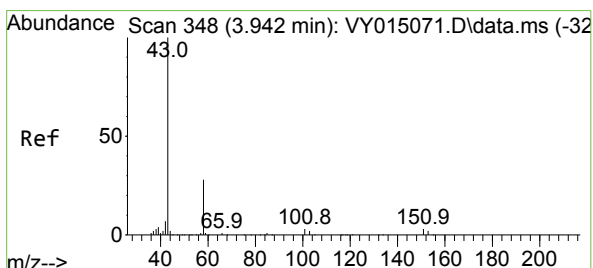
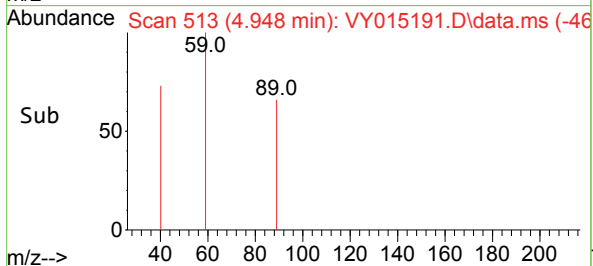
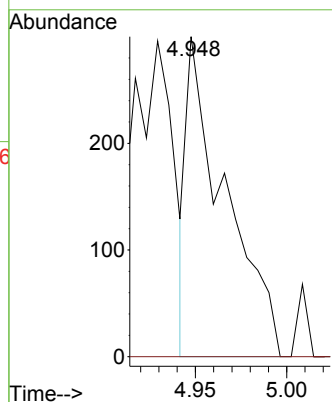


Tgt Ion: 59 Resp: 438

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#



#16

Acetone

Concen: 18.900 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.006 min

Lab File: VY015191.D

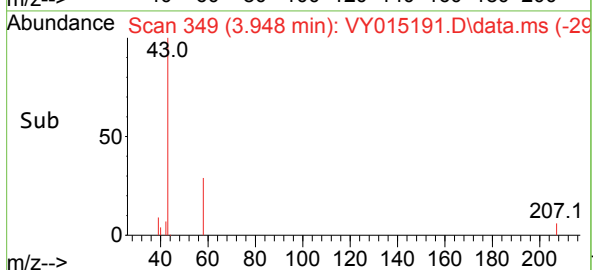
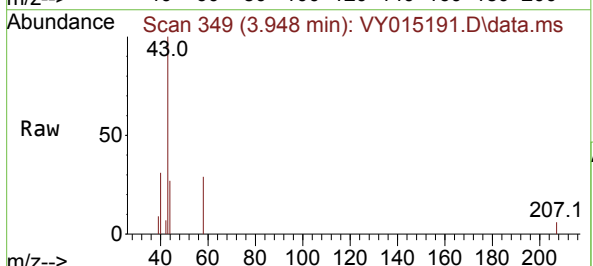
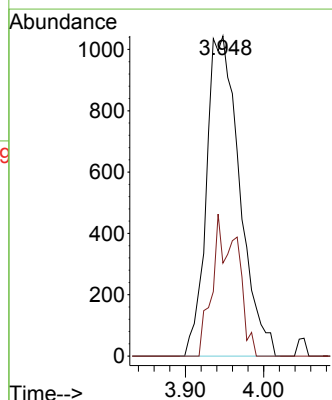
Acq: 18 Aug 2023 13:26

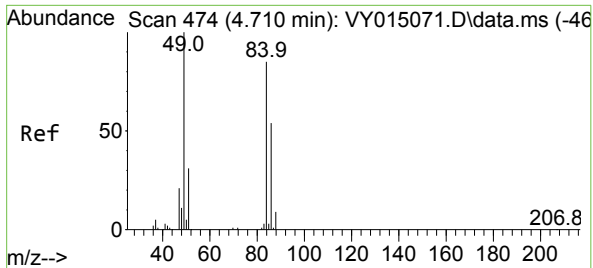
Tgt Ion: 43 Resp: 3068

Ion Ratio Lower Upper

43 100

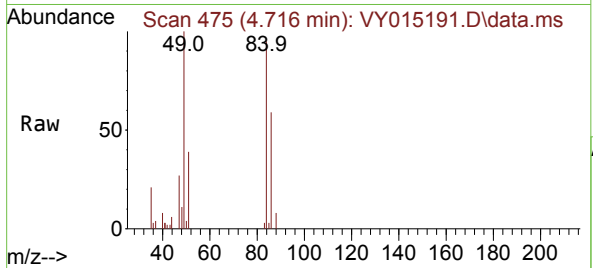
58 29.0 22.7 34.1



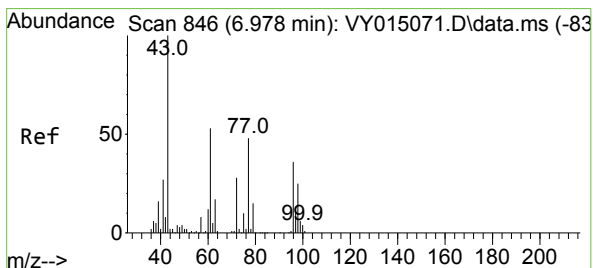
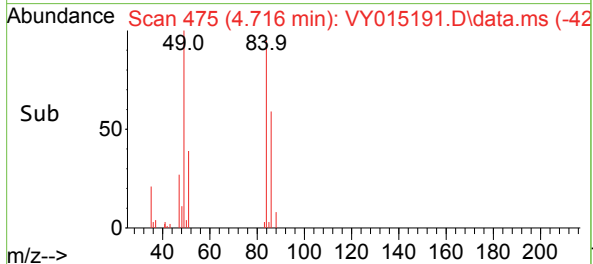
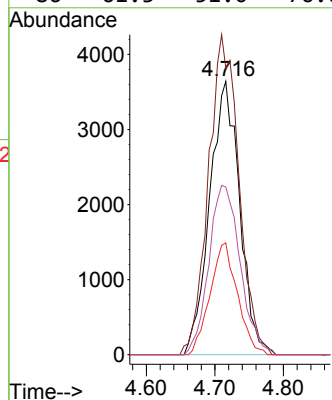


#20
Methylene Chloride
Concen: 26.418 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY015191.D
Acq: 18 Aug 2023 13:26

Instrument :
MSVOA_Y
ClientSampleId :

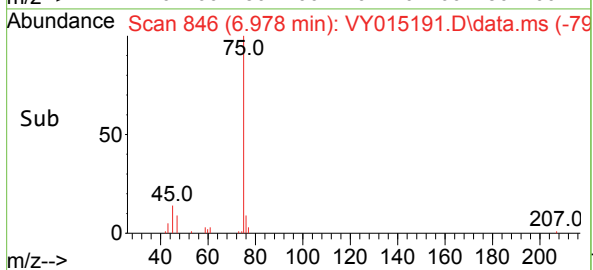
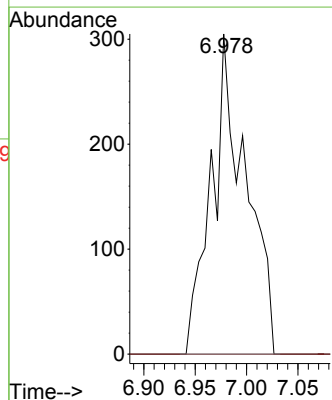
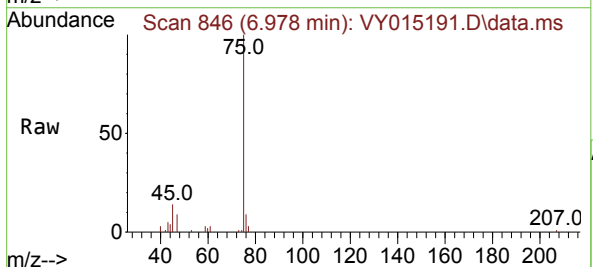


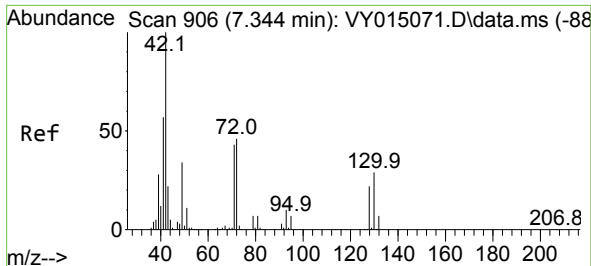
Tgt Ion: 84 Resp: 11075
Ion Ratio Lower Upper
84 100
49 104.8 106.9 160.3#
51 40.9 33.2 49.8
86 61.3 51.0 76.6



#25
2-Butanone
Concen: 3.089 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY015191.D
Acq: 18 Aug 2023 13:26

Tgt Ion: 43 Resp: 710
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#





#29

Tetrahydrofuran

Concen: 6.403 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.000 min

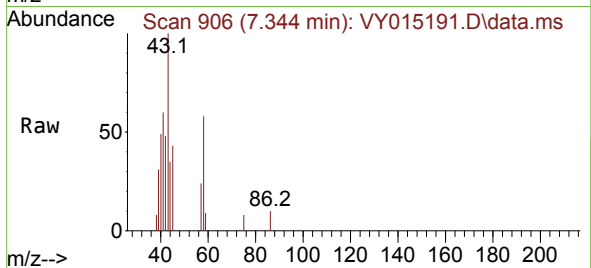
Lab File: VY015191.D

Acq: 18 Aug 2023 13:26

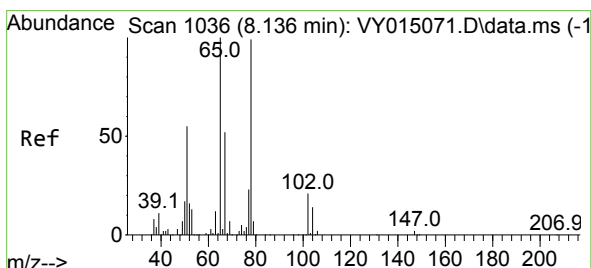
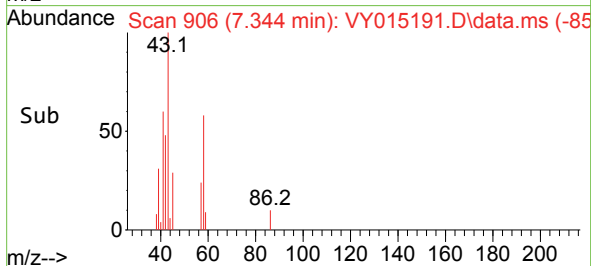
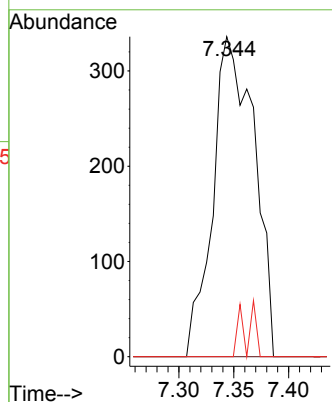
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	880
Ion Ratio	Lower	Upper	
42	100		
72	0.0	32.8	49.2#
71	0.0	31.0	46.4#



#33

1,2-Dichloroethane-d4

Concen: 50.935 ug/l

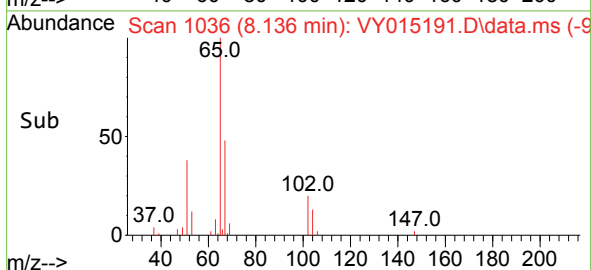
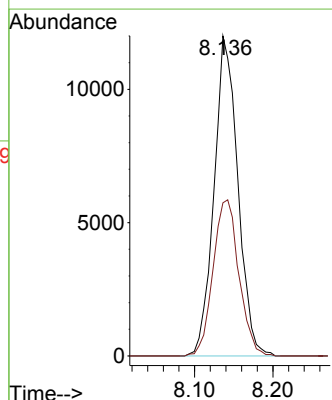
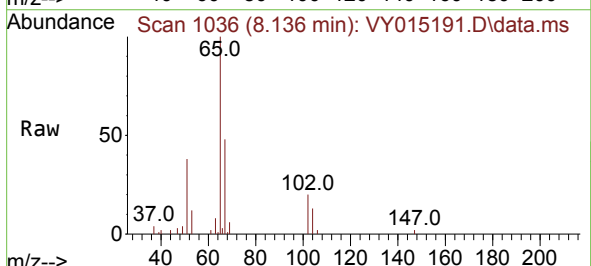
RT: 8.136 min Scan# 1036

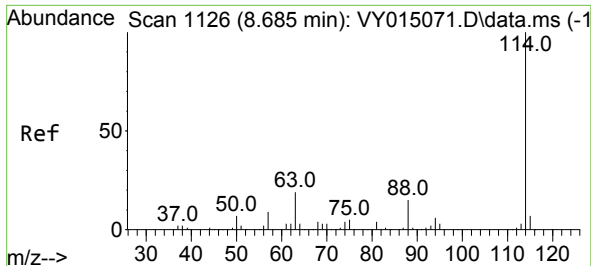
Delta R.T. -0.000 min

Lab File: VY015191.D

Acq: 18 Aug 2023 13:26

Tgt Ion:	65	Resp:	25309
Ion Ratio	Lower	Upper	
65	100		
67	53.0	0.0	101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY015191.D

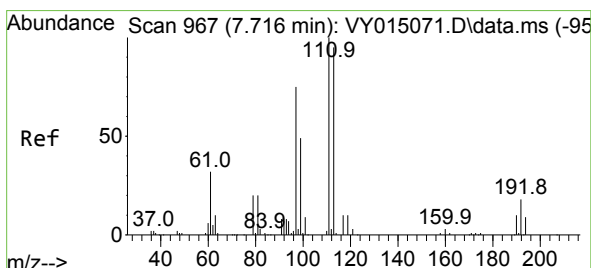
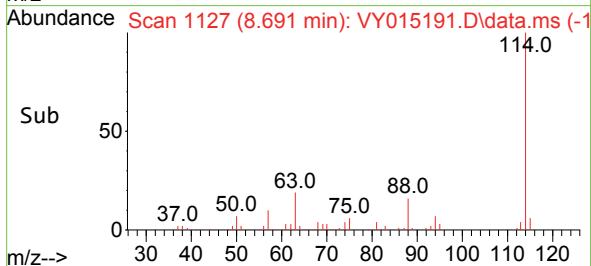
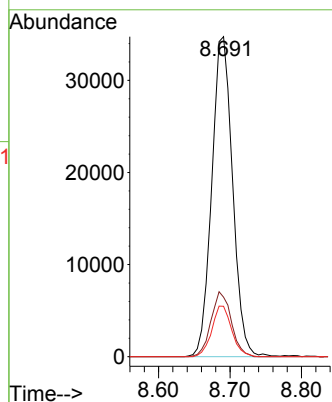
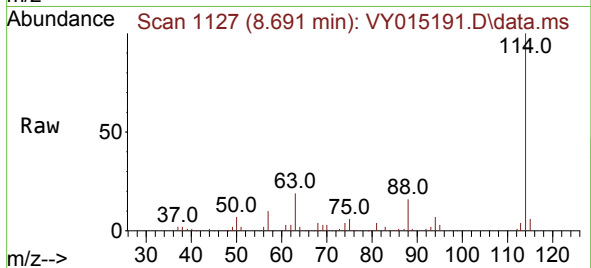
Acq: 18 Aug 2023 13:26

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	70254
Ion Ratio	Lower	Upper
114	100	
63	18.6	0.0 42.4
88	15.7	0.0 30.6



#35

Dibromofluoromethane

Concen: 49.833 ug/l

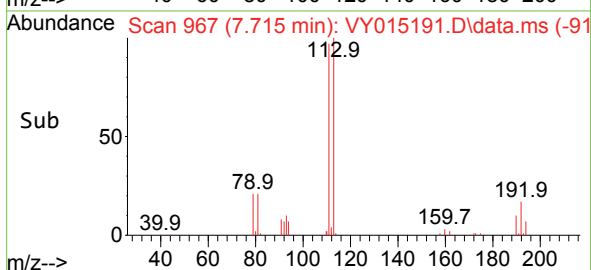
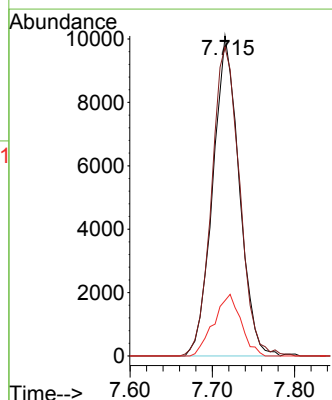
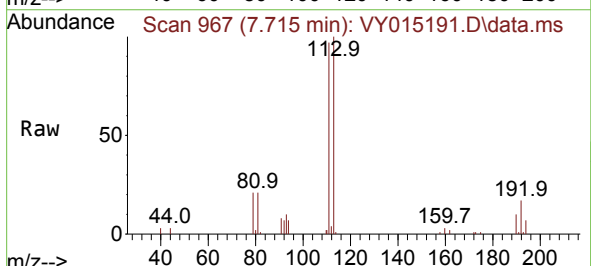
RT: 7.715 min Scan# 967

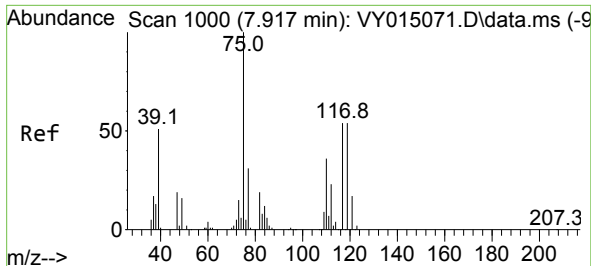
Delta R.T. -0.000 min

Lab File: VY015191.D

Acq: 18 Aug 2023 13:26

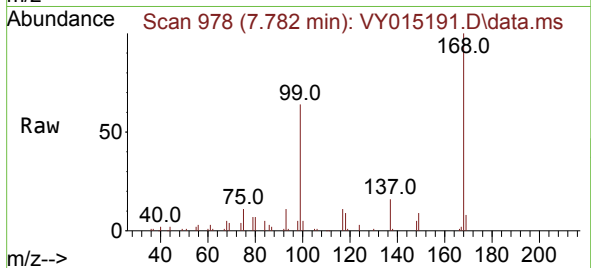
Tgt Ion:113	Resp:	22523
Ion Ratio	Lower	Upper
113	100	
111	102.5	81.3 121.9
192	19.9	16.9 25.3



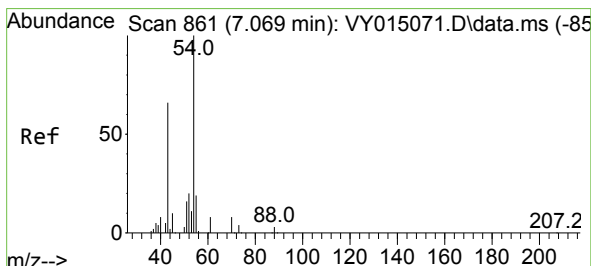
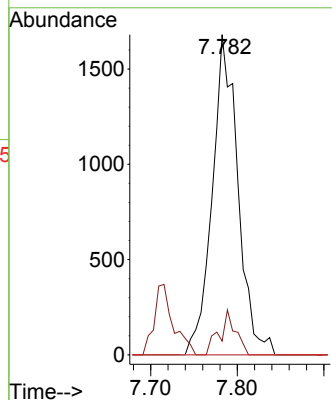
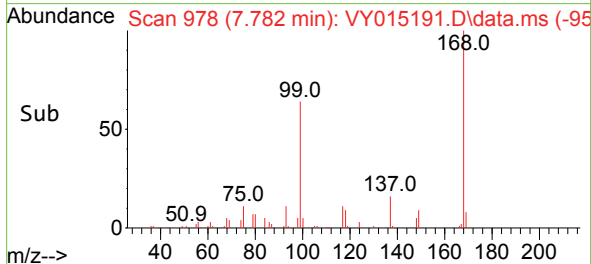


#36
1,1-Dichloropropene
Concen: 6.912 ug/l
RT: 7.782 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY015191.D
Acq: 18 Aug 2023 13:26

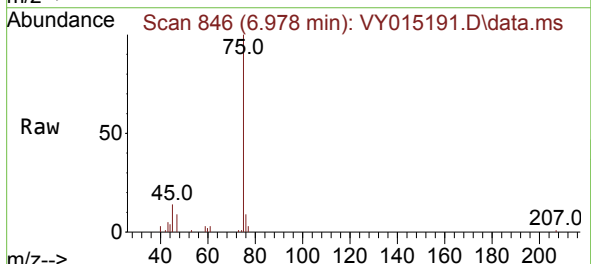
Instrument :
MSVOA_Y
ClientSampleId :



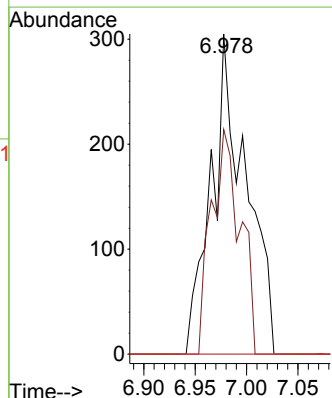
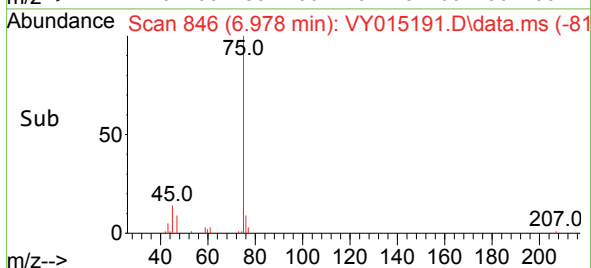
Tgt Ion: 75 Resp: 3456
Ion Ratio Lower Upper
75 100
110 8.7 17.8 53.5#
77 0.0 24.4 36.6#

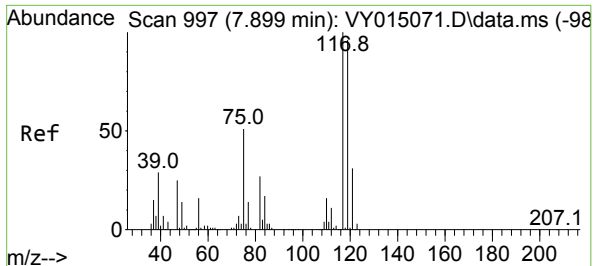


#37
Ethyl Acetate
Concen: 1.523 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.092 min
Lab File: VY015191.D
Acq: 18 Aug 2023 13:26



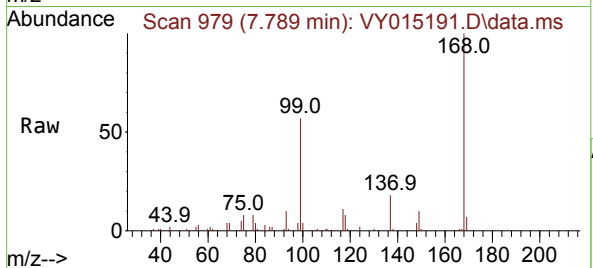
Tgt Ion: 43 Resp: 710
Ion Ratio Lower Upper
43 100
61 58.6 10.1 15.1#
70 0.0 7.1 10.7#



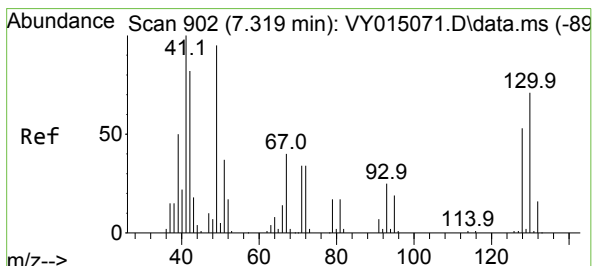
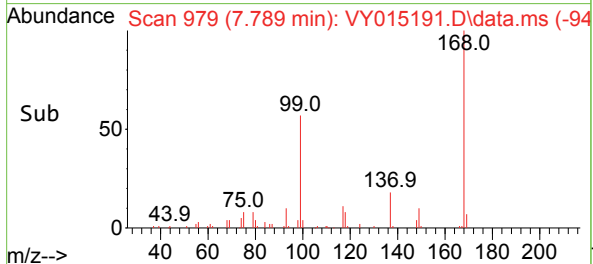
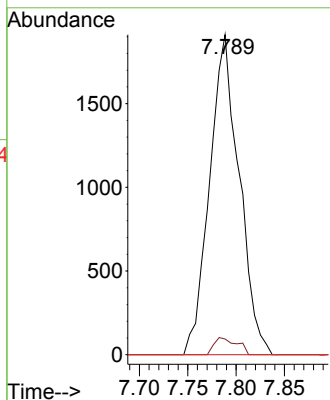


#38
Carbon Tetrachloride
Concen: 6.869 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015191.D
Acq: 18 Aug 2023 13:26

Instrument :
MSVOA_Y
ClientSampleId :

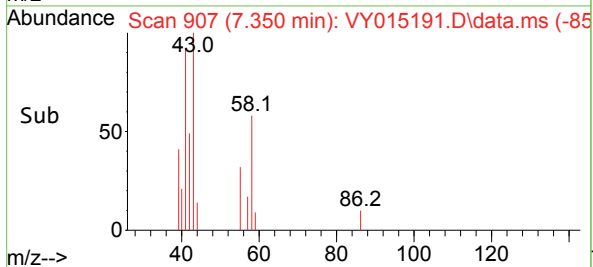
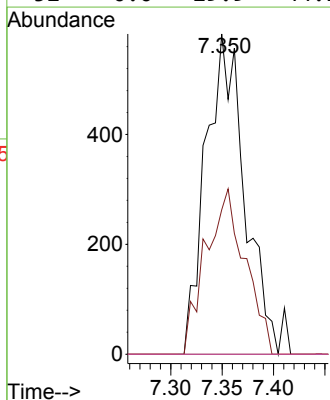
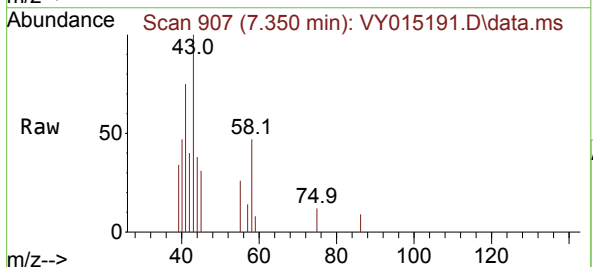


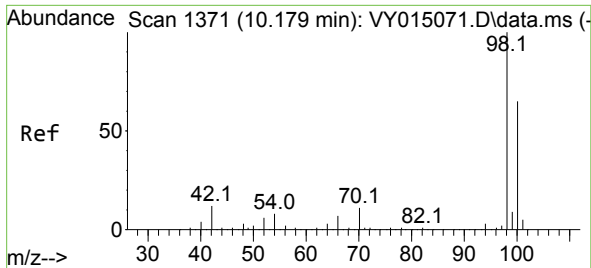
Tgt Ion:117 Resp: 4065
Ion Ratio Lower Upper
117 100
119 4.9 76.4 114.6#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 6.349 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.042 min
Lab File: VY015191.D
Acq: 18 Aug 2023 13:26

Tgt Ion: 41 Resp: 1526
Ion Ratio Lower Upper
41 100
39 52.5 52.1 78.1
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#

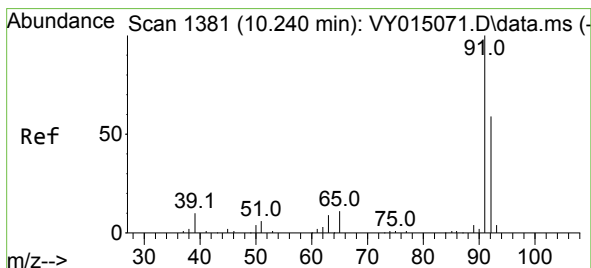
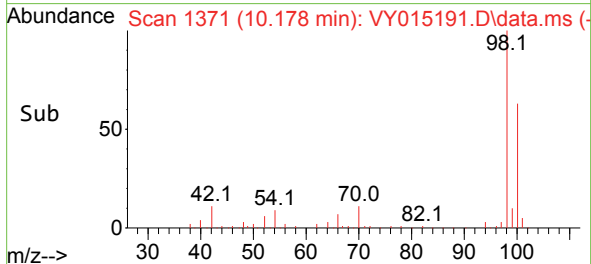
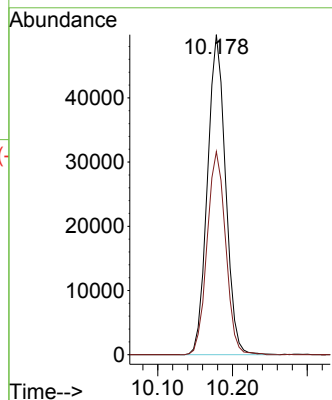
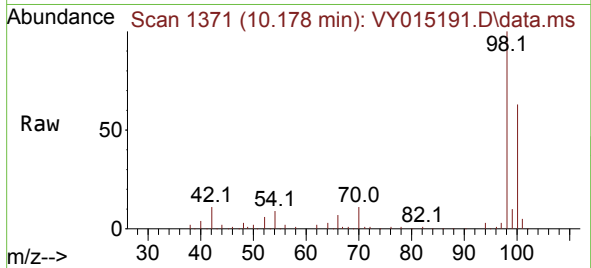




#50
Toluene-d8
Concen: 49.758 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015191.D
Acq: 18 Aug 2023 13:26

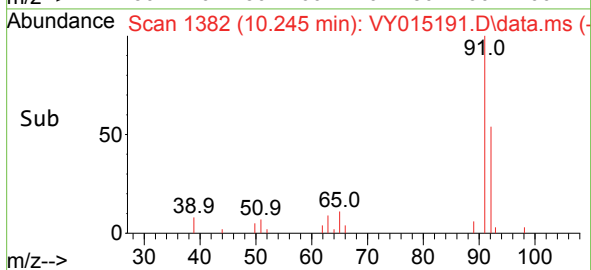
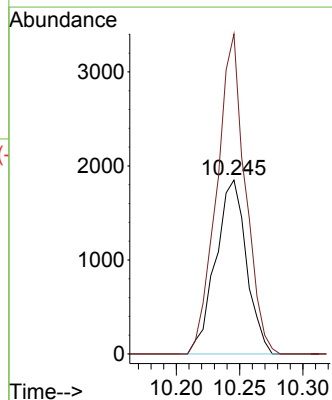
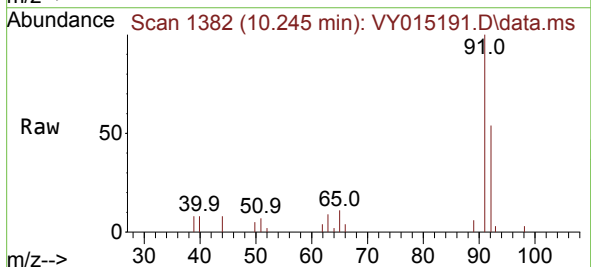
Instrument :
MSVOA_Y
ClientSampleId :

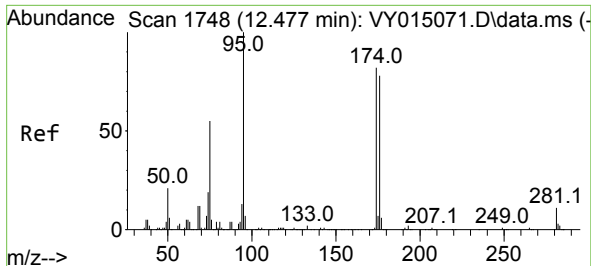
Tgt Ion: 98 Resp: 83717
Ion Ratio Lower Upper
98 100
100 64.9 50.1 75.1



#52
Toluene
Concen: 3.144 ug/l
RT: 10.245 min Scan# 1382
Delta R.T. 0.006 min
Lab File: VY015191.D
Acq: 18 Aug 2023 13:26

Tgt Ion: 92 Resp: 3133
Ion Ratio Lower Upper
92 100
91 170.5 143.8 215.6

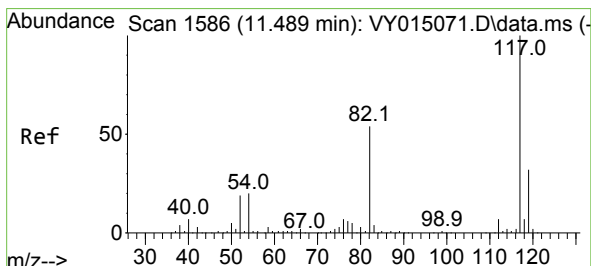
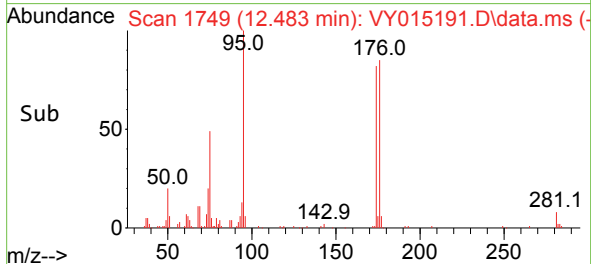
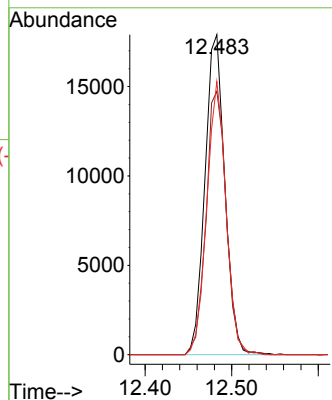
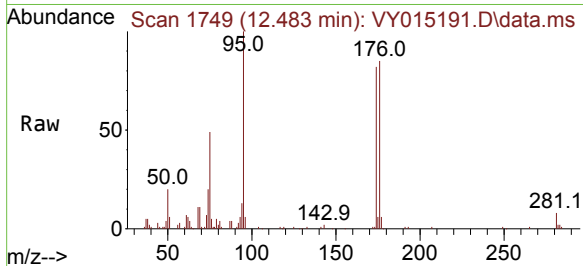




#62
4-Bromofluorobenzene
Concen: 46.529 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015191.D
Acq: 18 Aug 2023 13:26

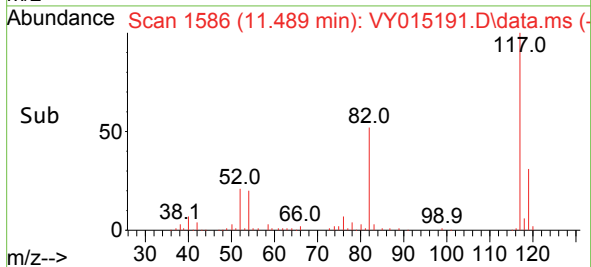
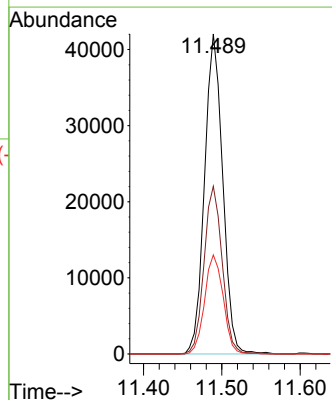
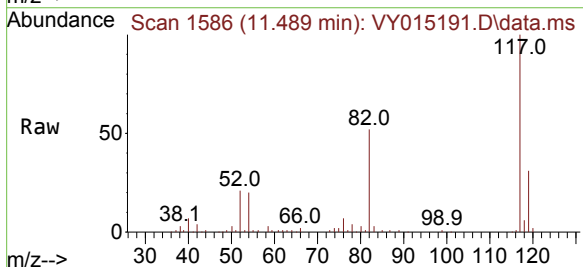
Instrument :
MSVOA_Y
ClientSampleId :

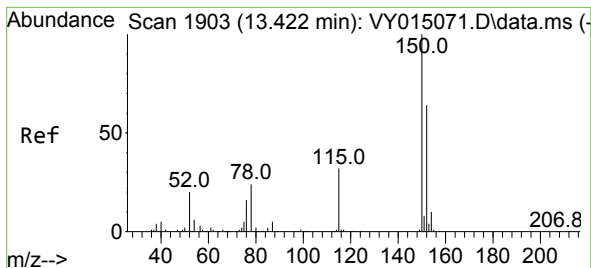
Tgt Ion: 95 Resp: 28593
Ion Ratio Lower Upper
95 100
174 83.4 0.0 178.2
176 82.6 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY015191.D
Acq: 18 Aug 2023 13:26

Tgt Ion: 117 Resp: 67654
Ion Ratio Lower Upper
117 100
82 52.4 43.4 65.0
119 31.0 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

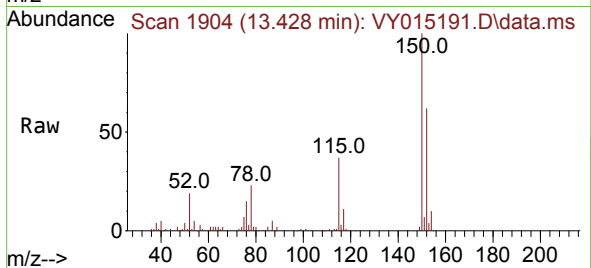
Lab File: VY015191.D

Acq: 18 Aug 2023 13:26

Instrument :

MSVOA_Y

ClientSampleId :



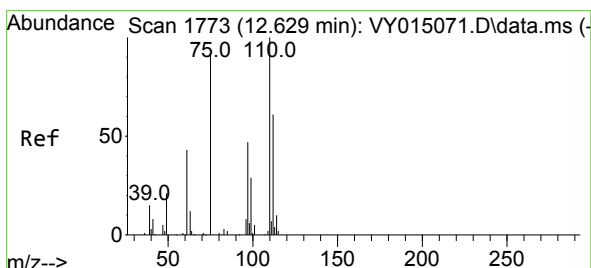
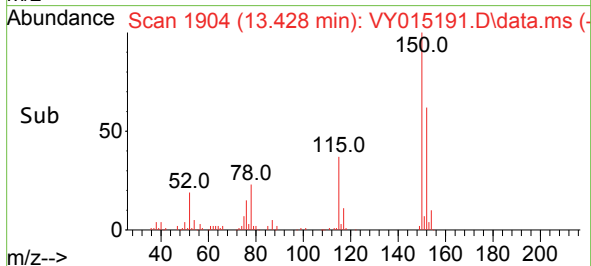
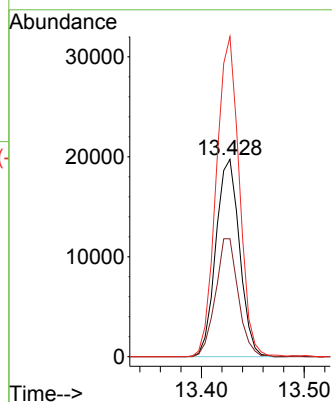
Tgt Ion:152 Resp: 31566

Ion Ratio Lower Upper

152 100

115 57.6 28.8 86.5

150 157.6 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 39.682 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY015191.D

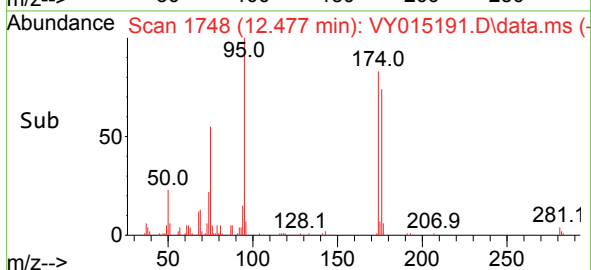
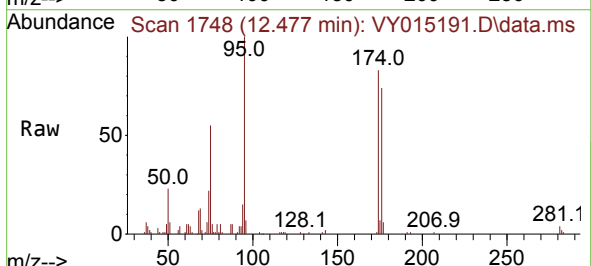
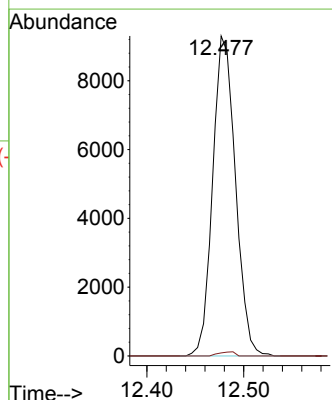
Acq: 18 Aug 2023 13:26

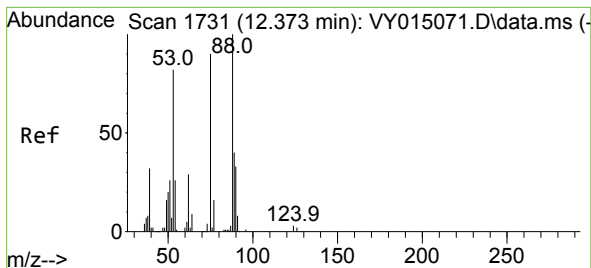
Tgt Ion: 75 Resp: 15218

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#

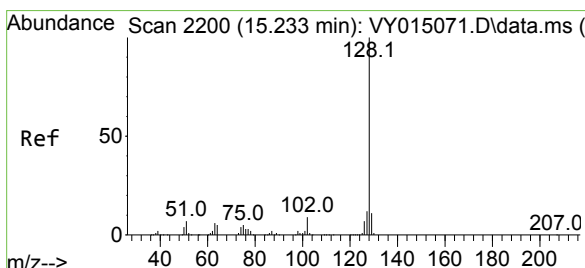
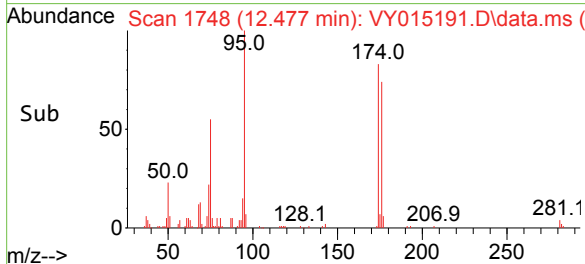
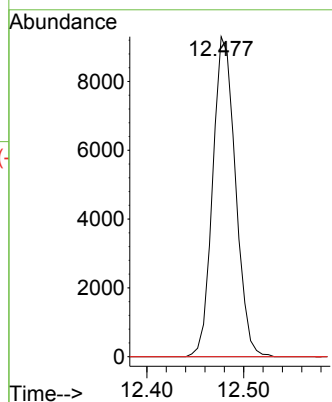
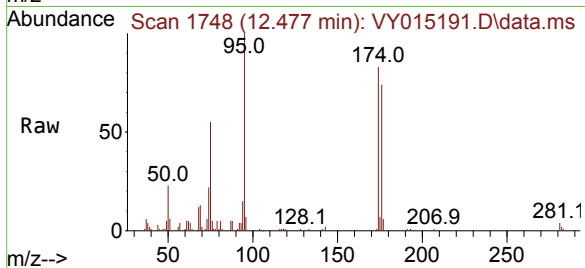




#81
trans-1,4-Dichloro-2-butene
Concen: 87.160 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY015191.D
Acq: 18 Aug 2023 13:26

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 15218
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#95
Naphthalene
Concen: 4.017 ug/l
RT: 15.238 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY015191.D
Acq: 18 Aug 2023 13:26

Tgt Ion: 128 Resp: 5890
Ion Ratio Lower Upper
128 100
127 12.6 10.8 16.2
129 11.9 8.6 13.0

