

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082523\
 Data File : VY015348.D
 Acq On : 25 Aug 2023 17:26
 Operator : SY/MD
 Sample : 04183-05
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 25 23:45:01 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)

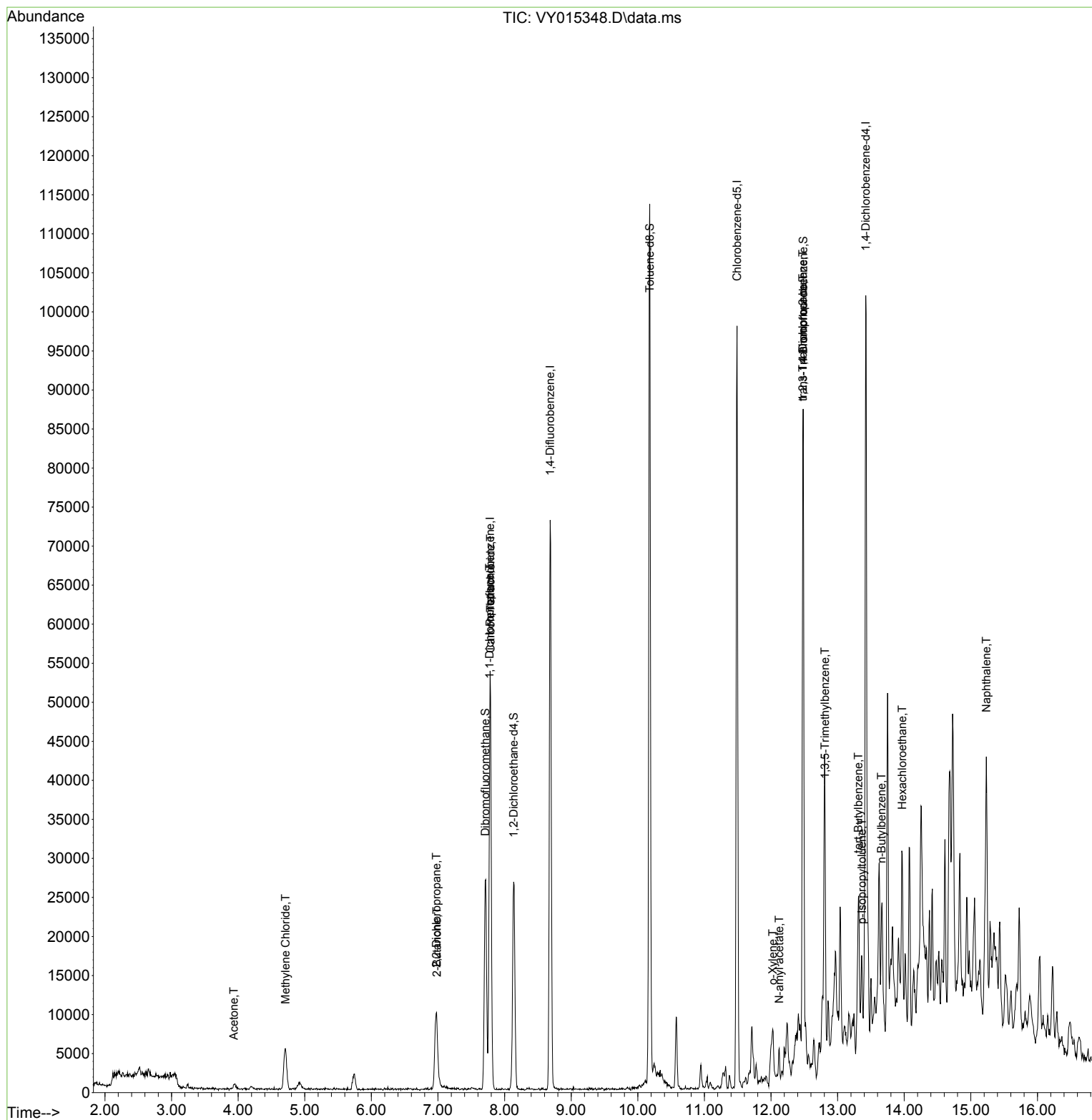
Internal Standards						
1) Pentafluorobenzene	7.783	168	40703	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	64073	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	53791	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	23600	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	21144	43.275	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	86.540%
35) Dibromofluoromethane	7.710	113	19277	46.766	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.540%
50) Toluene-d8	10.179	98	73850	48.128	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.260%
62) 4-Bromofluorobenzene	12.483	95	22669	40.447	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.900%
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	133	Below Cal	#	43
11) Tert butyl alcohol	4.924	59	1196	Below Cal	#	89
13) Acrolein	3.442	56	26	Below Cal	#	14
16) Acetone	3.936	43	1273	7.975	ug/l #	80
20) Methylene Chloride	4.710	84	4274	7.495	ug/l #	75
25) 2-Butanone	6.984	43	346	1.531	ug/l #	49
26) 2,2-Dichloropropane	6.978	77	794	1.214	ug/l #	54
31) Cyclohexane	7.789	56	825	Below Cal	#	42
36) 1,1-Dichloropropene	7.777	75	3524	7.728	ug/l #	49
38) Carbon Tetrachloride	7.789	117	3875	7.180	ug/l #	16
69) o-Xylene	12.026	106	1442	2.219	ug/l	86
74) N-amyl acetate	12.124	43	930	1.697	ug/l #	72
76) 1,2,3-Trichloropropane	12.477	75	12566	43.826	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	4384	3.466	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.477	75	12566	96.264	ug/l #	11
83) tert-Butylbenzene	13.312	119	3635	3.142	ug/l #	59
86) p-Isopropyltoluene	13.367	119	1714	1.219	ug/l	91
89) n-Butylbenzene	13.660	91	1904	1.437	ug/l #	1
90) Hexachloroethane	13.971	117	979	3.511	ug/l #	8
95) Naphthalene	15.233	128	24751	22.580	ug/l	98

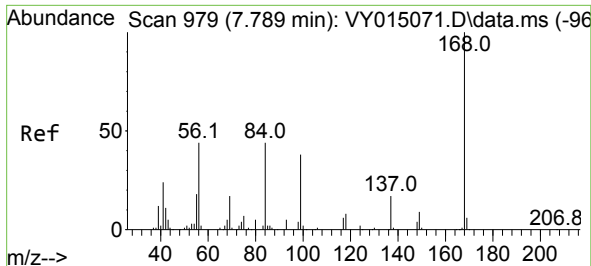
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

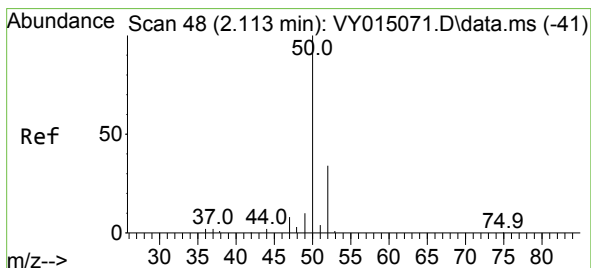
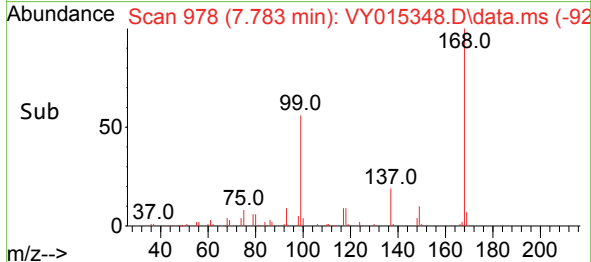
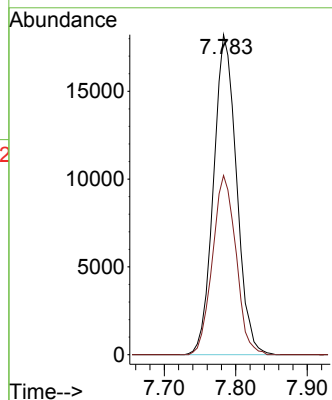
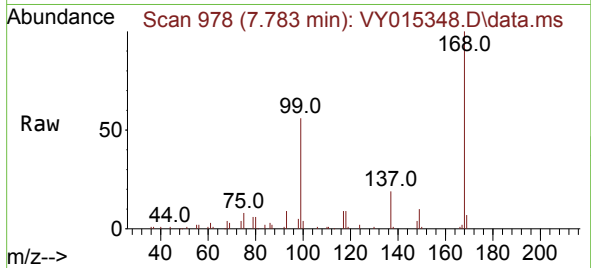




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015348.D
Acq: 25 Aug 2023 17:26

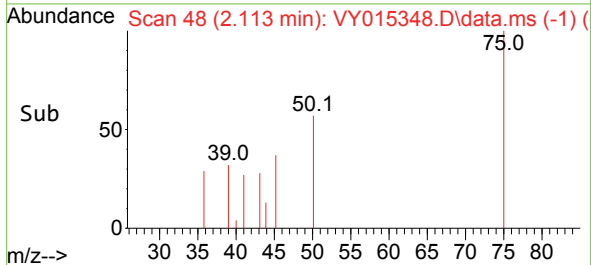
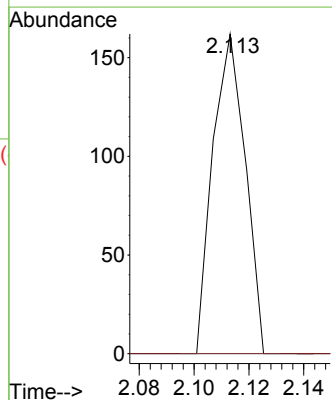
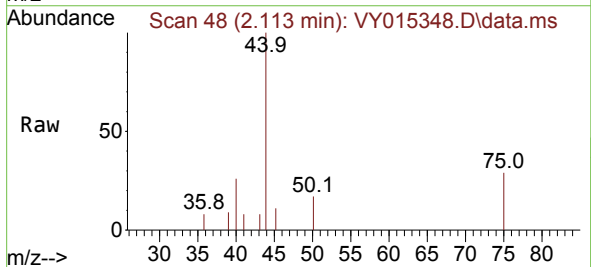
Instrument :
MSVOA_Y
ClientSampleId :

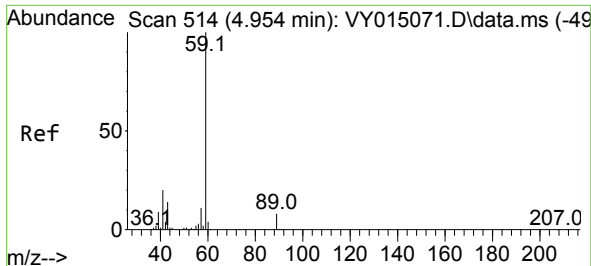
Tgt Ion:168 Resp: 40703
Ion Ratio Lower Upper
168 100
99 56.0 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY015348.D
Acq: 25 Aug 2023 17:26

Tgt Ion: 50 Resp: 133
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

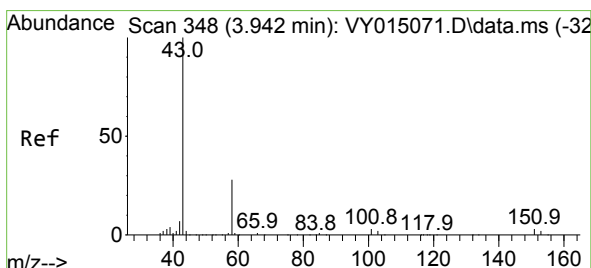
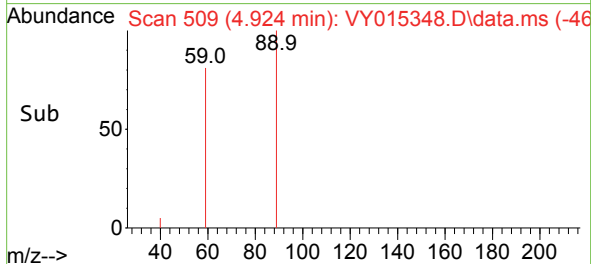
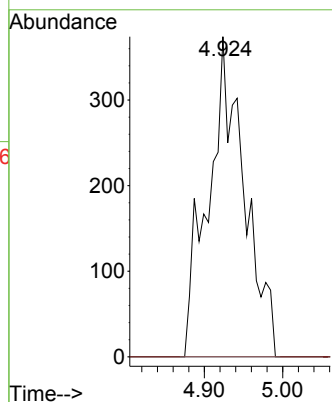
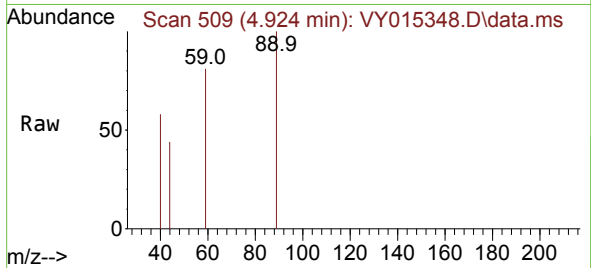




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.924 min Scan# 509
Delta R.T. -0.024 min
Lab File: VY015348.D
Acq: 25 Aug 2023 17:26

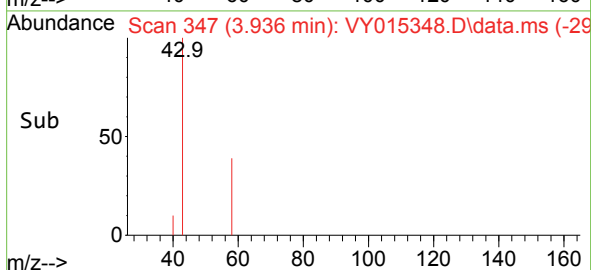
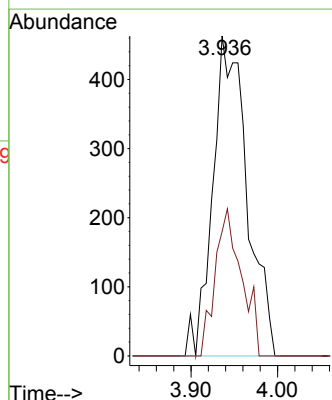
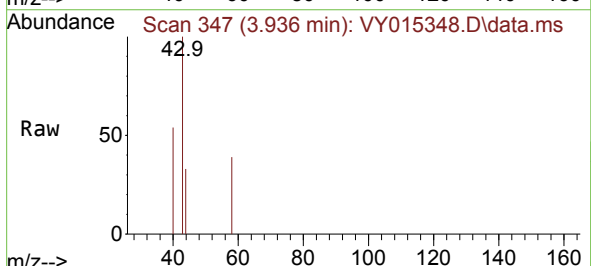
Instrument :
MSVOA_Y
ClientSampleId :

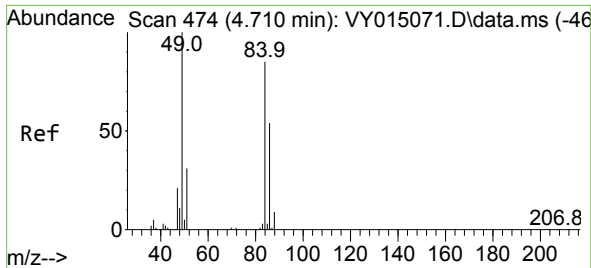
Tgt Ion: 59 Resp: 1196
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 7.975 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.006 min
Lab File: VY015348.D
Acq: 25 Aug 2023 17:26

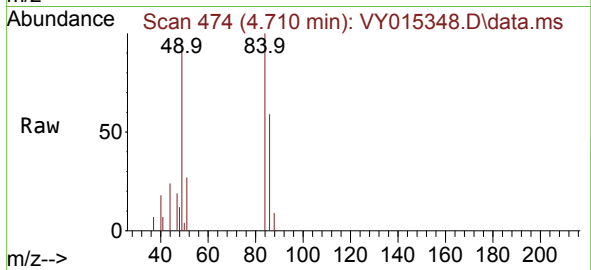
Tgt Ion: 43 Resp: 1273
Ion Ratio Lower Upper
43 100
58 38.9 22.7 34.1#



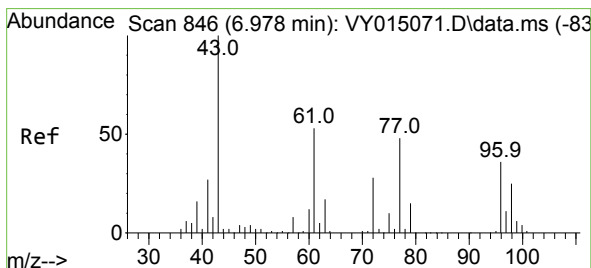
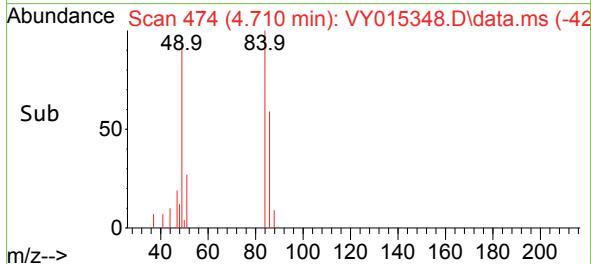
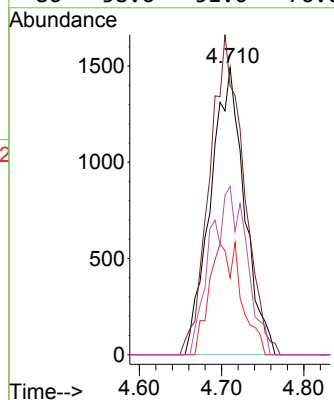


#20
Methylene Chloride
Concen: 7.495 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY015348.D
Acq: 25 Aug 2023 17:26

Instrument :
MSVOA_Y
ClientSampleId :

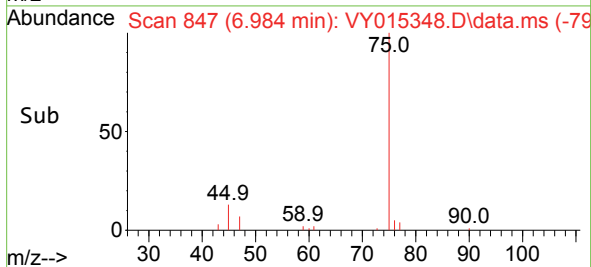
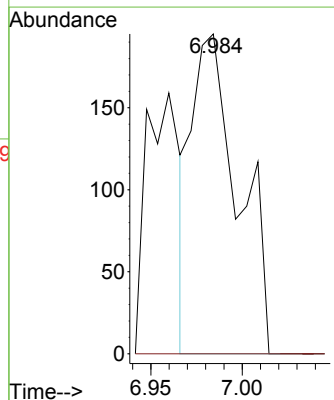
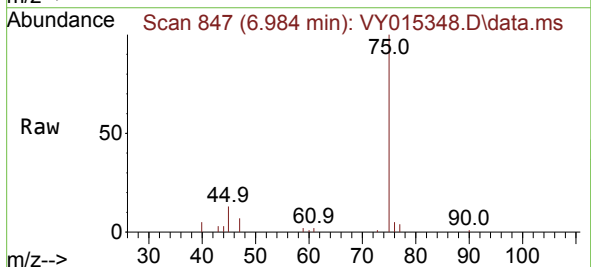


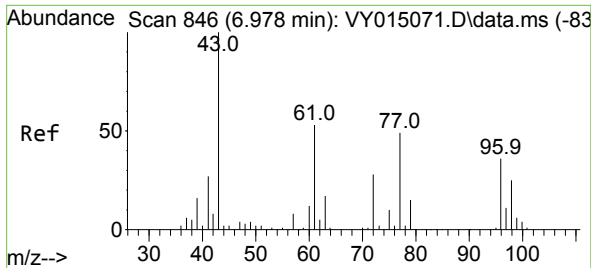
Tgt Ion: 84 Resp: 4274
Ion Ratio Lower Upper
84 100
49 93.7 106.9 160.3#
51 26.7 33.2 49.8#
86 58.6 51.0 76.6



#25
2-Butanone
Concen: 1.531 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY015348.D
Acq: 25 Aug 2023 17:26

Tgt Ion: 43 Resp: 346
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#





#26

2,2-Dichloropropane

Concen: 1.214 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.006 min

Lab File: VY015348.D

Acq: 25 Aug 2023 17:26

Instrument :

MSVOA_Y

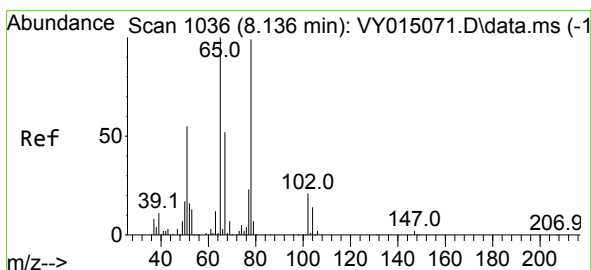
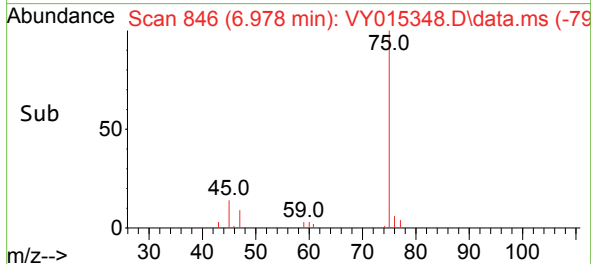
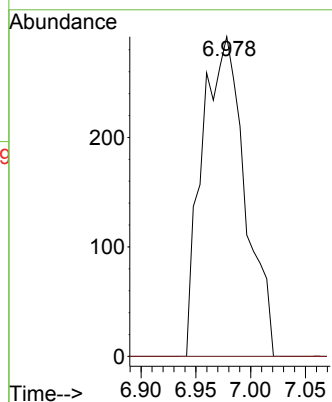
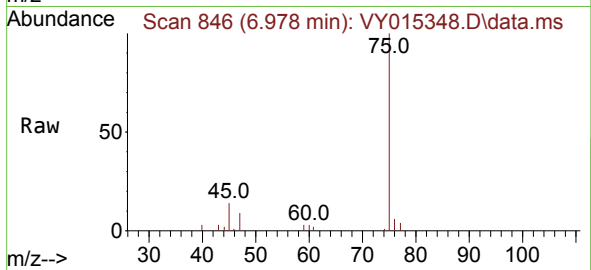
ClientSampleId :

Tgt Ion: 77 Resp: 794

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#33

1,2-Dichloroethane-d4

Concen: 43.275 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015348.D

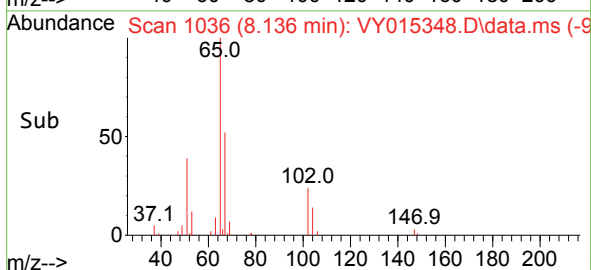
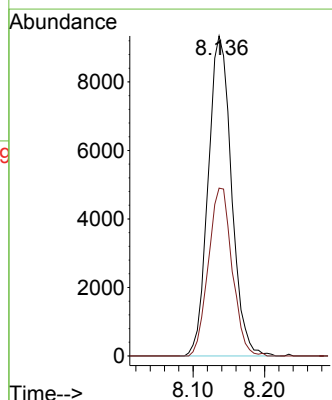
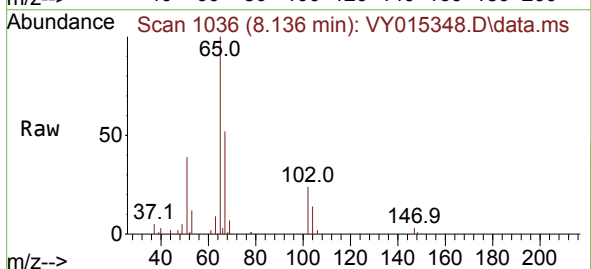
Acq: 25 Aug 2023 17:26

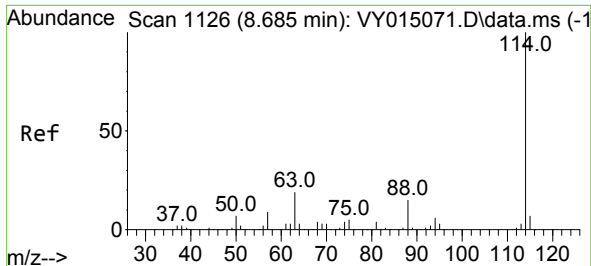
Tgt Ion: 65 Resp: 21144

Ion Ratio Lower Upper

65 100

67 53.4 0.0 101.8

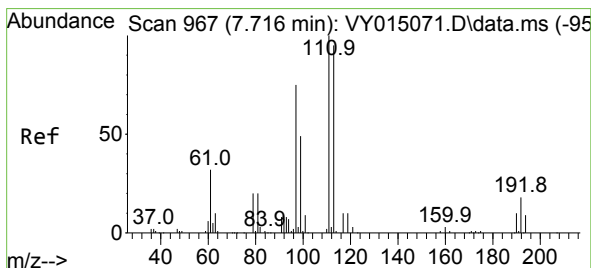
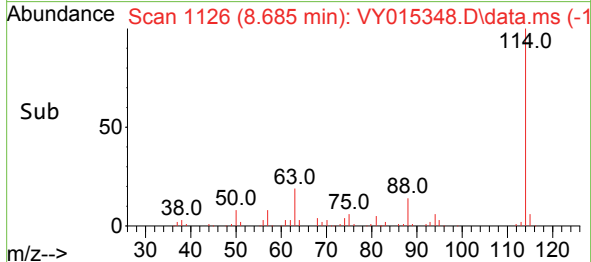
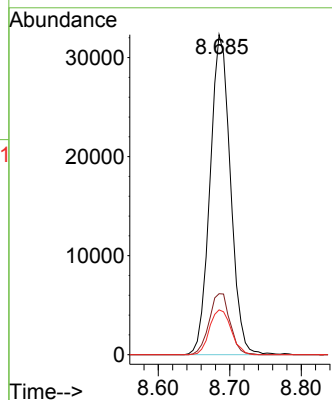
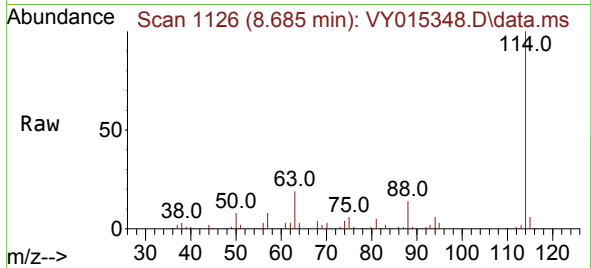




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY015348.D
Acq: 25 Aug 2023 17:26

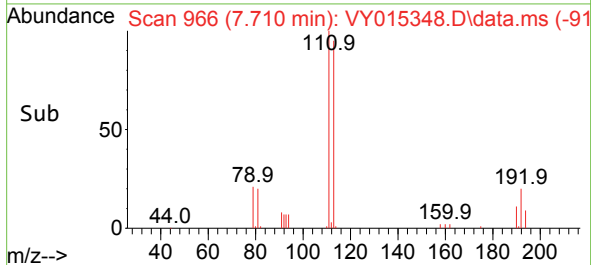
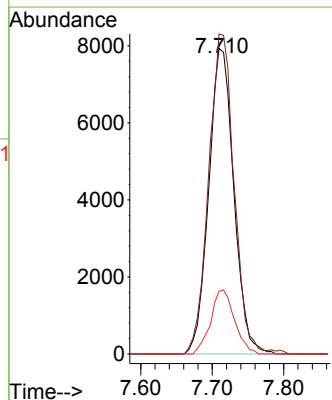
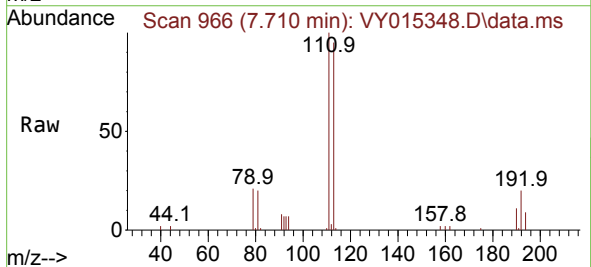
Instrument :
MSVOA_Y
ClientSampleId :

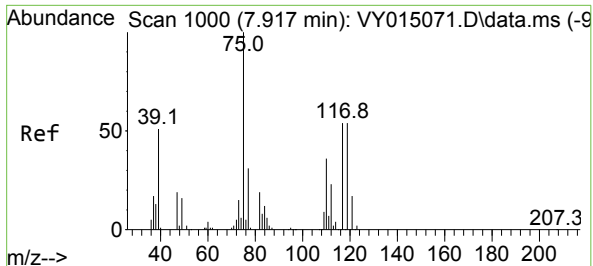
Tgt Ion:114 Resp: 64073
Ion Ratio Lower Upper
114 100
63 19.1 0.0 42.4
88 14.0 0.0 30.6



#35
Dibromofluoromethane
Concen: 46.766 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY015348.D
Acq: 25 Aug 2023 17:26

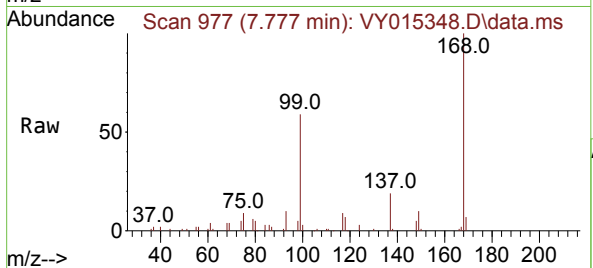
Tgt Ion:113 Resp: 19277
Ion Ratio Lower Upper
113 100
111 105.8 81.3 121.9
192 20.0 16.9 25.3



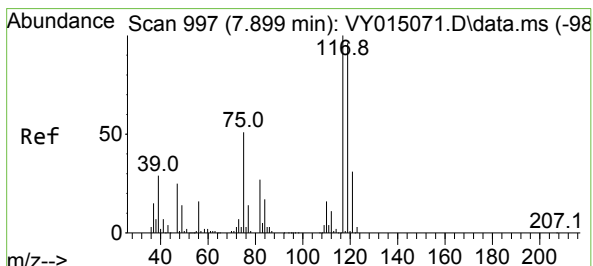
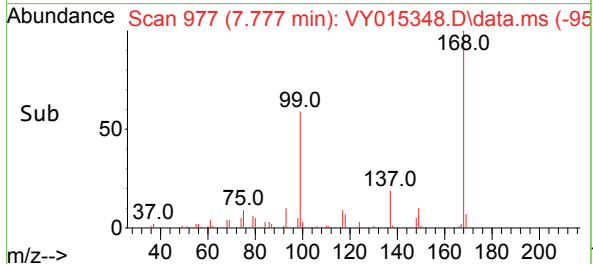
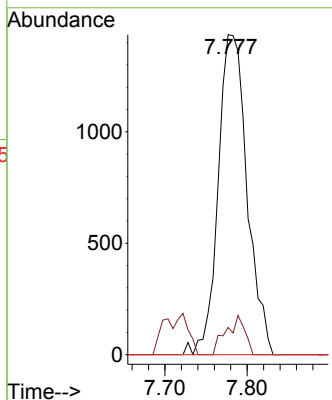


#36
1,1-Dichloropropene
Concen: 7.728 ug/l
RT: 7.777 min Scan# 911
Delta R.T. -0.134 min
Lab File: VY015348.D
Acq: 25 Aug 2023 17:26

Instrument :
MSVOA_Y
ClientSampleId :

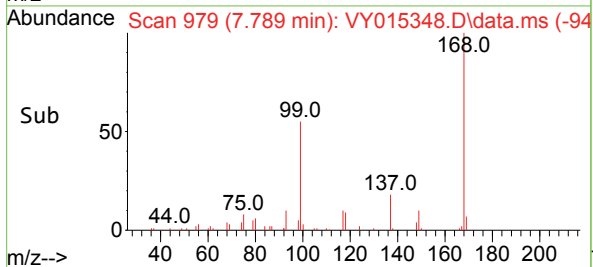
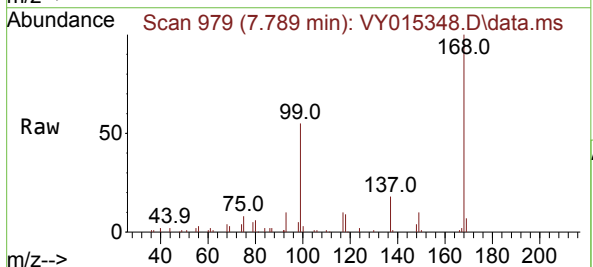
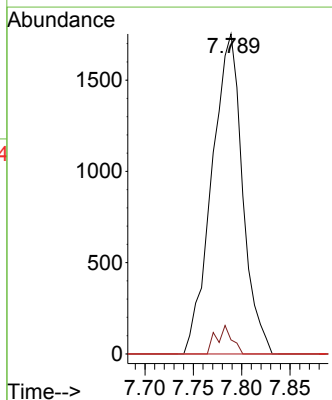


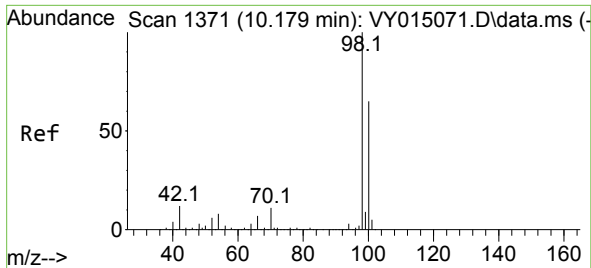
Tgt Ion: 75 Resp: 3524
Ion Ratio Lower Upper
75 100
110 7.9 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 7.180 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY015348.D
Acq: 25 Aug 2023 17:26

Tgt Ion: 117 Resp: 3875
Ion Ratio Lower Upper
117 100
119 4.4 76.4 114.6#
121 0.0 25.8 38.6#

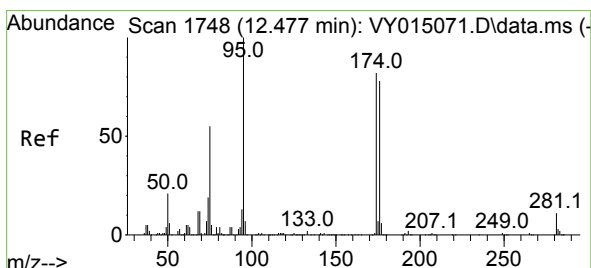
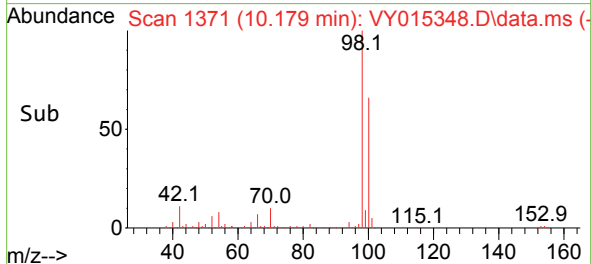
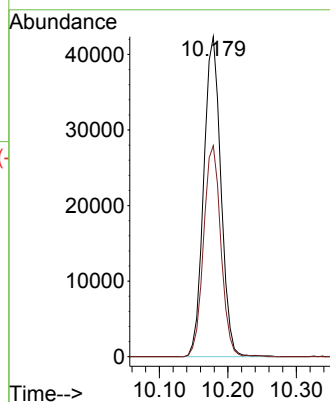
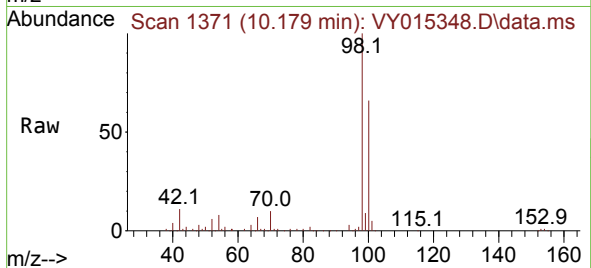




#50
Toluene-d8
Concen: 48.128 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015348.D
Acq: 25 Aug 2023 17:26

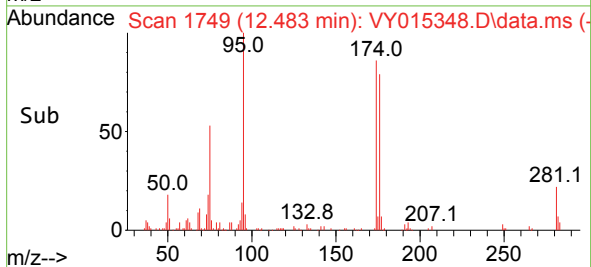
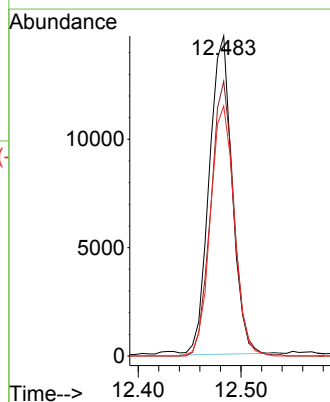
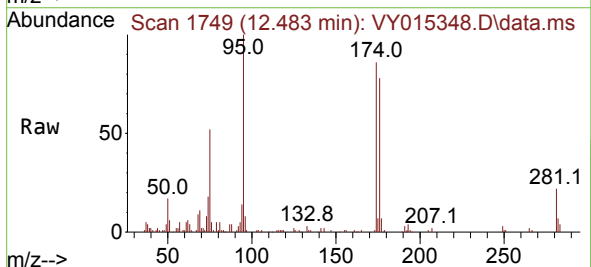
Instrument :
MSVOA_Y
ClientSampleId :

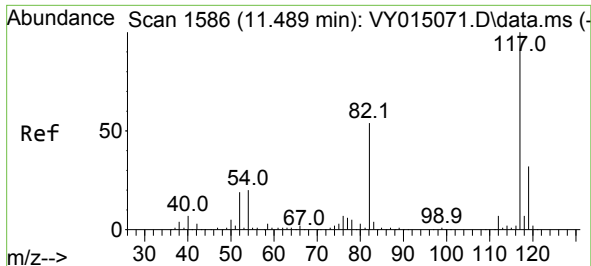
Tgt Ion: 98 Resp: 73850
Ion Ratio Lower Upper
98 100
100 66.4 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 40.447 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015348.D
Acq: 25 Aug 2023 17:26

Tgt Ion: 95 Resp: 22669
Ion Ratio Lower Upper
95 100
174 87.6 0.0 178.2
176 82.2 0.0 173.8

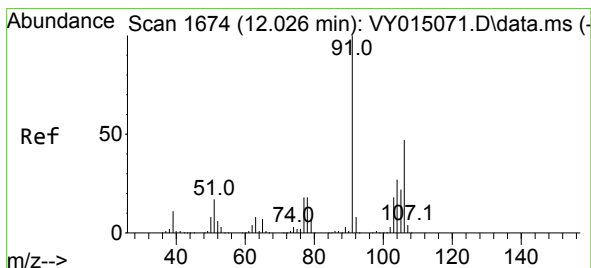
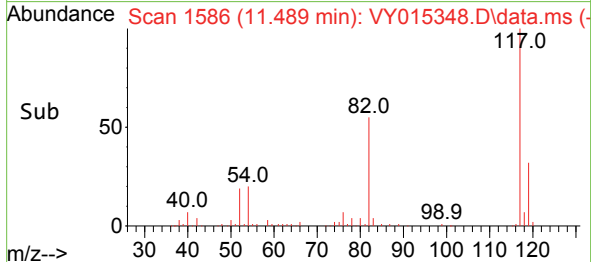
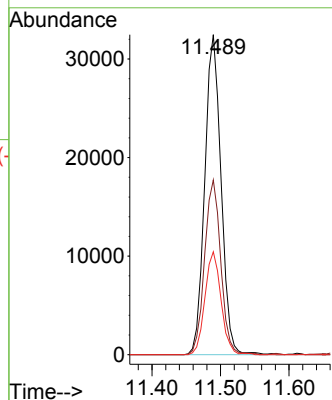
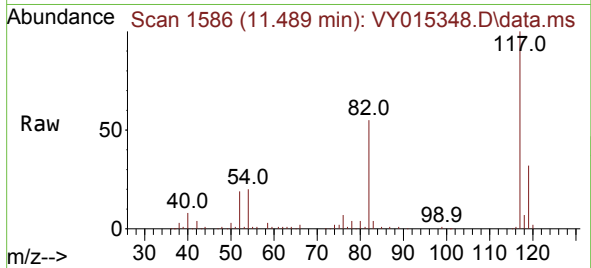




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015348.D
Acq: 25 Aug 2023 17:26

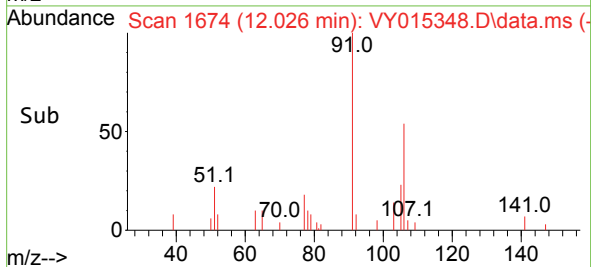
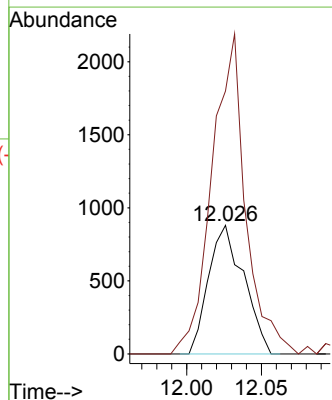
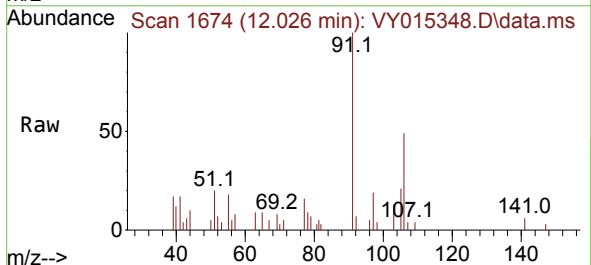
Instrument :
MSVOA_Y
ClientSampleId :

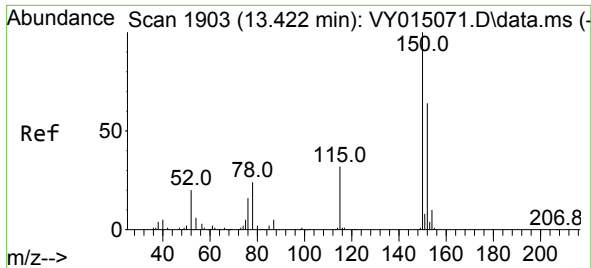
Tgt Ion:117 Resp: 53791
Ion Ratio Lower Upper
117 100
82 54.6 43.4 65.0
119 32.2 26.3 39.5



#69
o-Xylene
Concen: 2.219 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. 0.000 min
Lab File: VY015348.D
Acq: 25 Aug 2023 17:26

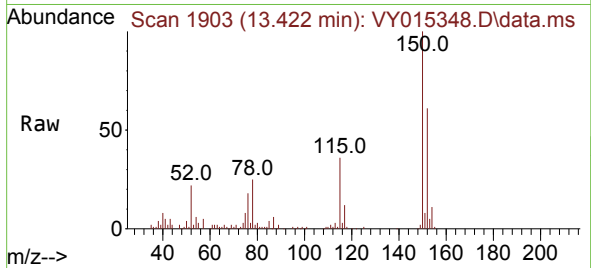
Tgt Ion:106 Resp: 1442
Ion Ratio Lower Upper
106 100
91 237.8 108.1 324.3



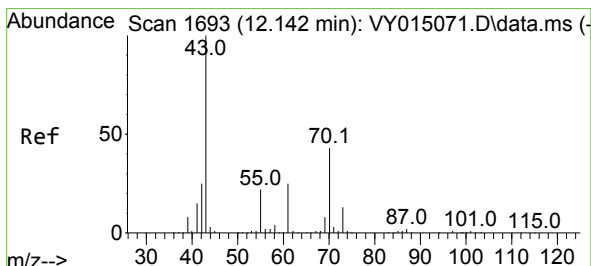
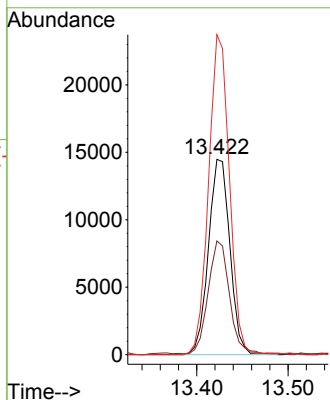
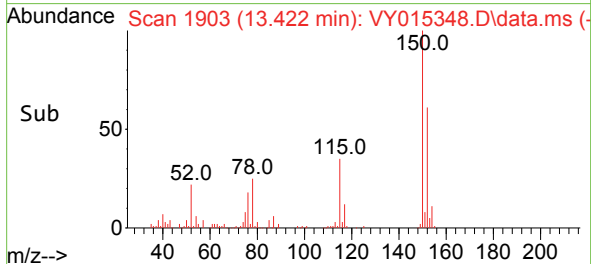


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015348.D
Acq: 25 Aug 2023 17:26

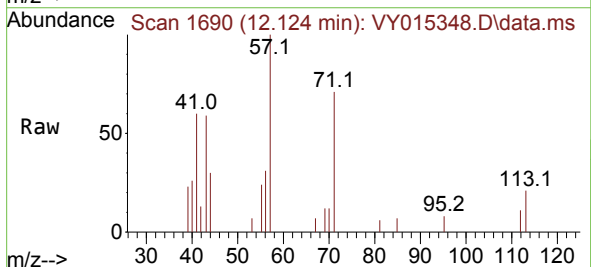
Instrument :
MSVOA_Y
ClientSampleId :



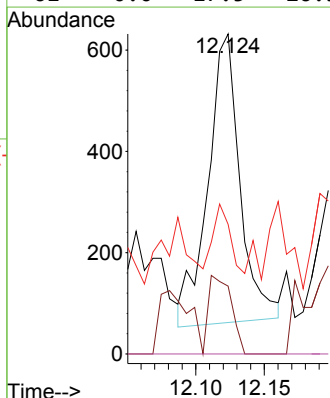
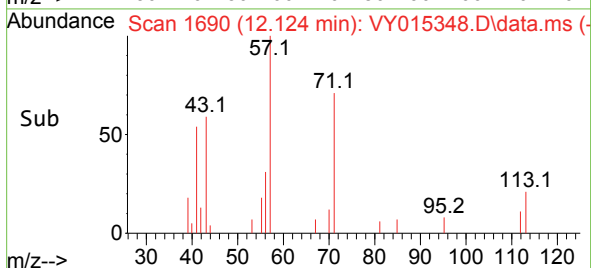
Tgt Ion:152 Resp: 23600
Ion Ratio Lower Upper
152 100
115 58.7 28.8 86.5
150 158.4 0.0 348.8

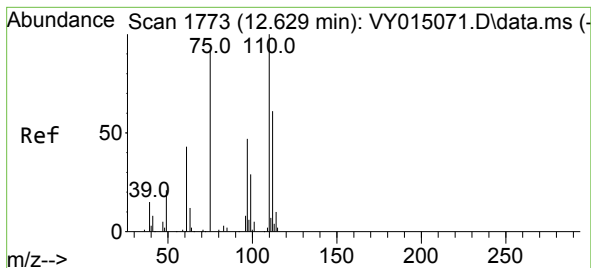


#74
N-ethyl acetate
Concen: 1.697 ug/l
RT: 12.124 min Scan# 1690
Delta R.T. -0.018 min
Lab File: VY015348.D
Acq: 25 Aug 2023 17:26



Tgt Ion: 43 Resp: 930
Ion Ratio Lower Upper
43 100
70 19.2 29.7 44.5#
55 20.0 18.3 27.5
61 0.0 17.5 26.3#

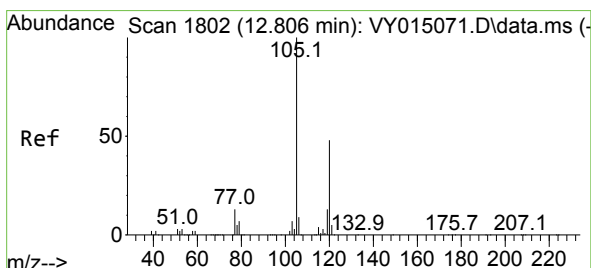
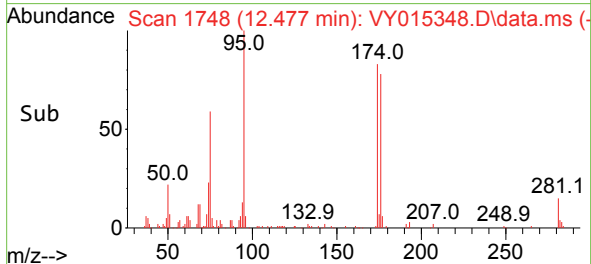
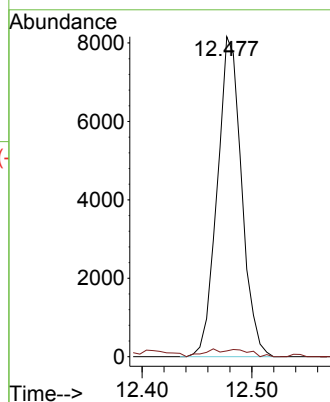
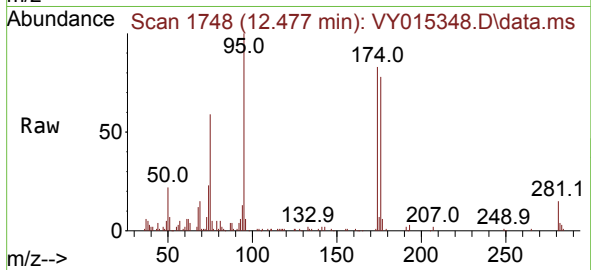




#76
1,2,3-Trichloropropane
Concen: 43.826 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.152 min
Lab File: VY015348.D
Acq: 25 Aug 2023 17:26

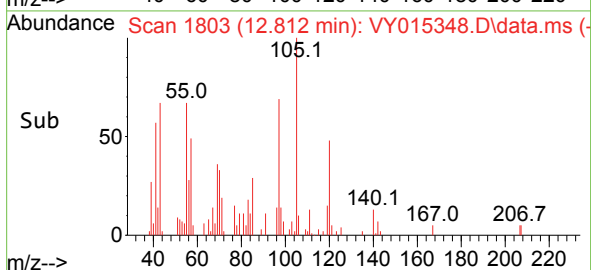
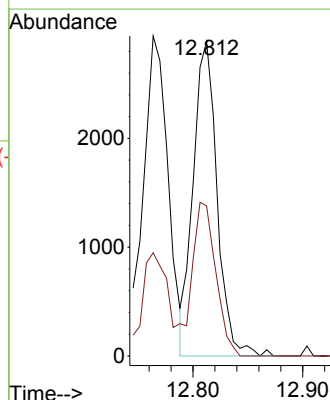
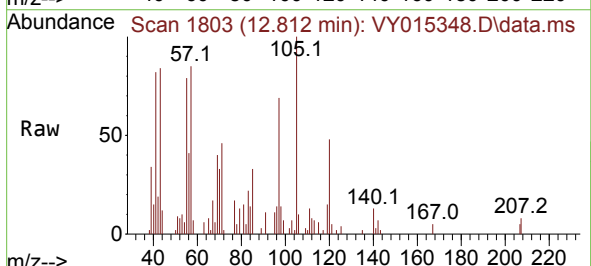
Instrument :
MSVOA_Y
ClientSampleId :

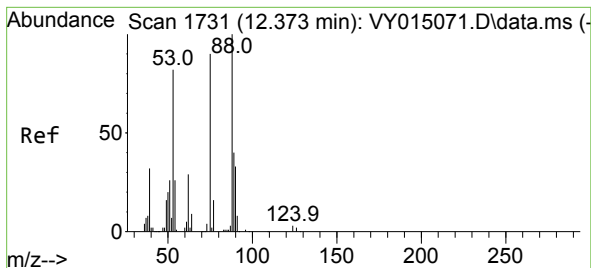
Tgt Ion: 75 Resp: 12566
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 3.466 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY015348.D
Acq: 25 Aug 2023 17:26

Tgt Ion:105 Resp: 4384
Ion Ratio Lower Upper
105 100
120 45.1 23.9 71.7

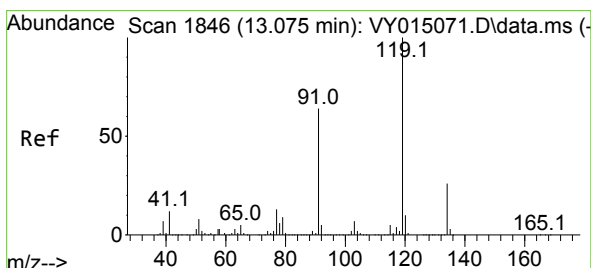
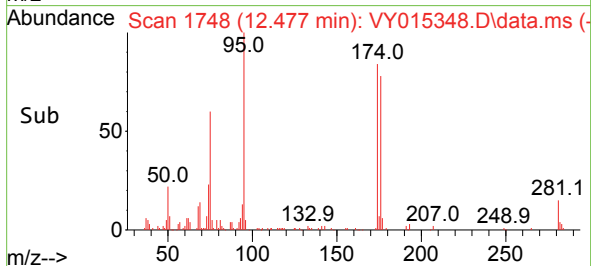
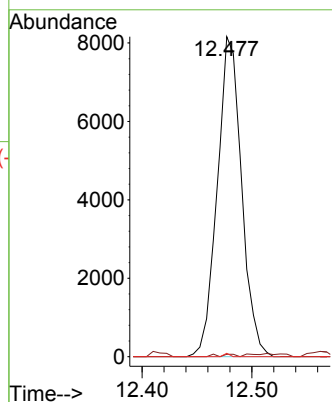
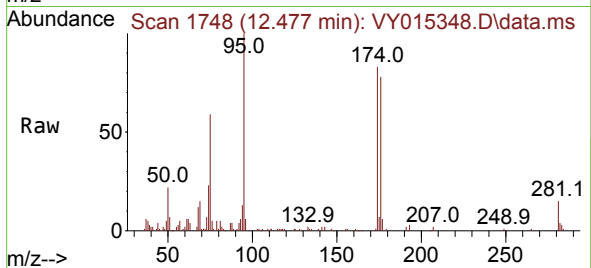




#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.264 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY015348.D
 Acq: 25 Aug 2023 17:26

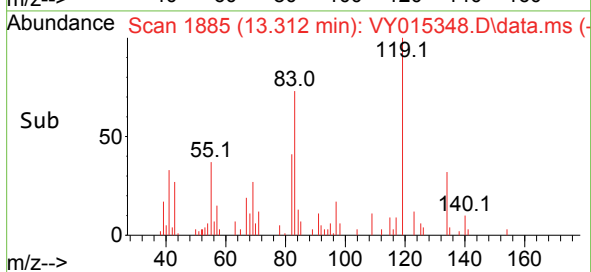
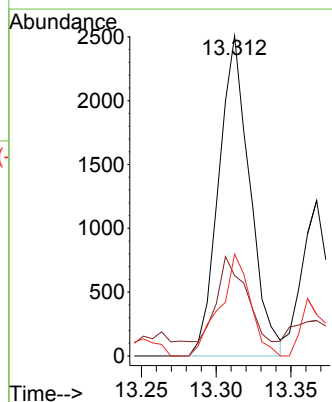
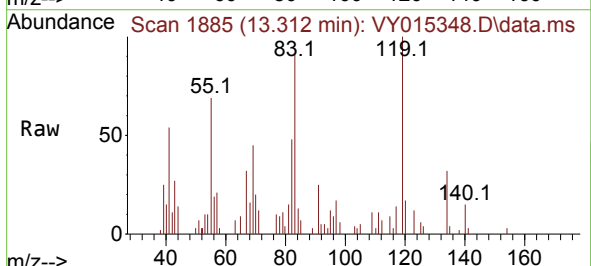
Instrument :
 MSVOA_Y
 ClientSampleId :

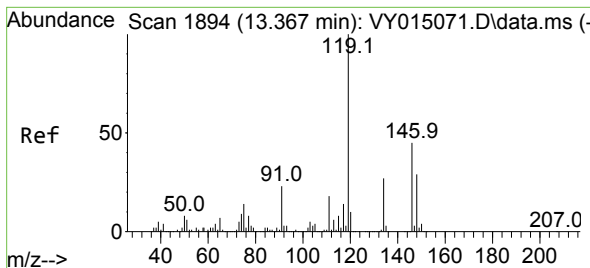
Tgt Ion: 75 Resp: 12566
 Ion Ratio Lower Upper
 75 100
 53 0.5 77.8 116.8#
 89 0.2 37.4 56.0#



#83
 tert-Butylbenzene
 Concen: 3.142 ug/l
 RT: 13.312 min Scan# 1885
 Delta R.T. 0.238 min
 Lab File: VY015348.D
 Acq: 25 Aug 2023 17:26

Tgt Ion: 119 Resp: 3635
 Ion Ratio Lower Upper
 119 100
 91 23.9 32.9 98.6#
 134 31.0 13.0 38.9





#86

p-Isopropyltoluene

Concen: 1.219 ug/l

RT: 13.367 min Scan# 119

Delta R.T. 0.000 min

Lab File: VY015348.D

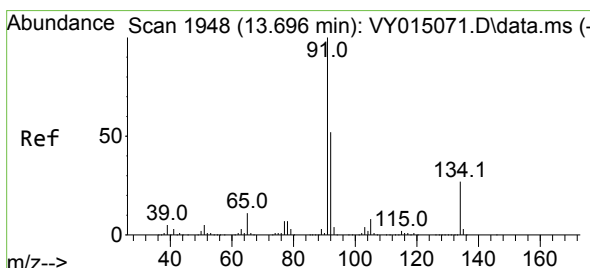
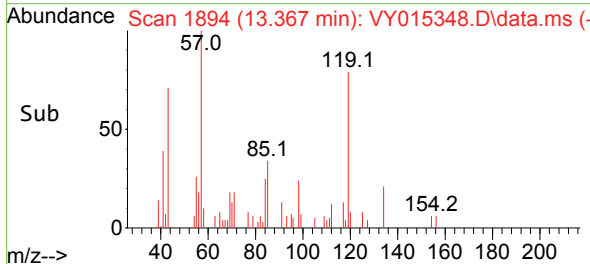
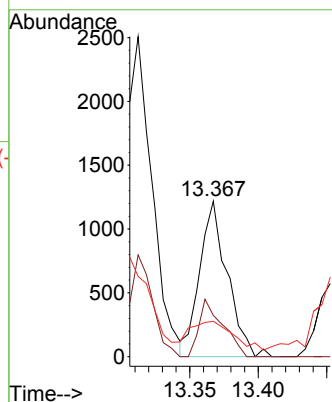
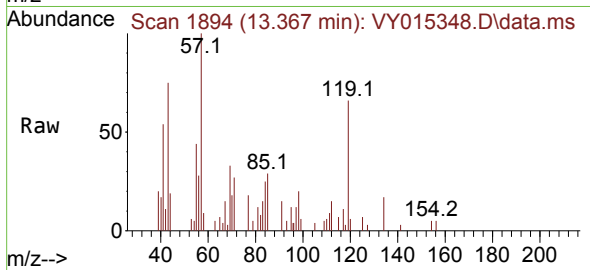
Acq: 25 Aug 2023 17:26

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:119	Resp:	1714
Ion	Ratio	Lower Upper
119	100	
134	31.6	13.3 39.8
91	29.2	12.4 37.4



#89

n-Butylbenzene

Concen: 1.437 ug/l

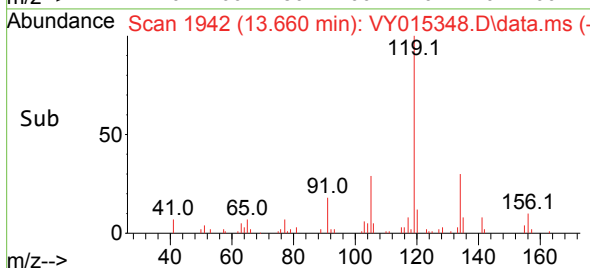
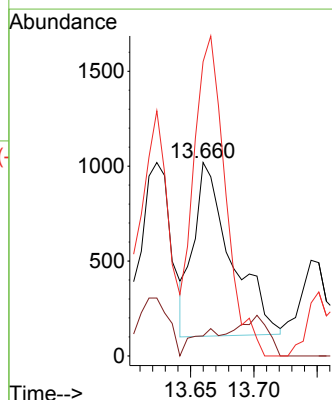
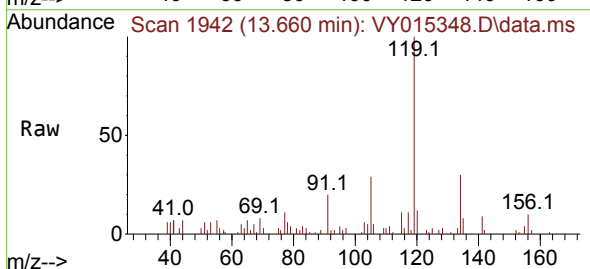
RT: 13.660 min Scan# 1942

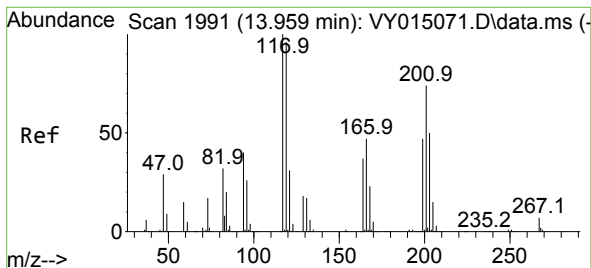
Delta R.T. -0.037 min

Lab File: VY015348.D

Acq: 25 Aug 2023 17:26

Tgt Ion: 91	Resp:	1904
Ion	Ratio	Lower Upper
91	100	
92	10.6	25.4 76.0#
134	153.6	12.6 37.6#





#90

Hexachloroethane

Concen: 3.511 ug/l

RT: 13.971 min Scan# 1991

Delta R.T. 0.012 min

Lab File: VY015348.D

Acq: 25 Aug 2023 17:26

Instrument :

MSVOA_Y

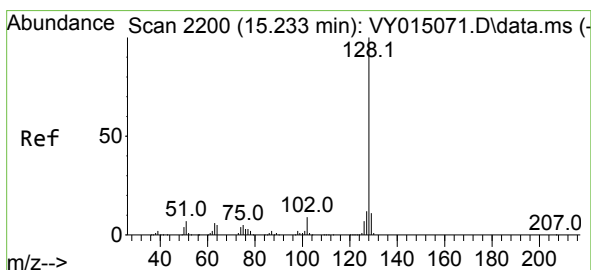
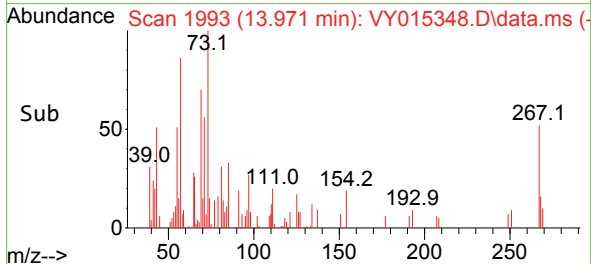
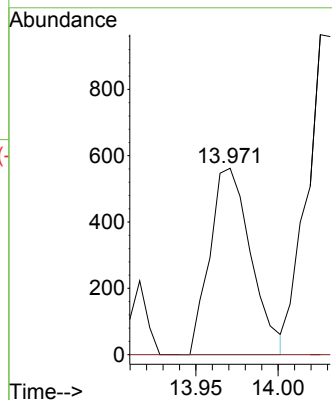
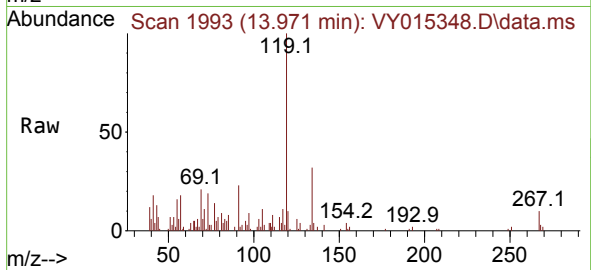
ClientSampleId :

Tgt Ion:117 Resp: 979

Ion Ratio Lower Upper

117 100

201 0.0 41.6 124.8#



#95

Naphthalene

Concen: 22.580 ug/l

RT: 15.233 min Scan# 2200

Delta R.T. 0.000 min

Lab File: VY015348.D

Acq: 25 Aug 2023 17:26

Tgt Ion:128 Resp: 24751

Ion Ratio Lower Upper

128 100

127 13.1 10.8 16.2

129 12.3 8.6 13.0

