

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081523\
 Data File : VY015123.D
 Acq On : 15 Aug 2023 23:45
 Operator : SY/MD
 Sample : 03956-01
 Misc : 5.26g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 16 04:24:53 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)

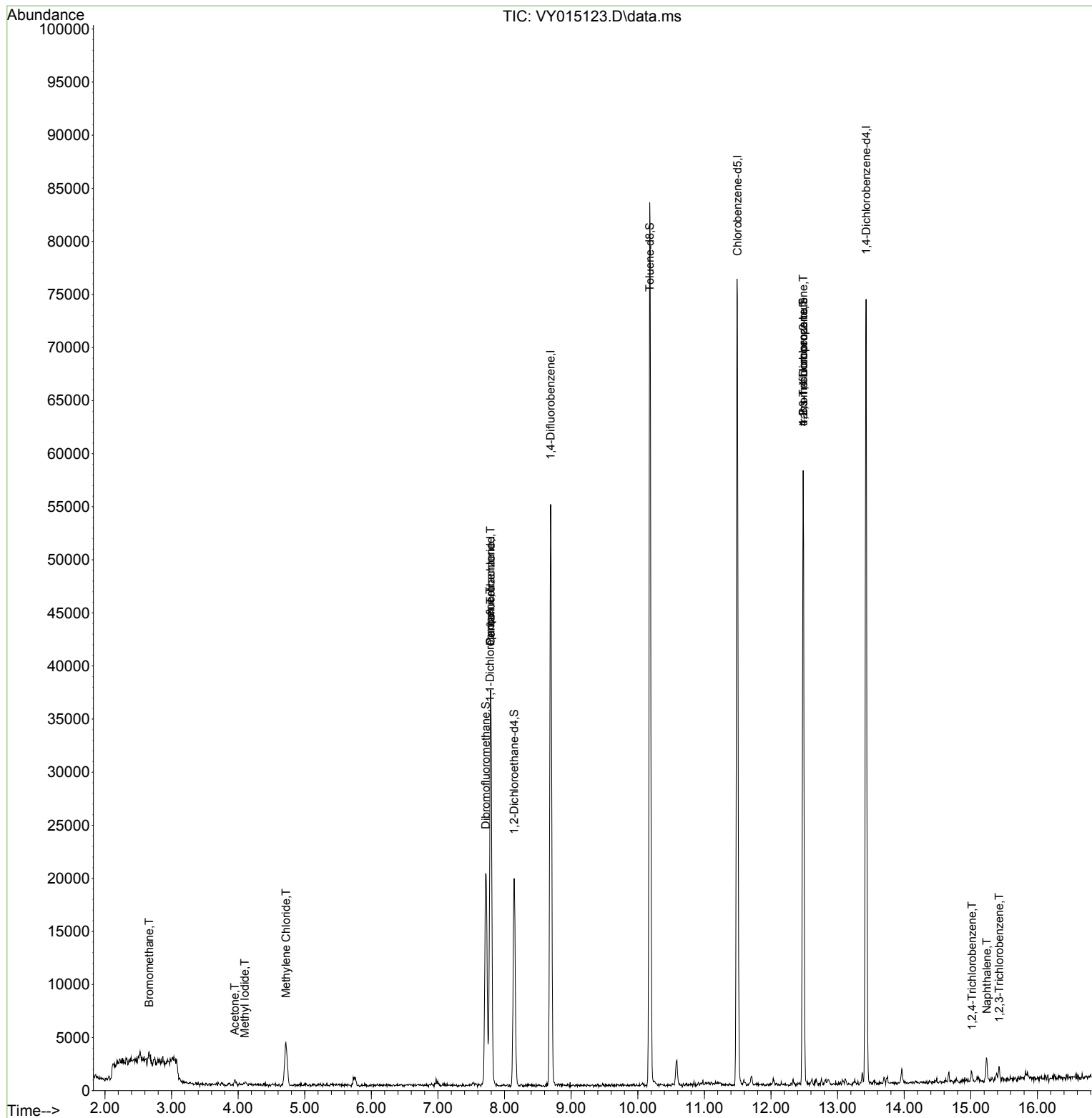
Internal Standards						
1) Pentafluorobenzene	7.789	168	29686	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	47672	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	43125	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	18720	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	15446	43.345	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	86.680%
35) Dibromofluoromethane	7.716	113	14886	48.538	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.080%
50) Toluene-d8	10.179	98	55535	48.643	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.280%
62) 4-Bromofluorobenzene	12.483	95	17232	41.324	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.640%
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	367	Below Cal	#	87
5) Bromomethane	2.662	94	537	1.907	ug/l #	75
10) Methyl Iodide	4.101	142	582	2.396	ug/l #	59
16) Acetone	3.948	43	381	3.273	ug/l	89
20) Methylene Chloride	4.716	84	3089	7.385	ug/l #	77
31) Cyclohexane	7.789	56	663	Below Cal	#	36
36) 1,1-Dichloropropene	7.783	75	2215	6.528	ug/l #	50
38) Carbon Tetrachloride	7.789	117	2867	7.140	ug/l #	12
76) 1,2,3-Trichloropropane	12.483	75	9514	41.832	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	9514	91.883	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.019	180	423	1.212	ug/l #	85
95) Naphthalene	15.239	128	2048	2.355	ug/l	96
96) 1,2,3-Trichlorobenzene	15.428	180	549	1.742	ug/l	90

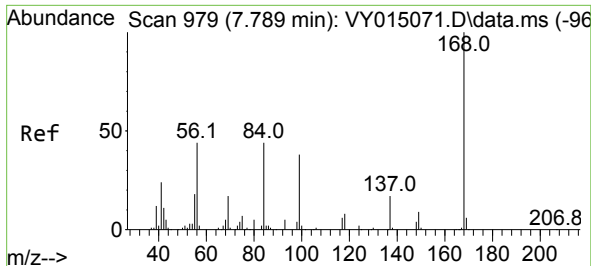
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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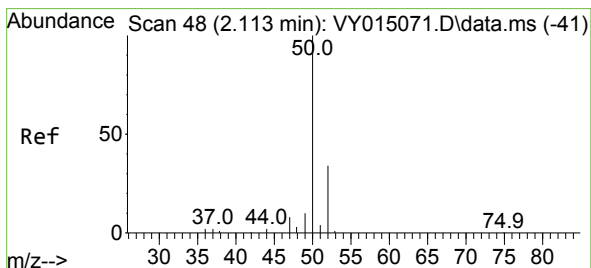
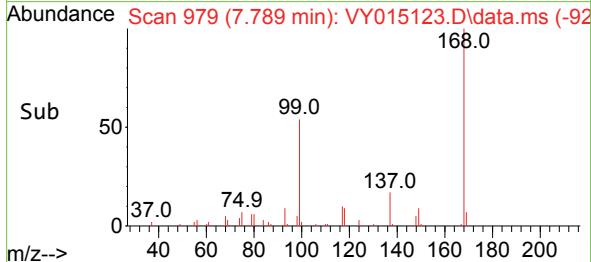
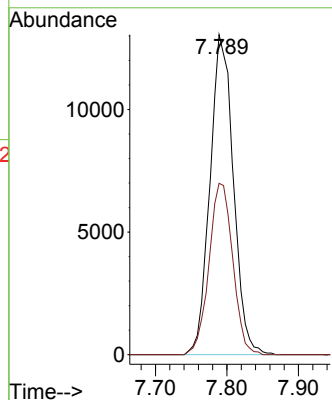
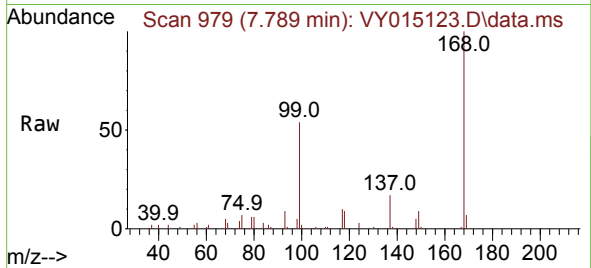




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015123.D
Acq: 15 Aug 2023 23:45

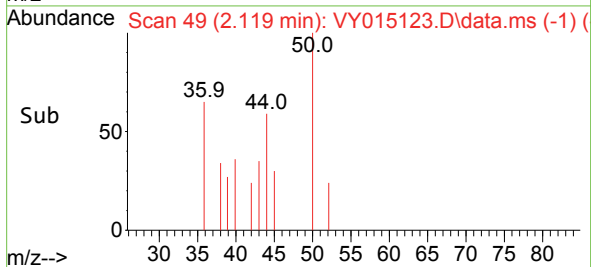
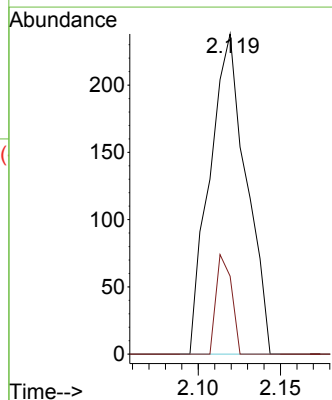
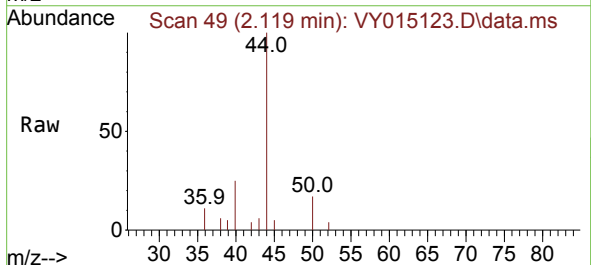
Instrument :
MSVOA_Y
ClientSampleId :

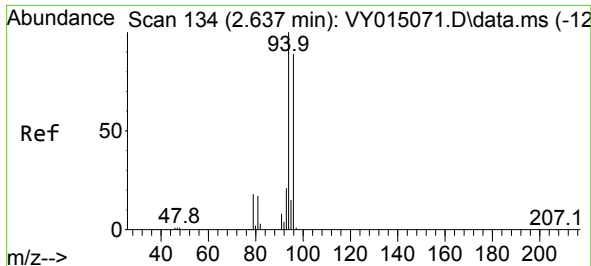
Tgt Ion:168 Resp: 29686
Ion Ratio Lower Upper
168 100
99 53.5 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.012 min
Lab File: VY015123.D
Acq: 15 Aug 2023 23:45

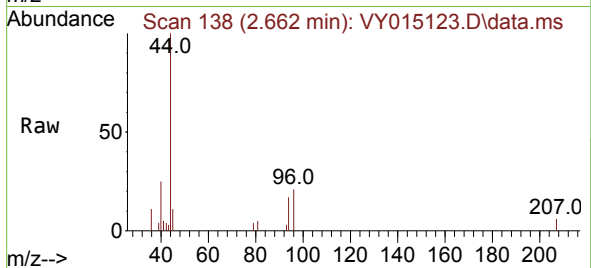
Tgt Ion: 50 Resp: 367
Ion Ratio Lower Upper
50 100
52 24.4 25.4 38.2#



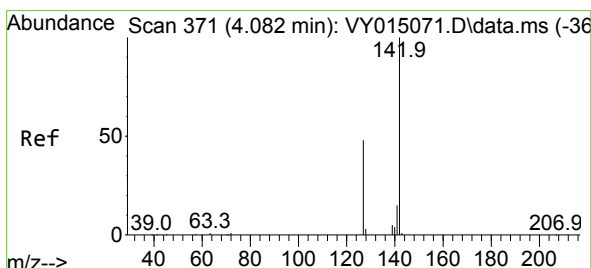
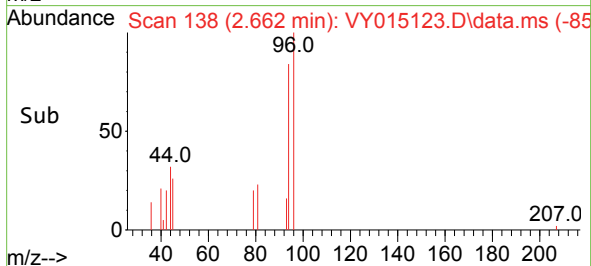
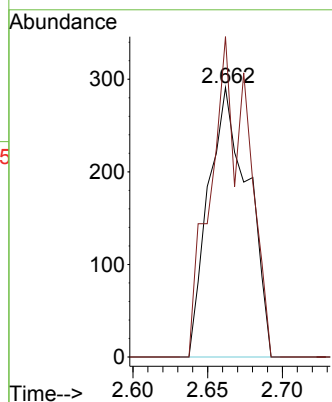


#5
Bromomethane
Concen: 1.907 ug/l
RT: 2.662 min Scan# 11
Delta R.T. 0.025 min
Lab File: VY015123.D
Acq: 15 Aug 2023 23:45

Instrument :
MSVOA_Y
ClientSampleId :

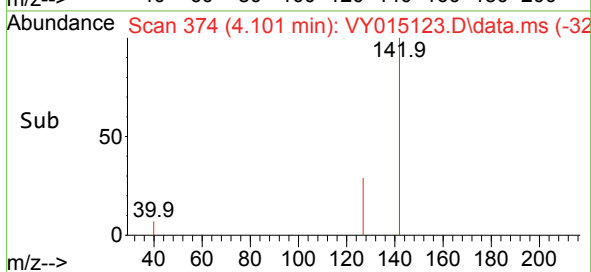
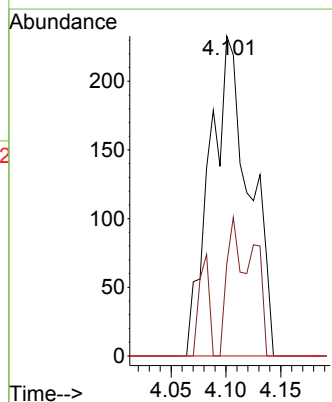
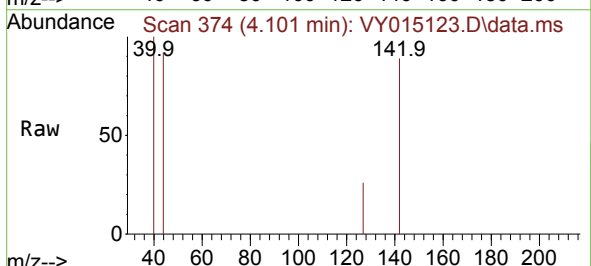


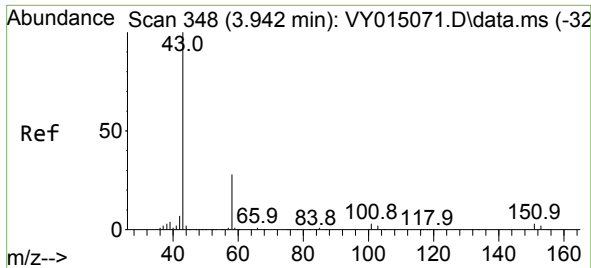
Tgt Ion: 94 Resp: 537
Ion Ratio Lower Upper
94 100
96 118.9 75.8 113.6#



#10
Methyl Iodide
Concen: 2.396 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.018 min
Lab File: VY015123.D
Acq: 15 Aug 2023 23:45

Tgt Ion: 142 Resp: 582
Ion Ratio Lower Upper
142 100
127 18.2 37.6 56.4#
141 0.0 11.8 17.8#





#16

Acetone

Concen: 3.273 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY015123.D

Acq: 15 Aug 2023 23:45

Instrument :

MSVOA_Y

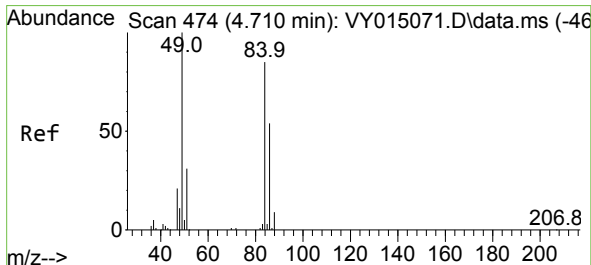
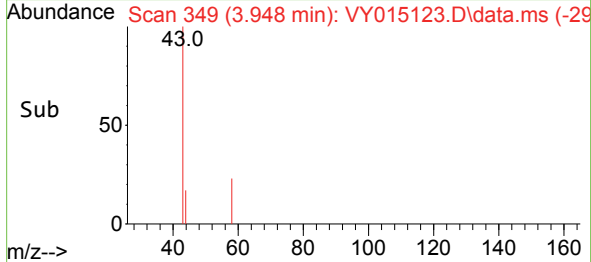
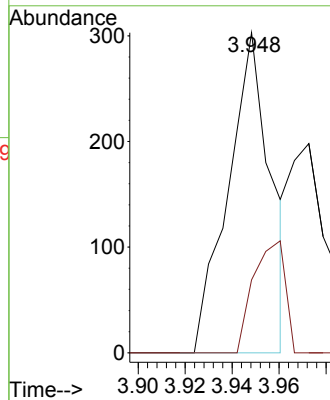
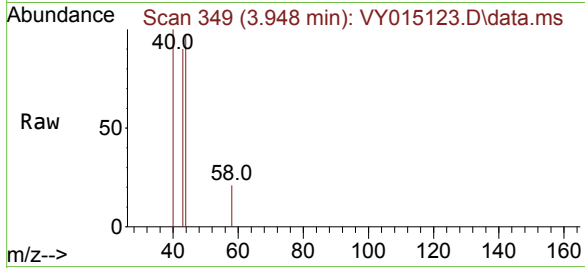
ClientSampleId :

Tgt Ion: 43 Resp: 381

Ion Ratio Lower Upper

43 100

58 22.8 22.7 34.1



#20

Methylene Chloride

Concen: 7.385 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.006 min

Lab File: VY015123.D

Acq: 15 Aug 2023 23:45

Tgt Ion: 84 Resp: 3089

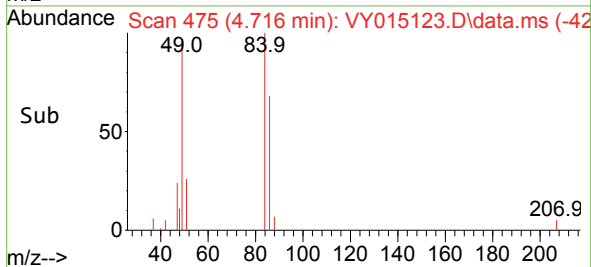
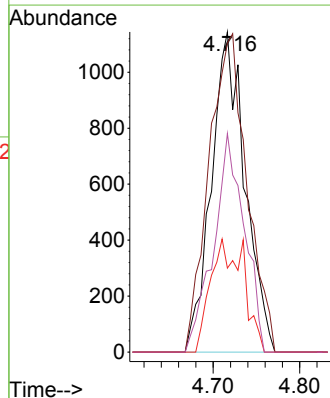
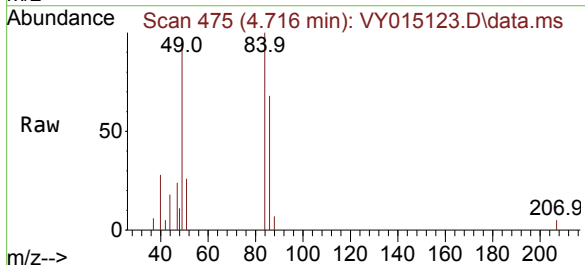
Ion Ratio Lower Upper

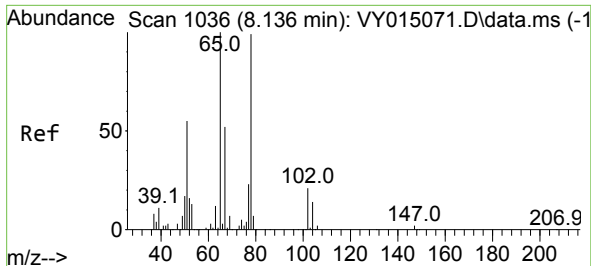
84 100

49 96.5 106.9 160.3#

51 26.2 33.2 49.8#

86 68.3 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 43.345 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VY015123.D

Acq: 15 Aug 2023 23:45

Instrument :

MSVOA_Y

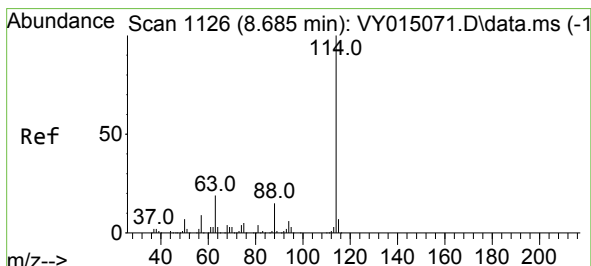
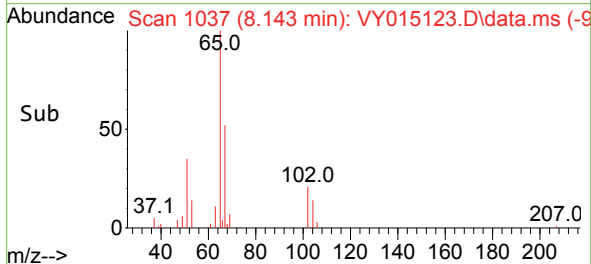
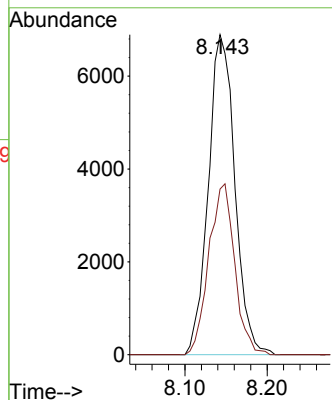
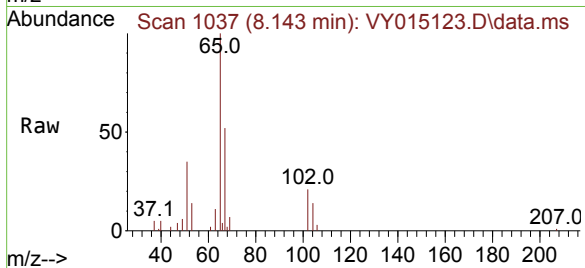
ClientSampleId :

Tgt Ion: 65 Resp: 15446

Ion Ratio Lower Upper

65 100

67 52.1 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: VY015123.D

Acq: 15 Aug 2023 23:45

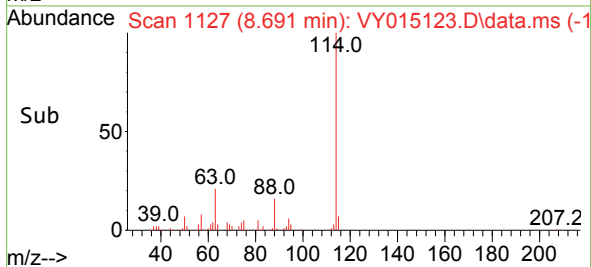
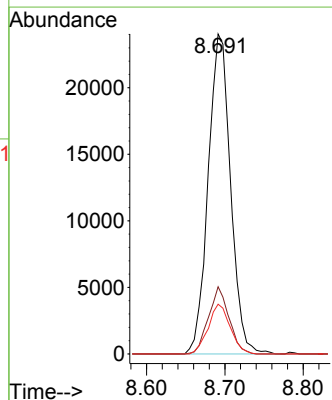
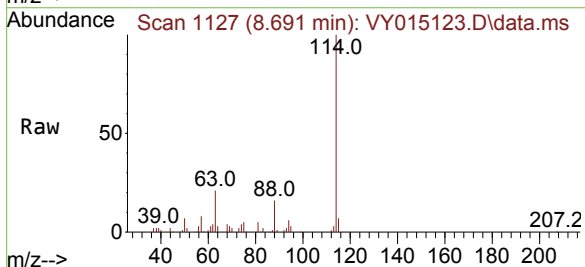
Tgt Ion: 114 Resp: 47672

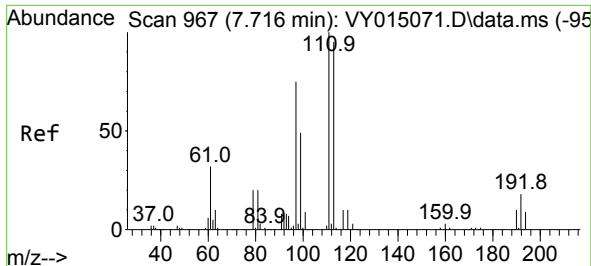
Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.4

88 15.6 0.0 30.6

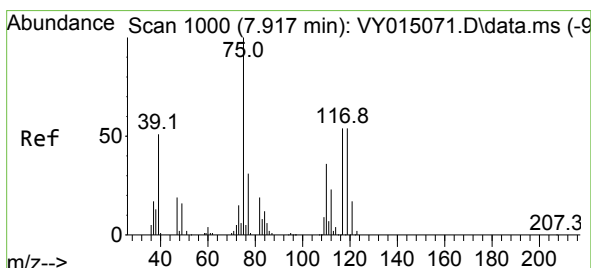
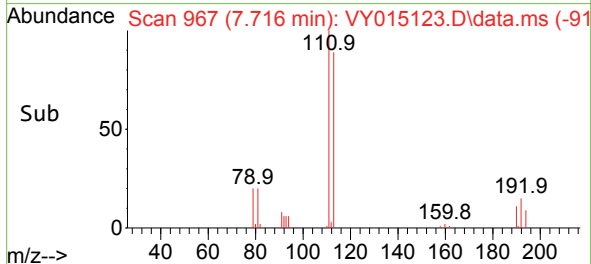
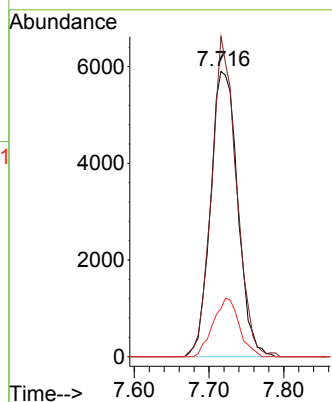
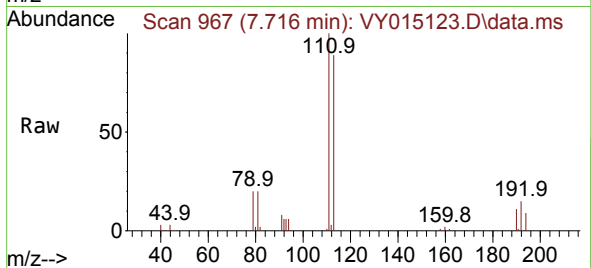




#35
Dibromofluoromethane
Concen: 48.538 ug/l
RT: 7.716 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY015123.D
Acq: 15 Aug 2023 23:45

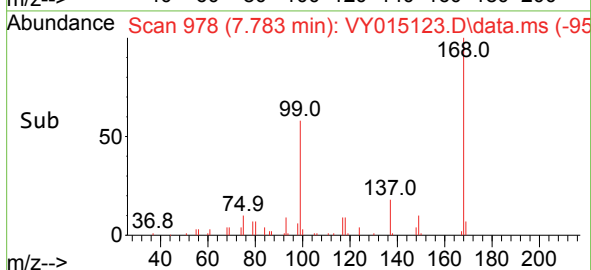
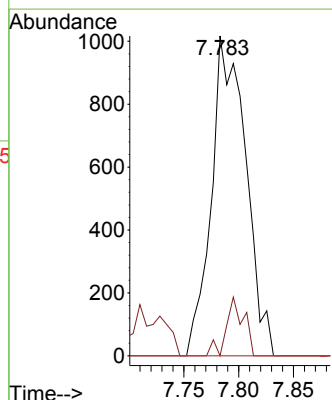
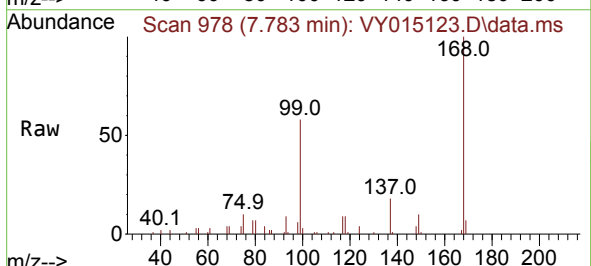
Instrument :
MSVOA_Y
ClientSampleId :

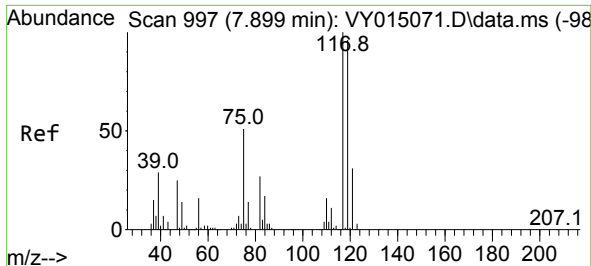
Tgt Ion:113 Resp: 14886
Ion Ratio Lower Upper
113 100
111 102.8 81.3 121.9
192 19.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 6.528 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015123.D
Acq: 15 Aug 2023 23:45

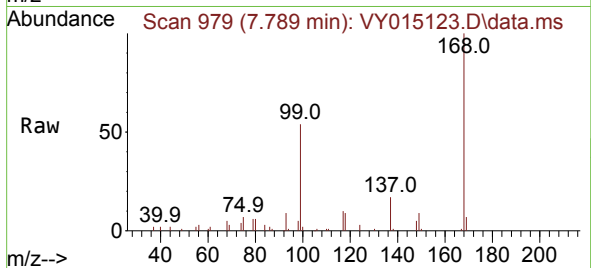
Tgt Ion: 75 Resp: 2215
Ion Ratio Lower Upper
75 100
110 9.5 17.8 53.5#
77 0.0 24.4 36.6#



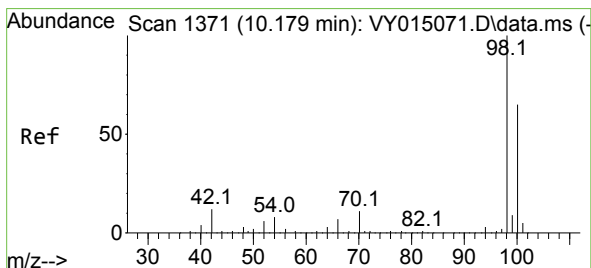
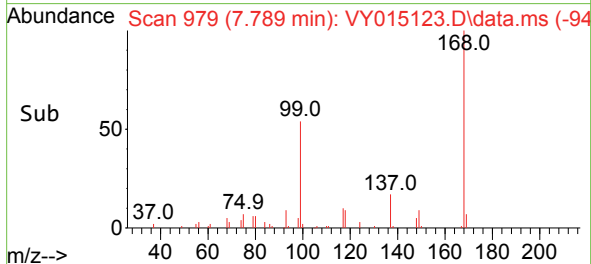
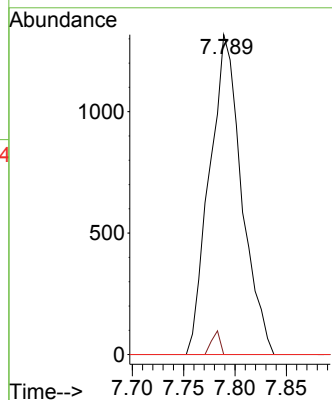


#38
Carbon Tetrachloride
Concen: 7.140 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015123.D
Acq: 15 Aug 2023 23:45

Instrument :
MSVOA_Y
ClientSampleId :

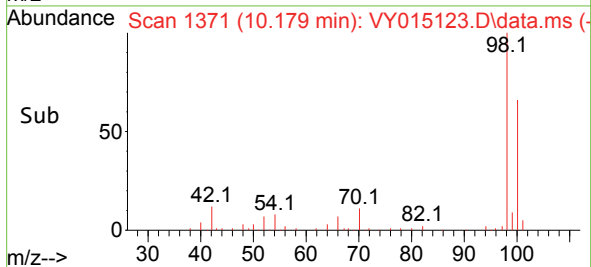
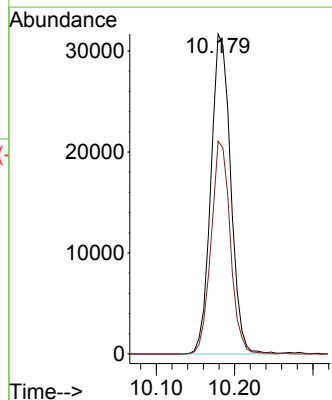
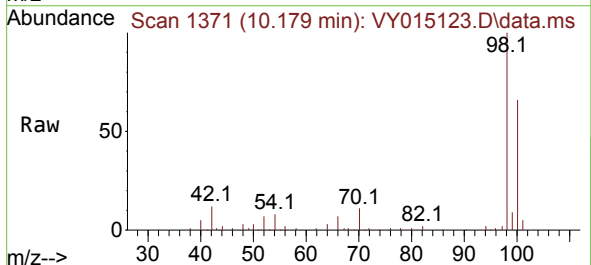


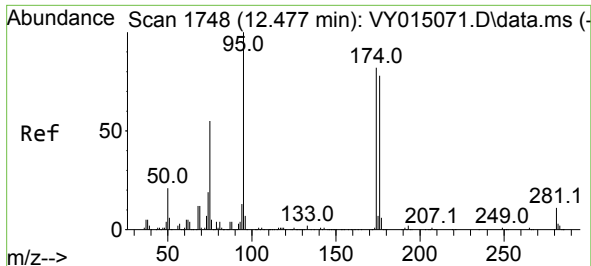
Tgt Ion:117 Resp: 2867
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 48.643 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015123.D
Acq: 15 Aug 2023 23:45

Tgt Ion: 98 Resp: 55535
Ion Ratio Lower Upper
98 100
100 64.6 50.1 75.1

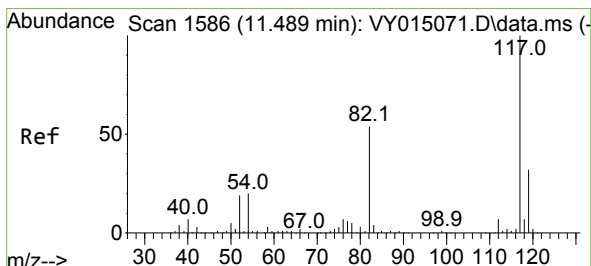
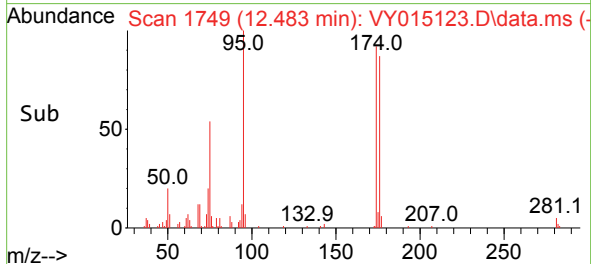
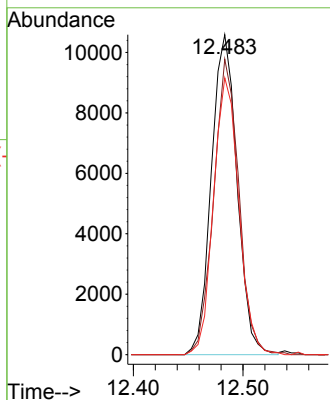
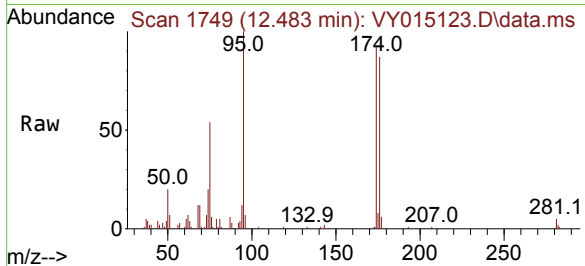




#62
4-Bromofluorobenzene
Concen: 41.324 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015123.D
Acq: 15 Aug 2023 23:45

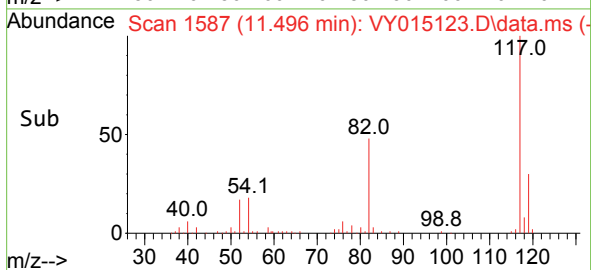
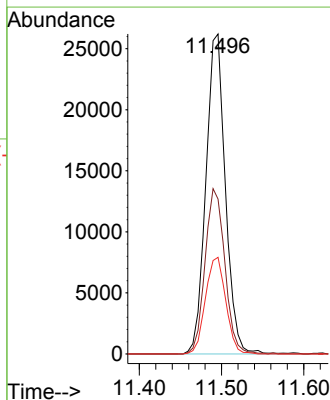
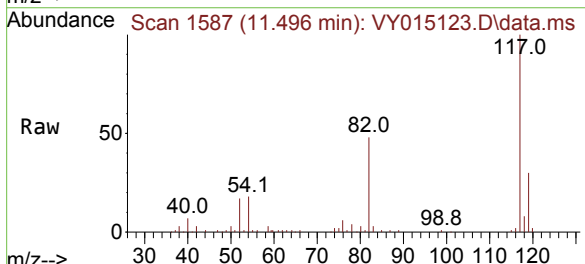
Instrument :
MSVOA_Y
ClientSampleId :

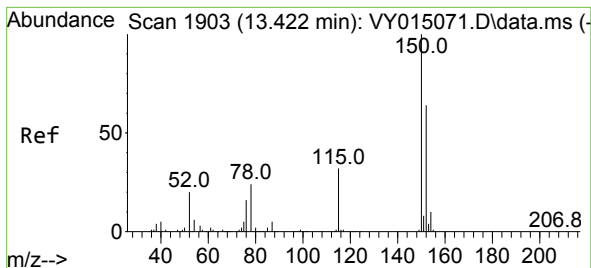
Tgt Ion: 95 Resp: 17232
Ion Ratio Lower Upper
95 100
174 90.4 0.0 178.2
176 85.5 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY015123.D
Acq: 15 Aug 2023 23:45

Tgt Ion: 117 Resp: 43125
Ion Ratio Lower Upper
117 100
82 48.4 43.4 65.0
119 30.2 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

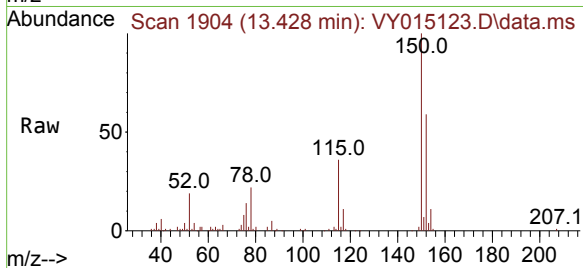
Lab File: VY015123.D

Acq: 15 Aug 2023 23:45

Instrument :

MSVOA_Y

ClientSampleId :



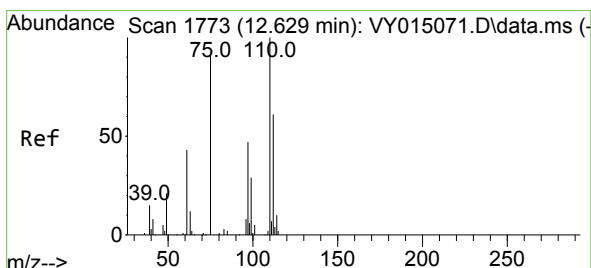
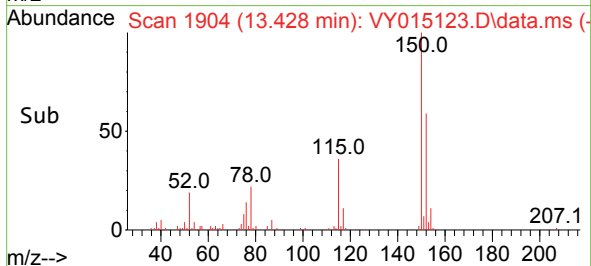
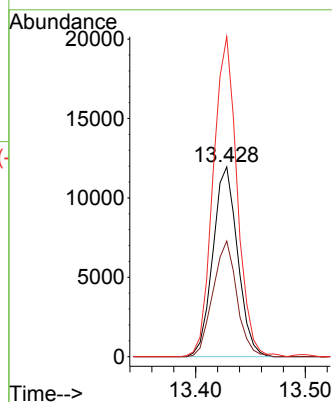
Tgt Ion:152 Resp: 18720

Ion Ratio Lower Upper

152 100

115 59.2 28.8 86.5

150 163.5 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 41.832 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY015123.D

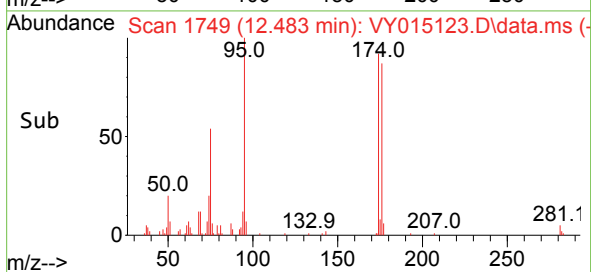
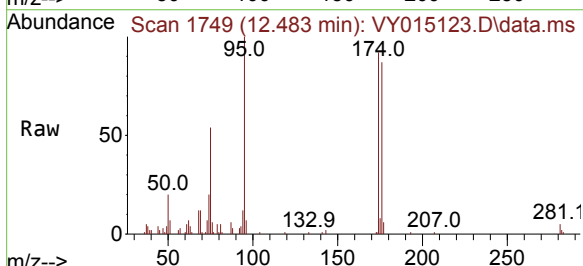
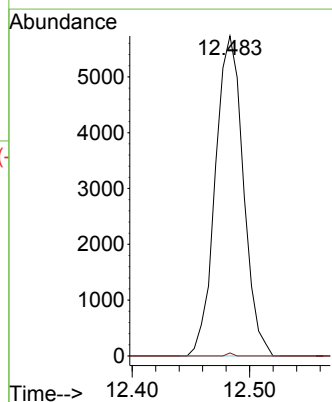
Acq: 15 Aug 2023 23:45

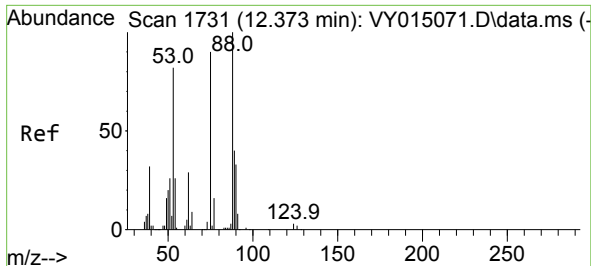
Tgt Ion: 75 Resp: 9514

Ion Ratio Lower Upper

75 100

77 0.2 0.0 0.0#

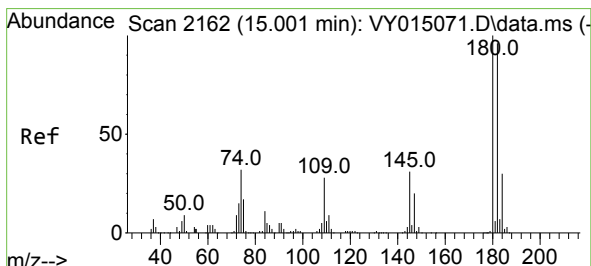
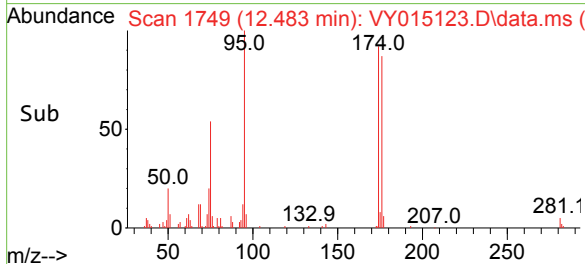
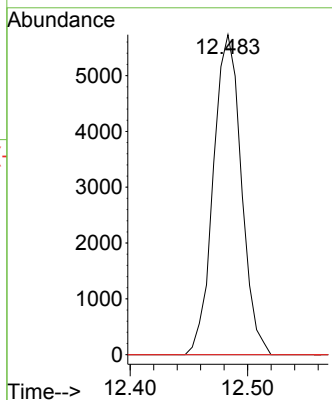
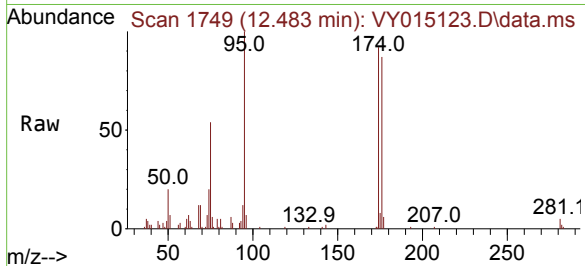




#81
trans-1,4-Dichloro-2-butene
Concen: 91.883 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY015123.D
Acq: 15 Aug 2023 23:45

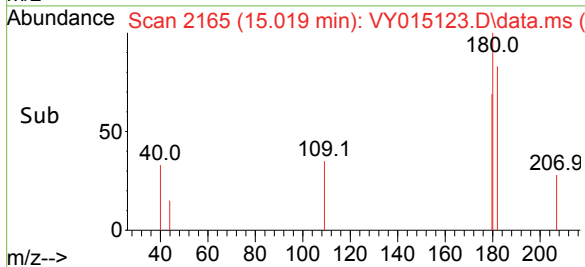
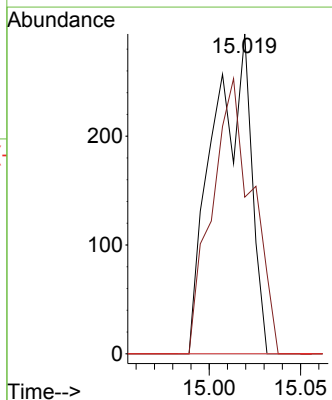
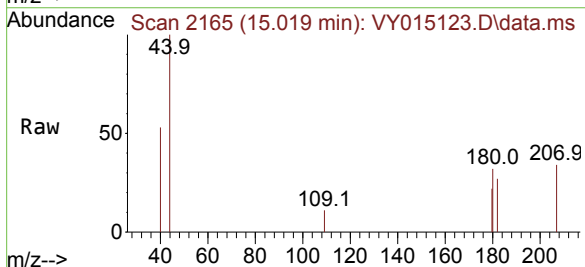
Instrument :
MSVOA_Y
ClientSampleId :

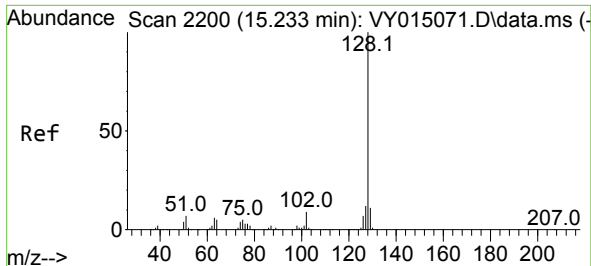
Tgt Ion: 75 Resp: 9514
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#93
1,2,4-Trichlorobenzene
Concen: 1.212 ug/l
RT: 15.019 min Scan# 2165
Delta R.T. 0.012 min
Lab File: VY015123.D
Acq: 15 Aug 2023 23:45

Tgt Ion:180 Resp: 423
Ion Ratio Lower Upper
180 100
182 91.5 47.0 141.2
145 0.0 14.5 43.5#

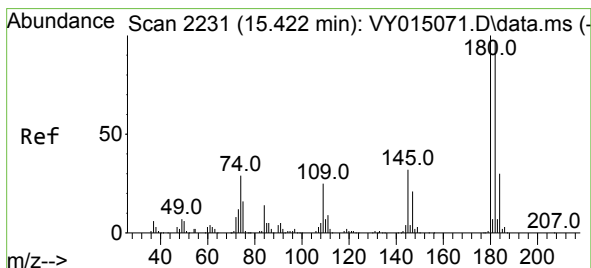
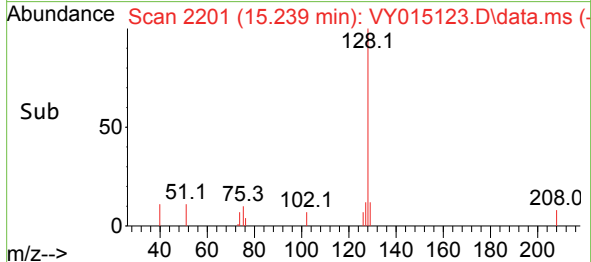
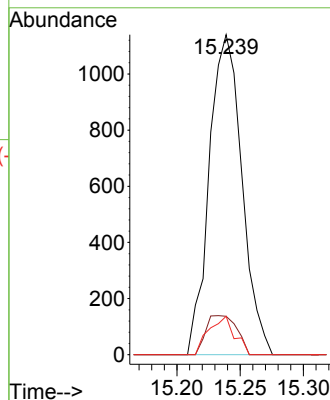
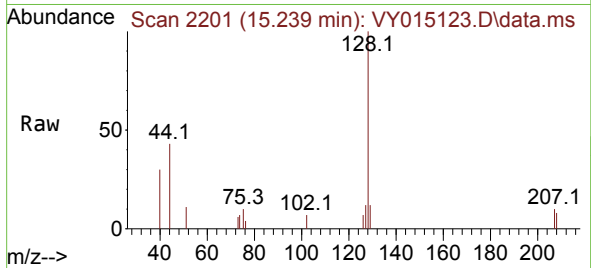




#95
Naphthalene
Concen: 2.355 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY015123.D
Acq: 15 Aug 2023 23:45

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:128	Resp:	2048
Ion Ratio	Lower	Upper
128	100	
127	11.6	10.8 16.2
129	9.5	8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 1.742 ug/l
RT: 15.428 min Scan# 2232
Delta R.T. 0.006 min
Lab File: VY015123.D
Acq: 15 Aug 2023 23:45

Tgt Ion:180	Resp:	549
Ion Ratio	Lower	Upper
180	100	
182	87.8	47.3 141.8
145	19.1	15.4 46.2

