

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082323\
 Data File : VY015298.D
 Acq On : 23 Aug 2023 22:04
 Operator : SY/MD
 Sample : 04112-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 24 02:38:34 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)

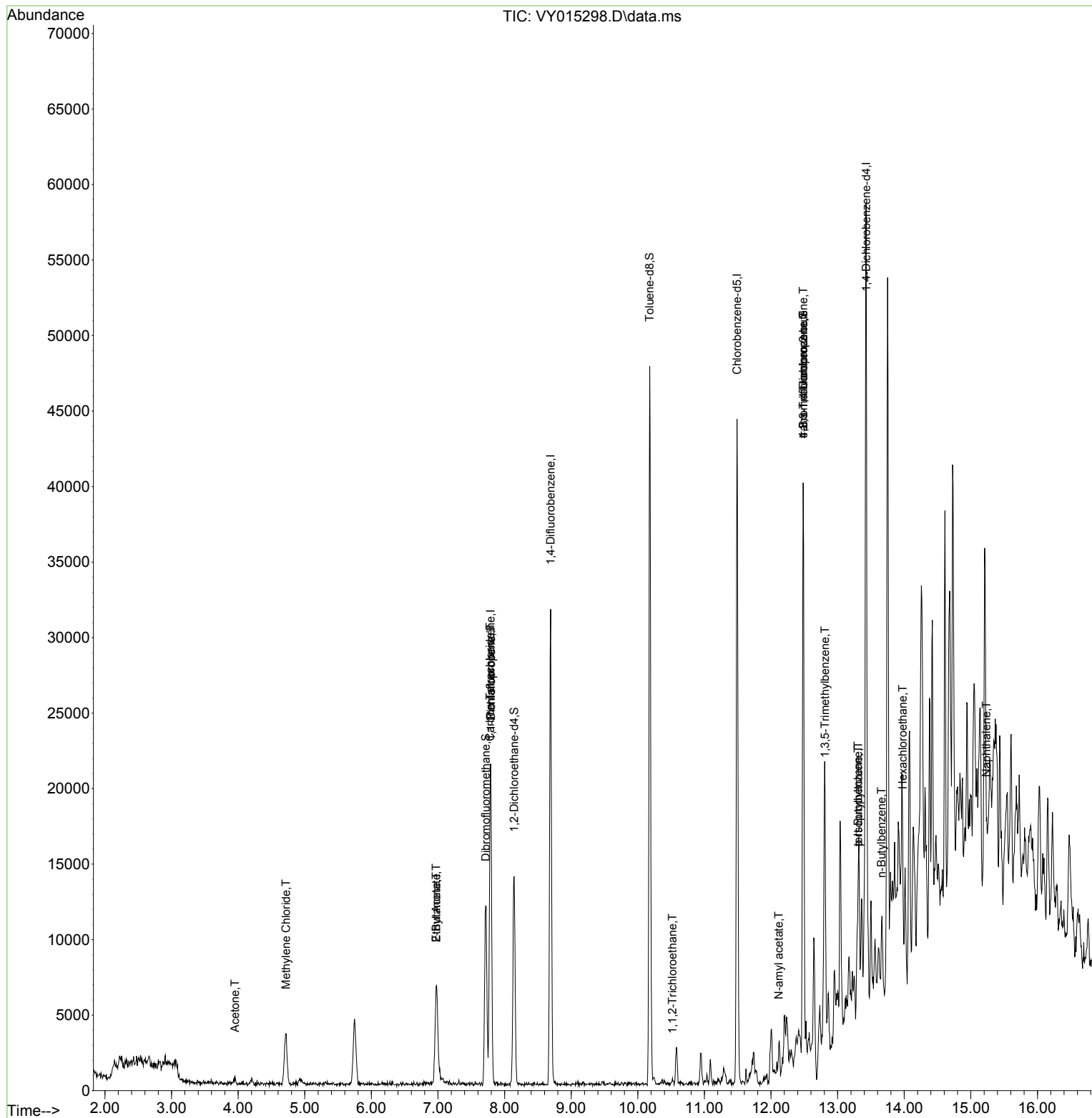
Internal Standards						
1) Pentafluorobenzene	7.789	168	16773	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	26509	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	23931	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	12372	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	10898	54.126	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.260%	
35) Dibromofluoromethane	7.716	113	8545	50.105	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.220%	
50) Toluene-d8	10.179	98	30944	48.742	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.480%	
62) 4-Bromofluorobenzene	12.483	95	10497	45.269	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 90.540%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	97	Below Cal	#	43
11) Tert butyl alcohol	4.924	59	514	Below Cal	#	89
16) Acetone	3.954	43	613	9.320	ug/l	90
20) Methylene Chloride	4.716	84	2642	13.608	ug/l	90
25) 2-Butanone	6.972	43	413	4.435	ug/l #	49
36) 1,1-Dichloropropene	7.795	75	1510	8.003	ug/l #	44
37) Ethyl Acetate	6.972	43	413	2.348	ug/l #	57
38) Carbon Tetrachloride	7.783	117	1696	7.595	ug/l #	12
55) 1,1,2-Trichloroethane	10.520	97	198	1.284	ug/l #	14
74) N-amyl acetate	12.117	43	657	2.287	ug/l #	64
76) 1,2,3-Trichloropropane	12.483	75	5879	39.112	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	1033	1.558	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.483	75	5879	85.910	ug/l #	11
83) tert-Butylbenzene	13.306	119	1372	2.262	ug/l	71
86) p-Isopropyltoluene	13.306	119	1372	1.862	ug/l	89
89) n-Butylbenzene	13.660	91	935	1.346	ug/l #	1
90) Hexachloroethane	13.977	117	297	2.032	ug/l #	8
95) Naphthalene	15.233	128	965	1.679	ug/l #	48

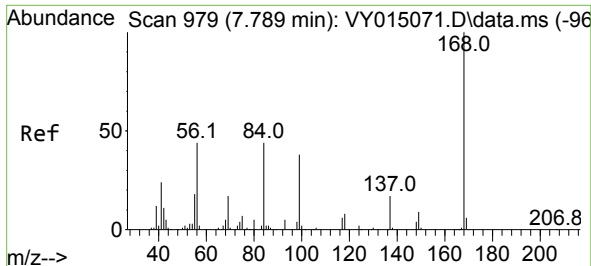
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

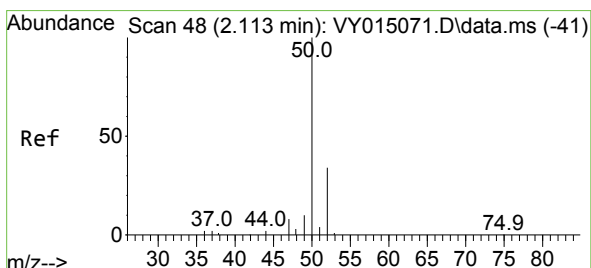
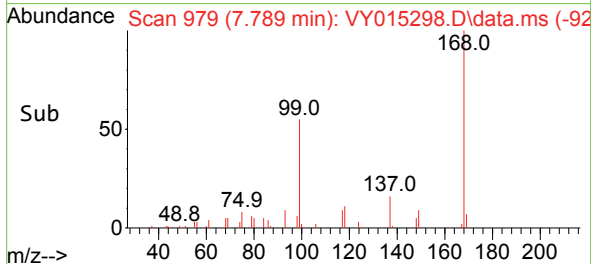
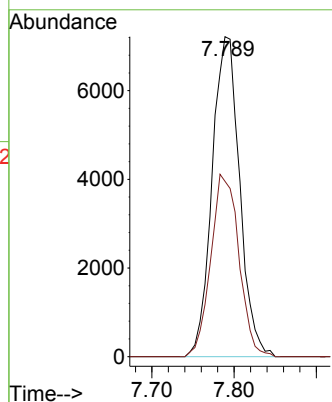
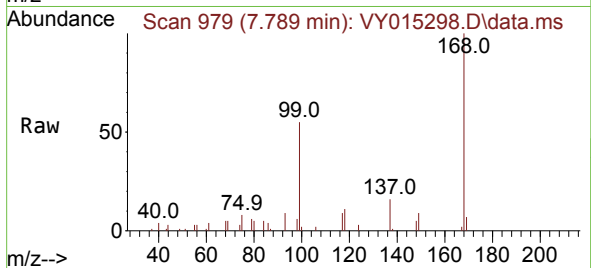




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015298.D
Acq: 23 Aug 2023 22:04

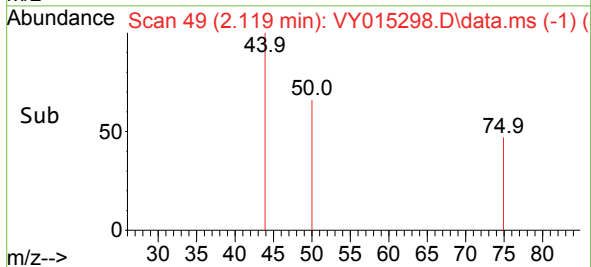
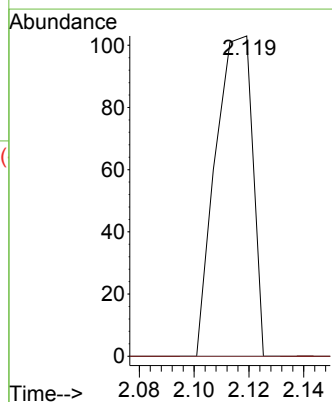
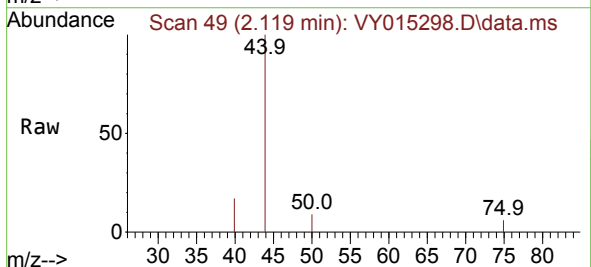
Instrument :
MSVOA_Y
ClientSampleId :

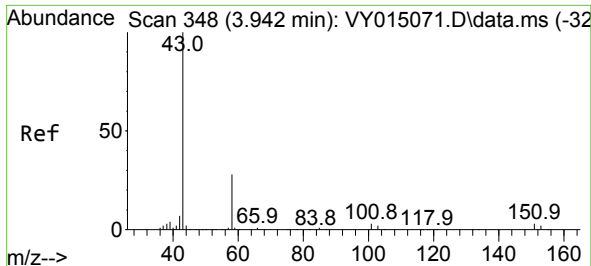
Tgt Ion:168 Resp: 16773
Ion Ratio Lower Upper
168 100
99 54.8 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.012 min
Lab File: VY015298.D
Acq: 23 Aug 2023 22:04

Tgt Ion: 50 Resp: 97
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

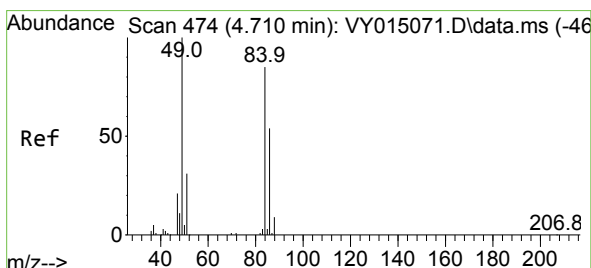
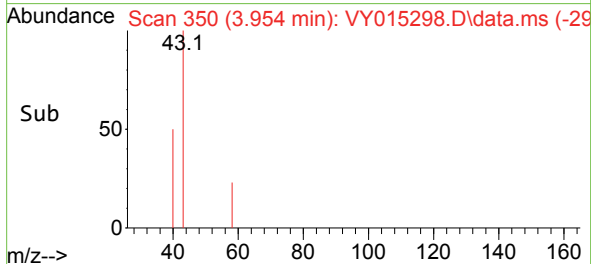
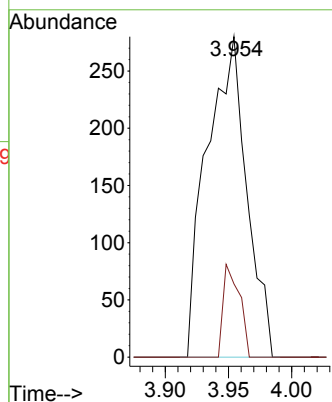
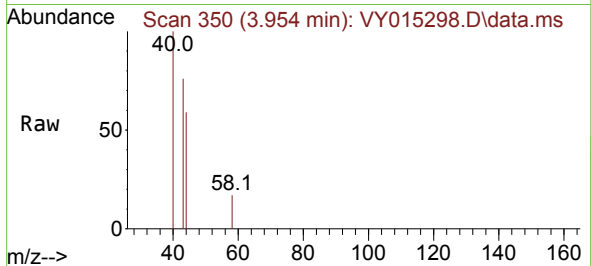




#16
Acetone
Concen: 9.320 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY015298.D
Acq: 23 Aug 2023 22:04

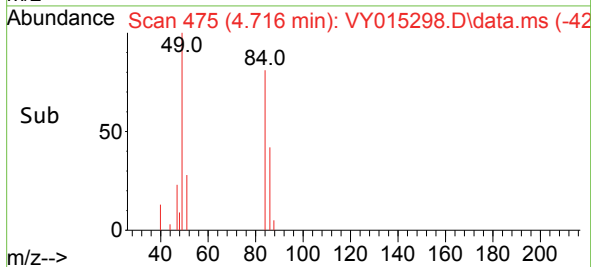
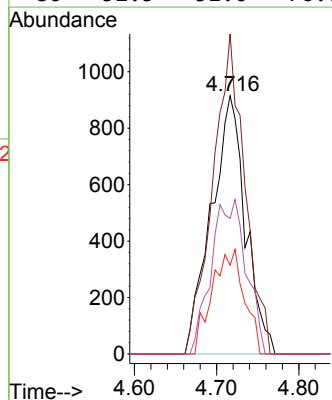
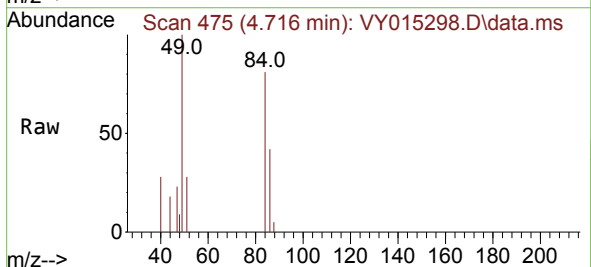
Instrument :
MSVOA_Y
ClientSampleId :

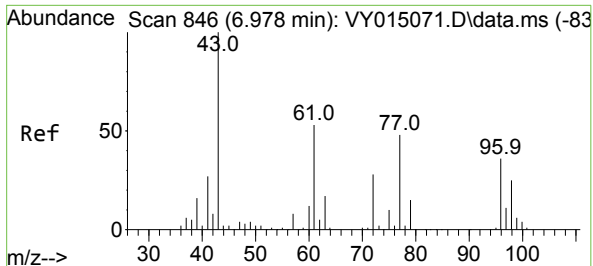
Tgt Ion: 43 Resp: 613
Ion Ratio Lower Upper
43 100
58 22.9 22.7 34.1



#20
Methylene Chloride
Concen: 13.608 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY015298.D
Acq: 23 Aug 2023 22:04

Tgt Ion: 84 Resp: 2642
Ion Ratio Lower Upper
84 100
49 123.9 106.9 160.3
51 34.3 33.2 49.8
86 52.5 51.0 76.6





#25

2-Butanone

Concen: 4.435 ug/l

RT: 6.972 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY015298.D

Acq: 23 Aug 2023 22:04

Instrument :

MSVOA_Y

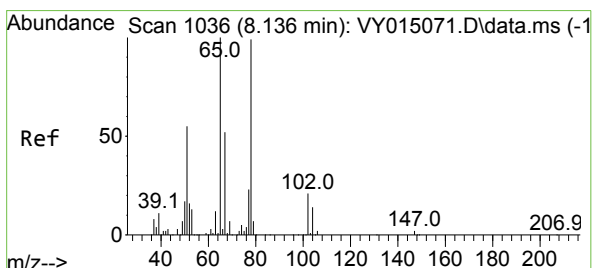
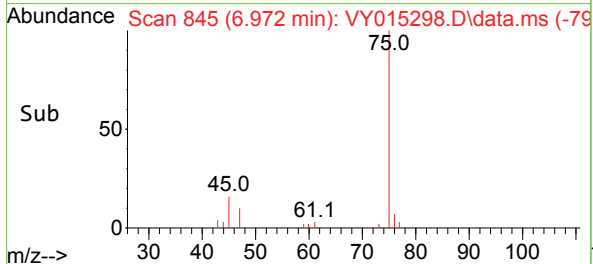
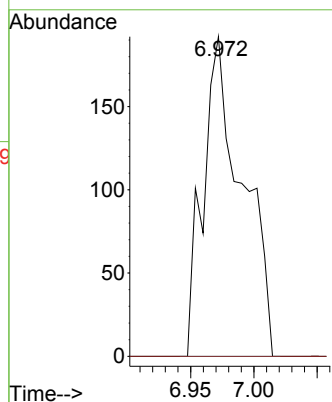
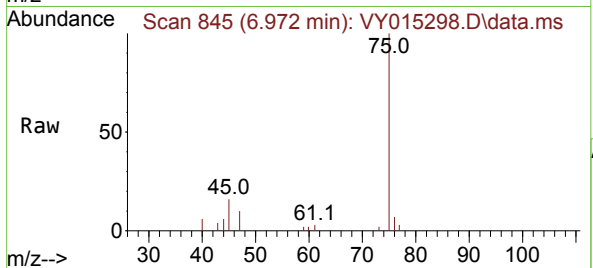
ClientSampleId :

Tgt Ion: 43 Resp: 413

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#



#33

1,2-Dichloroethane-d4

Concen: 54.126 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VY015298.D

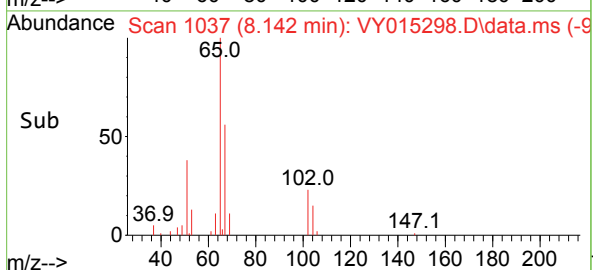
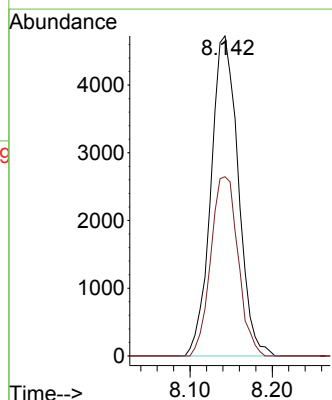
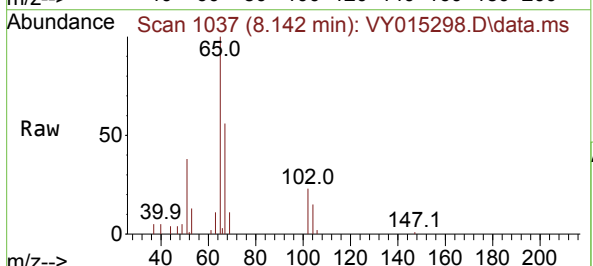
Acq: 23 Aug 2023 22:04

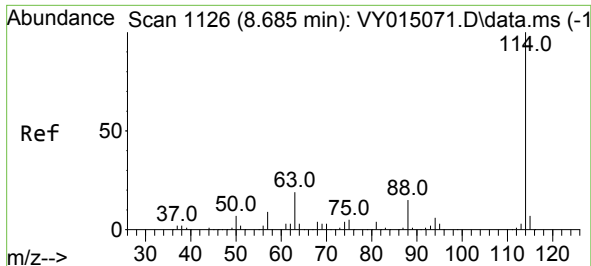
Tgt Ion: 65 Resp: 10898

Ion Ratio Lower Upper

65 100

67 56.0 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: VY015298.D

Acq: 23 Aug 2023 22:04

Instrument :

MSVOA_Y

ClientSampleId :

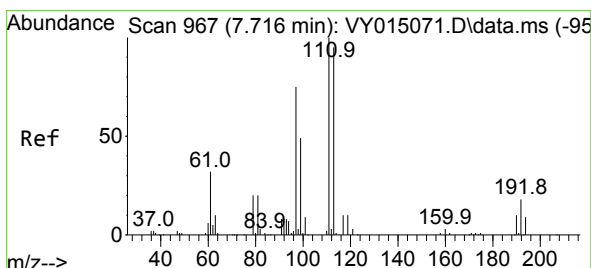
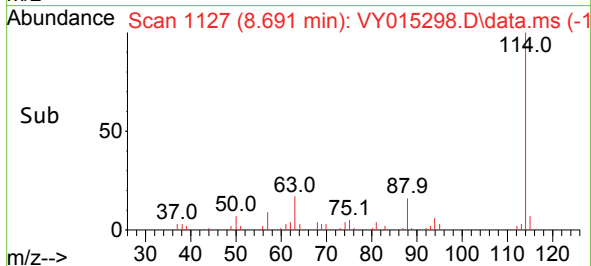
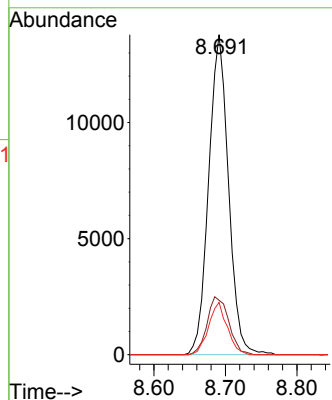
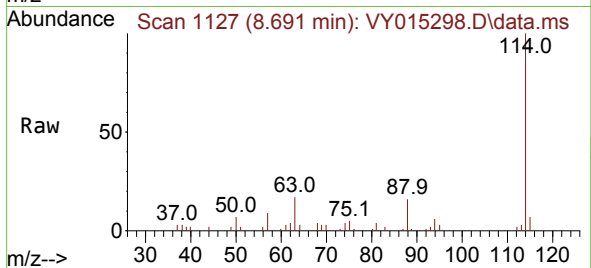
Tgt Ion:114 Resp: 26509

Ion Ratio Lower Upper

114 100

63 17.0 0.0 42.4

88 16.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.105 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY015298.D

Acq: 23 Aug 2023 22:04

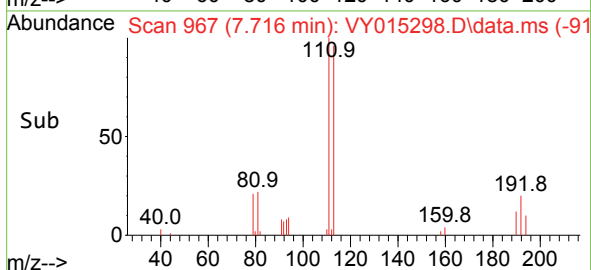
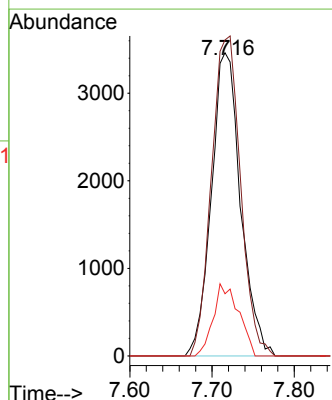
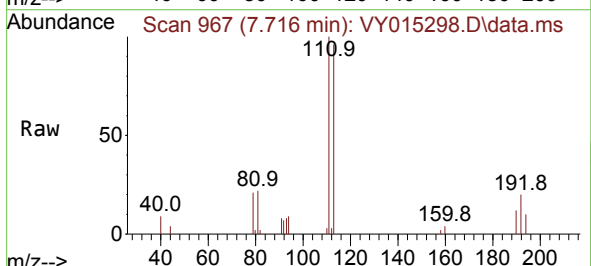
Tgt Ion:113 Resp: 8545

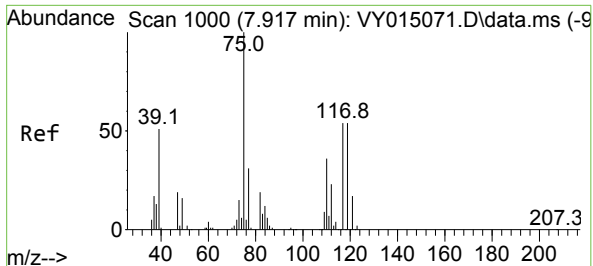
Ion Ratio Lower Upper

113 100

111 104.8 81.3 121.9

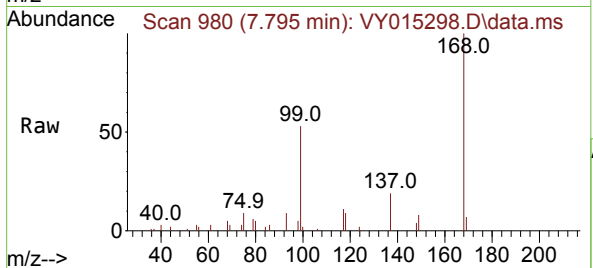
192 20.7 16.9 25.3



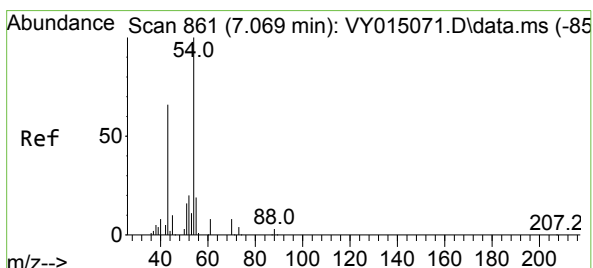
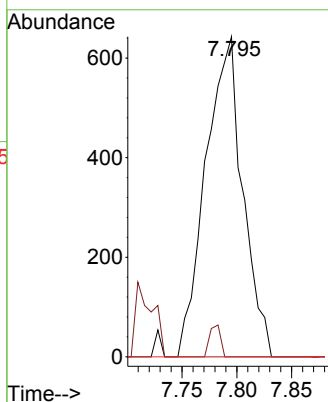
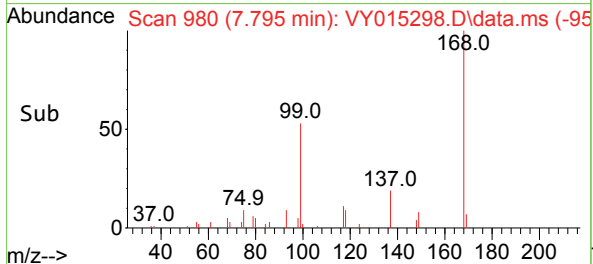


#36
1,1-Dichloropropene
Concen: 8.003 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY015298.D
Acq: 23 Aug 2023 22:04

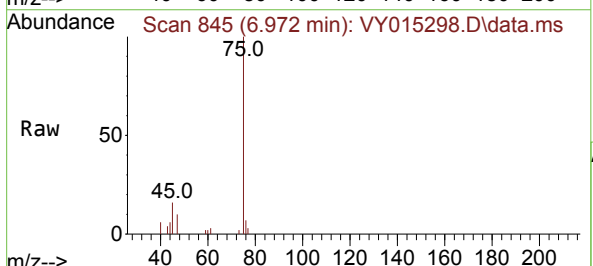
Instrument :
MSVOA_Y
ClientSampleId :



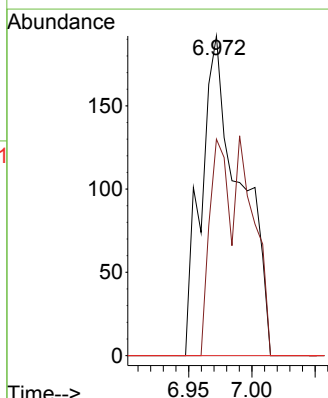
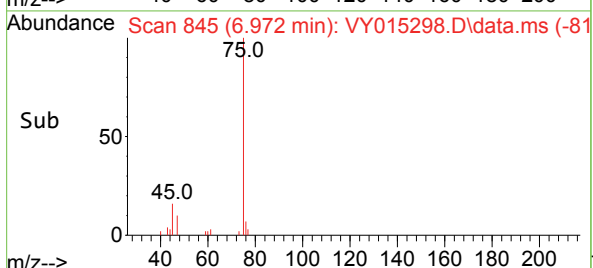
Tgt Ion: 75 Resp: 1510
Ion Ratio Lower Upper
75 100
110 2.9 17.8 53.5#
77 0.0 24.4 36.6#

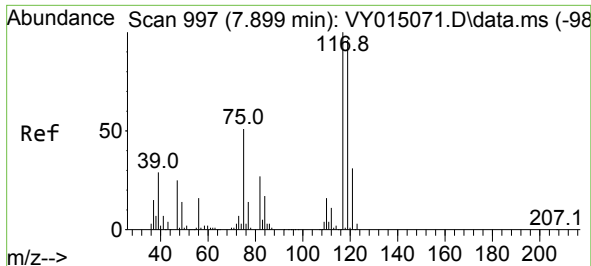


#37
Ethyl Acetate
Concen: 2.348 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.097 min
Lab File: VY015298.D
Acq: 23 Aug 2023 22:04



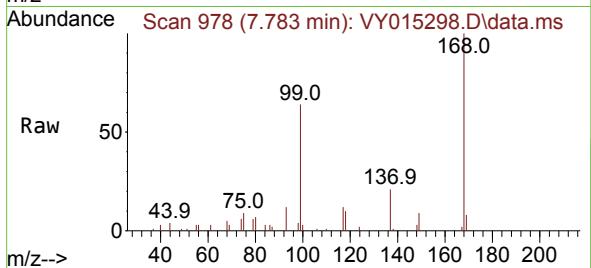
Tgt Ion: 43 Resp: 413
Ion Ratio Lower Upper
43 100
61 34.9 10.1 15.1#
70 0.0 7.1 10.7#



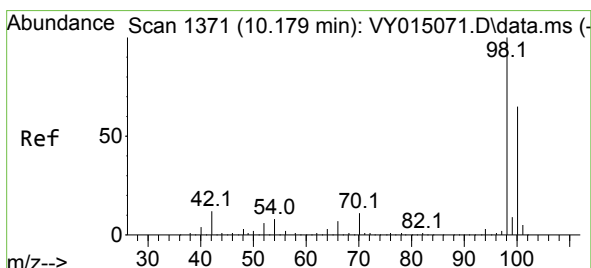
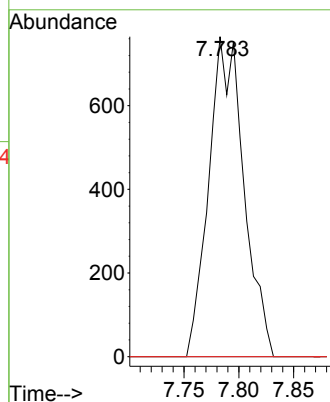
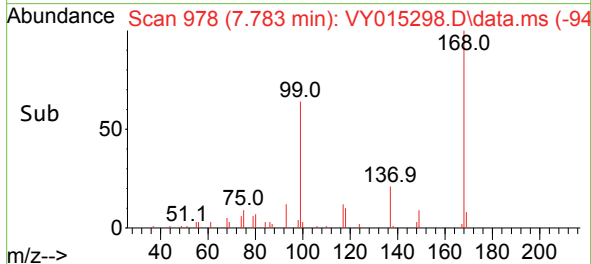


#38
Carbon Tetrachloride
Concen: 7.595 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY015298.D
Acq: 23 Aug 2023 22:04

Instrument :
MSVOA_Y
ClientSampleId :

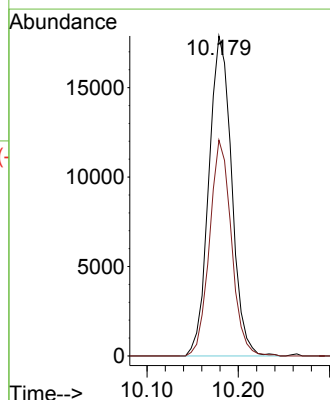
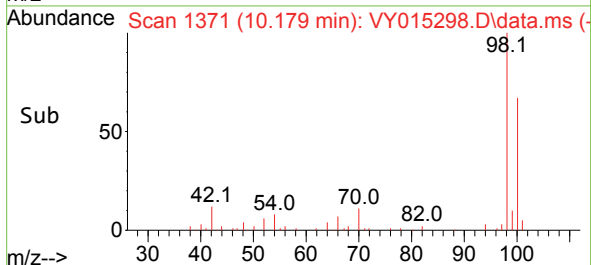
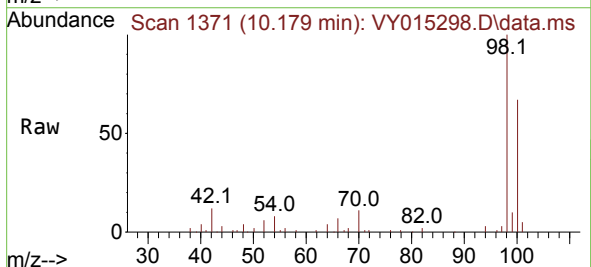


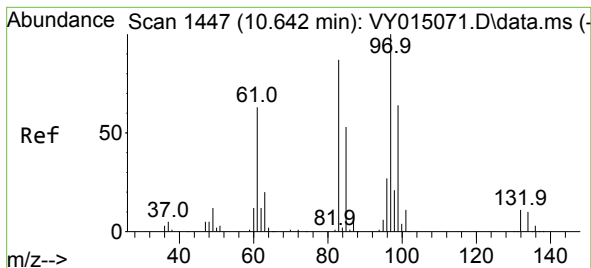
Tgt Ion:117 Resp: 1696
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 48.742 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015298.D
Acq: 23 Aug 2023 22:04

Tgt Ion: 98 Resp: 30944
Ion Ratio Lower Upper
98 100
100 64.7 50.1 75.1





#55

1,1,2-Trichloroethane

Concen: 1.284 ug/l

RT: 10.520 min Scan# 1447

Delta R.T. -0.122 min

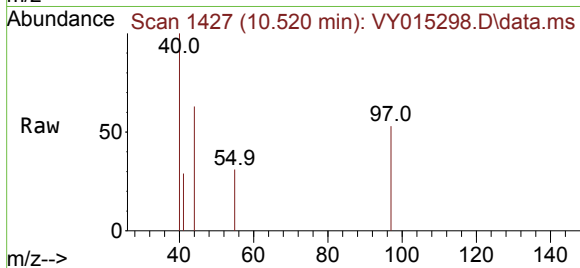
Lab File: VY015298.D

Acq: 23 Aug 2023 22:04

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 97 Resp: 198

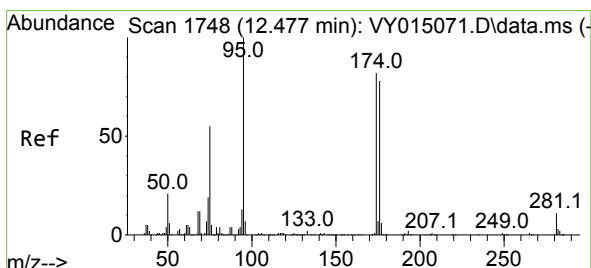
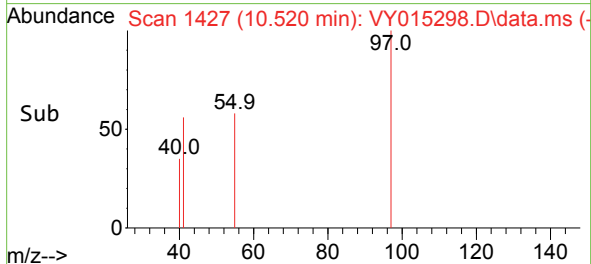
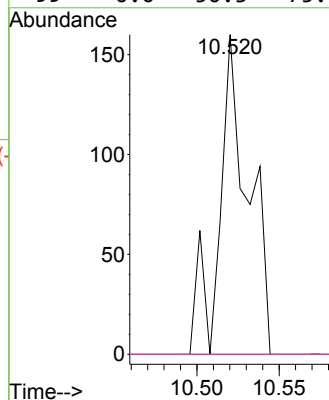
Ion Ratio Lower Upper

97 100

83 0.0 72.0 108.0#

85 0.0 45.4 68.0#

99 0.0 50.3 75.5#



#62

4-Bromofluorobenzene

Concen: 45.269 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY015298.D

Acq: 23 Aug 2023 22:04

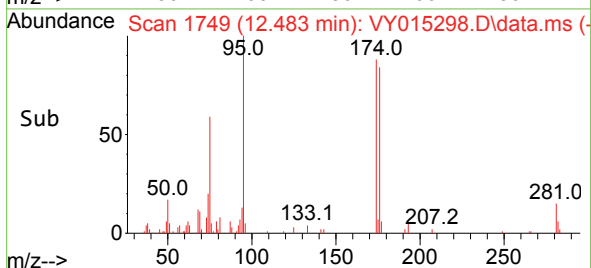
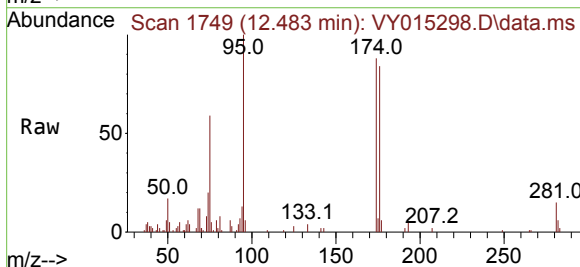
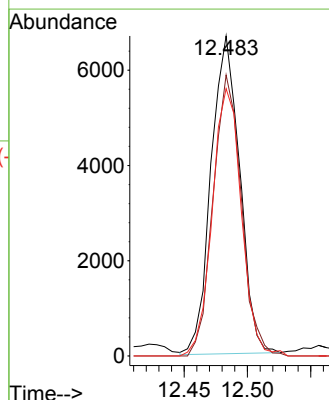
Tgt Ion: 95 Resp: 10497

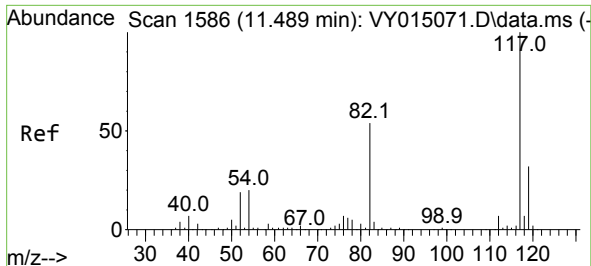
Ion Ratio Lower Upper

95 100

174 87.0 0.0 178.2

176 85.5 0.0 173.8

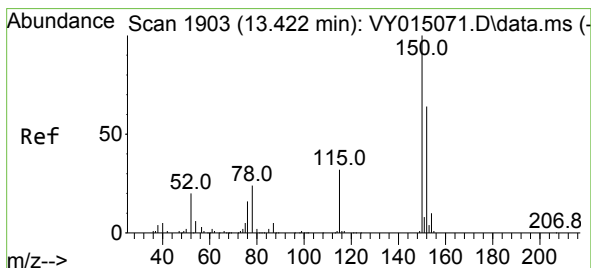
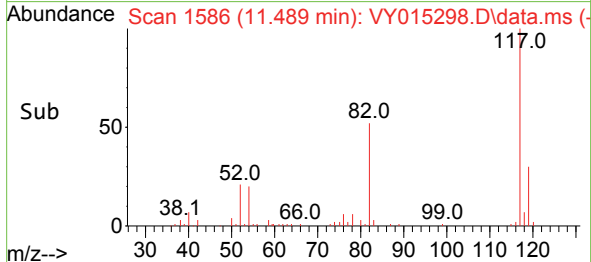
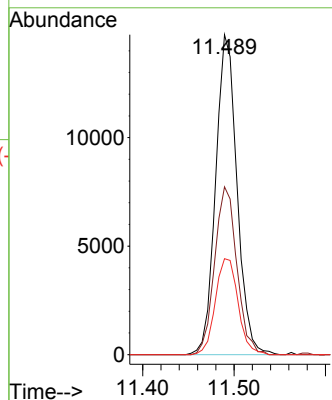
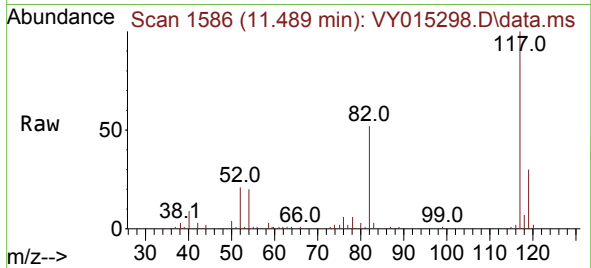




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015298.D
Acq: 23 Aug 2023 22:04

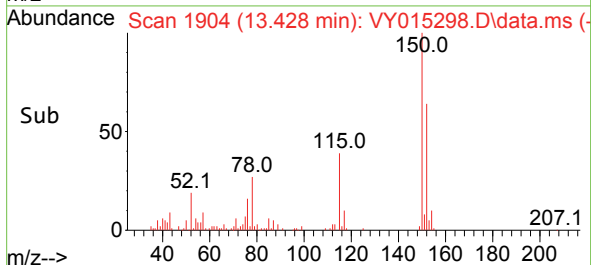
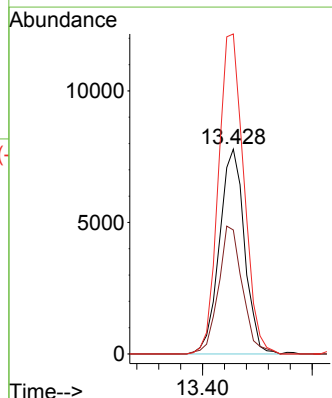
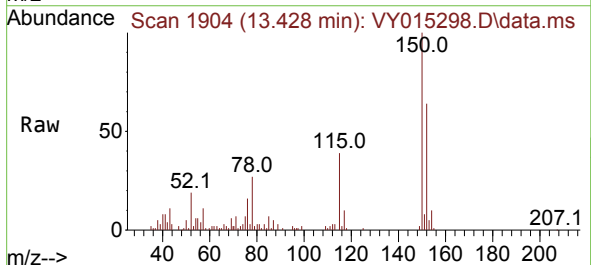
Instrument :
MSVOA_Y
ClientSampleId :

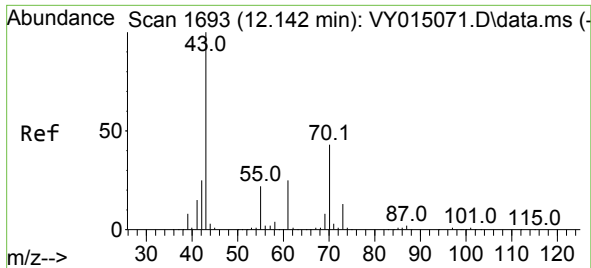
Tgt Ion:117 Resp: 23931
Ion Ratio Lower Upper
117 100
82 52.5 43.4 65.0
119 30.0 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY015298.D
Acq: 23 Aug 2023 22:04

Tgt Ion:152 Resp: 12372
Ion Ratio Lower Upper
152 100
115 60.0 28.8 86.5
150 158.4 0.0 348.8

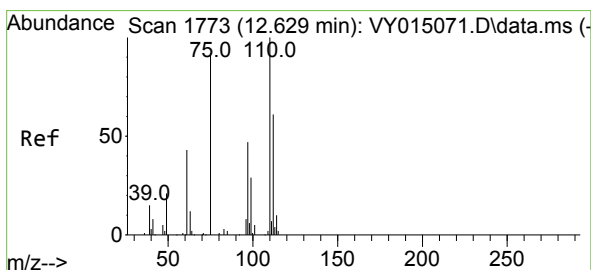
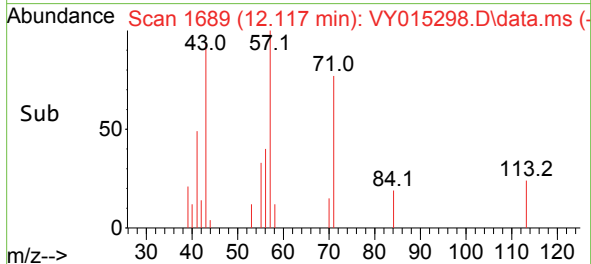
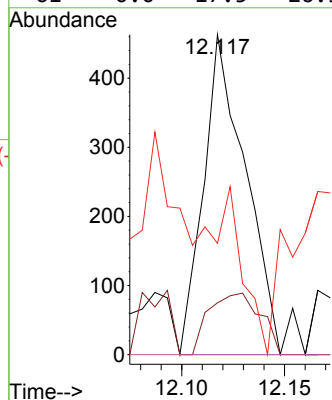
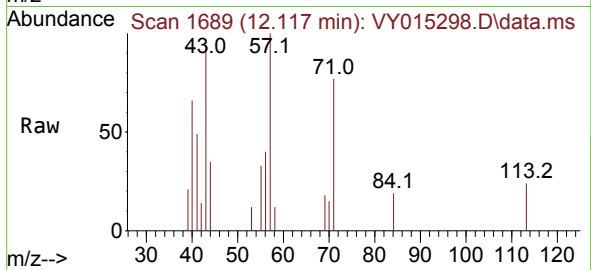




#74
N-amy1 acetate
Concen: 2.287 ug/l
RT: 12.117 min Scan# 1
Delta R.T. -0.024 min
Lab File: VY015298.D
Acq: 23 Aug 2023 22:04

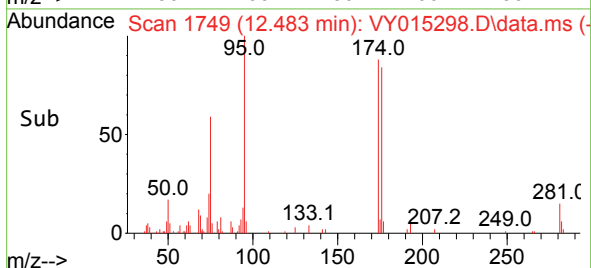
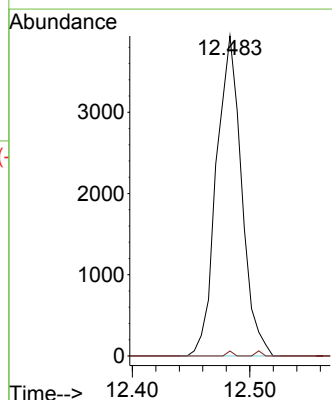
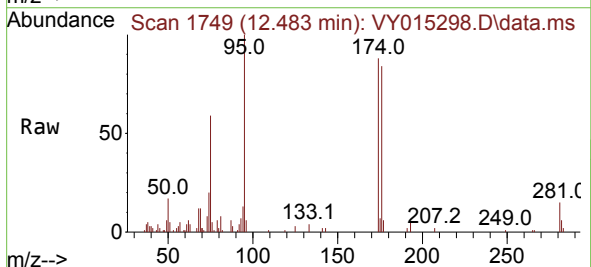
Instrument :
MSVOA_Y
ClientSampleId :

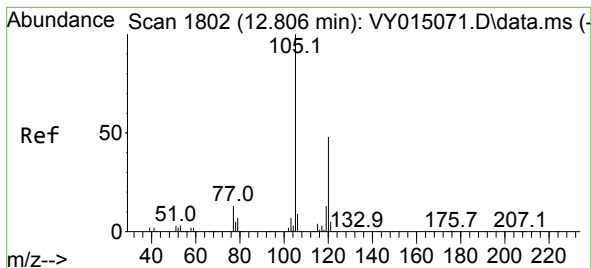
Tgt Ion: 43	Resp: 657
Ion Ratio	Lower Upper
43 100	
70 23.6	29.7 44.5#
55 0.0	18.3 27.5#
61 0.0	17.5 26.3#



#76
1,2,3-Trichloropropane
Concen: 39.112 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY015298.D
Acq: 23 Aug 2023 22:04

Tgt Ion: 75	Resp: 5879		
Ion Ratio	Lower	Upper	
75 100			
77 0.4	0.0	0.0#	





#80

1,3,5-Trimethylbenzene

Concen: 1.558 ug/l

RT: 12.812 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY015298.D

Acq: 23 Aug 2023 22:04

Instrument :

MSVOA_Y

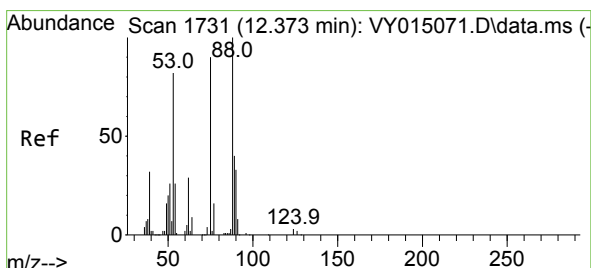
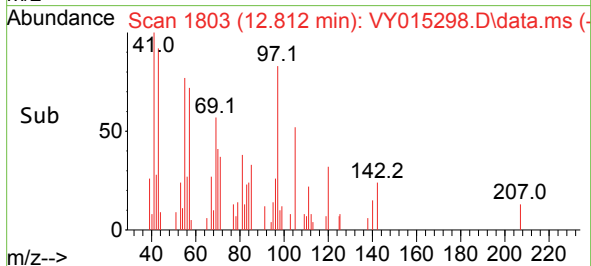
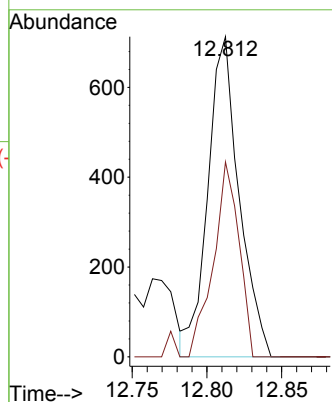
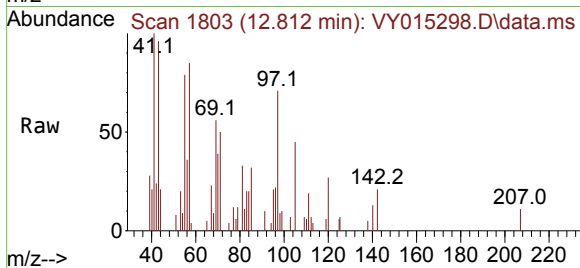
ClientSampleId :

Tgt Ion:105 Resp: 1033

Ion Ratio Lower Upper

105 100

120 50.0 23.9 71.7



#81

trans-1,4-Dichloro-2-butene

Concen: 85.910 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.110 min

Lab File: VY015298.D

Acq: 23 Aug 2023 22:04

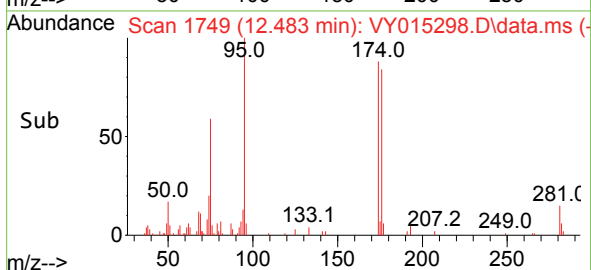
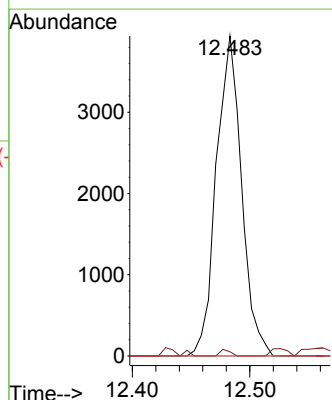
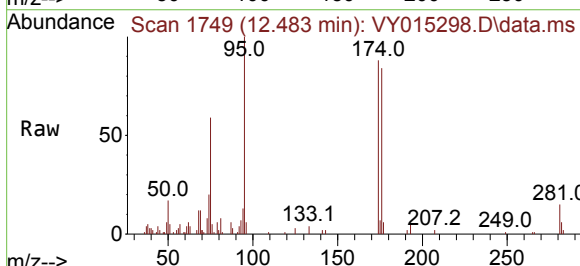
Tgt Ion: 75 Resp: 5879

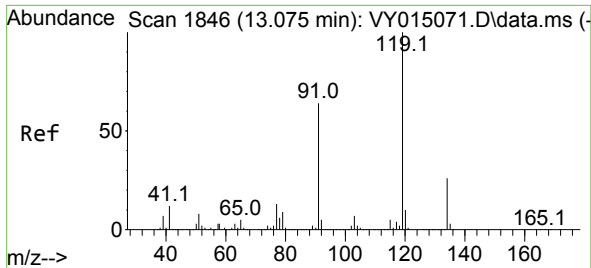
Ion Ratio Lower Upper

75 100

53 0.8 77.8 116.8#

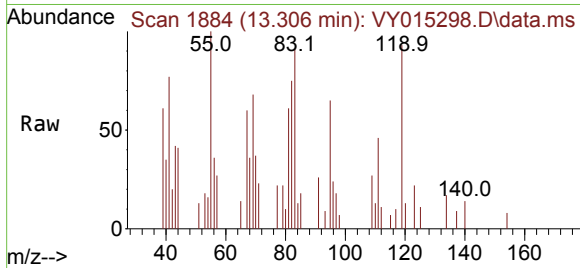
89 0.0 37.4 56.0#



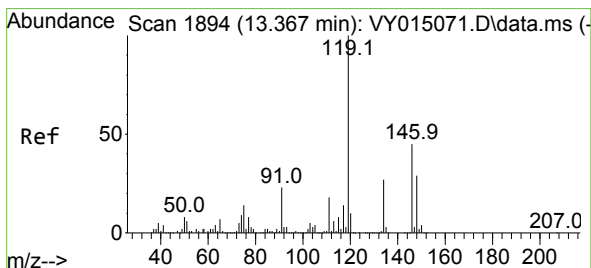
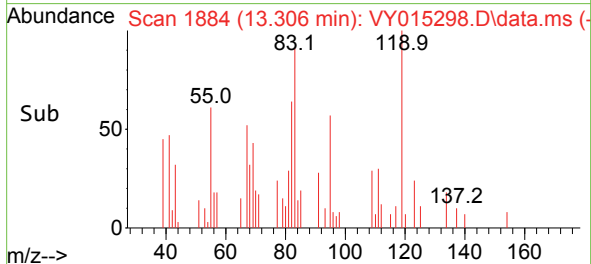
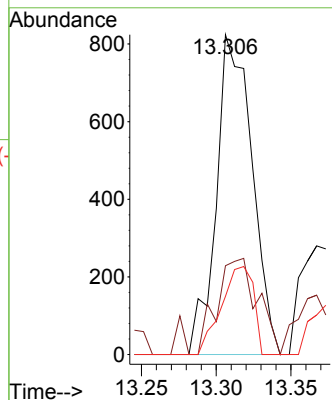


#83
tert-Butylbenzene
Concen: 2.262 ug/l
RT: 13.306 min Scan# 1884
Delta R.T. 0.232 min
Lab File: VY015298.D
Acq: 23 Aug 2023 22:04

Instrument :
MSVOA_Y
ClientSampleId :

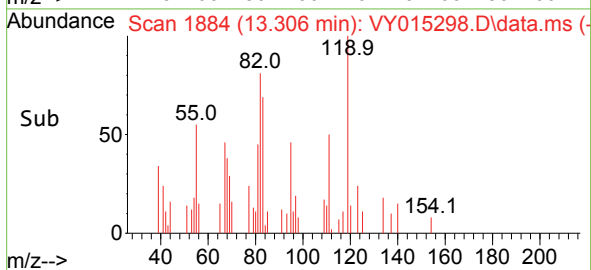
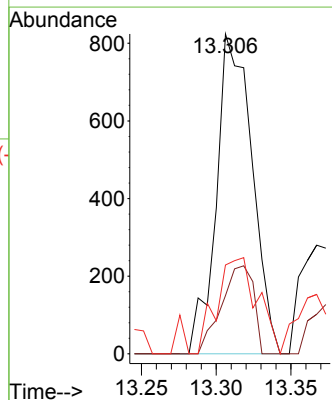
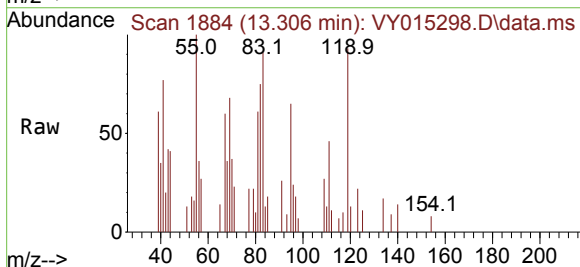


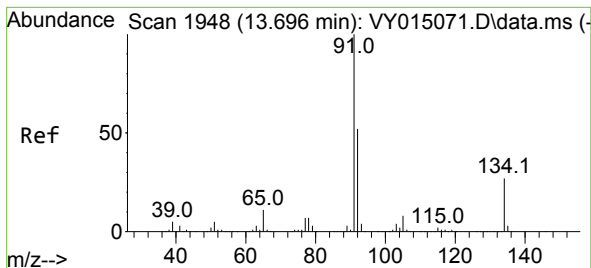
Tgt Ion:	119	Resp:	1372
Ion	Ratio	Lower	Upper
119	100		
91	34.3	32.9	98.6
134	24.8	13.0	38.9



#86
p-Isopropyltoluene
Concen: 1.862 ug/l
RT: 13.306 min Scan# 1884
Delta R.T. -0.061 min
Lab File: VY015298.D
Acq: 23 Aug 2023 22:04

Tgt Ion:	119	Resp:	1372
Ion	Ratio	Lower	Upper
119	100		
134	24.8	13.3	39.8
91	34.3	12.4	37.4





#89

n-Butylbenzene

Concen: 1.346 ug/l

RT: 13.660 min Scan# 1948

Delta R.T. -0.037 min

Lab File: VY015298.D

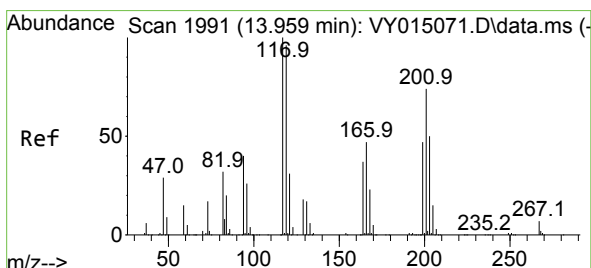
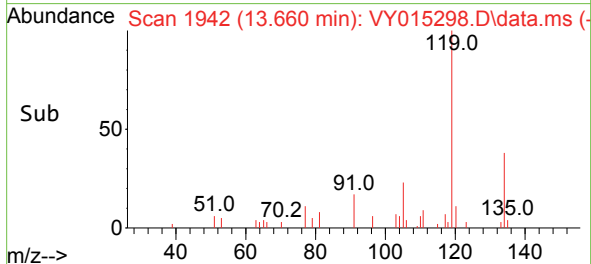
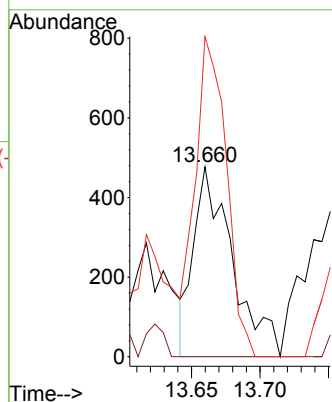
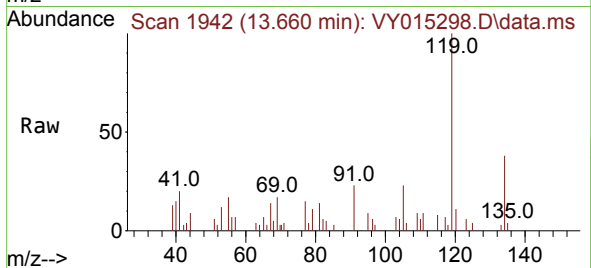
Acq: 23 Aug 2023 22:04

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 91	Resp: 935
Ion Ratio	Lower Upper
91	100
92	0.0 25.4 76.0#
134	136.4 12.6 37.6#



#90

Hexachloroethane

Concen: 2.032 ug/l

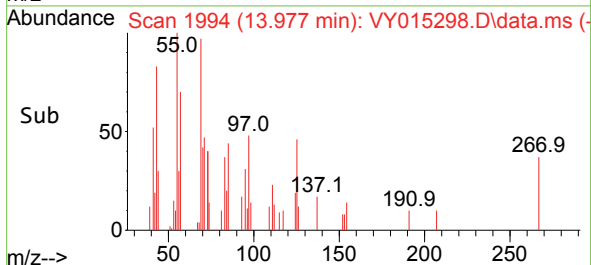
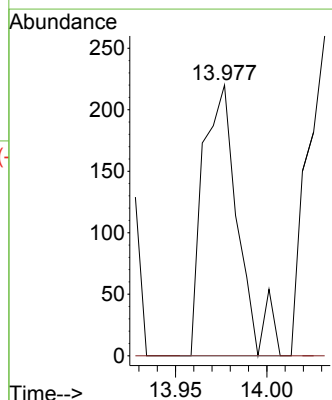
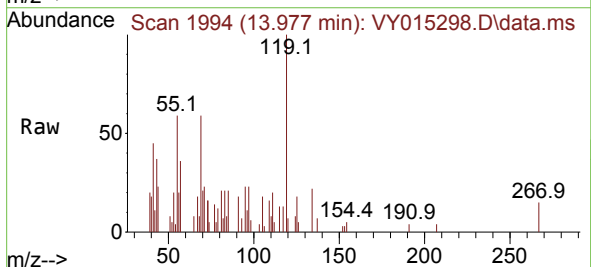
RT: 13.977 min Scan# 1994

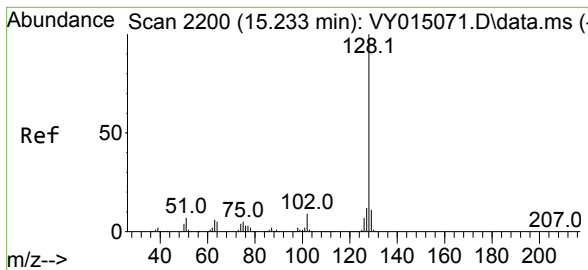
Delta R.T. 0.018 min

Lab File: VY015298.D

Acq: 23 Aug 2023 22:04

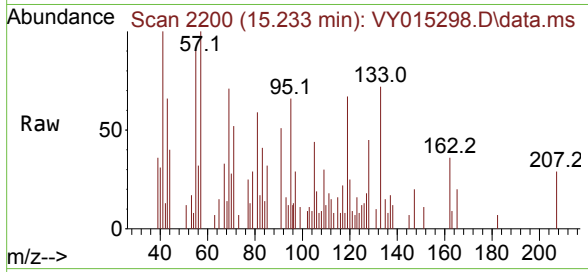
Tgt Ion: 117	Resp: 297
Ion Ratio	Lower Upper
117	100
201	0.0 41.6 124.8#





#95
 Naphthalene
 Concen: 1.679 ug/l
 RT: 15.233 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VY015298.D
 Acq: 23 Aug 2023 22:04

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	128	Resp:	965
Ion	Ratio	Lower	Upper
128	100		
127	41.8	10.8	16.2#
129	0.0	8.6	13.0#

