

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082423\
 Data File : VY015314.D
 Acq On : 24 Aug 2023 16:08
 Operator : SY/MD
 Sample : 04146-01
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 25 03:20:44 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)

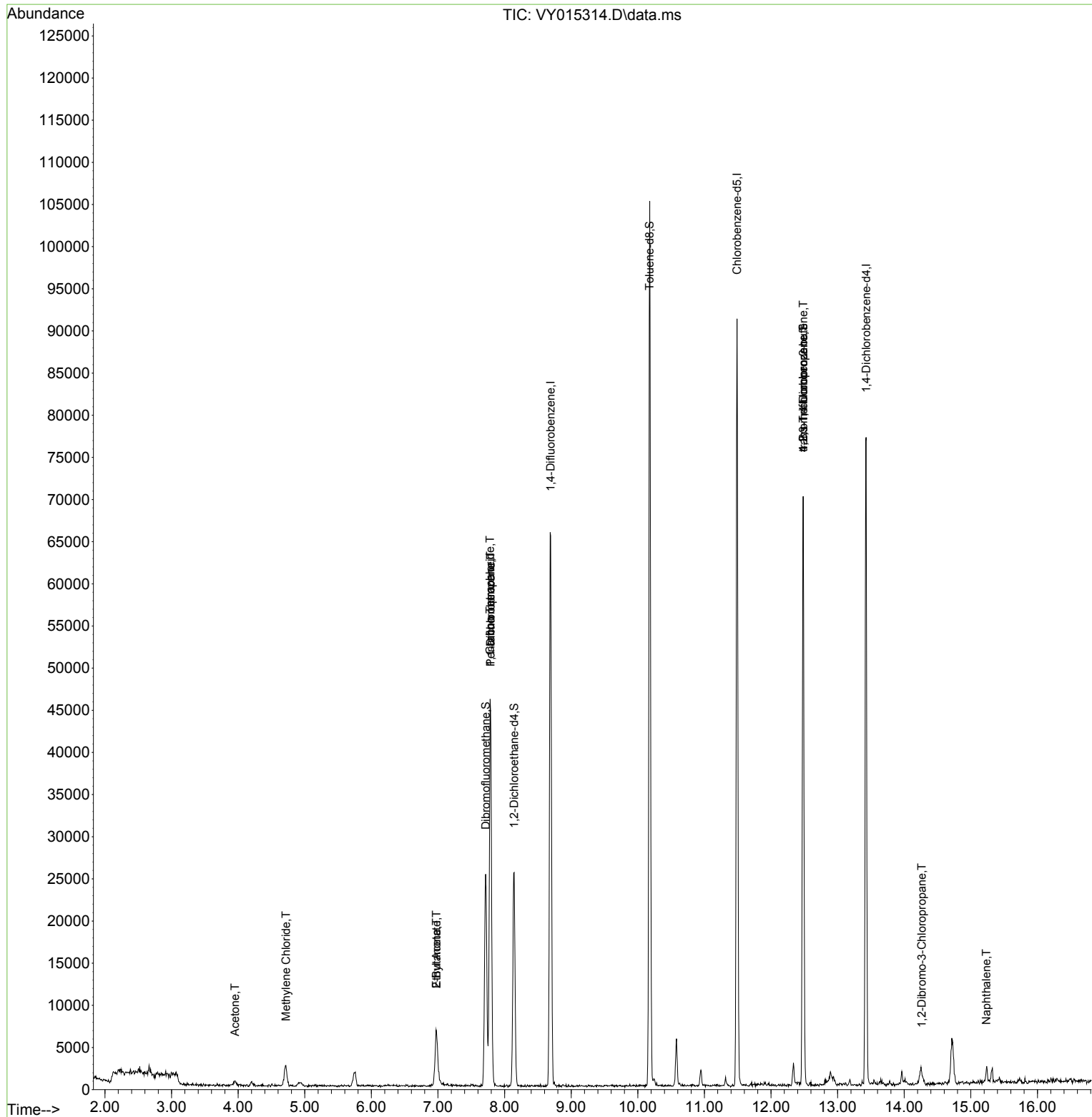
Internal Standards						
1) Pentafluorobenzene	7.789	168	36376	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	57766	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	49570	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	20658	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	20505	46.959	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.920%
35) Dibromofluoromethane	7.716	113	18409	49.536	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.080%
50) Toluene-d8	10.179	98	67704	48.940	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.880%
62) 4-Bromofluorobenzene	12.483	95	20032	39.645	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.280%
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	160	Below Cal	#	43
11) Tert butyl alcohol	4.942	59	143	Below Cal	#	89
16) Acetone	3.954	43	1263	8.854	ug/l	99
20) Methylene Chloride	4.716	84	1880	1.288	ug/l #	78
25) 2-Butanone	6.978	43	466	2.307	ug/l #	49
31) Cyclohexane	7.783	56	768	Below Cal	#	37
36) 1,1-Dichloropropene	7.789	75	3104	7.550	ug/l #	49
37) Ethyl Acetate	6.978	43	466	1.216	ug/l #	62
38) Carbon Tetrachloride	7.783	117	3862	7.937	ug/l #	12
76) 1,2,3-Trichloropropane	12.483	75	11074	44.123	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	11074	96.916	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.263	75	76	1.134	ug/l #	3
95) Naphthalene	15.233	128	2140	2.230	ug/l #	89

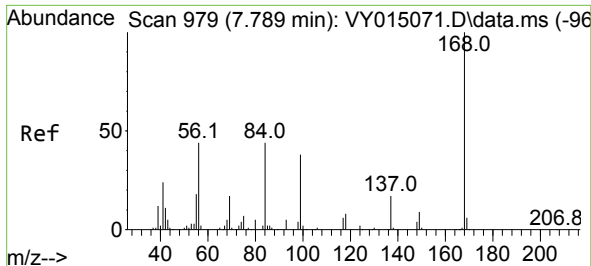
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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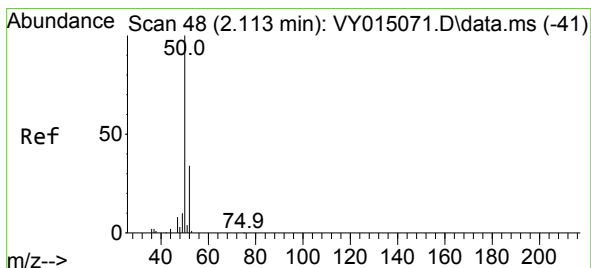
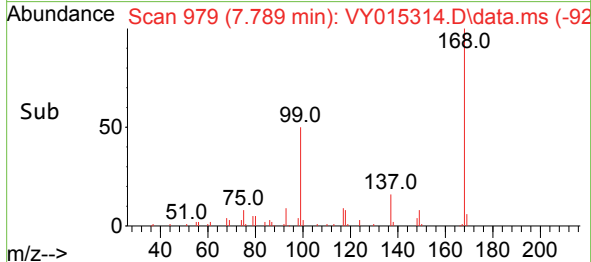
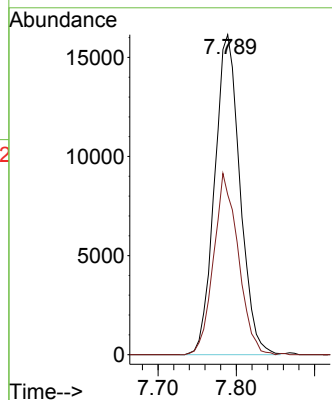
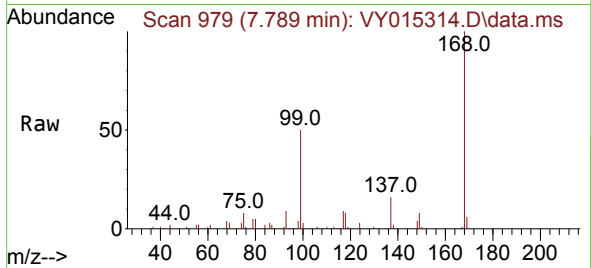




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015314.D
Acq: 24 Aug 2023 16:08

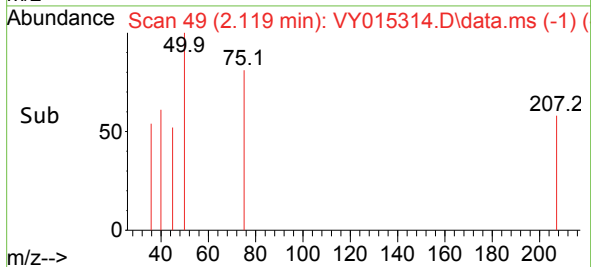
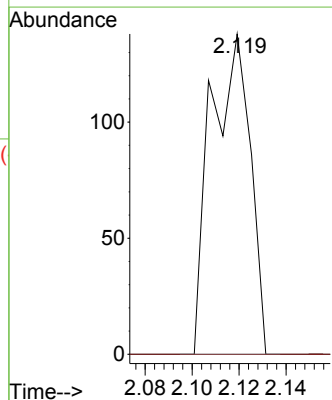
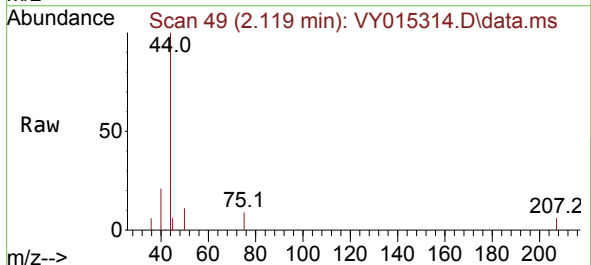
Instrument :
MSVOA_Y
ClientSampleId :

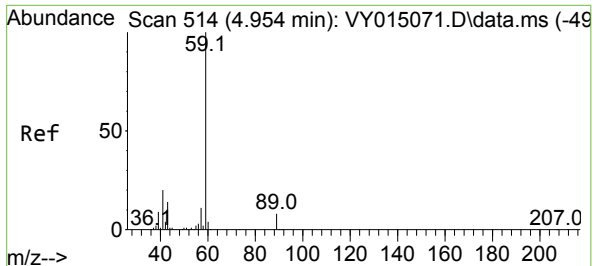
Tgt Ion:168 Resp: 36376
Ion Ratio Lower Upper
168 100
99 50.0 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.012 min
Lab File: VY015314.D
Acq: 24 Aug 2023 16:08

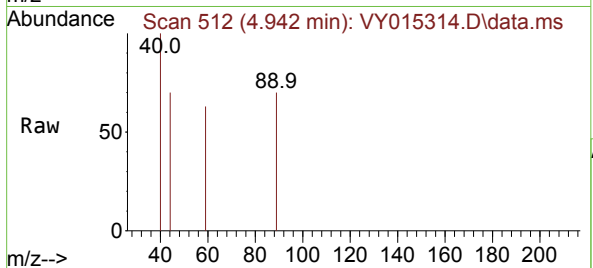
Tgt Ion: 50 Resp: 160
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#



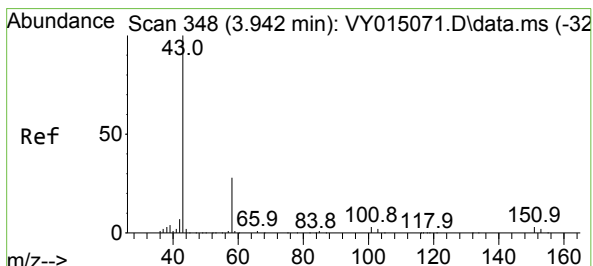
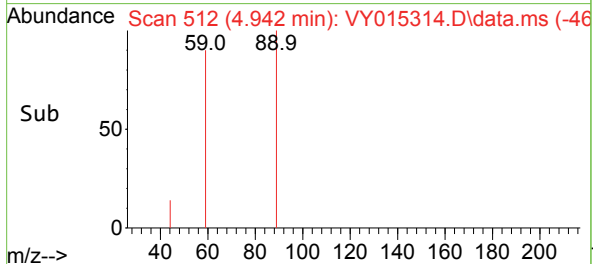
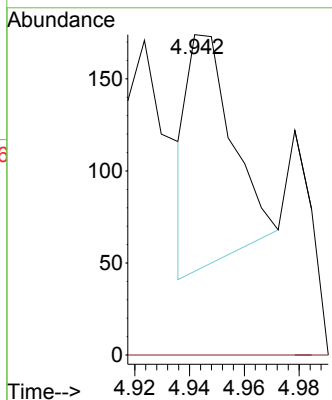


#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 51
Delta R.T. -0.006 min
Lab File: VY015314.D
Acq: 24 Aug 2023 16:08

Instrument :
MSVOA_Y
ClientSampleId :

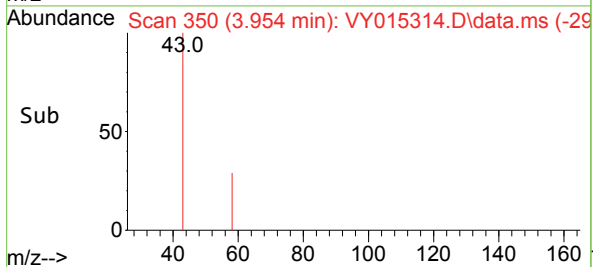
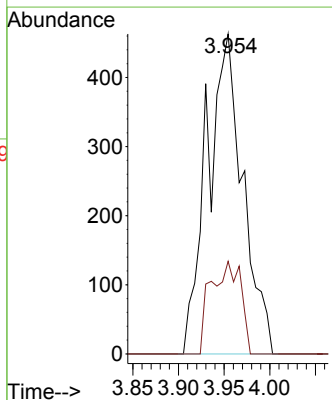
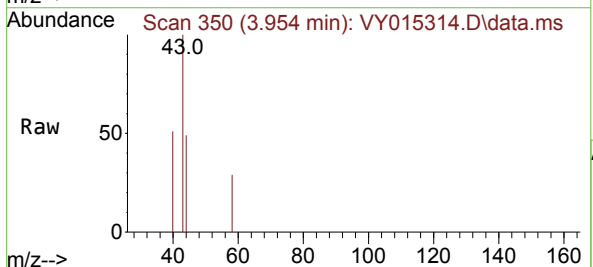


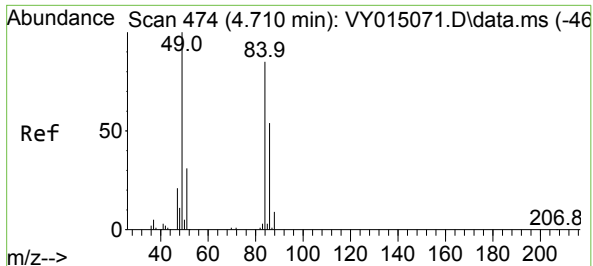
Tgt Ion: 59 Resp: 143
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 8.854 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY015314.D
Acq: 24 Aug 2023 16:08

Tgt Ion: 43 Resp: 1263
Ion Ratio Lower Upper
43 100
58 28.9 22.7 34.1





#20

Methylene Chloride

Concen: 1.288 ug/l

RT: 4.716 min Scan# 41

Delta R.T. 0.006 min

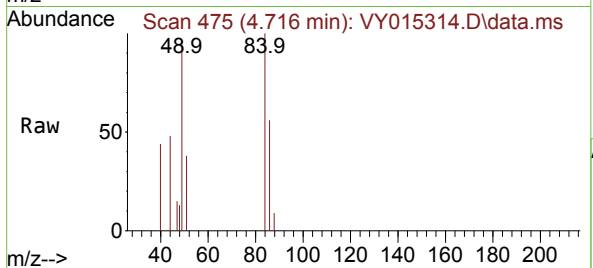
Lab File: VY015314.D

Acq: 24 Aug 2023 16:08

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 1880

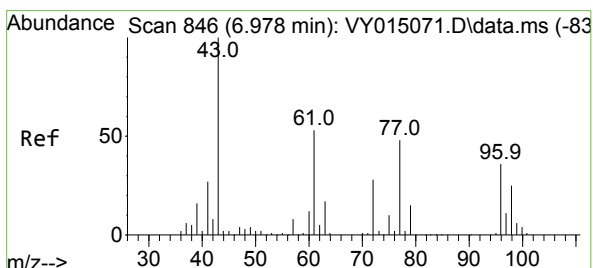
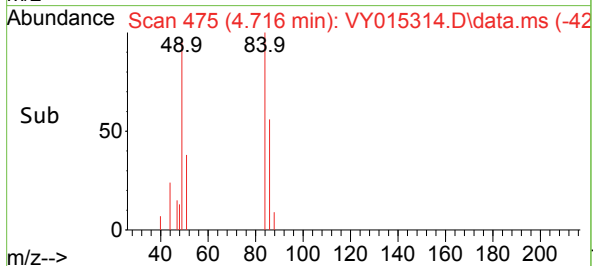
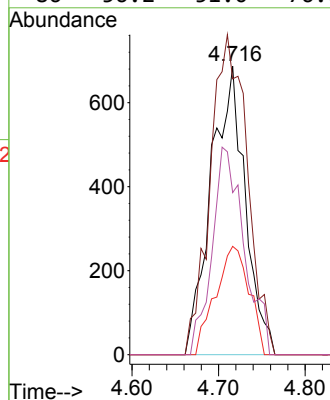
Ion Ratio Lower Upper

84 100

49 95.6 106.9 160.3#

51 37.6 33.2 49.8

86 56.2 51.0 76.6



#25

2-Butanone

Concen: 2.307 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY015314.D

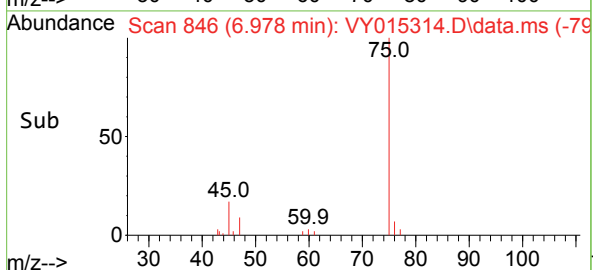
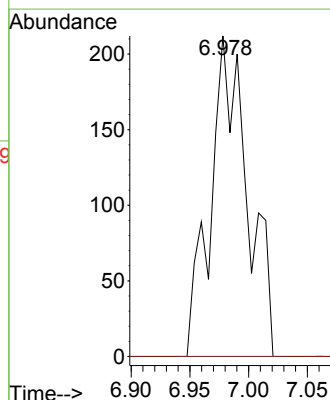
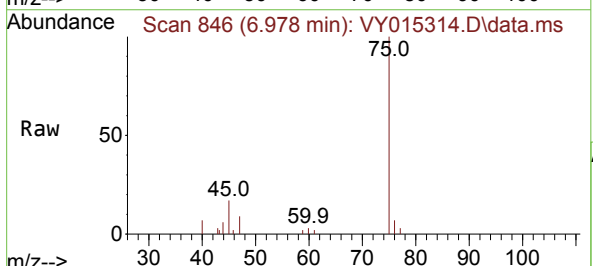
Acq: 24 Aug 2023 16:08

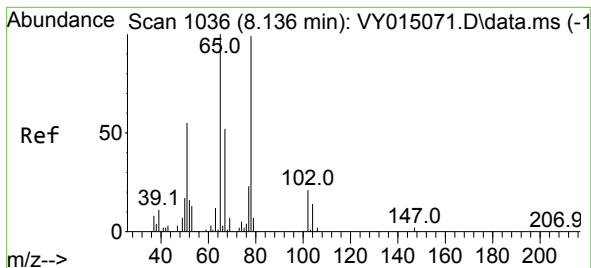
Tgt Ion: 43 Resp: 466

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#





#33

1,2-Dichloroethane-d4

Concen: 46.959 ug/l

RT: 8.142 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VY015314.D

Acq: 24 Aug 2023 16:08

Instrument :

MSVOA_Y

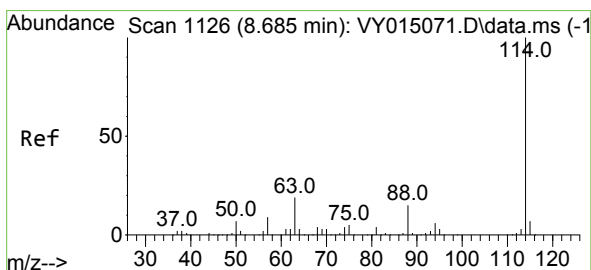
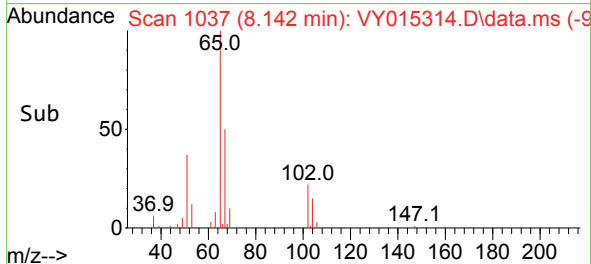
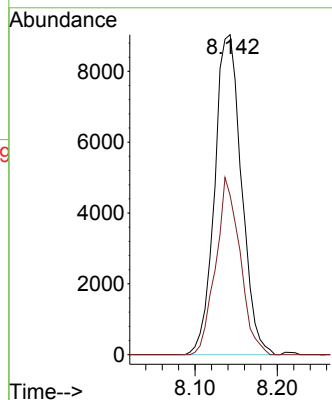
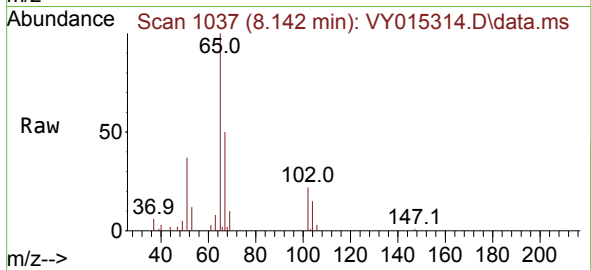
ClientSampleId :

Tgt Ion: 65 Resp: 20505

Ion Ratio Lower Upper

65 100

67 50.1 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: VY015314.D

Acq: 24 Aug 2023 16:08

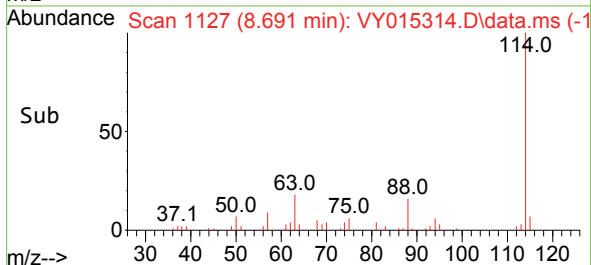
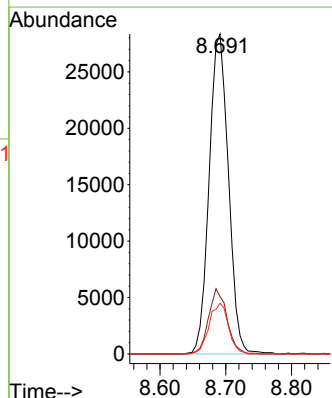
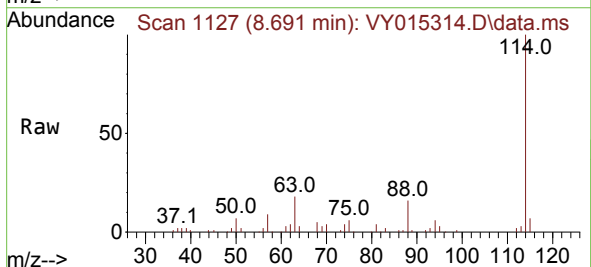
Tgt Ion: 114 Resp: 57766

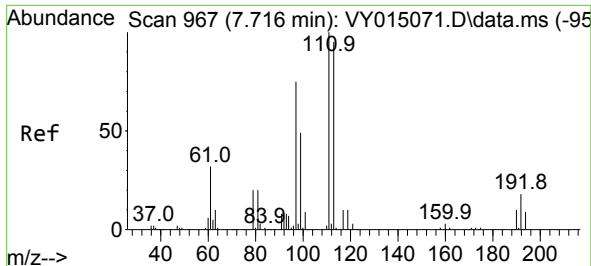
Ion Ratio Lower Upper

114 100

63 18.0 0.0 42.4

88 15.8 0.0 30.6

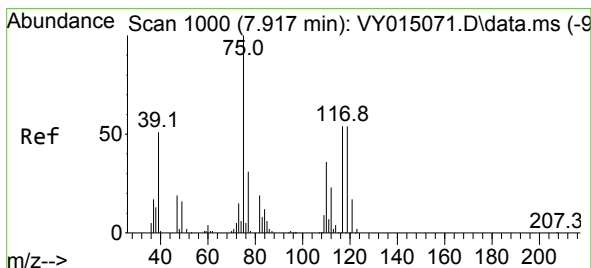
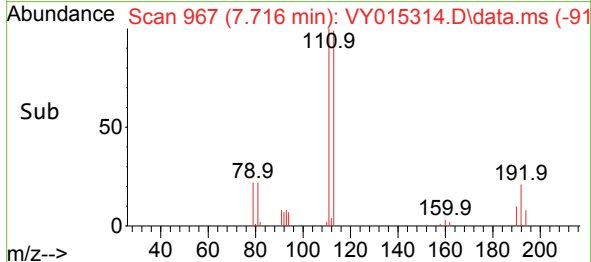
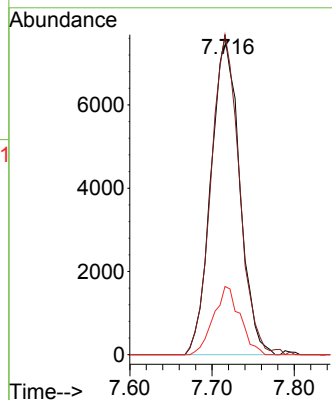
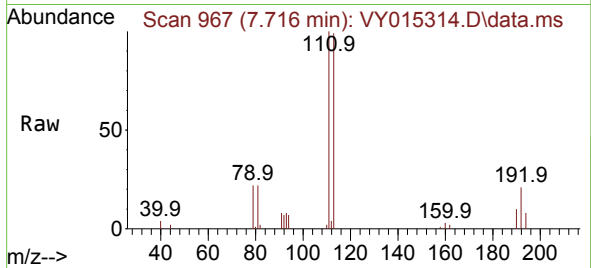




#35
Dibromofluoromethane
Concen: 49.536 ug/l
RT: 7.716 min Scan# 910
Delta R.T. 0.000 min
Lab File: VY015314.D
Acq: 24 Aug 2023 16:08

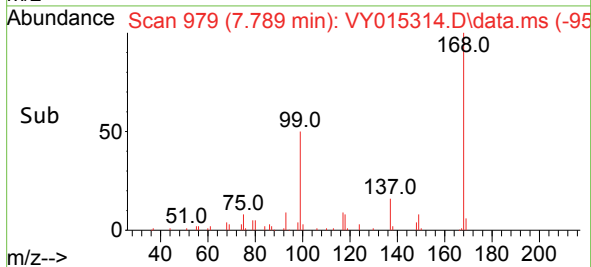
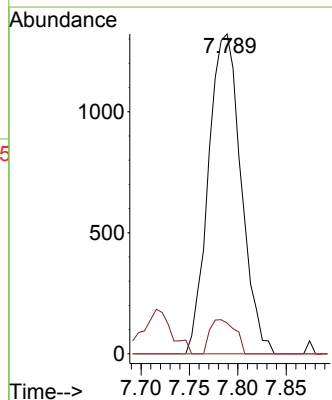
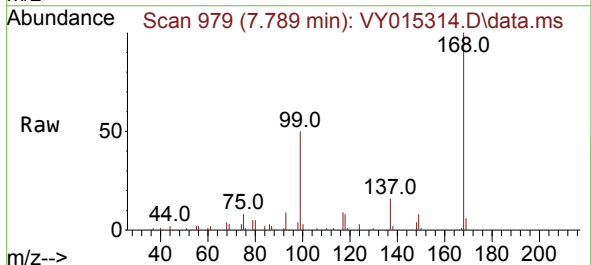
Instrument :
MSVOA_Y
ClientSampleId :

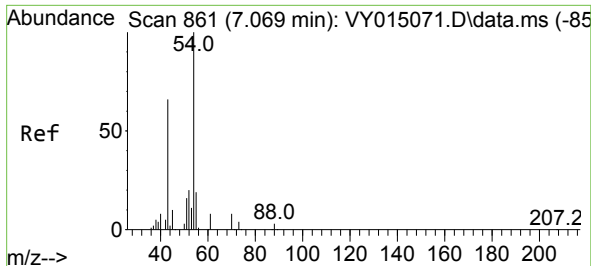
Tgt Ion:113 Resp: 18409
Ion Ratio Lower Upper
113 100
111 100.0 81.3 121.9
192 19.9 16.9 25.3



#36
1,1-Dichloropropene
Concen: 7.550 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY015314.D
Acq: 24 Aug 2023 16:08

Tgt Ion: 75 Resp: 3104
Ion Ratio Lower Upper
75 100
110 8.2 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.216 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.091 min

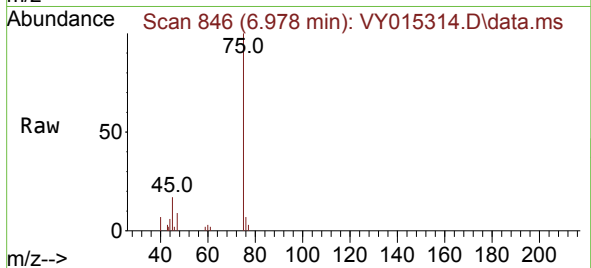
Lab File: VY015314.D

Acq: 24 Aug 2023 16:08

Instrument :

MSVOA_Y

ClientSampleId :



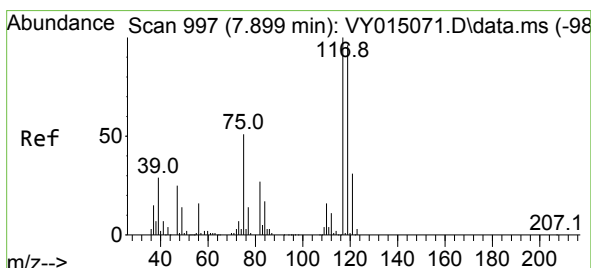
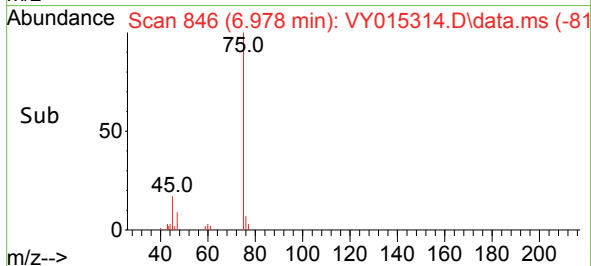
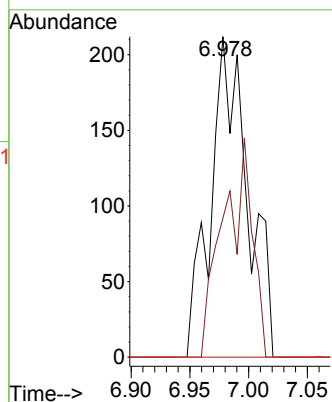
Tgt Ion: 43 Resp: 466

Ion Ratio Lower Upper

43 100

61 31.1 10.1 15.1#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 7.937 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY015314.D

Acq: 24 Aug 2023 16:08

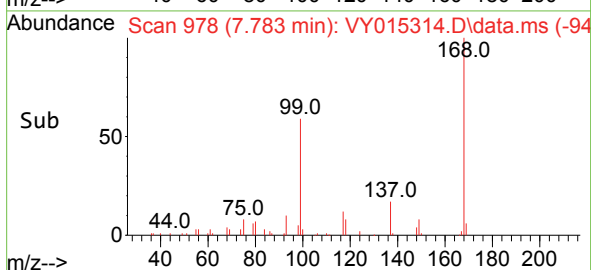
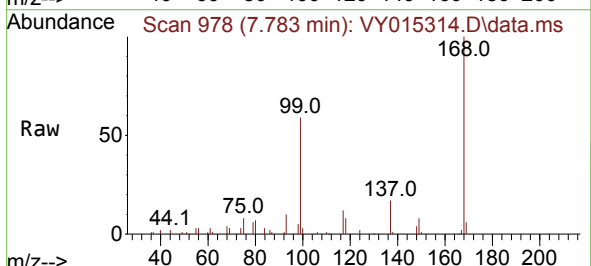
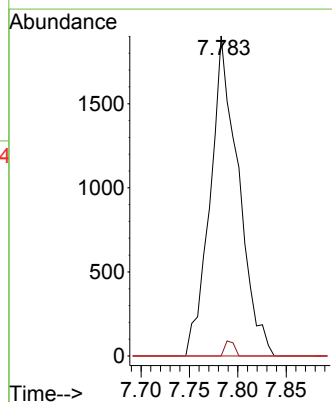
Tgt Ion: 117 Resp: 3862

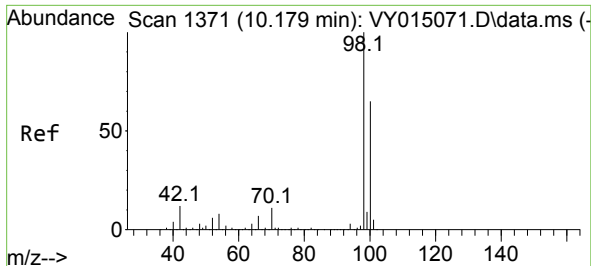
Ion Ratio Lower Upper

117 100

119 0.0 76.4 114.6#

121 0.0 25.8 38.6#

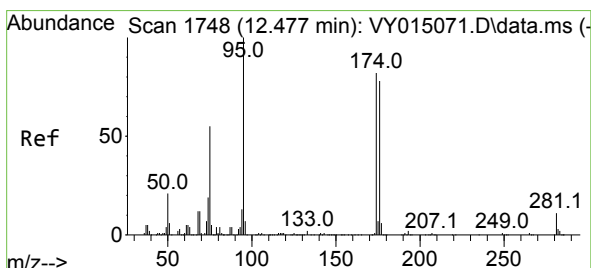
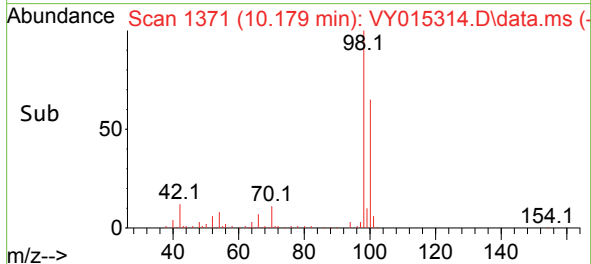
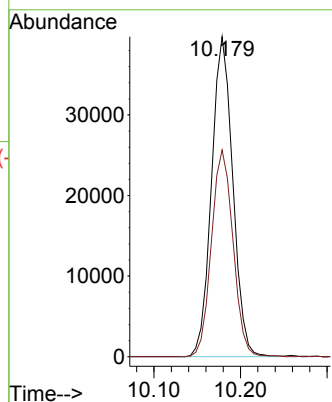
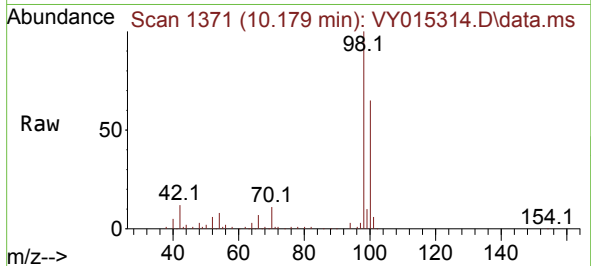




#50
Toluene-d8
Concen: 48.940 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015314.D
Acq: 24 Aug 2023 16:08

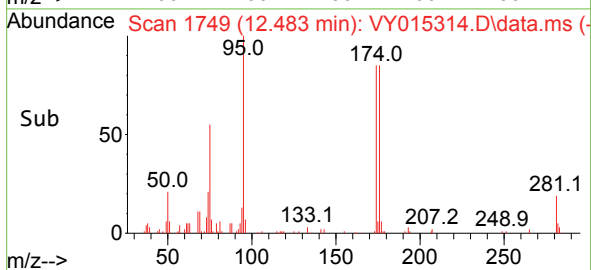
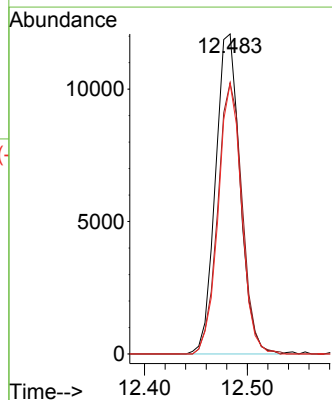
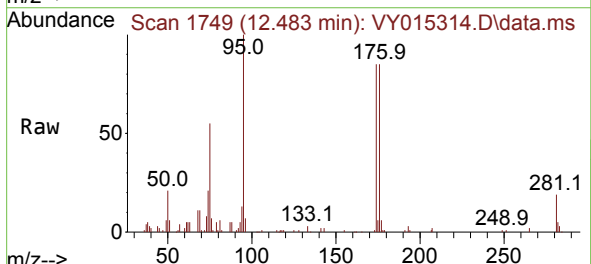
Instrument :
MSVOA_Y
ClientSampleId :

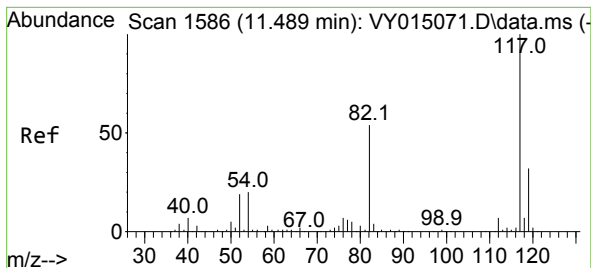
Tgt Ion: 98 Resp: 67704
Ion Ratio Lower Upper
98 100
100 65.5 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 39.645 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015314.D
Acq: 24 Aug 2023 16:08

Tgt Ion: 95 Resp: 20032
Ion Ratio Lower Upper
95 100
174 84.9 0.0 178.2
176 80.3 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: VY015314.D

Acq: 24 Aug 2023 16:08

Instrument :

MSVOA_Y

ClientSampleId :

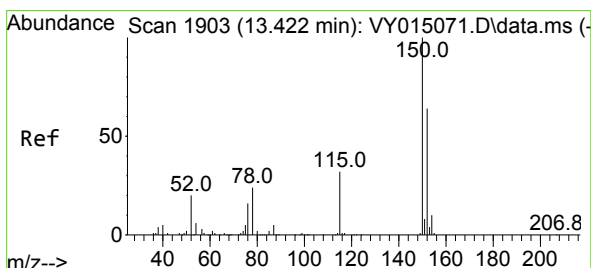
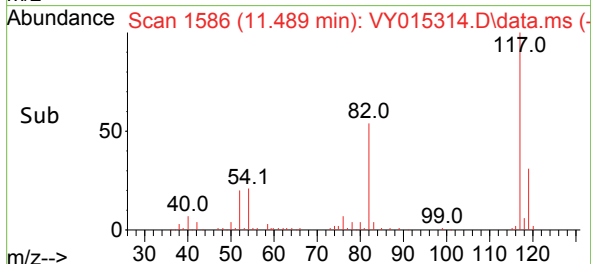
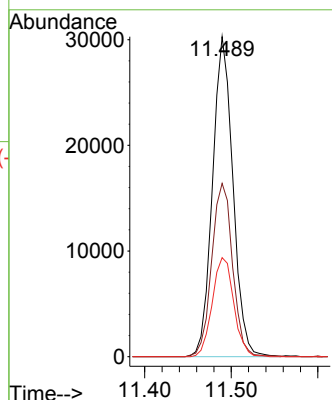
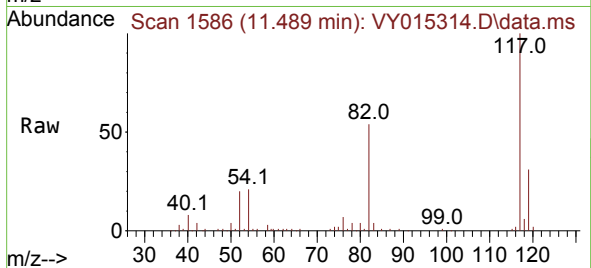
Tgt Ion:117 Resp: 49570

Ion Ratio Lower Upper

117 100

82 54.1 43.4 65.0

119 30.9 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: VY015314.D

Acq: 24 Aug 2023 16:08

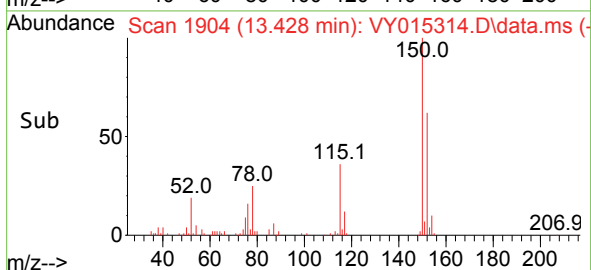
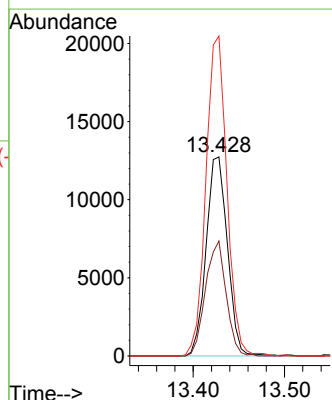
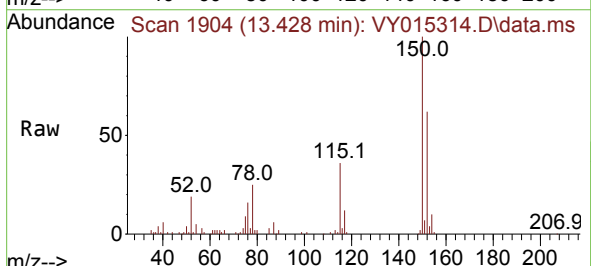
Tgt Ion:152 Resp: 20658

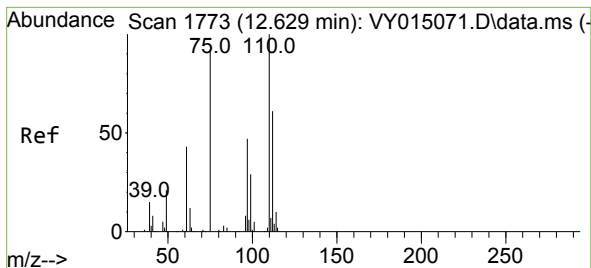
Ion Ratio Lower Upper

152 100

115 55.9 28.8 86.5

150 158.2 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 44.123 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY015314.D

Acq: 24 Aug 2023 16:08

Instrument :

MSVOA_Y

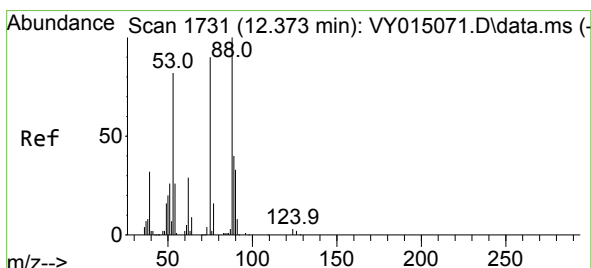
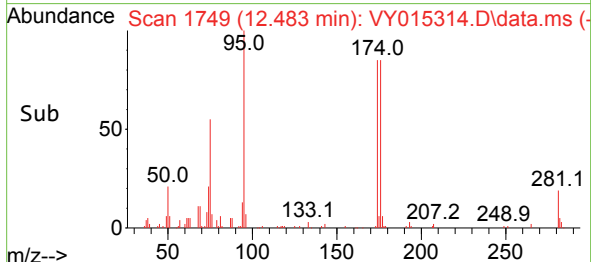
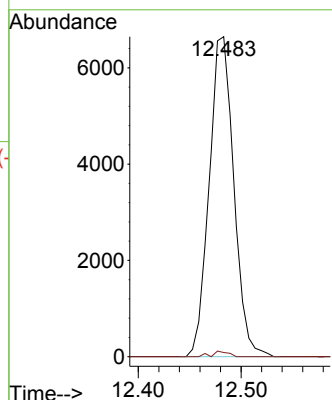
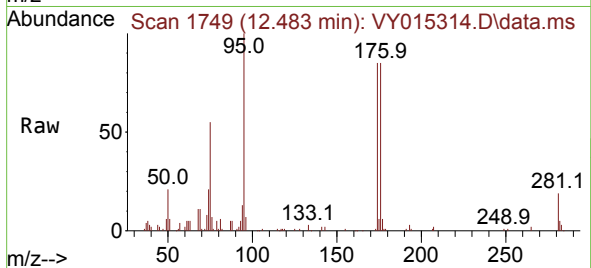
ClientSampleId :

Tgt Ion: 75 Resp: 11074

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 96.916 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.110 min

Lab File: VY015314.D

Acq: 24 Aug 2023 16:08

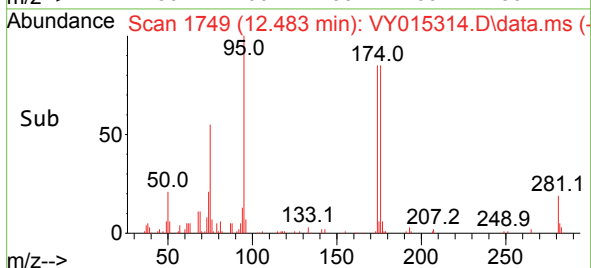
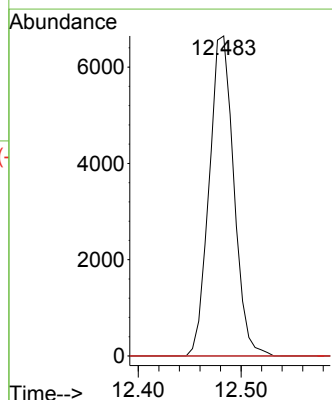
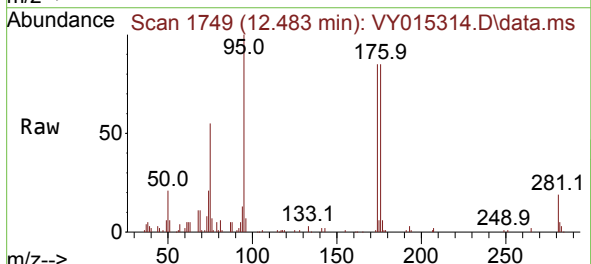
Tgt Ion: 75 Resp: 11074

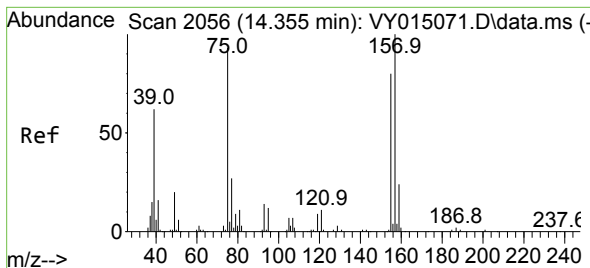
Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

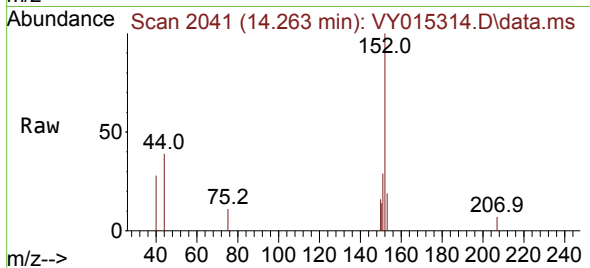
89 0.0 37.4 56.0#



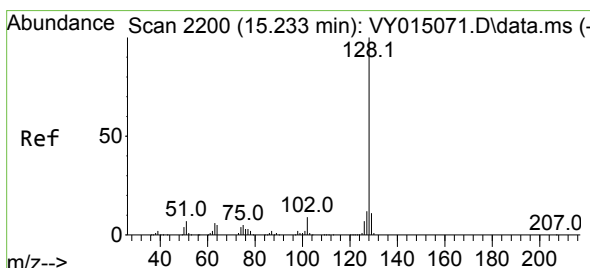
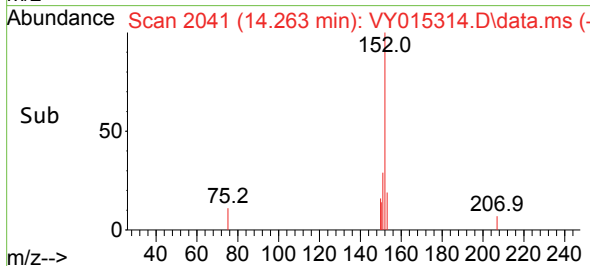
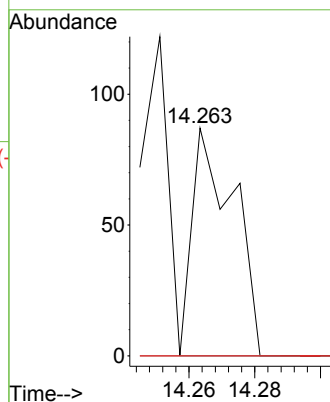


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.134 ug/l
 RT: 14.263 min Scan# 2056
 Delta R.T. -0.091 min
 Lab File: VY015314.D
 Acq: 24 Aug 2023 16:08

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 76
 Ion Ratio Lower Upper
 75 100
 155 0.0 41.5 124.6#
 157 0.0 51.8 155.5#



#95
 Naphthalene
 Concen: 2.230 ug/l
 RT: 15.233 min Scan# 2200
 Delta R.T. 0.000 min
 Lab File: VY015314.D
 Acq: 24 Aug 2023 16:08

Tgt Ion: 128 Resp: 2140
 Ion Ratio Lower Upper
 128 100
 127 10.4 10.8 16.2#
 129 4.7 8.6 13.0#

