

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082423\
 Data File : VY015317.D
 Acq On : 24 Aug 2023 17:18
 Operator : SY/MD
 Sample : 04112-01
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 25 03:21:50 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)

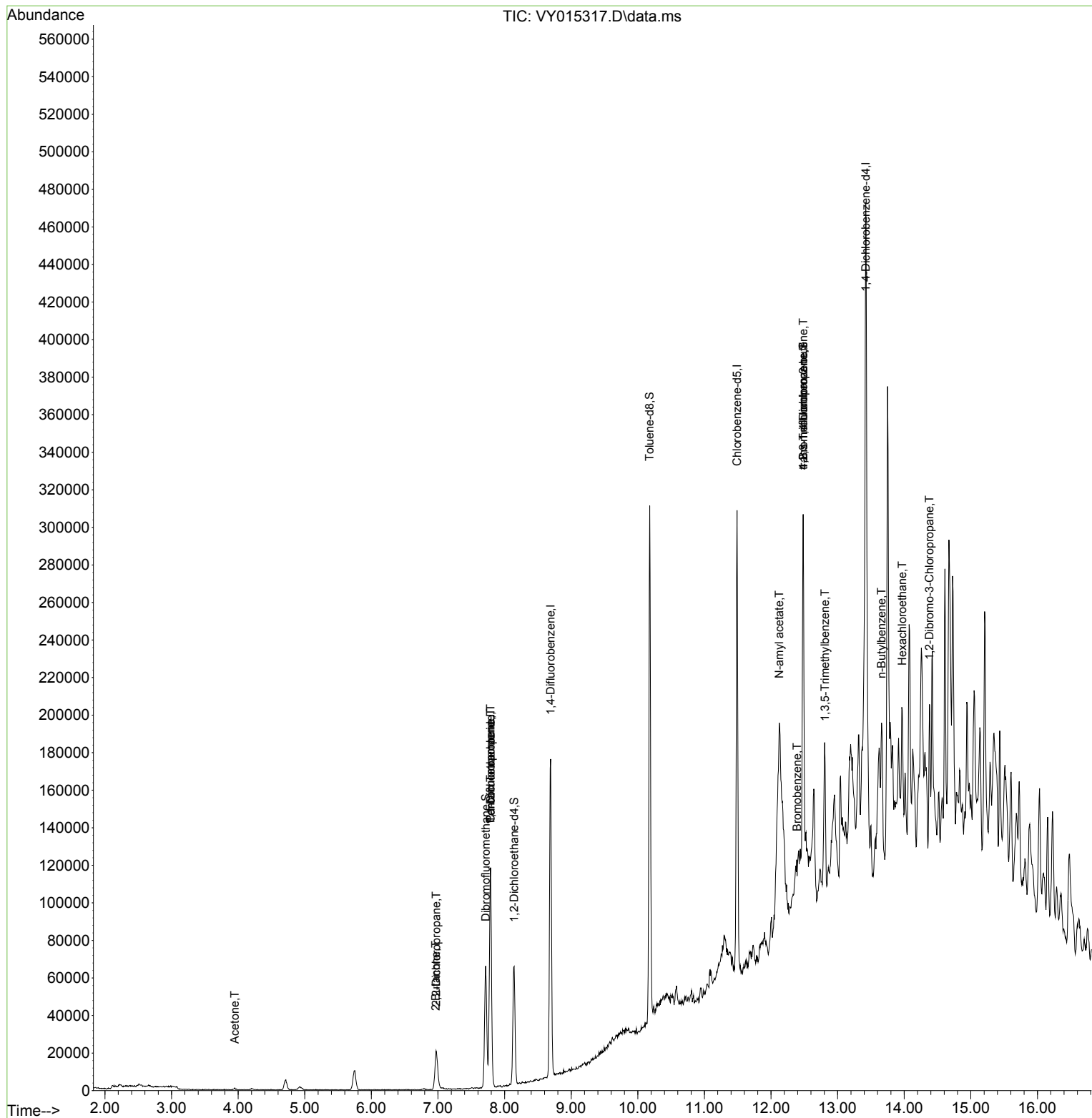
Internal Standards						
1) Pentafluorobenzene	7.789	168	88261	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	146240	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	129511	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	62118	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	50987	48.124	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.240%
35) Dibromofluoromethane	7.716	113	44740	47.555	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.100%
50) Toluene-d8	10.179	98	174780	49.905	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.820%
62) 4-Bromofluorobenzene	12.483	95	56879	44.465	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.940%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	41	Below Cal	#	43
3) Chloromethane	2.113	50	168	Below Cal	#	43
5) Bromomethane	2.674	94	322	Below Cal	#	37
11) Tert butyl alcohol	4.924	59	1316	Below Cal	#	89
16) Acetone	3.948	43	1329	3.840	ug/l #	69
25) 2-Butanone	6.966	43	640	1.306	ug/l #	79
26) 2,2-Dichloropropane	6.972	77	1678	1.183	ug/l #	56
31) Cyclohexane	7.783	56	2294	Below Cal	#	34
36) 1,1-Dichloropropene	7.789	75	7151	6.870	ug/l #	53
38) Carbon Tetrachloride	7.789	117	9400	7.631	ug/l #	16
74) N-amyl acetate	12.124	43	13713	9.509	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	30347	40.211	ug/l #	100
77) Bromobenzene	12.392	156	9078	9.324	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.812	105	7170	2.153	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.483	75	30347	88.323	ug/l #	11
89) n-Butylbenzene	13.660	91	6370	1.826	ug/l #	1
90) Hexachloroethane	13.971	117	3044	4.147	ug/l #	8
92) 1,2-Dibromo-3-Chloropr...	14.379	75	477	2.367	ug/l #	15

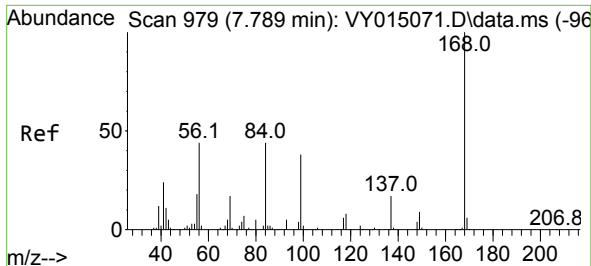
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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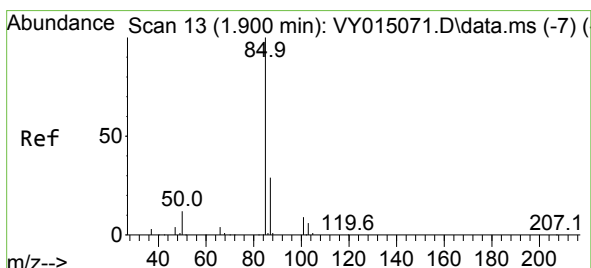
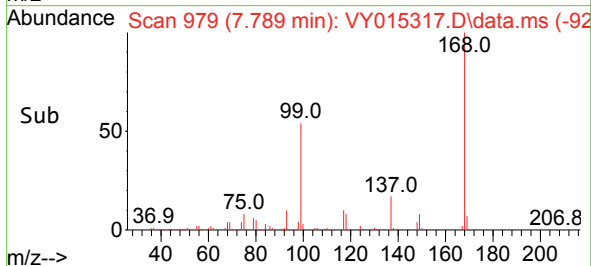
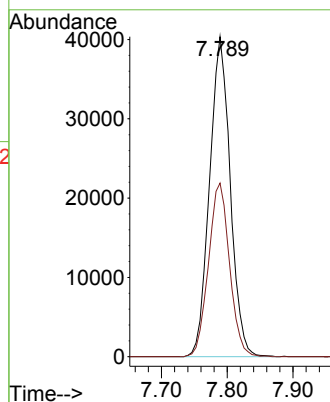
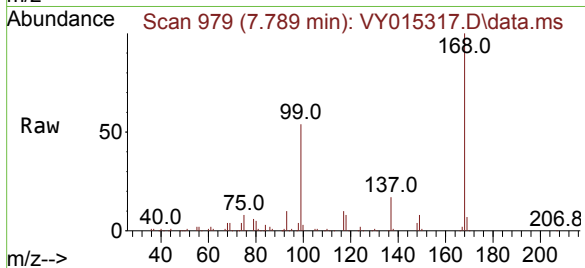




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015317.D
Acq: 24 Aug 2023 17:18

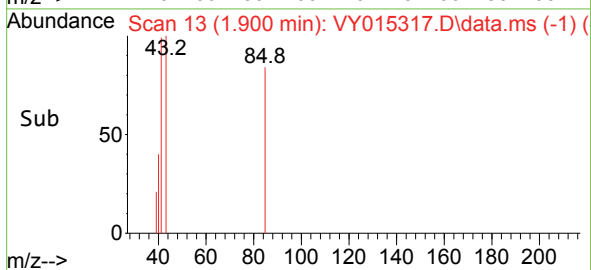
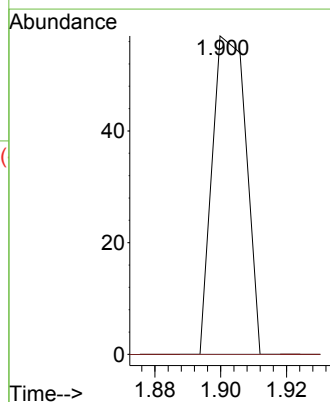
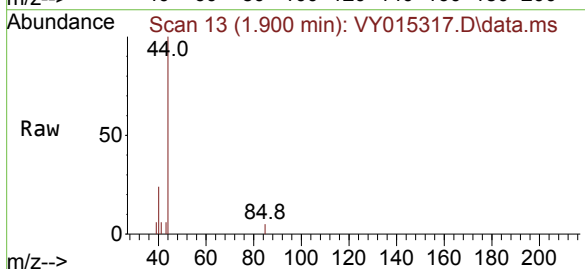
Instrument :
MSVOA_Y
ClientSampleId :

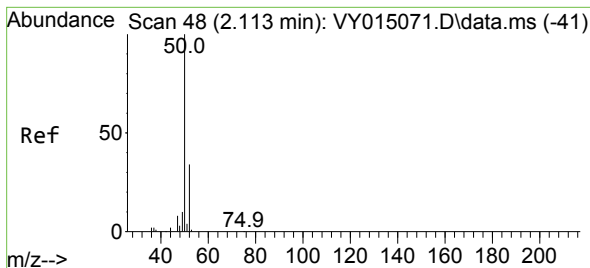
Tgt Ion:168 Resp: 88261
Ion Ratio Lower Upper
168 100
99 54.3 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY015317.D
Acq: 24 Aug 2023 17:18

Tgt Ion: 85 Resp: 41
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#





#3

Chloromethane

Concen: Below Cal

RT: 2.113 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY015317.D

Acq: 24 Aug 2023 17:18

Instrument :

MSVOA_Y

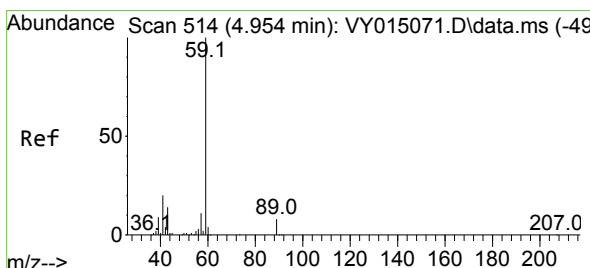
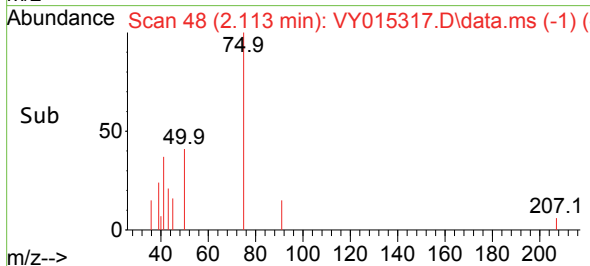
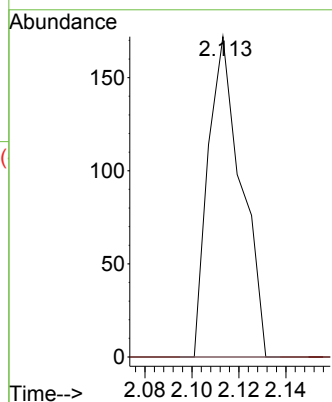
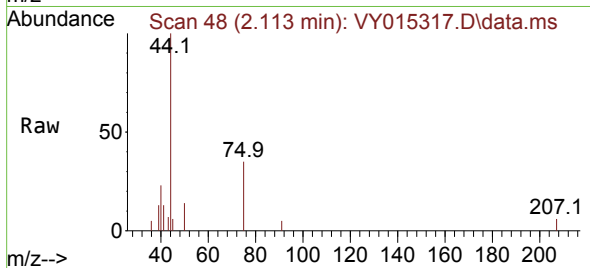
ClientSampleId :

Tgt Ion: 50 Resp: 168

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: VY015317.D

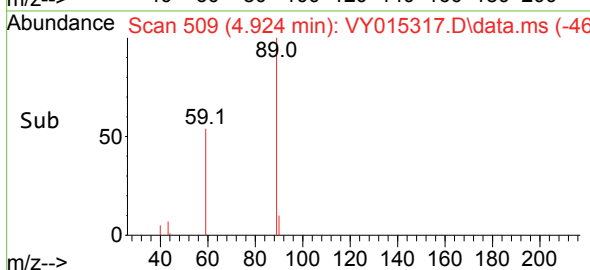
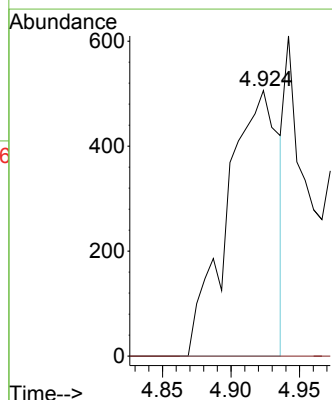
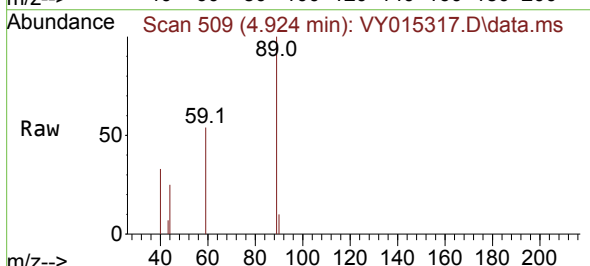
Acq: 24 Aug 2023 17:18

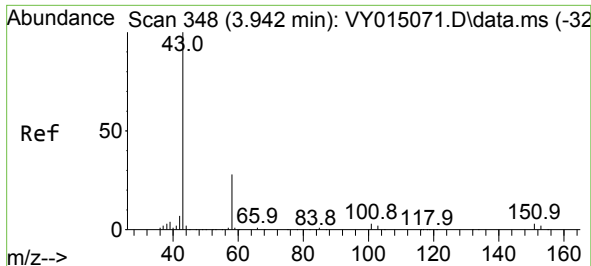
Tgt Ion: 59 Resp: 1316

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#

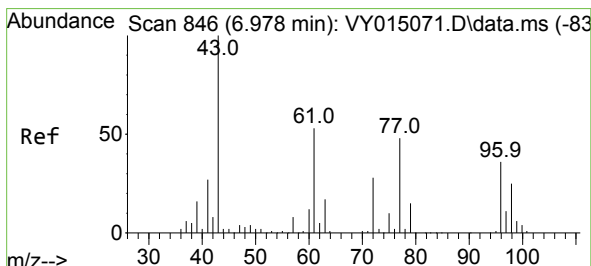
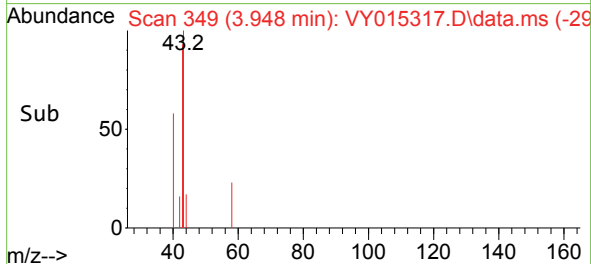
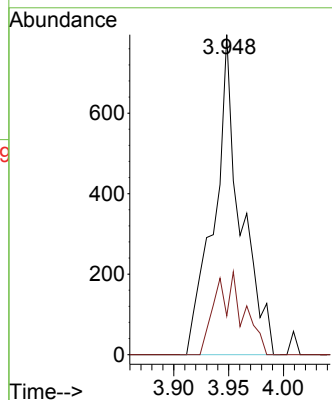
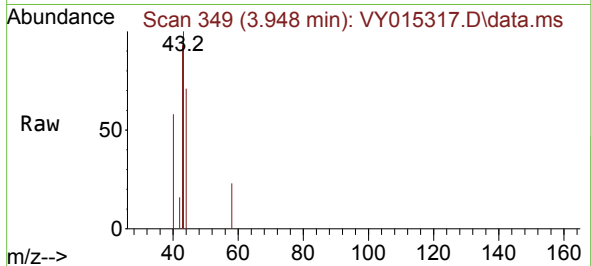




#16
Acetone
Concen: 3.840 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY015317.D
Acq: 24 Aug 2023 17:18

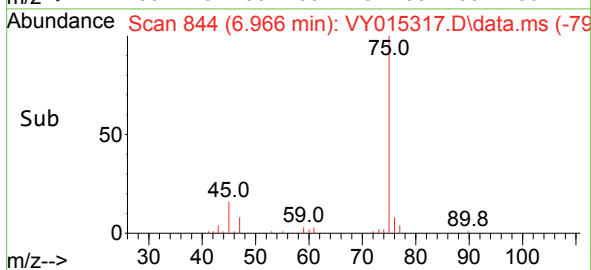
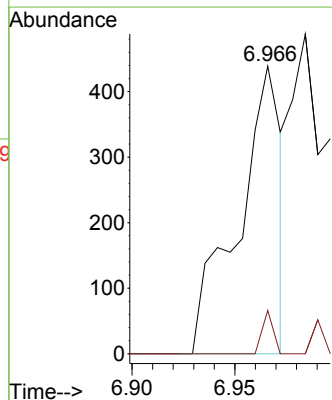
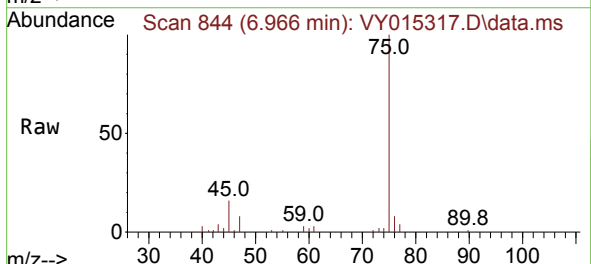
Instrument :
MSVOA_Y
ClientSampleId :

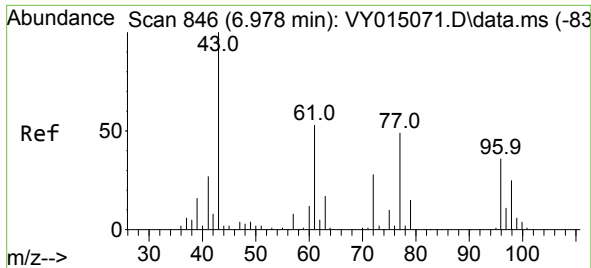
Tgt Ion: 43 Resp: 1329
Ion Ratio Lower Upper
43 100
58 12.1 22.7 34.1#



#25
2-Butanone
Concen: 1.306 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.012 min
Lab File: VY015317.D
Acq: 24 Aug 2023 17:18

Tgt Ion: 43 Resp: 640
Ion Ratio Lower Upper
43 100
72 15.0 20.5 30.7#

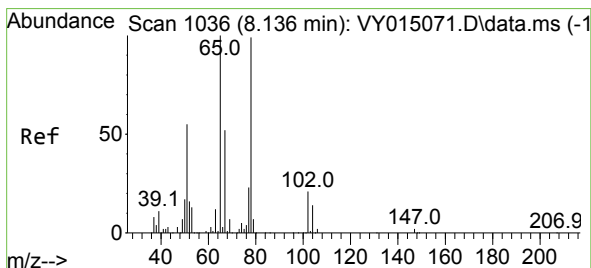
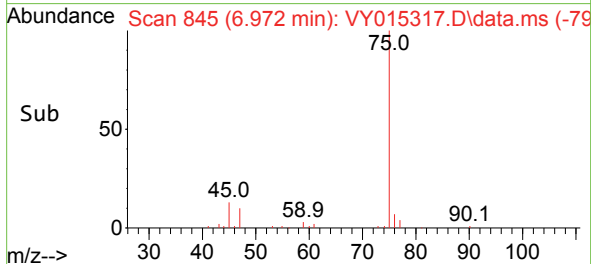
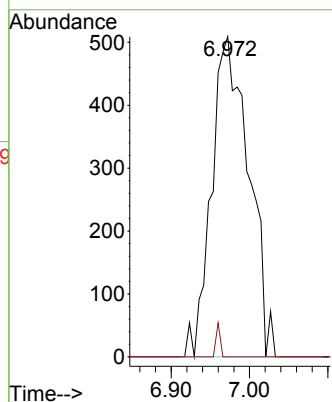
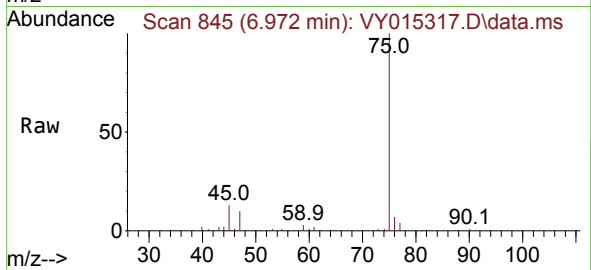




#26
2,2-Dichloropropane
Concen: 1.183 ug/l
RT: 6.972 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY015317.D
Acq: 24 Aug 2023 17:18

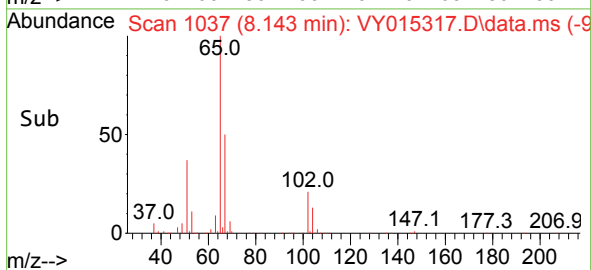
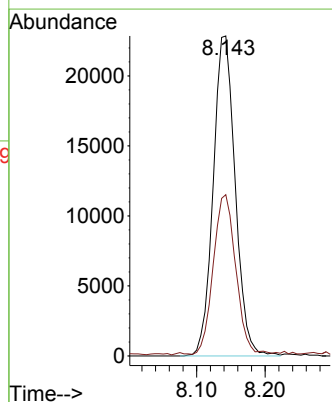
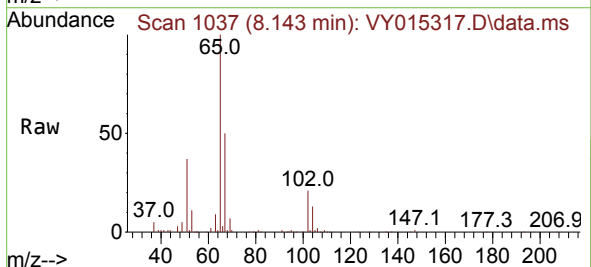
Instrument :
MSVOA_Y
ClientSampleId :

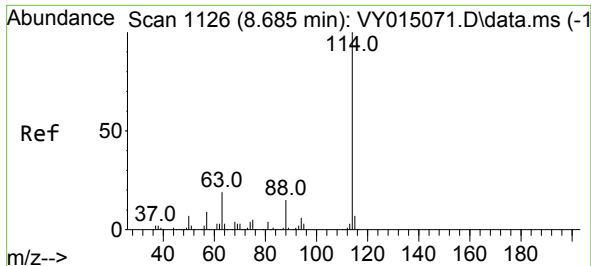
Tgt Ion: 77 Resp: 1678
Ion Ratio Lower Upper
77 100
97 1.2 10.9 32.9#



#33
1,2-Dichloroethane-d4
Concen: 48.124 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY015317.D
Acq: 24 Aug 2023 17:18

Tgt Ion: 65 Resp: 50987
Ion Ratio Lower Upper
65 100
67 50.8 0.0 101.8

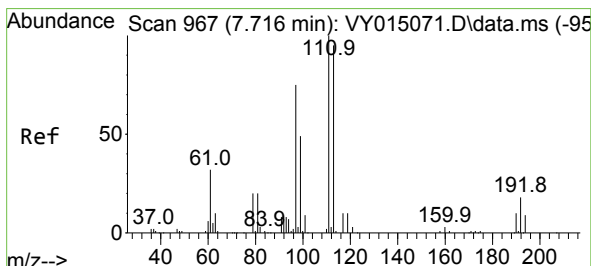
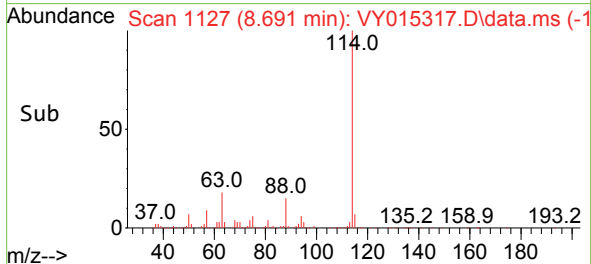
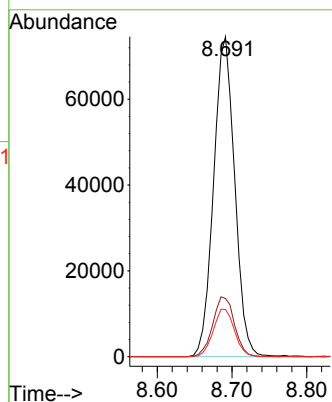
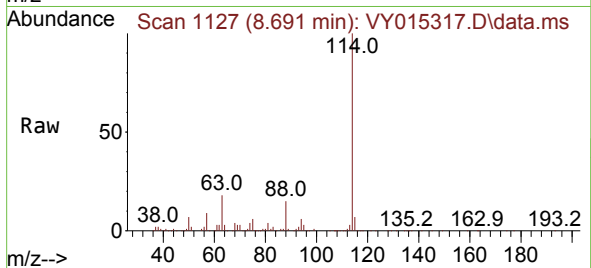




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VY015317.D
Acq: 24 Aug 2023 17:18

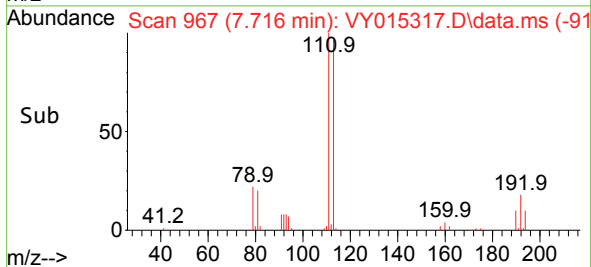
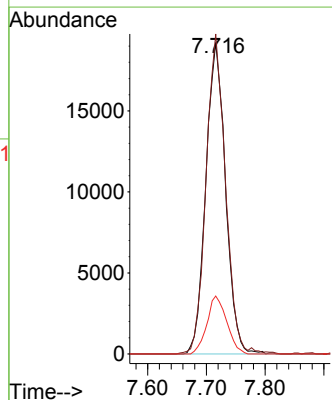
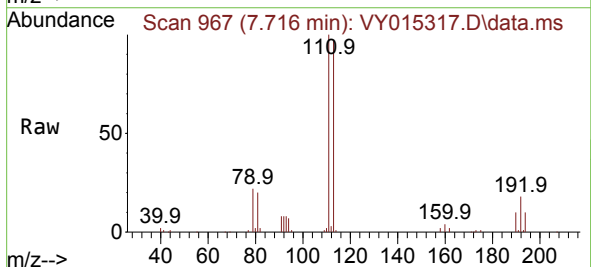
Instrument :
MSVOA_Y
ClientSampleId :

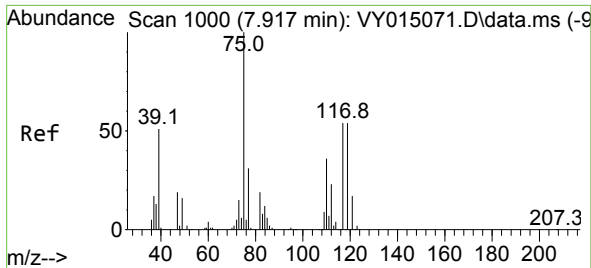
Tgt Ion:114 Resp: 146240
Ion Ratio Lower Upper
114 100
63 18.2 0.0 42.4
88 14.8 0.0 30.6



#35
Dibromofluoromethane
Concen: 47.555 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY015317.D
Acq: 24 Aug 2023 17:18

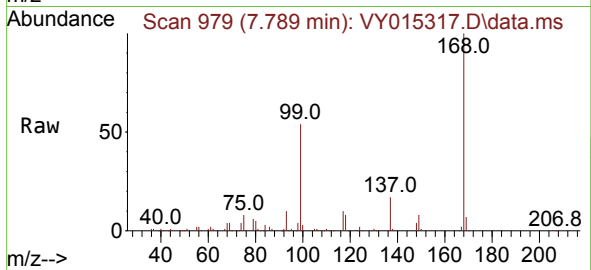
Tgt Ion:113 Resp: 44740
Ion Ratio Lower Upper
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111 101.6 81.3 121.9
192 18.7 16.9 25.3



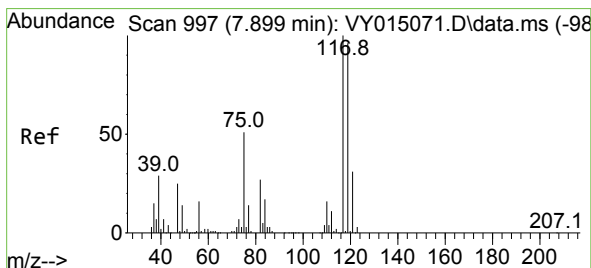
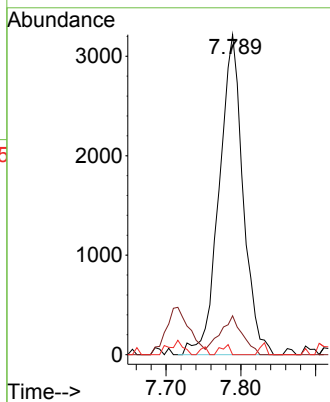
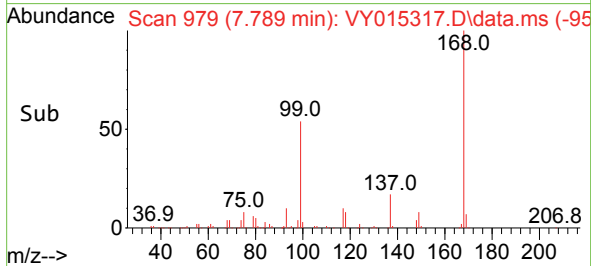


#36
 1,1-Dichloropropene
 Concen: 6.870 ug/l
 RT: 7.789 min Scan# 91
 Delta R.T. -0.122 min
 Lab File: VY015317.D
 Acq: 24 Aug 2023 17:18

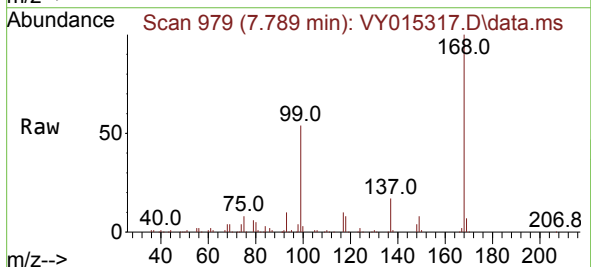
Instrument :
 MSVOA_Y
 ClientSampleId :



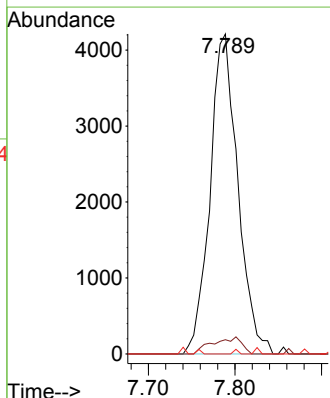
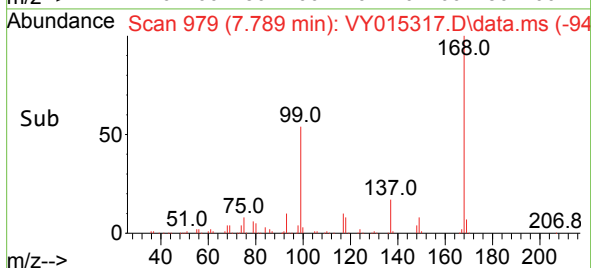
Tgt Ion: 75 Resp: 7151
 Ion Ratio Lower Upper
 75 100
 110 11.4 17.8 53.5#
 77 1.2 24.4 36.6#

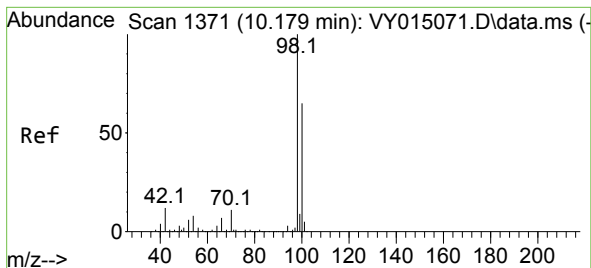


#38
 Carbon Tetrachloride
 Concen: 7.631 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.110 min
 Lab File: VY015317.D
 Acq: 24 Aug 2023 17:18



Tgt Ion: 117 Resp: 9400
 Ion Ratio Lower Upper
 117 100
 119 4.5 76.4 114.6#
 121 0.0 25.8 38.6#

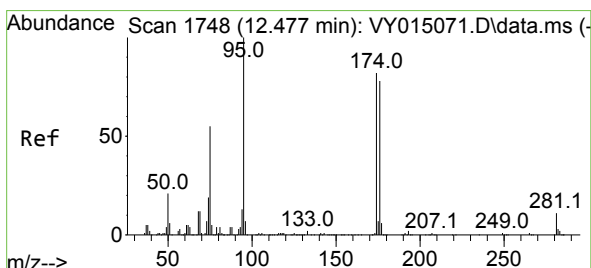
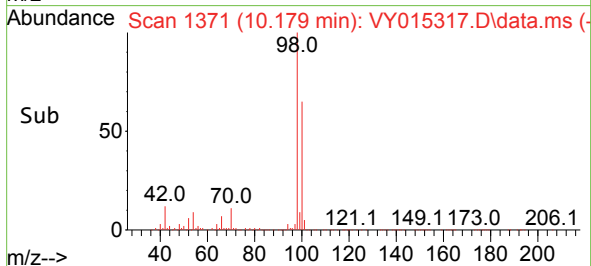
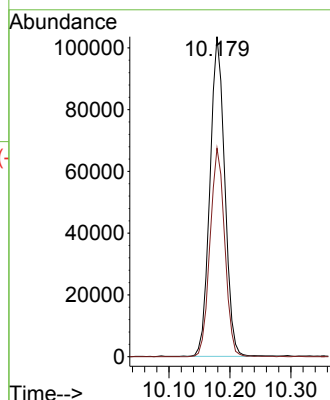
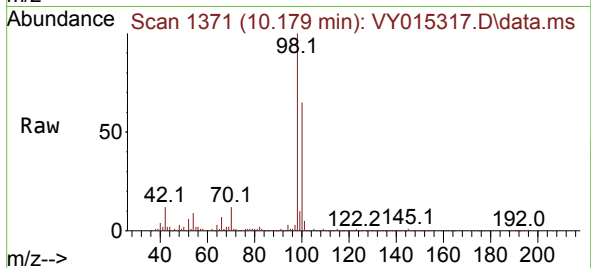




#50
Toluene-d8
Concen: 49.905 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015317.D
Acq: 24 Aug 2023 17:18

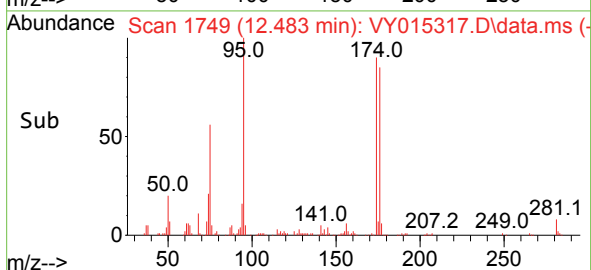
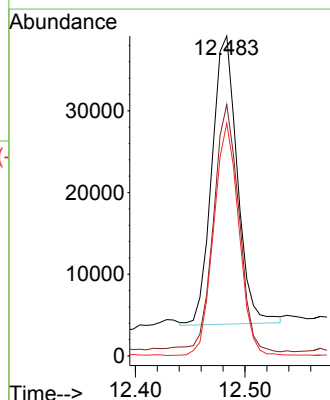
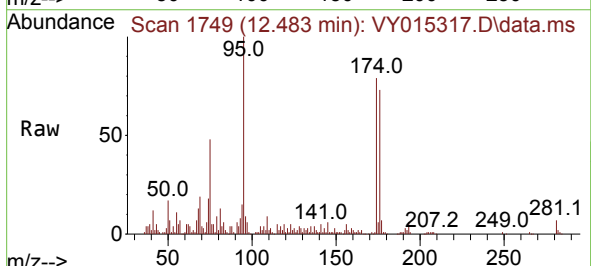
Instrument :
MSVOA_Y
ClientSampleId :

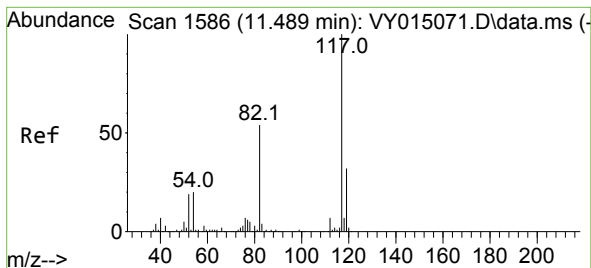
Tgt Ion: 98 Resp: 174780
Ion Ratio Lower Upper
98 100
100 64.6 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 44.465 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015317.D
Acq: 24 Aug 2023 17:18

Tgt Ion: 95 Resp: 56879
Ion Ratio Lower Upper
95 100
174 86.7 0.0 178.2
176 79.8 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015317.D

Acq: 24 Aug 2023 17:18

Instrument :

MSVOA_Y

ClientSampleId :

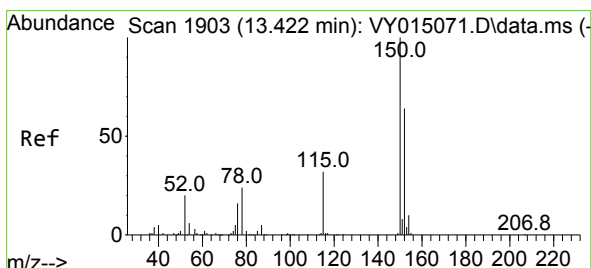
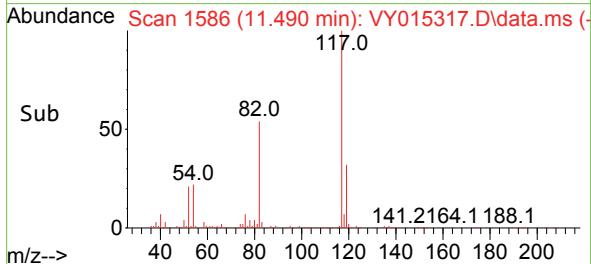
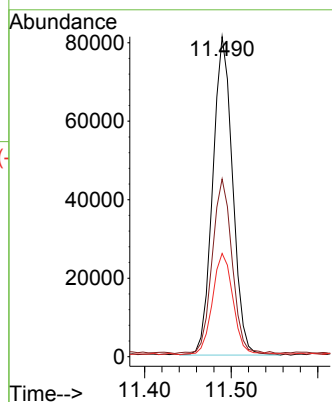
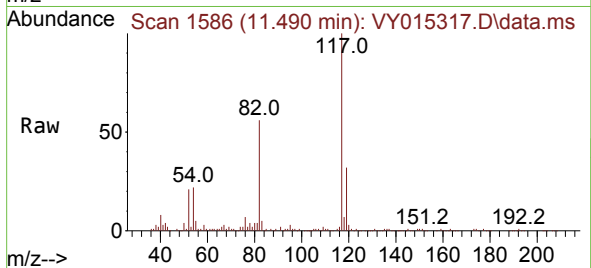
Tgt Ion:117 Resp: 129511

Ion Ratio Lower Upper

117 100

82 54.7 43.4 65.0

119 31.8 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY015317.D

Acq: 24 Aug 2023 17:18

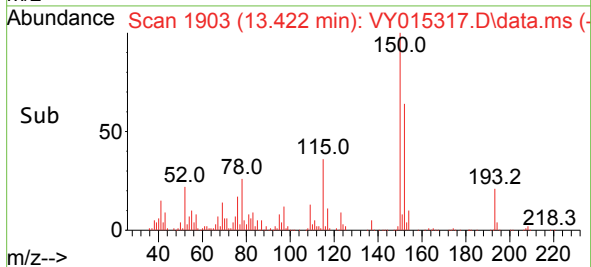
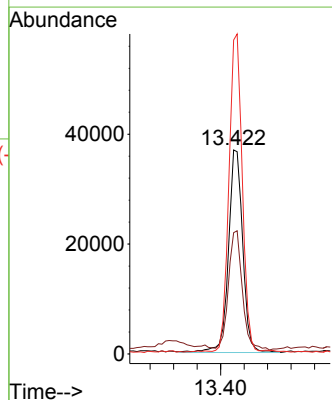
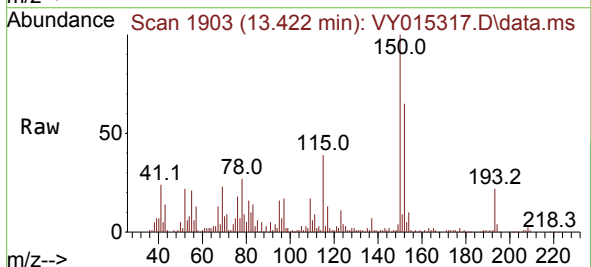
Tgt Ion:152 Resp: 62118

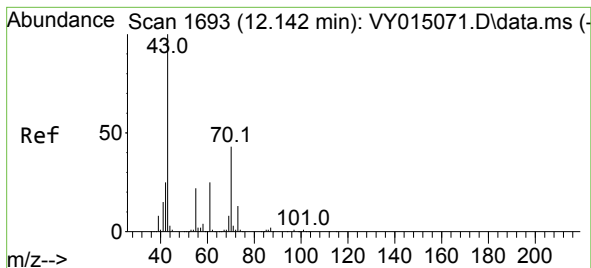
Ion Ratio Lower Upper

152 100

115 57.2 28.8 86.5

150 145.3 0.0 348.8





#74

N-amy1 acetate

Concen: 9.509 ug/l

RT: 12.124 min Scan# 1

Delta R.T. -0.018 min

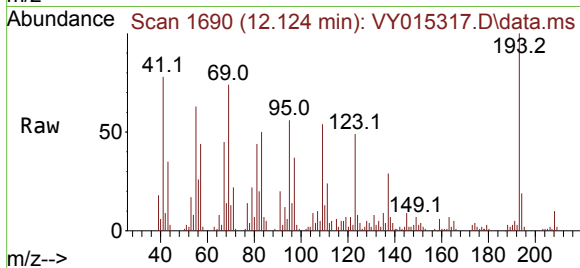
Lab File: VY015317.D

Acq: 24 Aug 2023 17:18

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 43 Resp: 13713

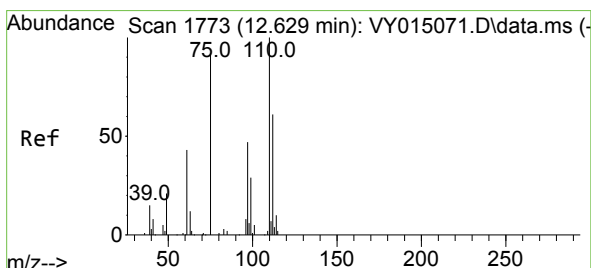
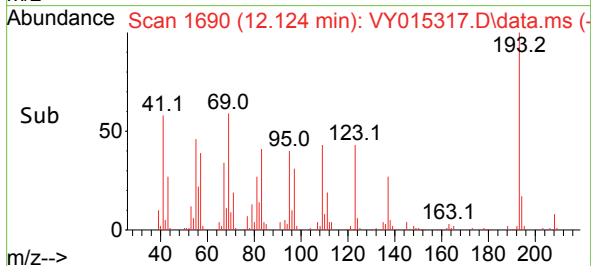
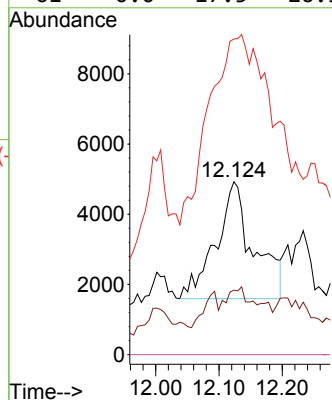
Ion Ratio Lower Upper

43 100

70 19.0 29.7 44.5#

55 278.3 18.3 27.5#

61 0.0 17.5 26.3#



#76

1,2,3-Trichloropropane

Concen: 40.211 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY015317.D

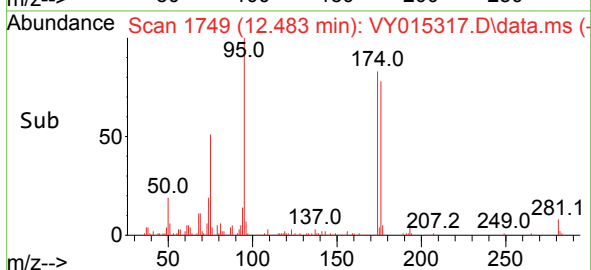
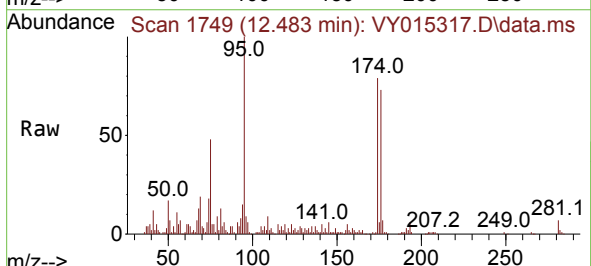
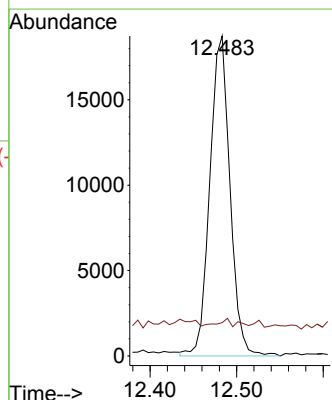
Acq: 24 Aug 2023 17:18

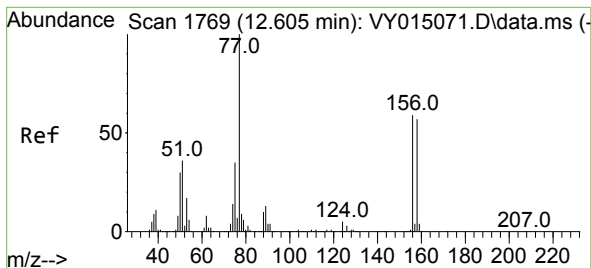
Tgt Ion: 75 Resp: 30347

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#





#77

Bromobenzene

Concen: 9.324 ug/l

RT: 12.392 min Scan# 1769

Delta R.T. -0.213 min

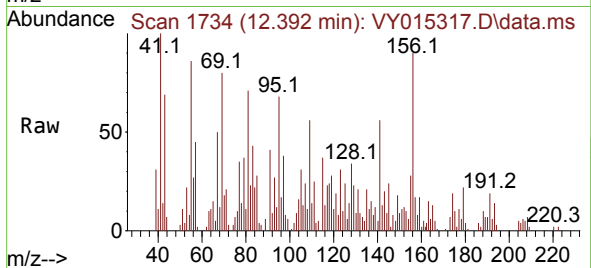
Lab File: VY015317.D

Acq: 24 Aug 2023 17:18

Instrument :

MSVOA_Y

ClientSampleId :



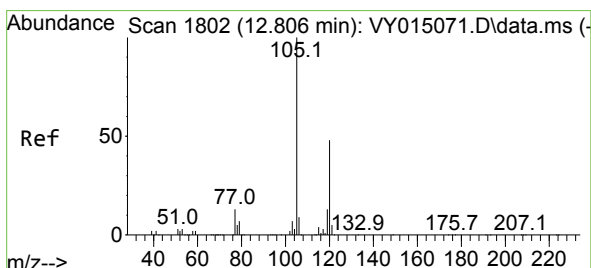
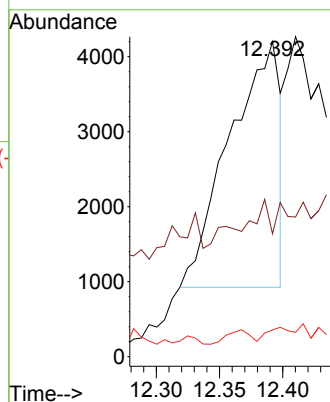
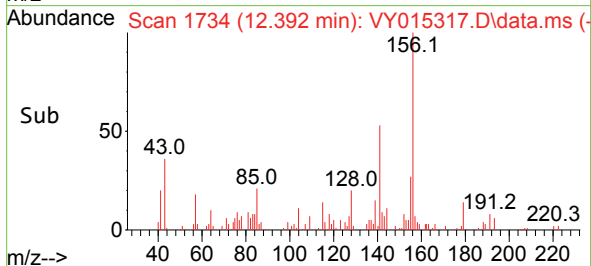
Tgt Ion:156 Resp: 9078

Ion Ratio Lower Upper

156 100

77 3.6 92.8 278.6#

158 2.9 48.4 145.3#



#80

1,3,5-Trimethylbenzene

Concen: 2.153 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. 0.000 min

Lab File: VY015317.D

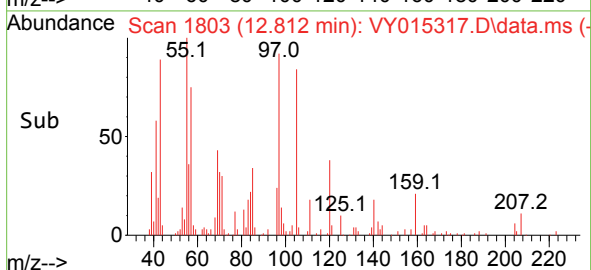
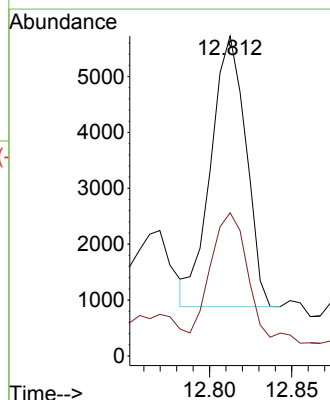
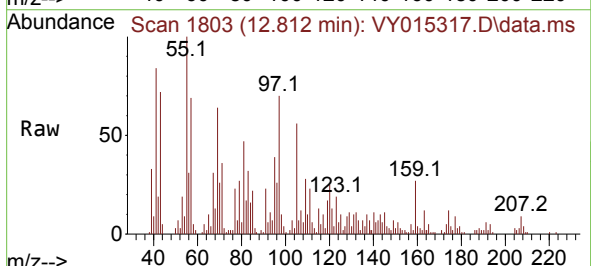
Acq: 24 Aug 2023 17:18

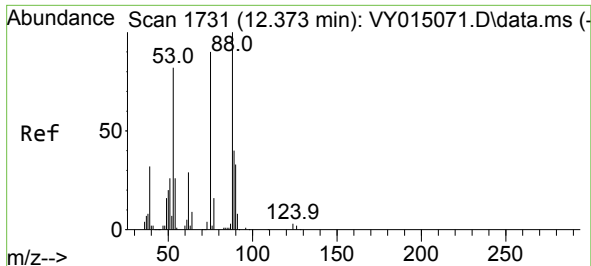
Tgt Ion:105 Resp: 7170

Ion Ratio Lower Upper

105 100

120 52.2 23.9 71.7

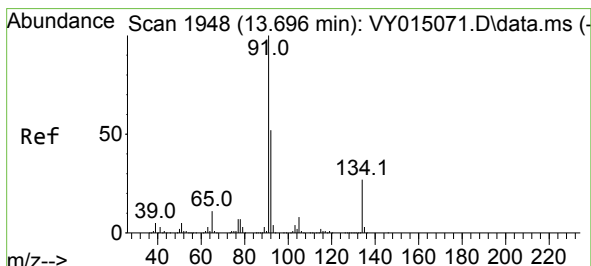
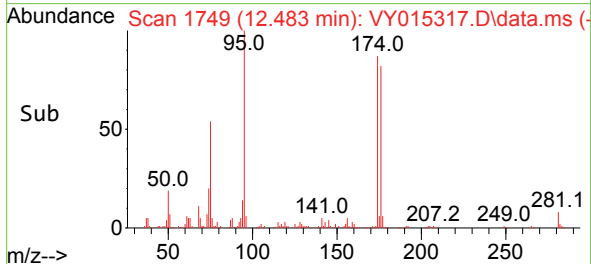
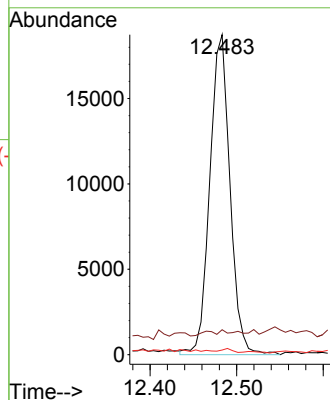
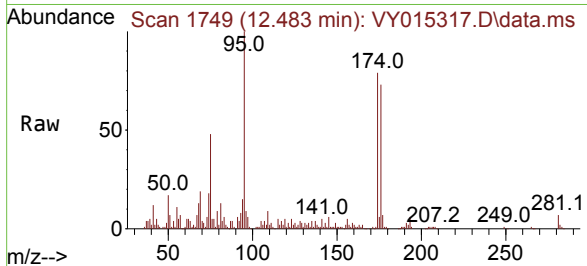




#81
trans-1,4-Dichloro-2-butene
Concen: 88.323 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.110 min
Lab File: VY015317.D
Acq: 24 Aug 2023 17:18

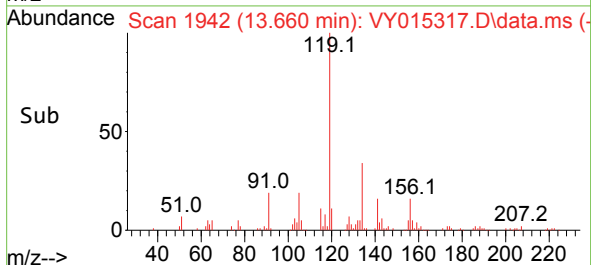
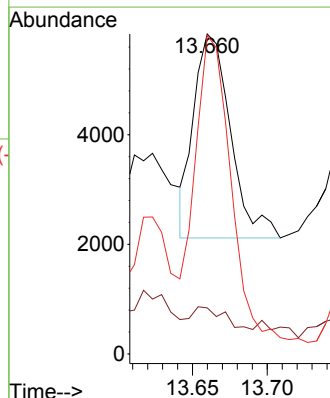
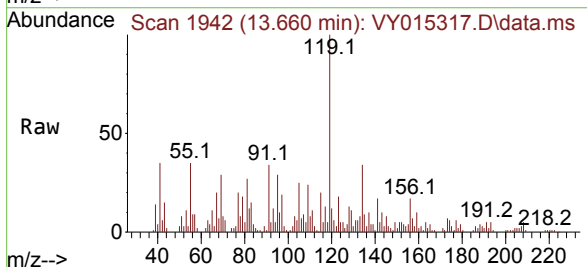
Instrument :
MSVOA_Y
ClientSampleId :

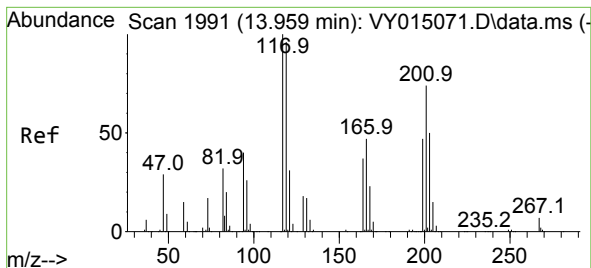
Tgt Ion: 75 Resp: 30347
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.5 37.4 56.0#



#89
n-Butylbenzene
Concen: 1.826 ug/l
RT: 13.660 min Scan# 1942
Delta R.T. -0.036 min
Lab File: VY015317.D
Acq: 24 Aug 2023 17:18

Tgt Ion: 91 Resp: 6370
Ion Ratio Lower Upper
91 100
92 9.6 25.4 76.0#
134 145.6 12.6 37.6#





#90

Hexachloroethane

Concen: 4.147 ug/l

RT: 13.971 min Scan# 1993

Delta R.T. 0.012 min

Lab File: VY015317.D

Acq: 24 Aug 2023 17:18

Instrument :

MSVOA_Y

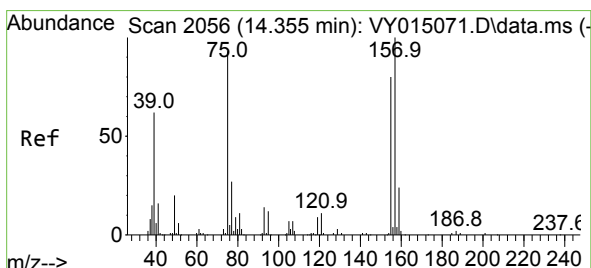
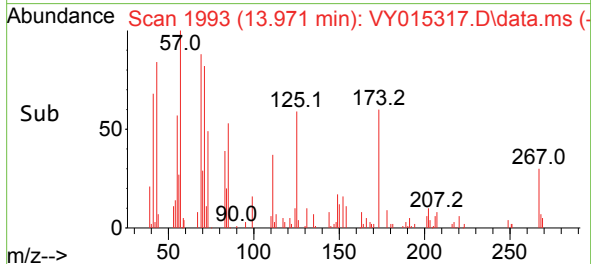
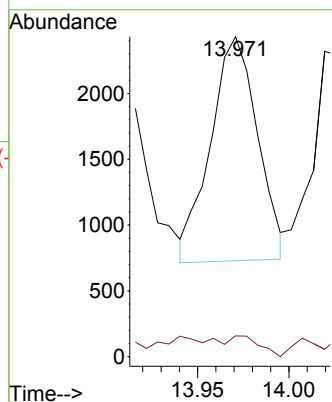
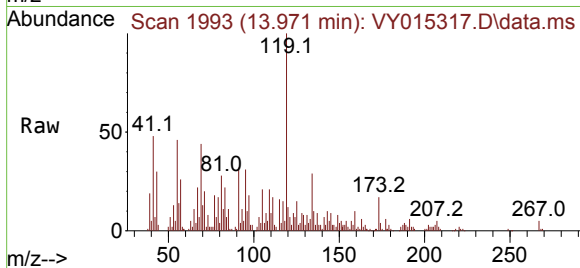
ClientSampleId :

Tgt Ion:117 Resp: 3044

Ion Ratio Lower Upper

117 100

201 0.0 41.6 124.8#



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.367 ug/l

RT: 14.379 min Scan# 2060

Delta R.T. 0.025 min

Lab File: VY015317.D

Acq: 24 Aug 2023 17:18

Tgt Ion: 75 Resp: 477

Ion Ratio Lower Upper

75 100

155 25.2 41.5 124.6#

157 0.0 51.8 155.5#

