

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081723\
 Data File : VY015169.D
 Acq On : 17 Aug 2023 14:06
 Operator : SY/MD
 Sample : 04046-01
 Misc : 4.32g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 18 00:53:29 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)

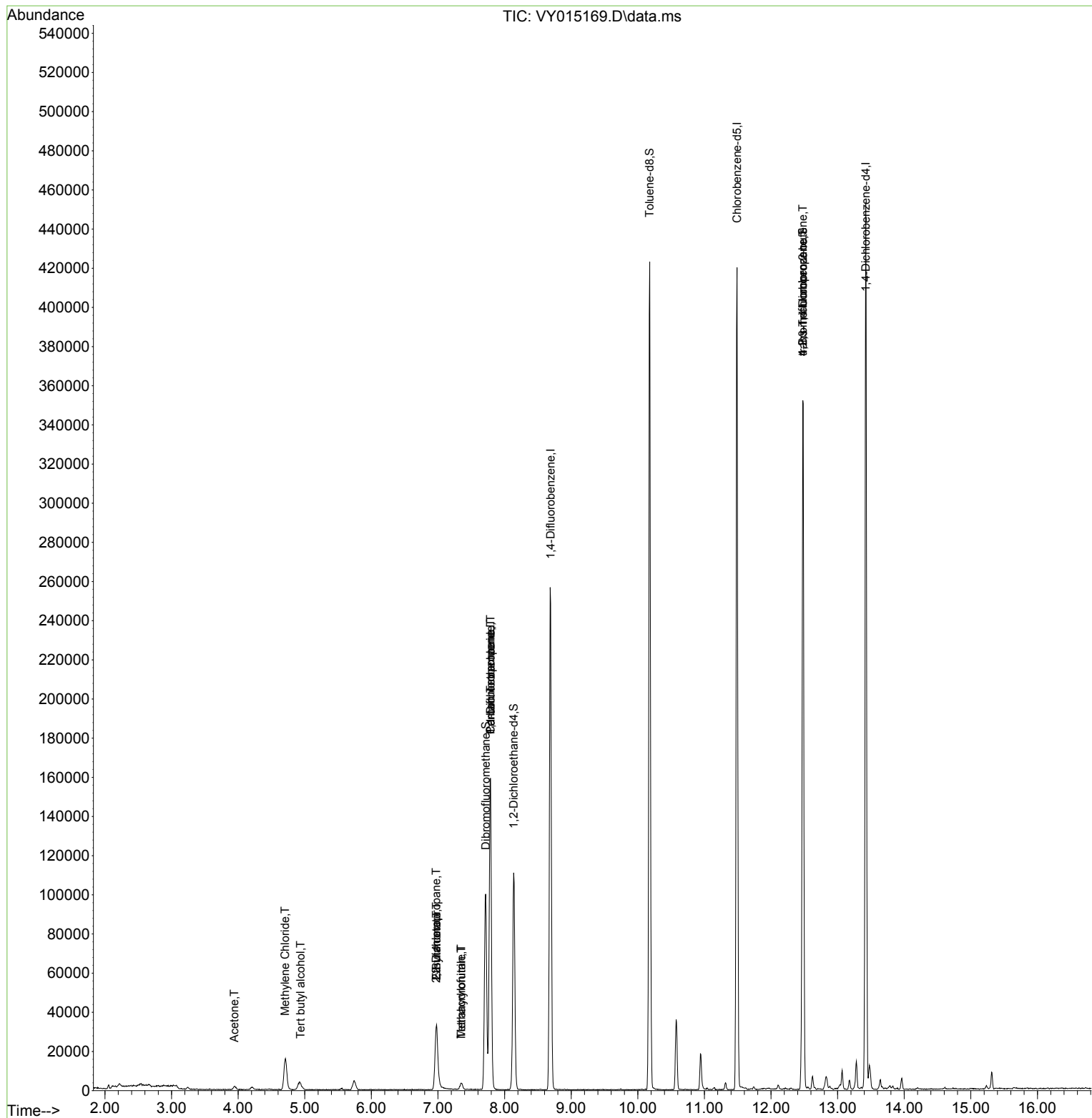
Internal Standards						
1) Pentafluorobenzene	7.789	168	126697	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	222133	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	224883	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	112945	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	85765	56.392	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.780%	
35) Dibromofluoromethane	7.716	113	70936	49.638	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.280%	
50) Toluene-d8	10.179	98	269128	50.590	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.180%	
62) 4-Bromofluorobenzene	12.477	95	101510	52.243	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 104.480%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	331	Below Cal		93
5) Bromomethane	2.674	94	230	Below Cal	#	63
11) Tert butyl alcohol	4.936	59	4508	1.927	ug/l #	89
16) Acetone	3.942	43	3185	6.410	ug/l	100
20) Methylene Chloride	4.704	84	12205	6.485	ug/l #	83
25) 2-Butanone	6.978	43	2003	2.847	ug/l #	49
26) 2,2-Dichloropropane	6.972	77	2560	1.258	ug/l #	54
29) Tetrahydrofuran	7.350	42	2735	6.502	ug/l	96
31) Cyclohexane	7.783	56	2618	Below Cal	#	11
36) 1,1-Dichloropropene	7.789	75	10180	6.439	ug/l #	50
37) Ethyl Acetate	6.978	43	2003	1.359	ug/l #	1
38) Carbon Tetrachloride	7.789	117	12563	6.714	ug/l #	16
41) Methacrylonitrile	7.350	41	1619	2.131	ug/l #	40
76) 1,2,3-Trichloropropane	12.477	75	56031	40.833	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	56031	89.689	ug/l #	11

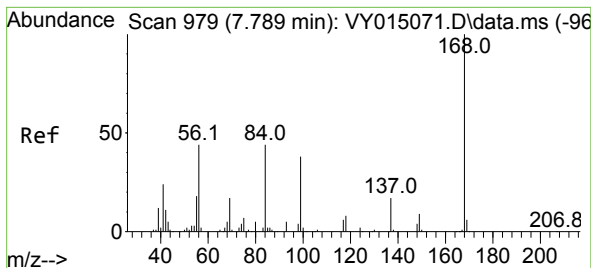
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Aug 14 12:43:26 2023
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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: VY015169.D

Acq: 17 Aug 2023 14:06

Instrument :

MSVOA_Y

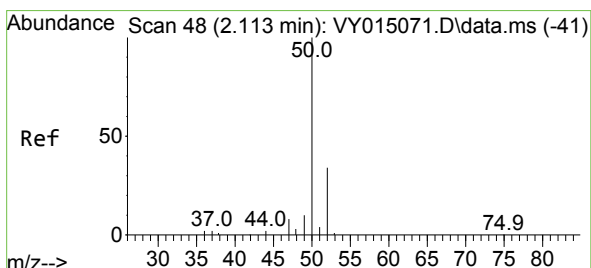
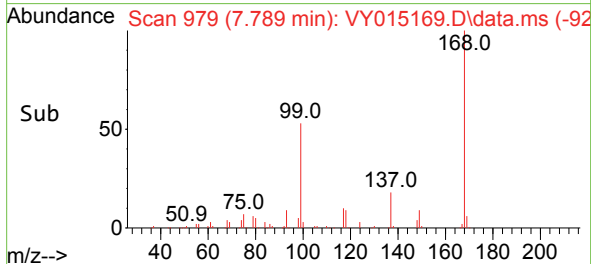
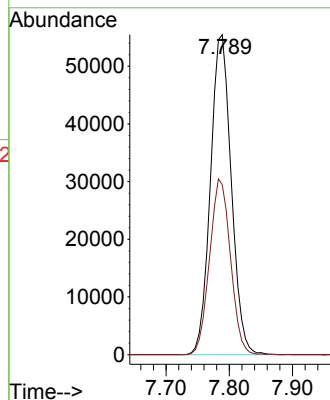
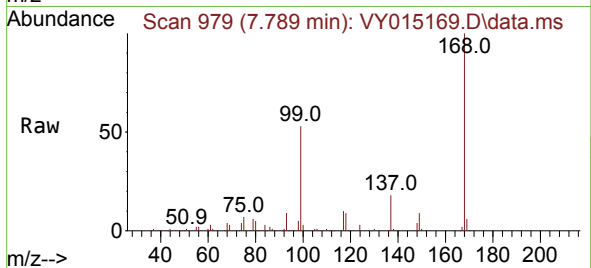
ClientSampleId :

Tgt Ion:168 Resp: 126697

Ion Ratio Lower Upper

168 100

99 53.1 43.4 65.0



#3

Chloromethane

Concen: Below Cal

RT: 2.107 min Scan# 47

Delta R.T. 0.000 min

Lab File: VY015169.D

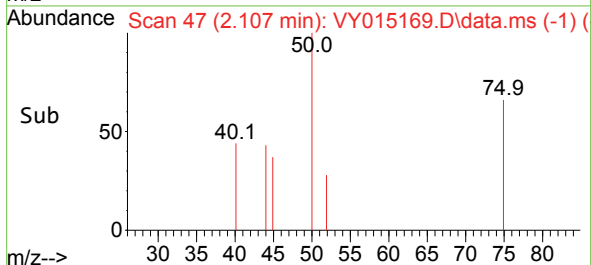
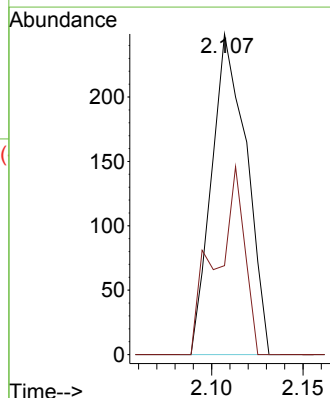
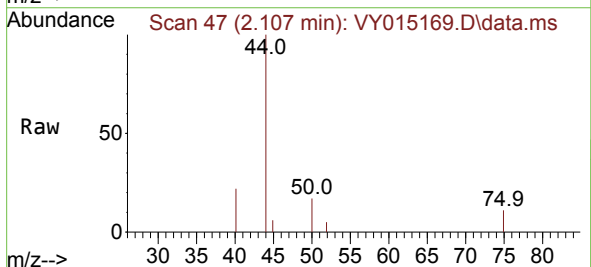
Acq: 17 Aug 2023 14:06

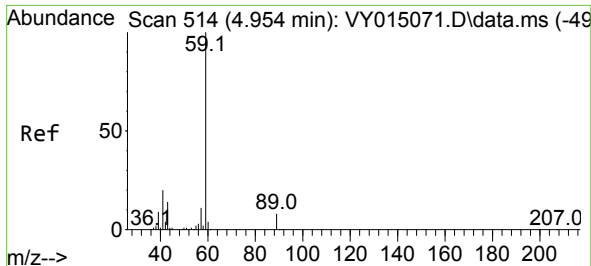
Tgt Ion: 50 Resp: 331

Ion Ratio Lower Upper

50 100

52 27.7 25.4 38.2





#11

Tert butyl alcohol

Concen: 1.927 ug/l

RT: 4.936 min Scan# 514

Delta R.T. -0.012 min

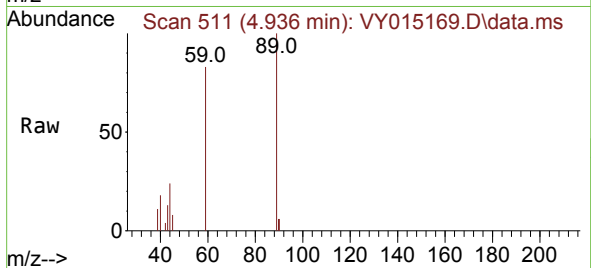
Lab File: VY015169.D

Acq: 17 Aug 2023 14:06

Instrument :

MSVOA_Y

ClientSampleId :

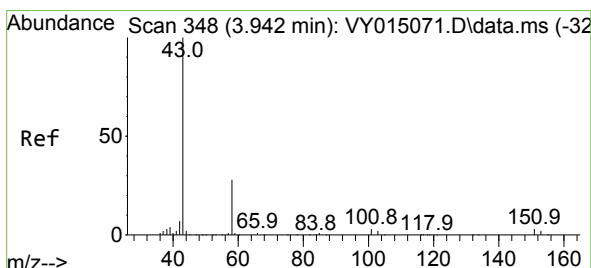
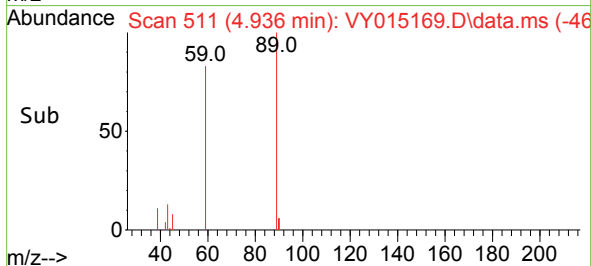
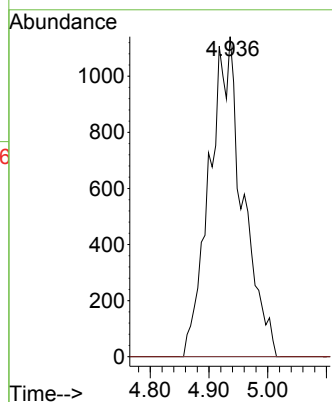


Tgt Ion: 59 Resp: 4508

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#



#16

Acetone

Concen: 6.410 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.000 min

Lab File: VY015169.D

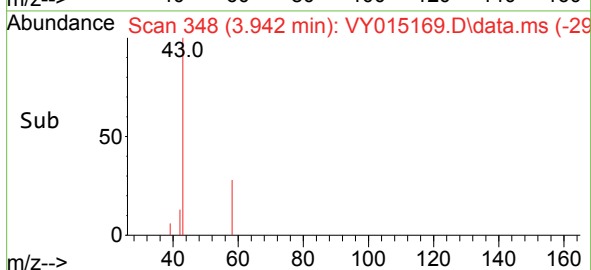
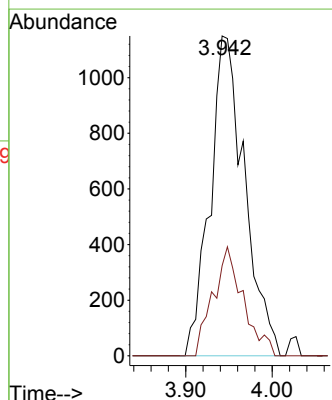
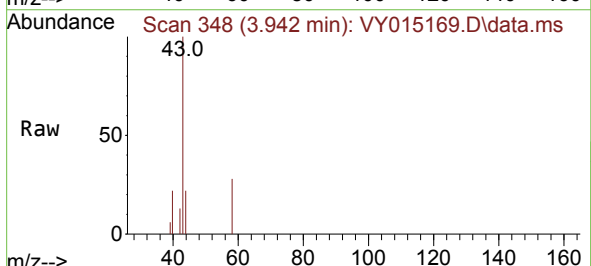
Acq: 17 Aug 2023 14:06

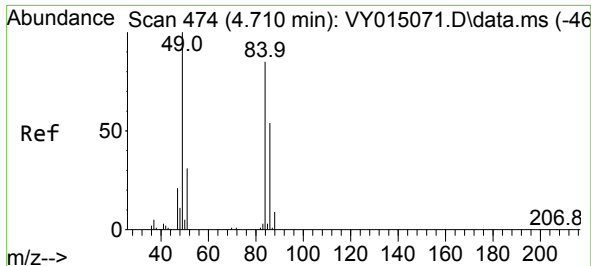
Tgt Ion: 43 Resp: 3185

Ion Ratio Lower Upper

43 100

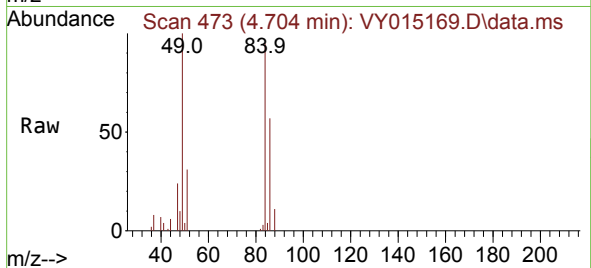
58 28.2 22.7 34.1



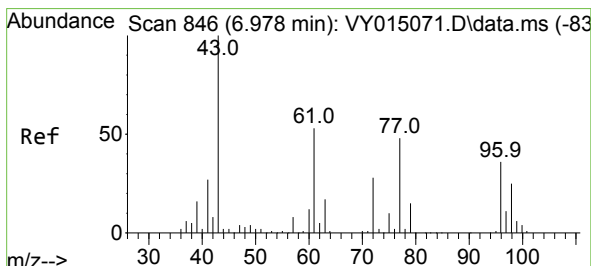
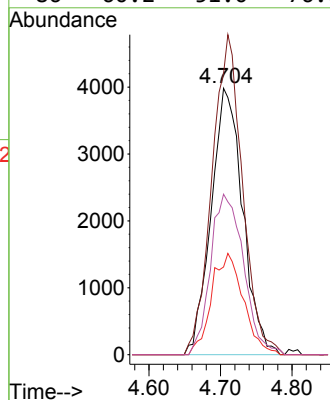
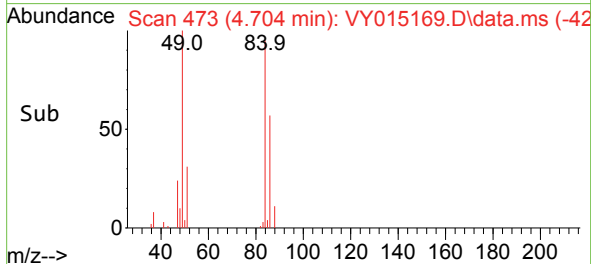


#20
Methylene Chloride
Concen: 6.485 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY015169.D
Acq: 17 Aug 2023 14:06

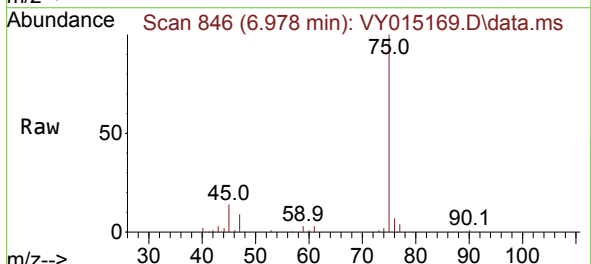
Instrument :
MSVOA_Y
ClientSampleId :



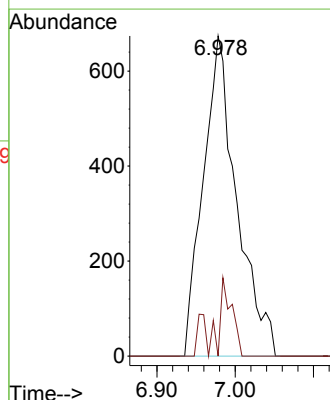
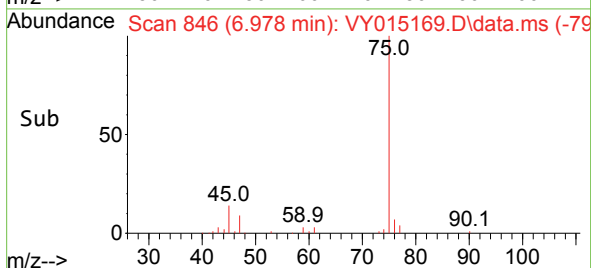
Tgt Ion: 84 Resp: 12205
Ion Ratio Lower Upper
84 100
49 105.5 106.9 160.3#
51 32.9 33.2 49.8#
86 60.2 51.0 76.6

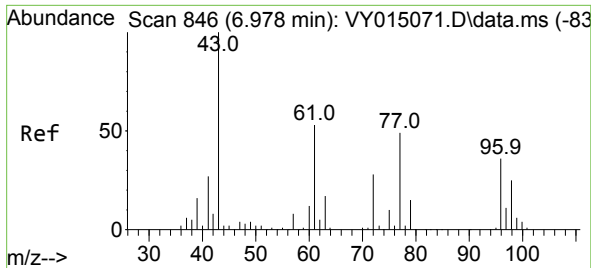


#25
2-Butanone
Concen: 2.847 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY015169.D
Acq: 17 Aug 2023 14:06



Tgt Ion: 43 Resp: 2003
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#

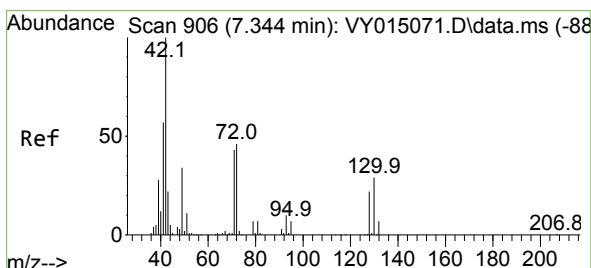
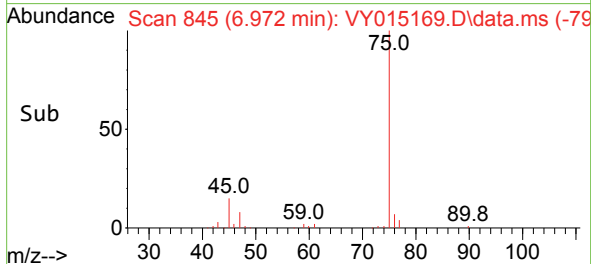
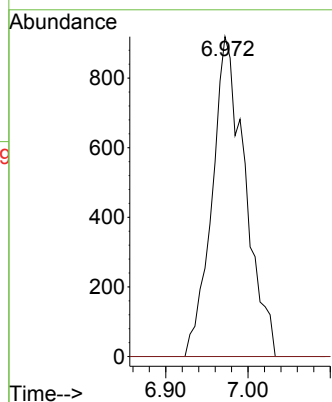
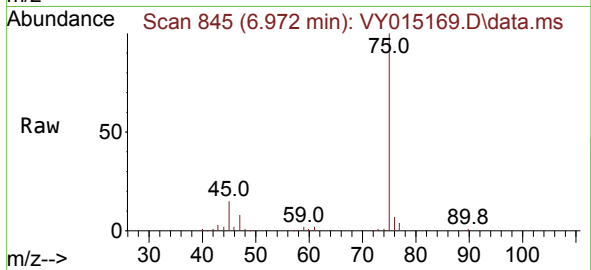




#26
2,2-Dichloropropane
Concen: 1.258 ug/l
RT: 6.972 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY015169.D
Acq: 17 Aug 2023 14:06

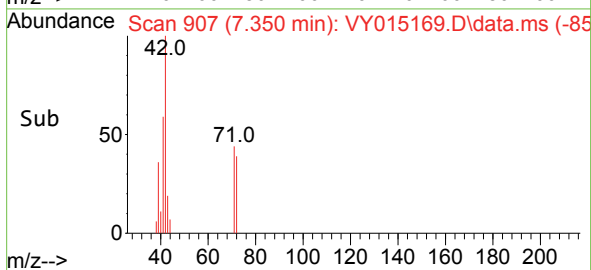
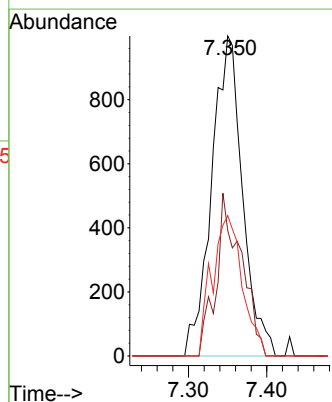
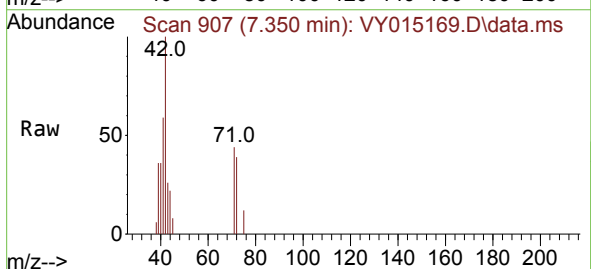
Instrument :
MSVOA_Y
ClientSampleId :

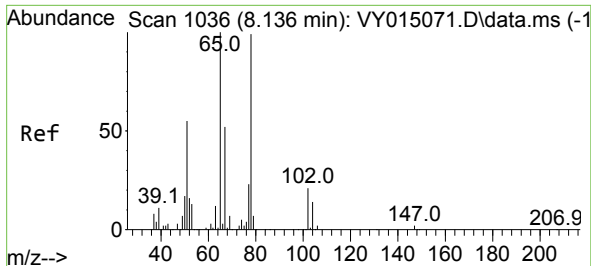
Tgt Ion: 77 Resp: 2560
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#29
Tetrahydrofuran
Concen: 6.502 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY015169.D
Acq: 17 Aug 2023 14:06

Tgt Ion: 42 Resp: 2735
Ion Ratio Lower Upper
42 100
72 41.8 32.8 49.2
71 42.8 31.0 46.4





#33

1,2-Dichloroethane-d4

Concen: 56.392 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015169.D

Acq: 17 Aug 2023 14:06

Instrument :

MSVOA_Y

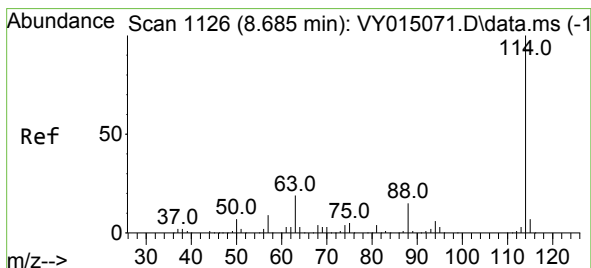
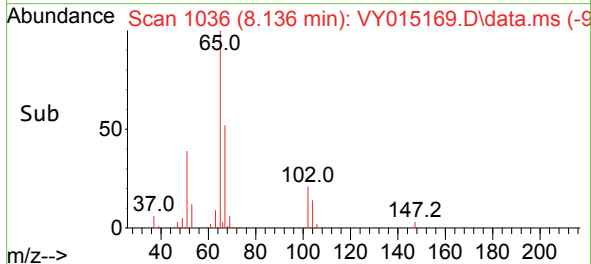
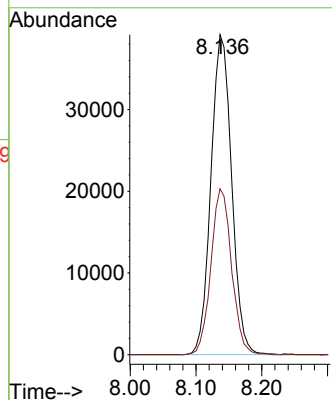
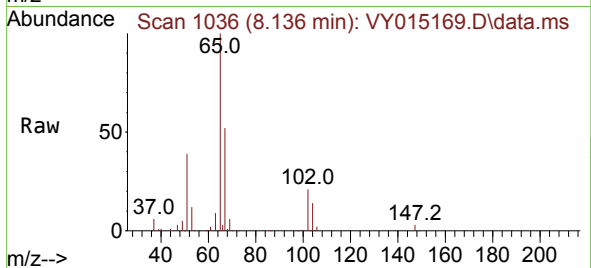
ClientSampleId :

Tgt Ion: 65 Resp: 85765

Ion Ratio Lower Upper

65 100

67 51.8 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: VY015169.D

Acq: 17 Aug 2023 14:06

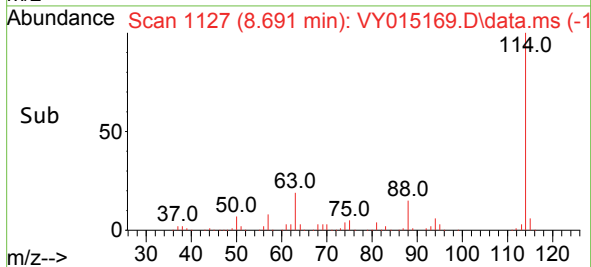
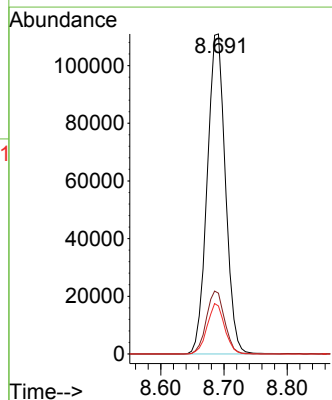
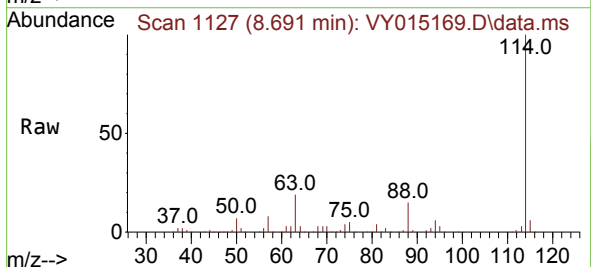
Tgt Ion: 114 Resp: 222133

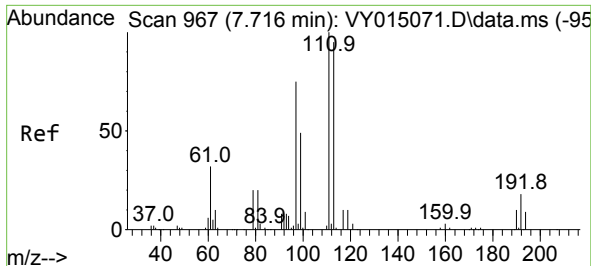
Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.4

88 15.0 0.0 30.6

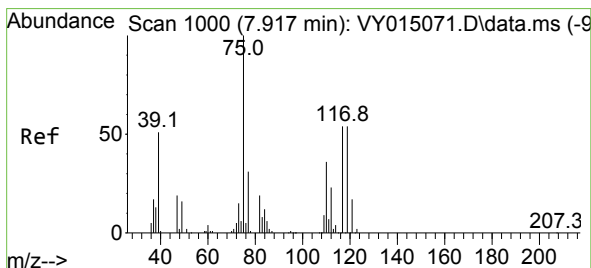
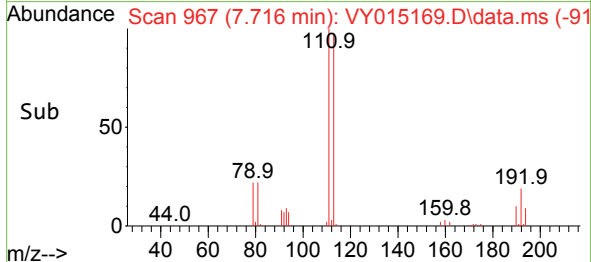
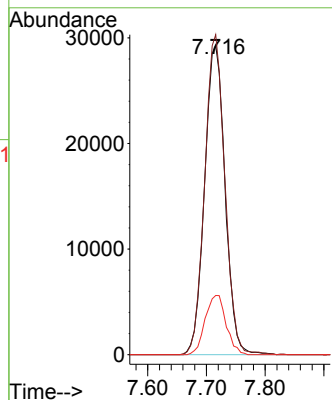
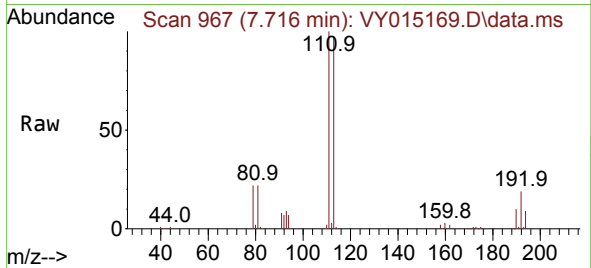




#35
 Dibromofluoromethane
 Concen: 49.638 ug/l
 RT: 7.716 min Scan# 90
 Delta R.T. 0.000 min
 Lab File: VY015169.D
 Acq: 17 Aug 2023 14:06

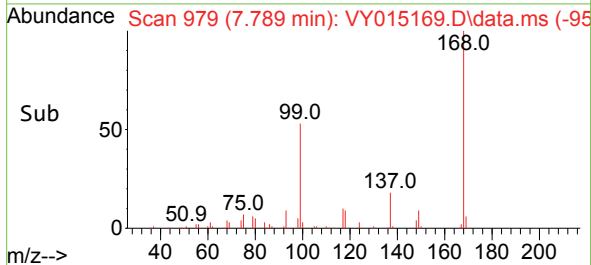
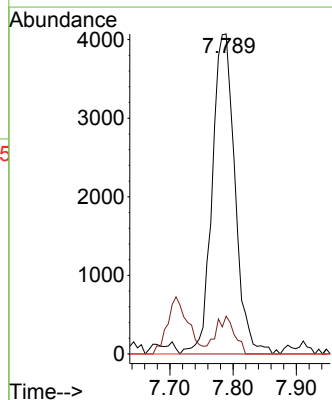
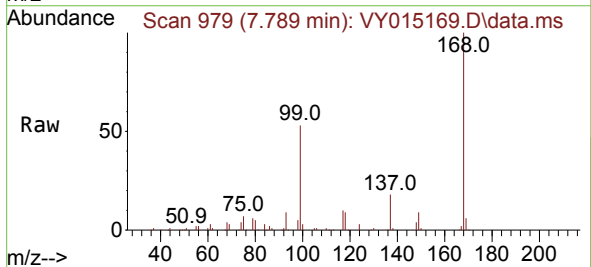
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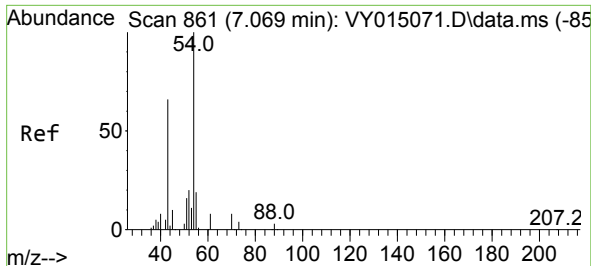
Tgt Ion:113 Resp: 70936
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.3 121.9
 192 19.6 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 6.439 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.122 min
 Lab File: VY015169.D
 Acq: 17 Aug 2023 14:06

Tgt Ion: 75 Resp: 10180
 Ion Ratio Lower Upper
 75 100
 110 9.8 17.8 53.5#
 77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.359 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.091 min

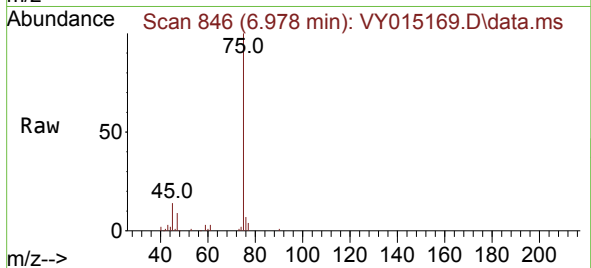
Lab File: VY015169.D

Acq: 17 Aug 2023 14:06

Instrument :

MSVOA_Y

ClientSampleId :



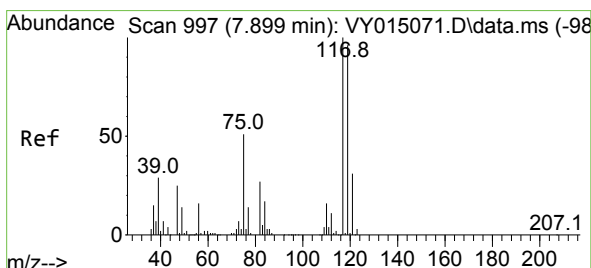
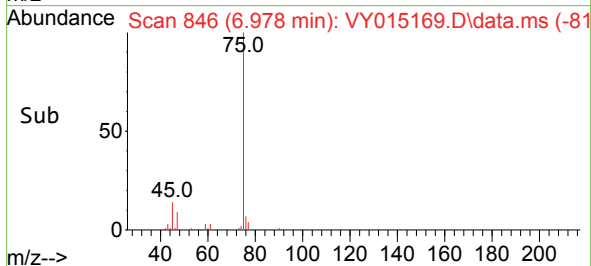
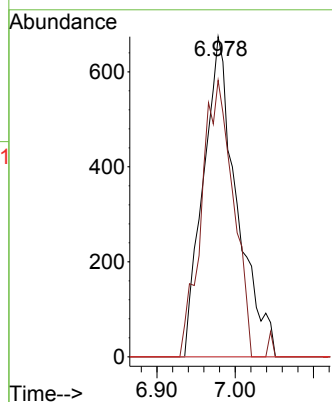
Tgt Ion: 43 Resp: 2003

Ion Ratio Lower Upper

43 100

61 82.0 10.1 15.1#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 6.714 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY015169.D

Acq: 17 Aug 2023 14:06

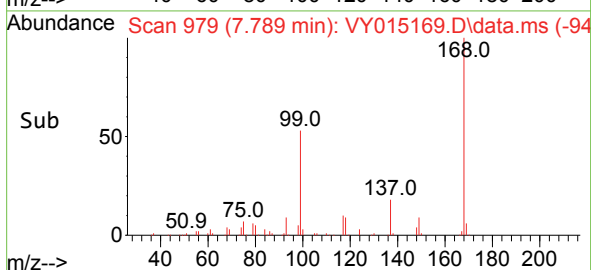
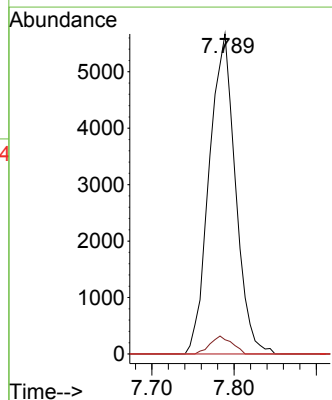
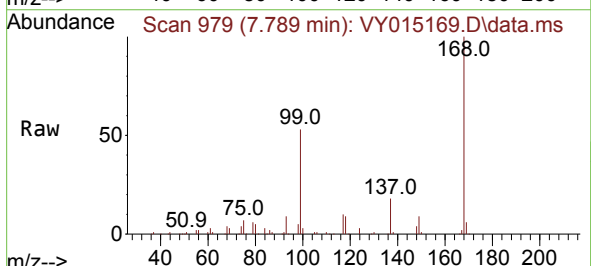
Tgt Ion: 117 Resp: 12563

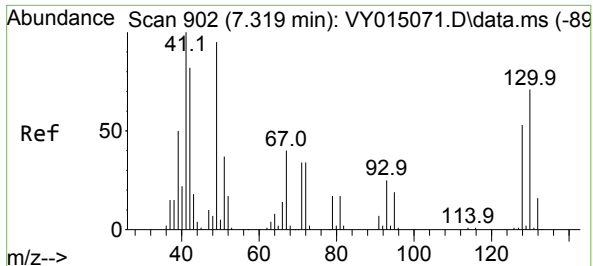
Ion Ratio Lower Upper

117 100

119 4.4 76.4 114.6#

121 0.0 25.8 38.6#

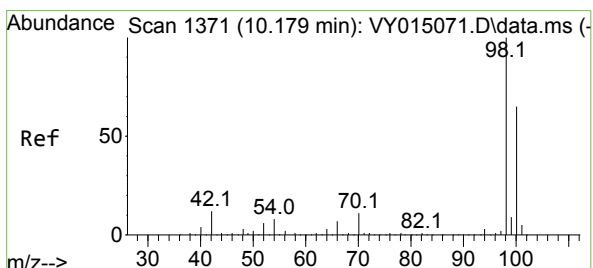
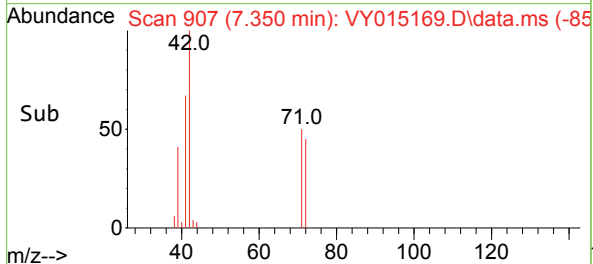
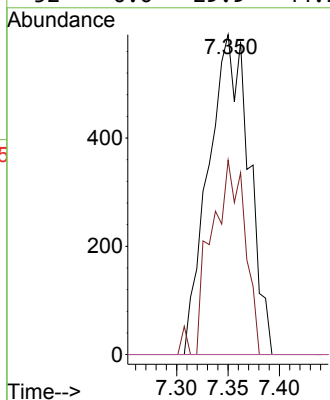
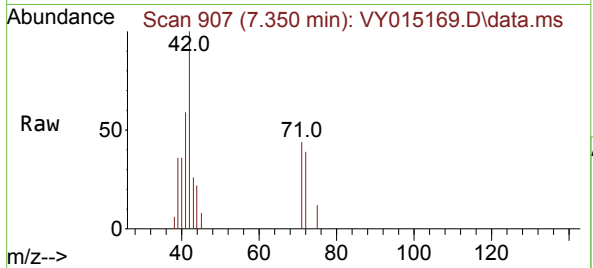




#41
Methacrylonitrile
Concen: 2.131 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.043 min
Lab File: VY015169.D
Acq: 17 Aug 2023 14:06

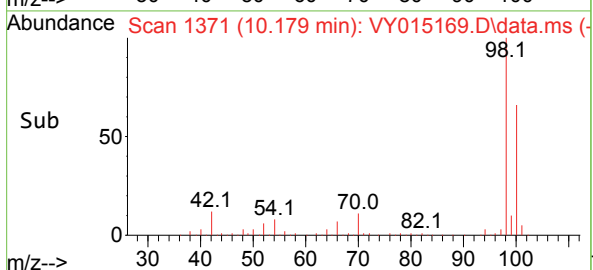
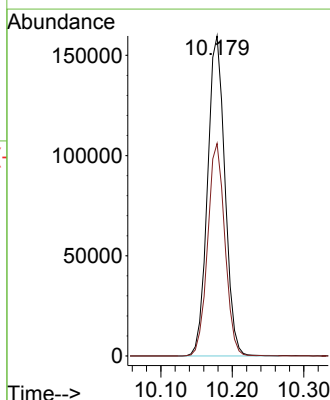
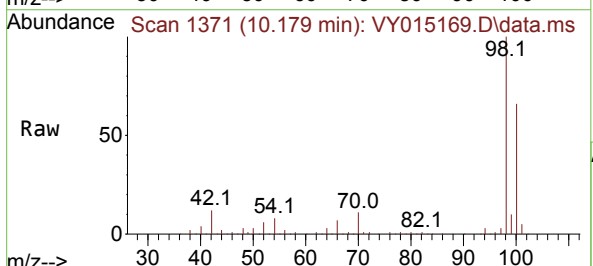
Instrument :
MSVOA_Y
ClientSampleId :

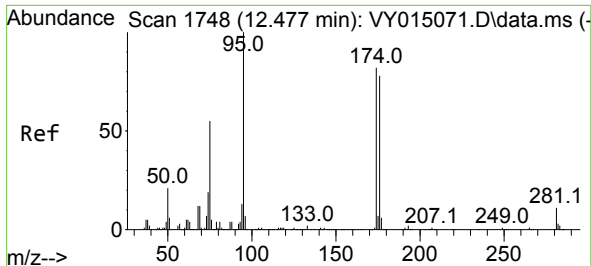
Tgt Ion: 41	Resp: 1619
Ion Ratio	Lower Upper
41 100	
39 50.8	52.1 78.1#
67 0.0	66.2 99.2#
52 0.0	29.9 44.9#



#50
Toluene-d8
Concen: 50.590 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015169.D
Acq: 17 Aug 2023 14:06

Tgt Ion: 98	Resp: 269128
Ion Ratio	Lower Upper
98 100	
100 65.9	50.1 75.1

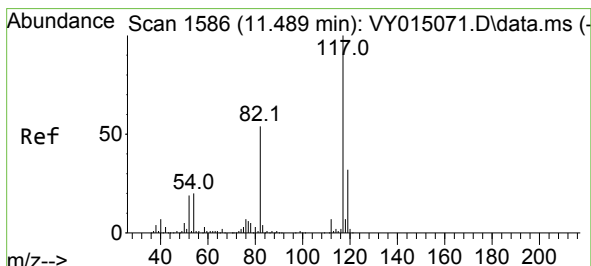
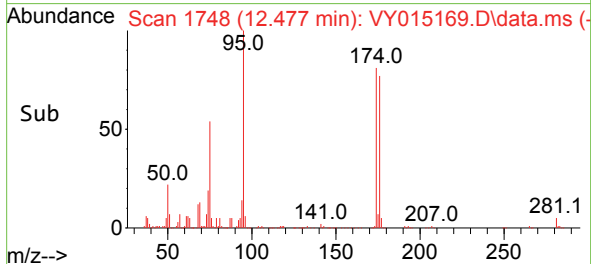
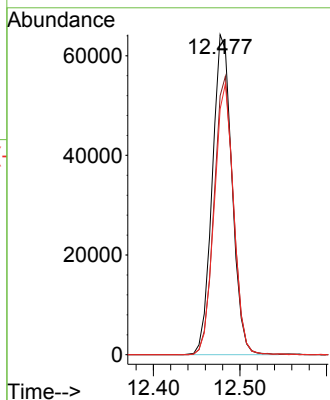
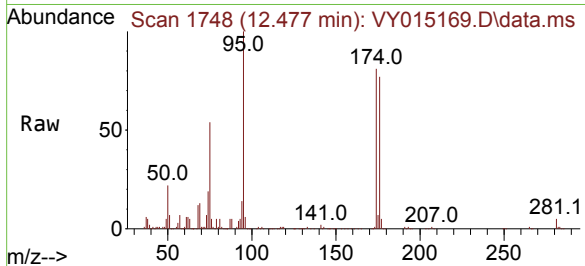




#62
4-Bromofluorobenzene
Concen: 52.243 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015169.D
Acq: 17 Aug 2023 14:06

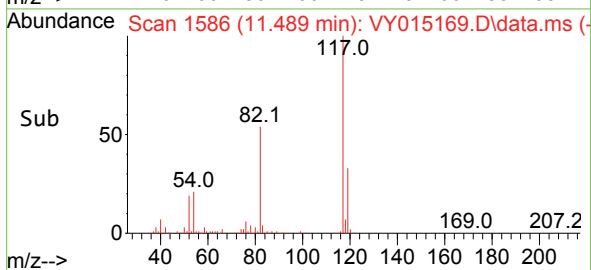
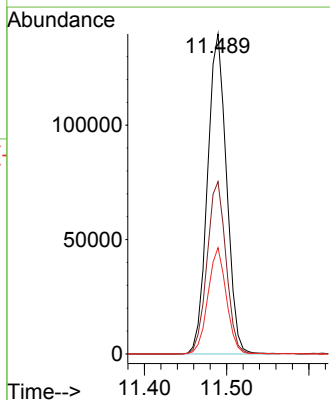
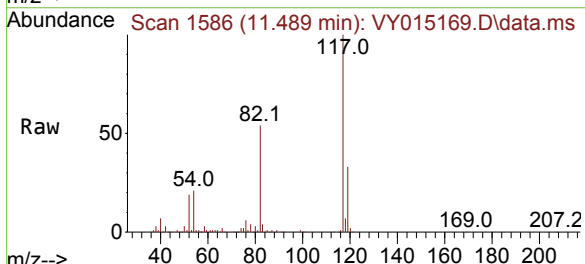
Instrument :
MSVOA_Y
ClientSampleId :

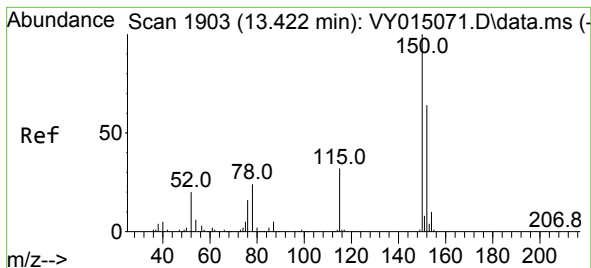
Tgt Ion: 95 Resp: 101510
Ion Ratio Lower Upper
95 100
174 85.4 0.0 178.2
176 83.3 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015169.D
Acq: 17 Aug 2023 14:06

Tgt Ion: 117 Resp: 224883
Ion Ratio Lower Upper
117 100
82 53.9 43.4 65.0
119 33.2 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: VY015169.D

Acq: 17 Aug 2023 14:06

Instrument :

MSVOA_Y

ClientSampleId :

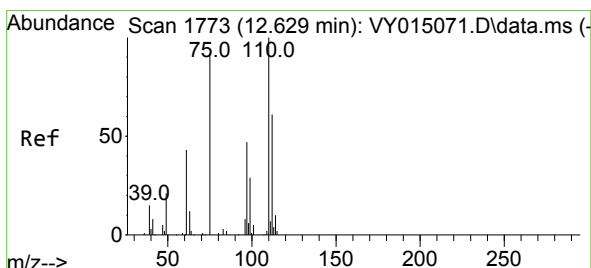
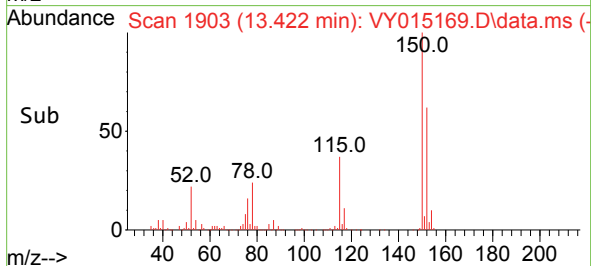
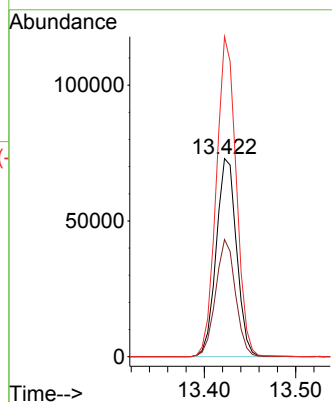
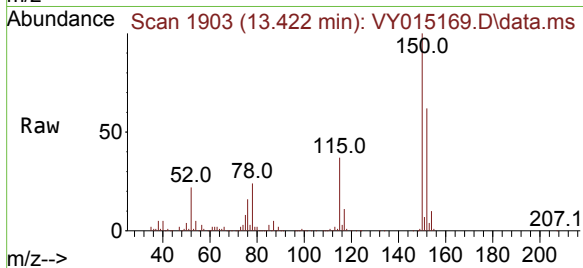
Tgt Ion:152 Resp: 112945

Ion Ratio Lower Upper

152 100

115 57.9 28.8 86.5

150 158.0 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 40.833 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015169.D

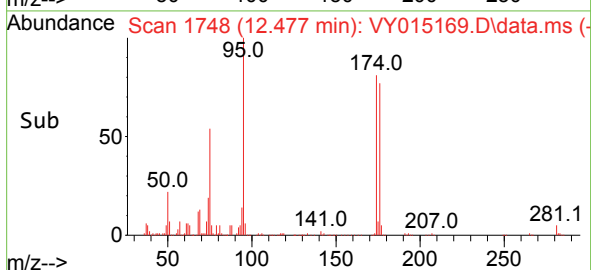
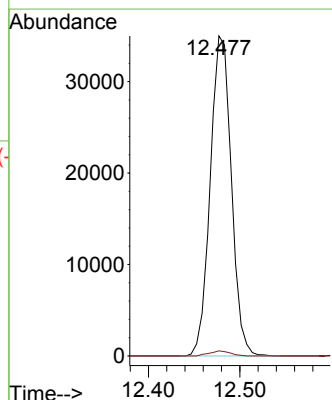
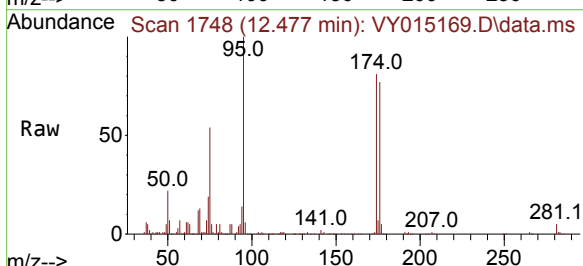
Acq: 17 Aug 2023 14:06

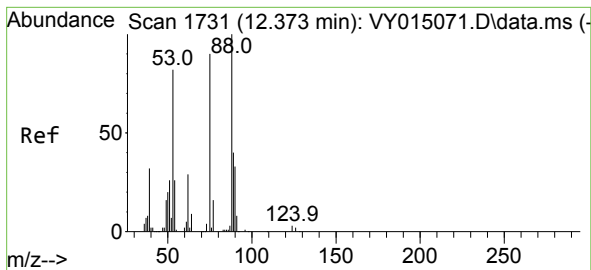
Tgt Ion: 75 Resp: 56031

Ion Ratio Lower Upper

75 100

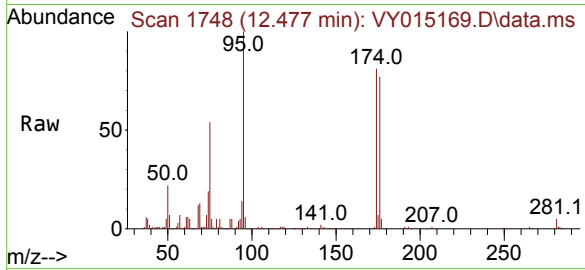
77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.689 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY015169.D
 Acq: 17 Aug 2023 14:06

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	77.8	116.8#
89	0.1	37.4	56.0#

