

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081623\
 Data File : VY015152.D
 Acq On : 16 Aug 2023 16:05
 Operator : SY/MD
 Sample : 04020-01
 Misc : 6.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 17 05:30:47 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)

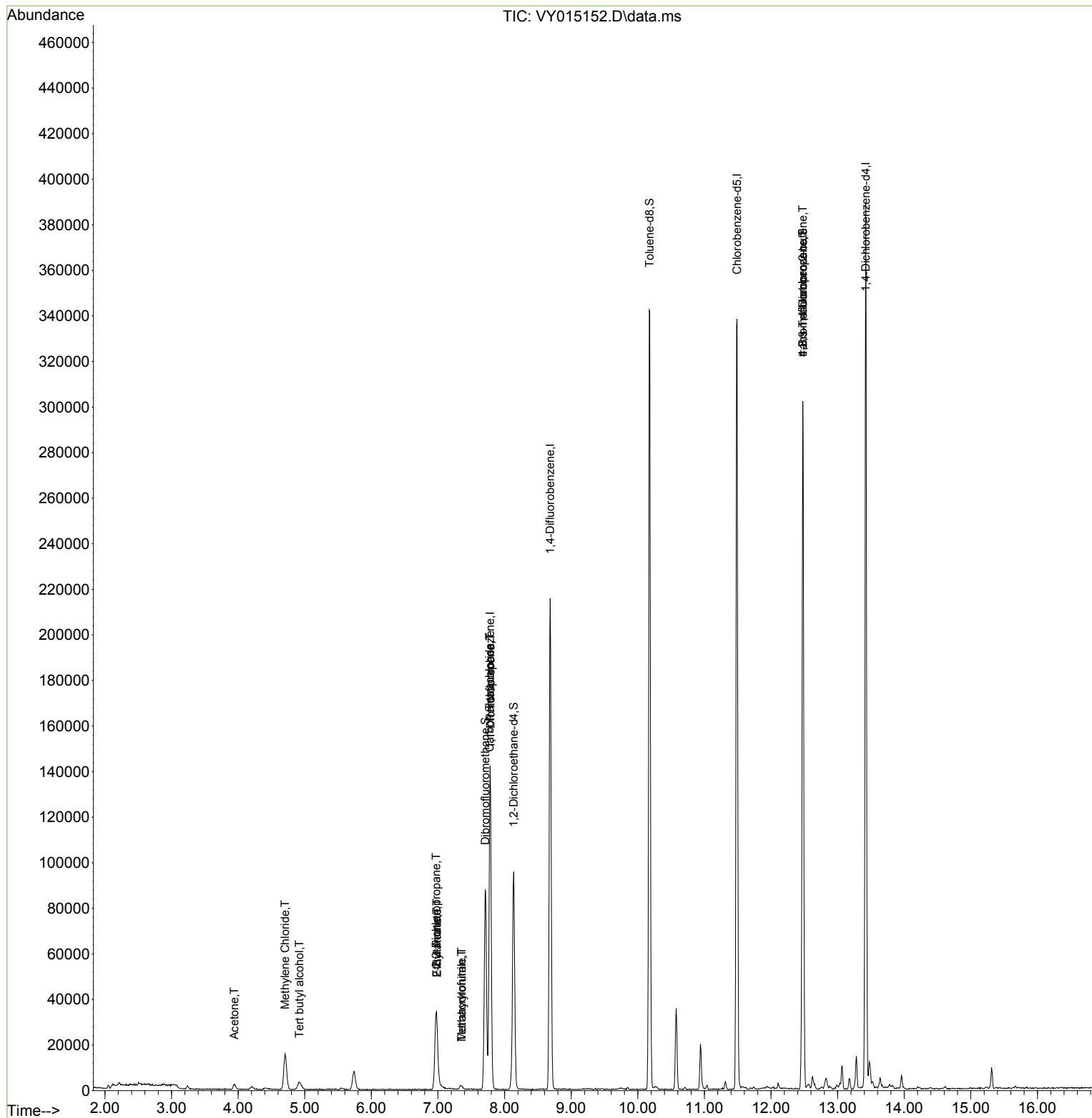
Internal Standards						
1) Pentafluorobenzene	7.783	168	107537	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	188667	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	188017	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	97072	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	73138	56.657	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.320%			
35) Dibromofluoromethane	7.710	113	61791	50.909	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.820%			
50) Toluene-d8	10.179	98	227722	50.400	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.800%			
62) 4-Bromofluorobenzene	12.477	95	84591	51.258	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.520%			
Target Compounds					Qvalue	
3) Chloromethane	2.113	50	365	Below Cal		95
5) Bromomethane	2.643	94	187	Below Cal	#	60
11) Tert butyl alcohol	4.917	59	3915	2.374	ug/l #	89
16) Acetone	3.942	43	4032	9.561	ug/l #	82
20) Methylene Chloride	4.704	84	11721	7.960	ug/l	92
25) 2-Butanone	6.984	43	7172	12.011	ug/l	91
26) 2,2-Dichloropropane	6.972	77	2566	1.485	ug/l #	54
29) Tetrahydrofuran	7.356	42	1403	3.930	ug/l	92
31) Cyclohexane	7.783	56	2458	Below Cal	#	13
36) 1,1-Dichloropropene	7.789	75	8509	6.337	ug/l #	50
37) Ethyl Acetate	6.984	43	7172	5.730	ug/l #	80
38) Carbon Tetrachloride	7.777	117	11039	6.946	ug/l #	16
41) Methacrylonitrile	7.356	41	791	1.226	ug/l #	44
76) 1,2,3-Trichloropropane	12.477	75	46509	39.436	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	46509	86.621	ug/l #	11

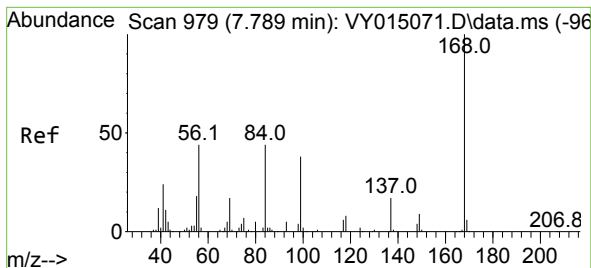
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.783 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY015152.D

Acq: 16 Aug 2023 16:05

Instrument :

MSVOA_Y

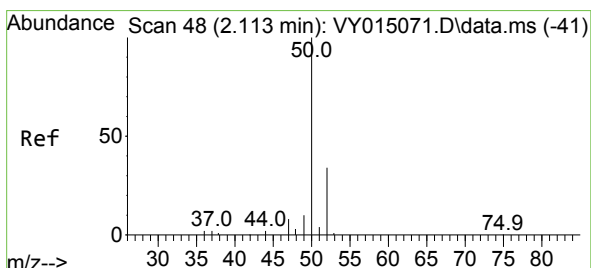
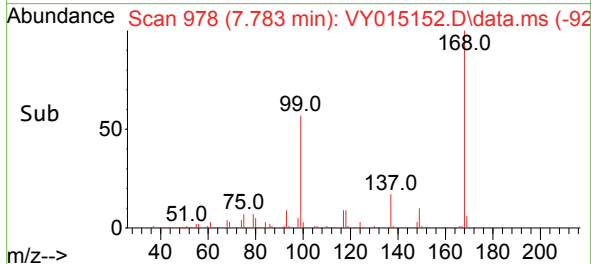
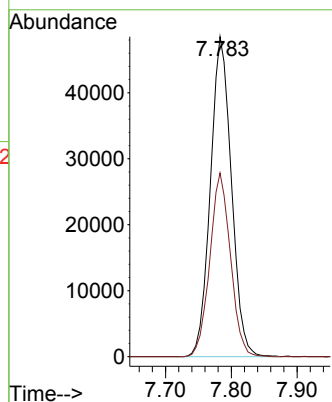
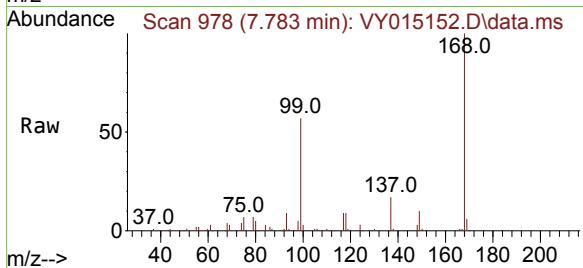
ClientSampleId :

Tgt Ion:168 Resp: 107537

Ion Ratio Lower Upper

168 100

99 57.4 43.4 65.0



#3

Chloromethane

Concen: Below Cal

RT: 2.113 min Scan# 48

Delta R.T. 0.006 min

Lab File: VY015152.D

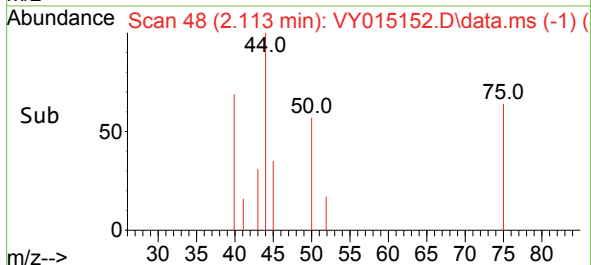
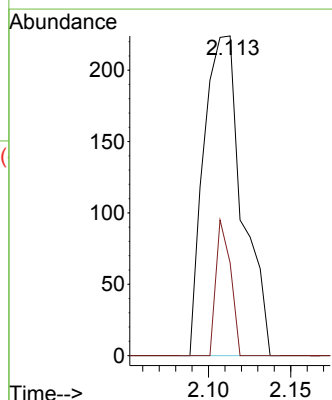
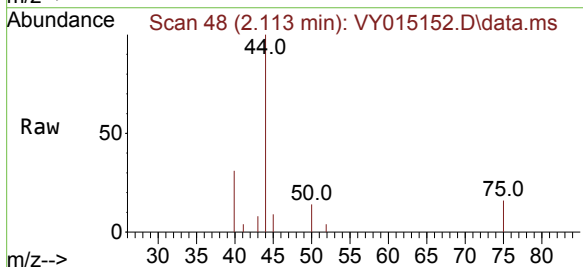
Acq: 16 Aug 2023 16:05

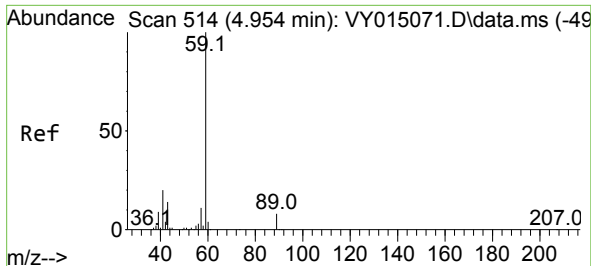
Tgt Ion: 50 Resp: 365

Ion Ratio Lower Upper

50 100

52 29.0 25.4 38.2





#11

Tert butyl alcohol

Concen: 2.374 ug/l

RT: 4.917 min Scan# 508

Delta R.T. -0.031 min

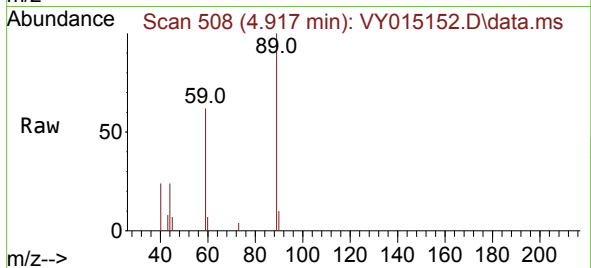
Lab File: VY015152.D

Acq: 16 Aug 2023 16:05

Instrument :

MSVOA_Y

ClientSampleId :

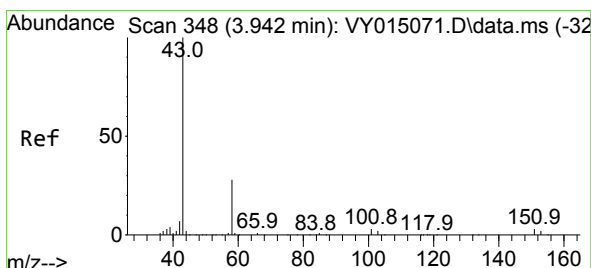
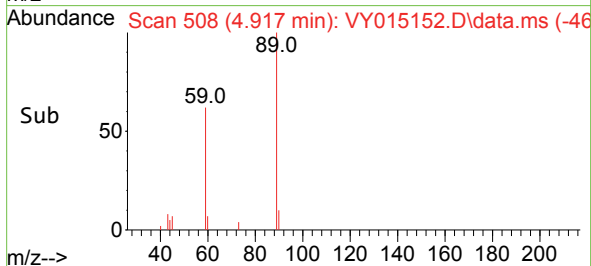
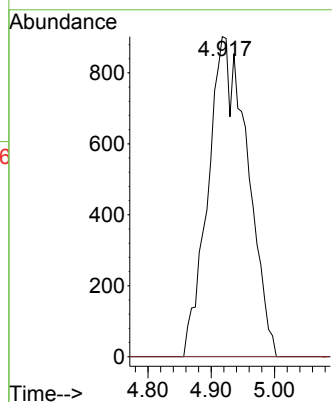


Tgt Ion: 59 Resp: 3915

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#



#16

Acetone

Concen: 9.561 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.000 min

Lab File: VY015152.D

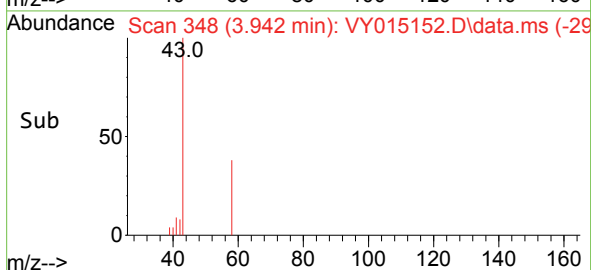
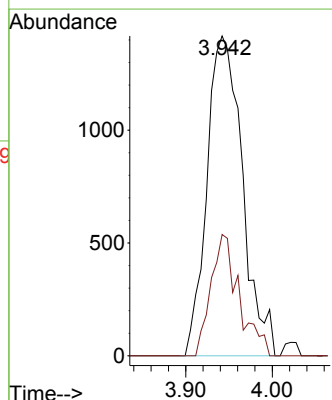
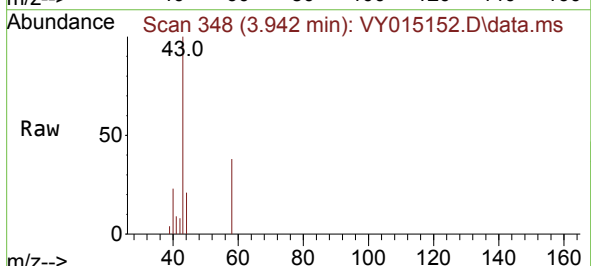
Acq: 16 Aug 2023 16:05

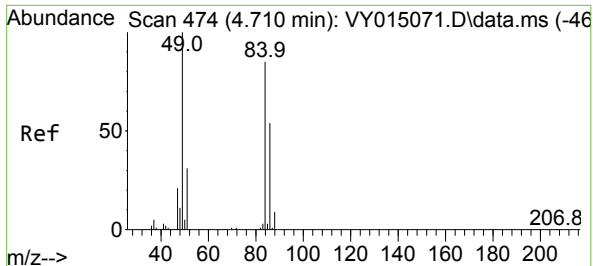
Tgt Ion: 43 Resp: 4032

Ion Ratio Lower Upper

43 100

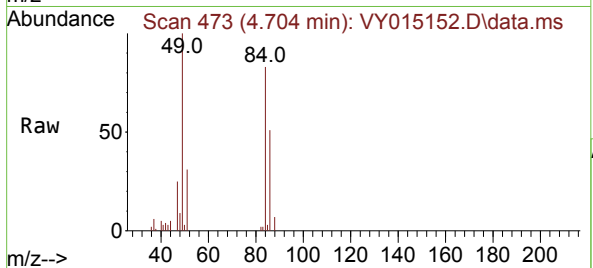
58 37.9 22.7 34.1#





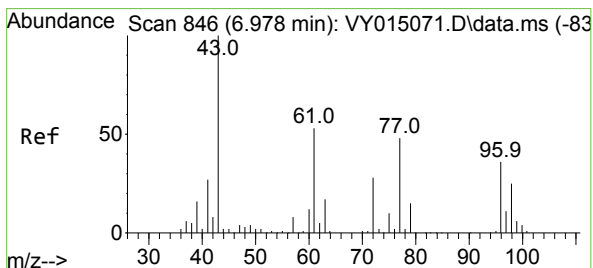
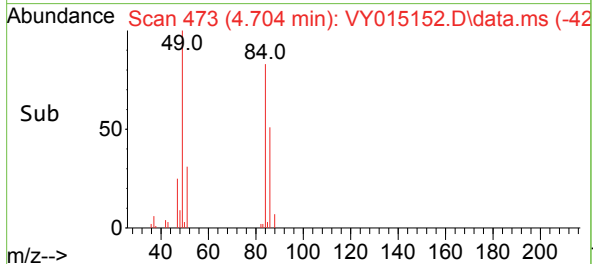
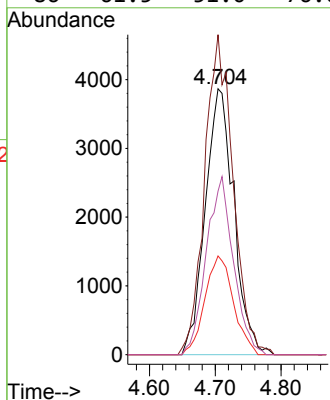
#20
Methylene Chloride
Concen: 7.960 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY015152.D
Acq: 16 Aug 2023 16:05

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 11721

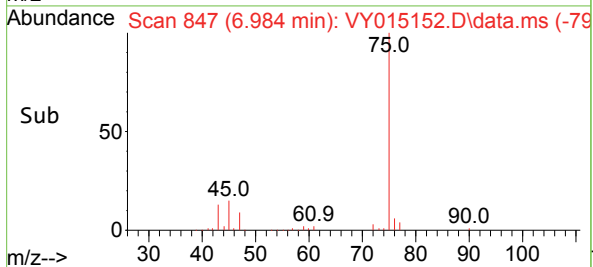
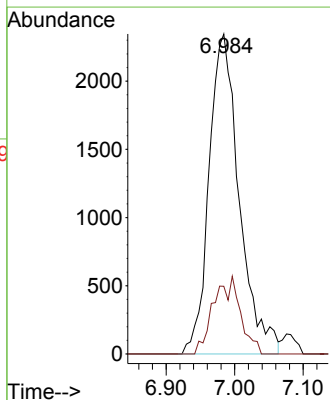
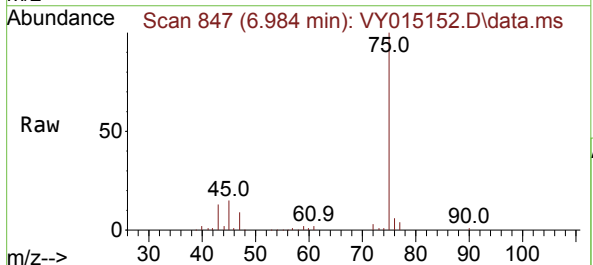
Ion	Ratio	Lower	Upper
84	100		
49	120.3	106.9	160.3
51	37.1	33.2	49.8
86	61.5	51.0	76.6

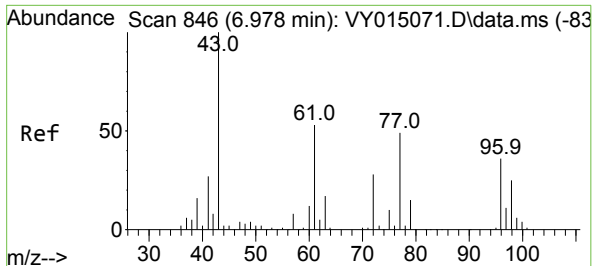


#25
2-Butanone
Concen: 12.011 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY015152.D
Acq: 16 Aug 2023 16:05

Tgt Ion: 43 Resp: 7172

Ion	Ratio	Lower	Upper
43	100		
72	21.1	20.5	30.7





#26

2,2-Dichloropropane

Concen: 1.485 ug/l

RT: 6.972 min Scan# 846

Delta R.T. -0.000 min

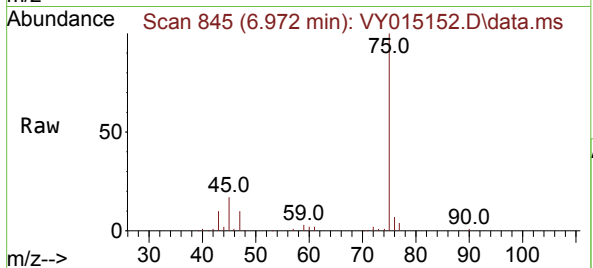
Lab File: VY015152.D

Acq: 16 Aug 2023 16:05

Instrument :

MSVOA_Y

ClientSampleId :

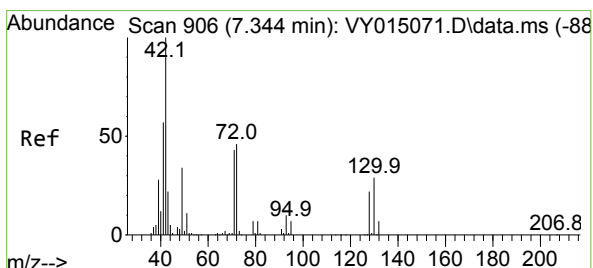
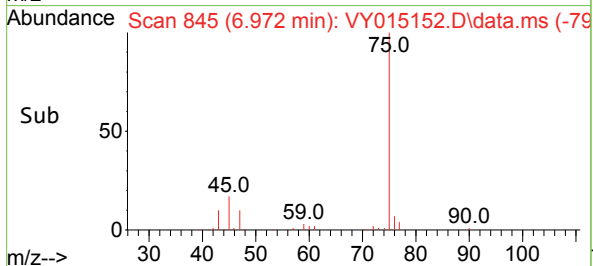
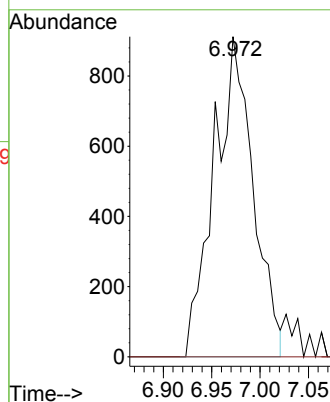


Tgt Ion: 77 Resp: 2566

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#29

Tetrahydrofuran

Concen: 3.930 ug/l

RT: 7.356 min Scan# 908

Delta R.T. 0.012 min

Lab File: VY015152.D

Acq: 16 Aug 2023 16:05

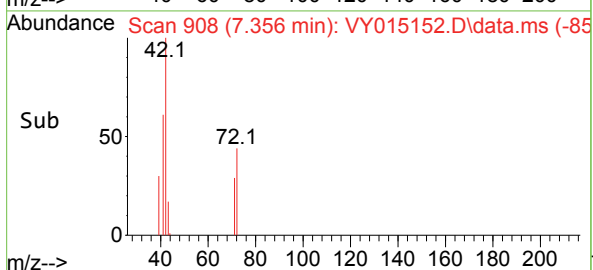
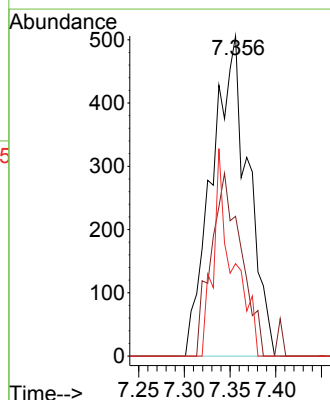
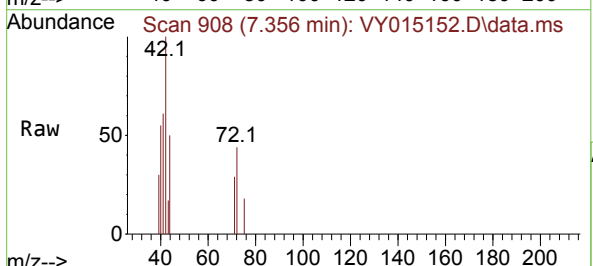
Tgt Ion: 42 Resp: 1403

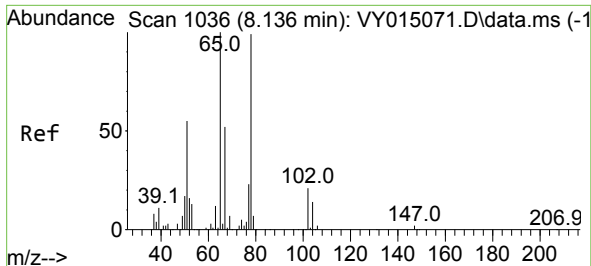
Ion Ratio Lower Upper

42 100

72 47.2 32.8 49.2

71 34.5 31.0 46.4





#33

1,2-Dichloroethane-d4

Concen: 56.657 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015152.D

Acq: 16 Aug 2023 16:05

Instrument :

MSVOA_Y

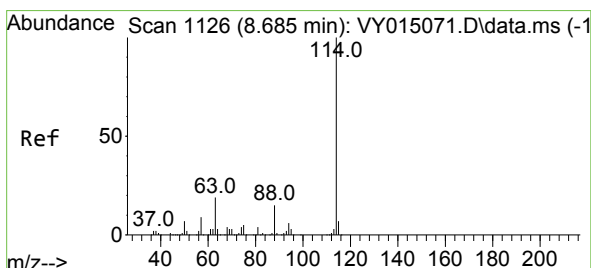
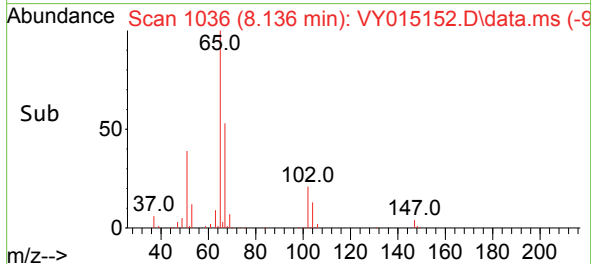
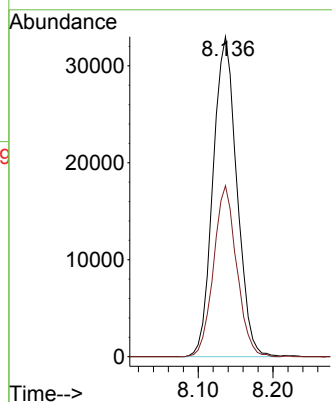
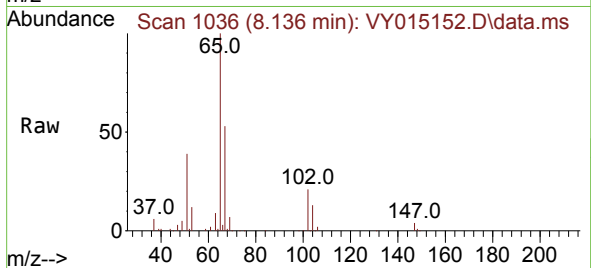
ClientSampleId :

Tgt Ion: 65 Resp: 73138

Ion Ratio Lower Upper

65 100

67 51.7 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY015152.D

Acq: 16 Aug 2023 16:05

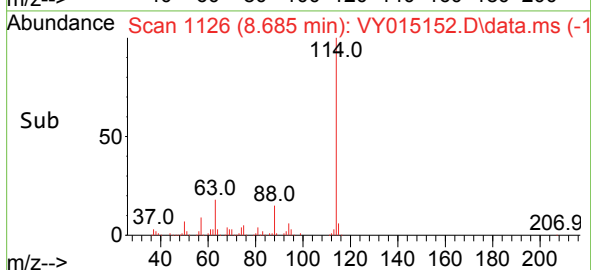
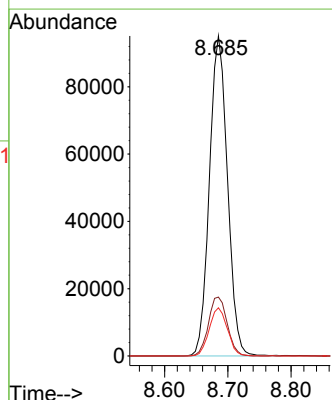
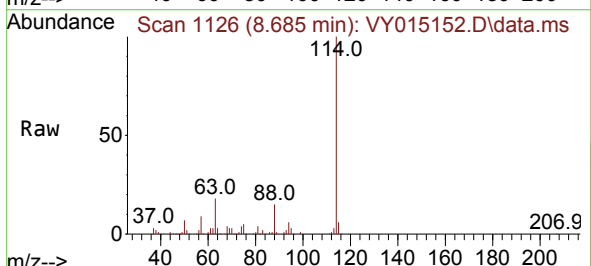
Tgt Ion: 114 Resp: 188667

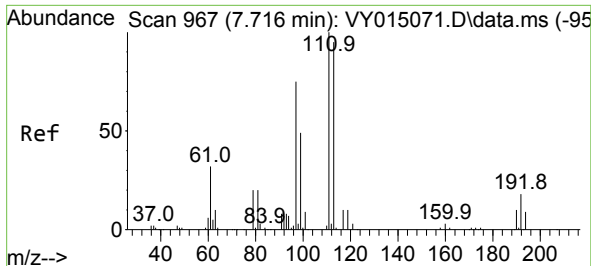
Ion Ratio Lower Upper

114 100

63 18.4 0.0 42.4

88 15.1 0.0 30.6

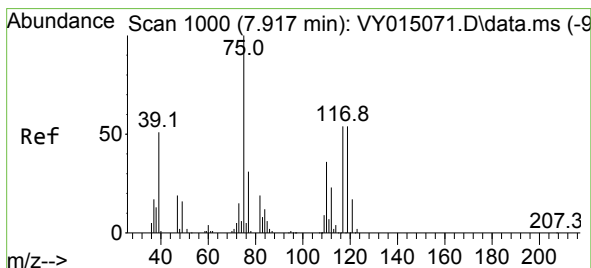
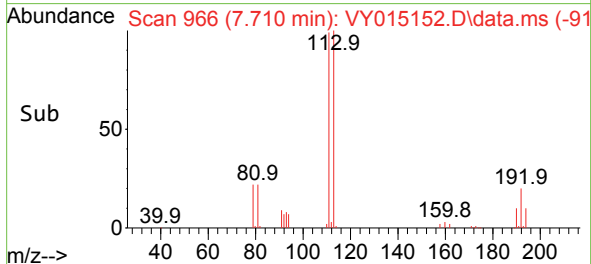
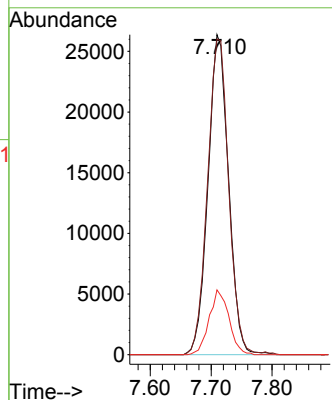
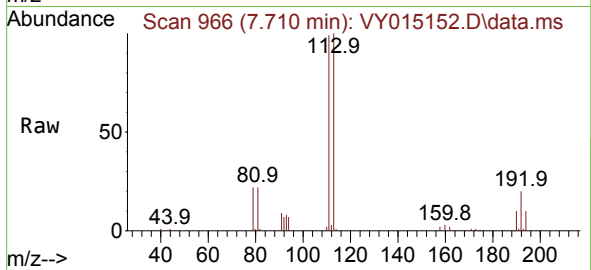




#35
Dibromofluoromethane
Concen: 50.909 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY015152.D
Acq: 16 Aug 2023 16:05

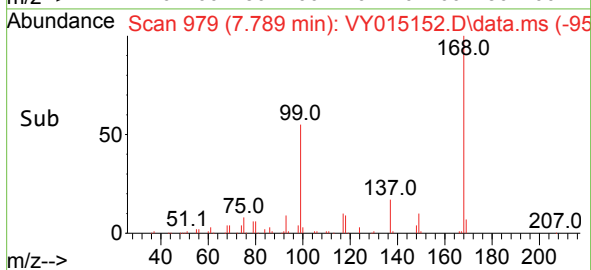
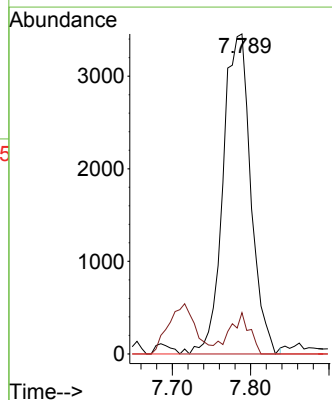
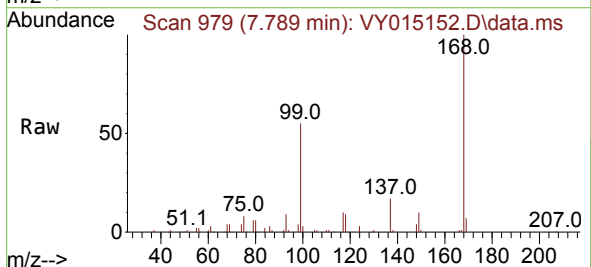
Instrument :
MSVOA_Y
ClientSampleId :

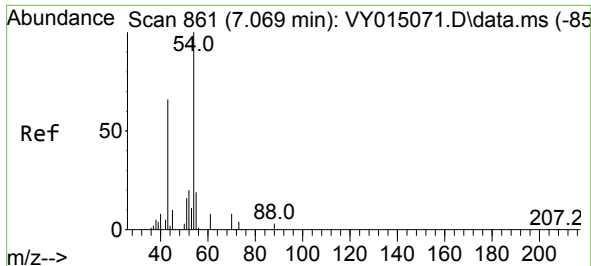
Tgt Ion:113 Resp: 61791
Ion Ratio Lower Upper
113 100
111 101.5 81.3 121.9
192 19.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 6.337 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY015152.D
Acq: 16 Aug 2023 16:05

Tgt Ion: 75 Resp: 8509
Ion Ratio Lower Upper
75 100
110 9.3 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 5.730 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.085 min

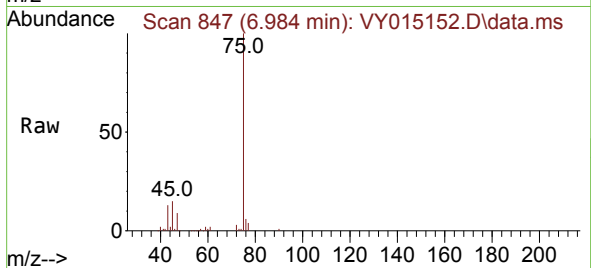
Lab File: VY015152.D

Acq: 16 Aug 2023 16:05

Instrument :

MSVOA_Y

ClientSampleId :



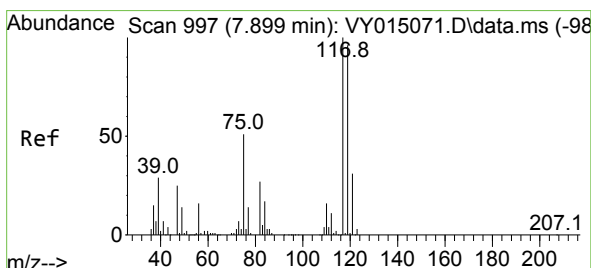
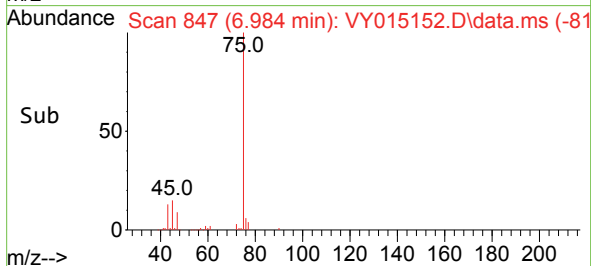
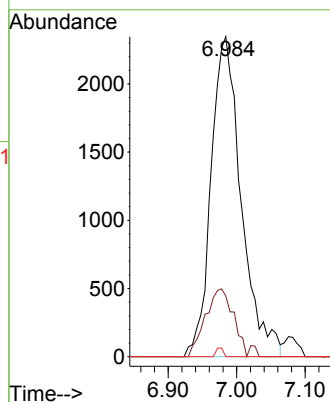
Tgt Ion: 43 Resp: 7172

Ion Ratio Lower Upper

43 100

61 19.6 10.1 15.1#

70 0.6 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 6.946 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.122 min

Lab File: VY015152.D

Acq: 16 Aug 2023 16:05

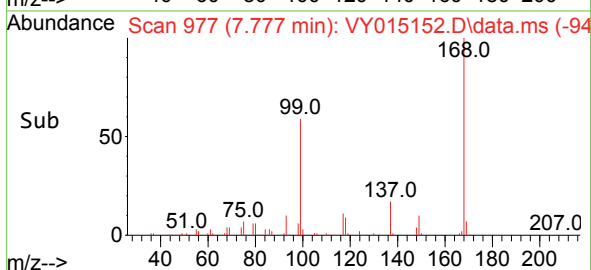
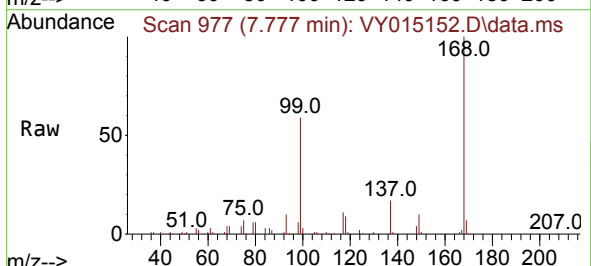
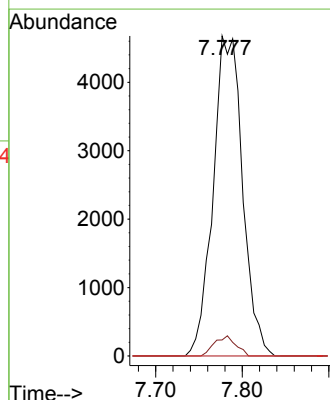
Tgt Ion: 117 Resp: 11039

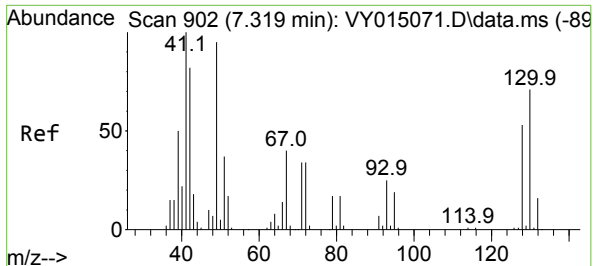
Ion Ratio Lower Upper

117 100

119 5.0 76.4 114.6#

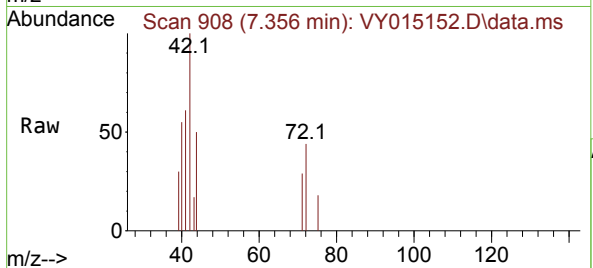
121 0.0 25.8 38.6#



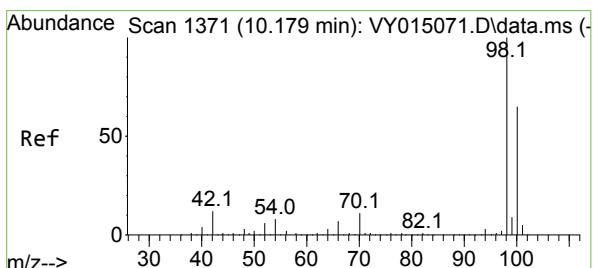
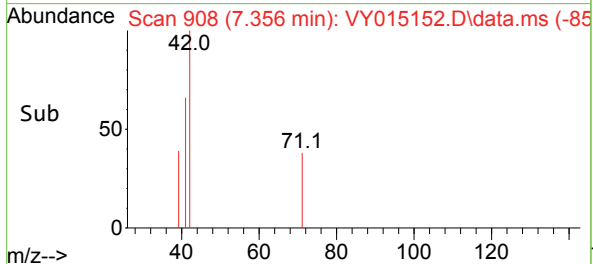
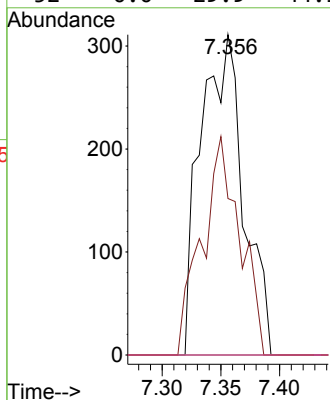


#41
Methacrylonitrile
Concen: 1.226 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.049 min
Lab File: VY015152.D
Acq: 16 Aug 2023 16:05

Instrument :
MSVOA_Y
ClientSampleId :

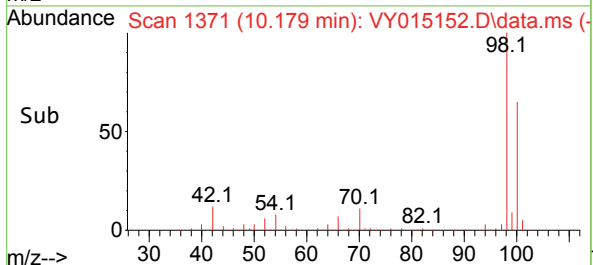
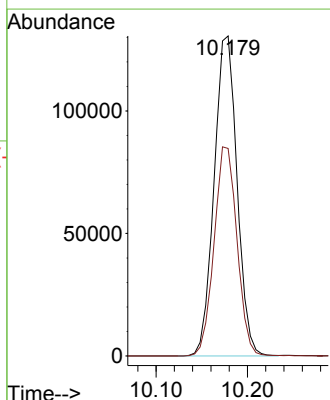
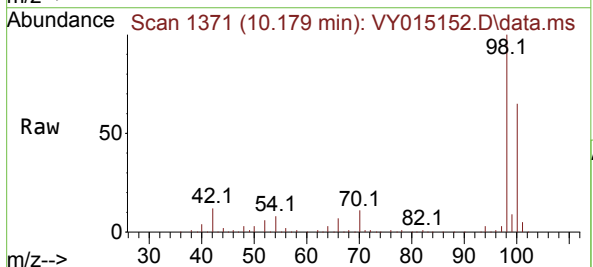


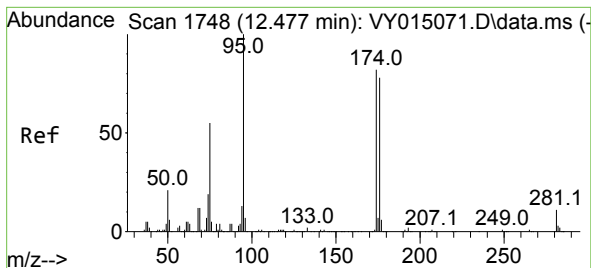
Tgt Ion: 41	Resp: 791
Ion Ratio	Lower Upper
41	100
39	60.3 52.1 78.1
67	0.0 66.2 99.2#
52	0.0 29.9 44.9#



#50
Toluene-d8
Concen: 50.400 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015152.D
Acq: 16 Aug 2023 16:05

Tgt Ion: 98	Resp: 227722
Ion Ratio	Lower Upper
98	100
100	65.5 50.1 75.1

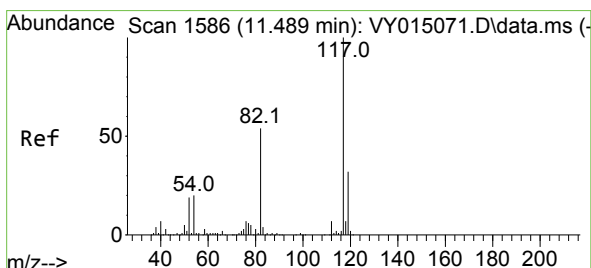
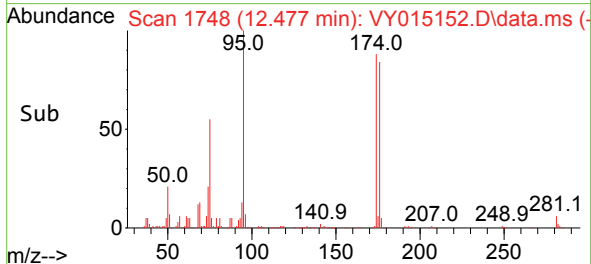
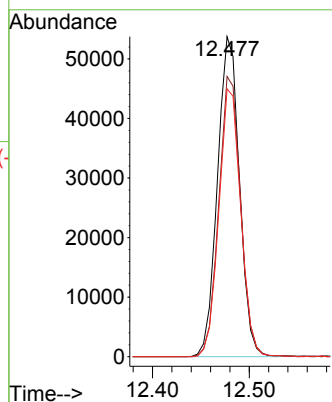
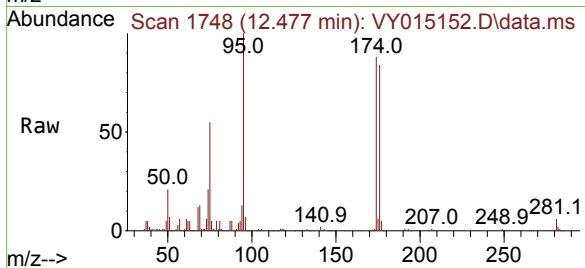




#62
4-Bromofluorobenzene
Concen: 51.258 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015152.D
Acq: 16 Aug 2023 16:05

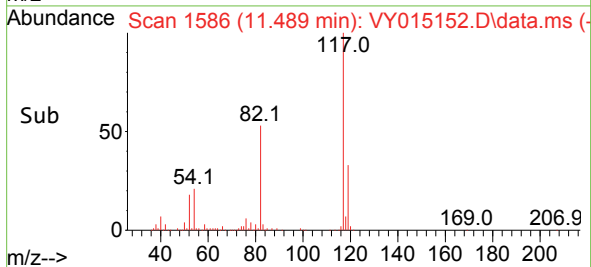
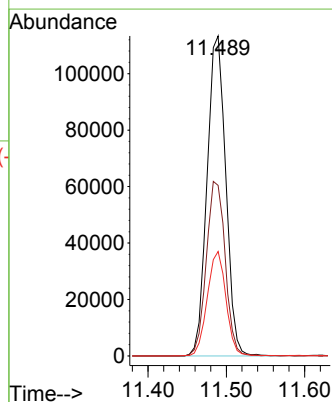
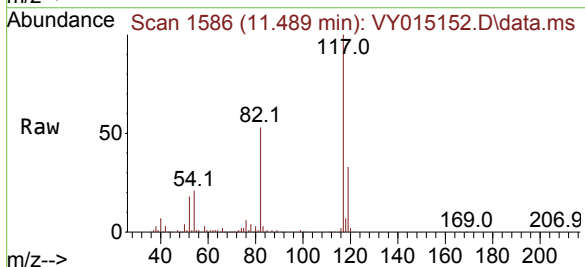
Instrument :
MSVOA_Y
ClientSampleId :

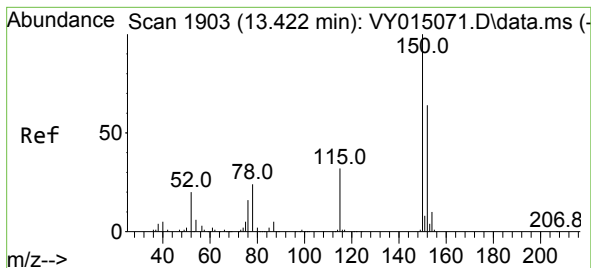
Tgt Ion: 95 Resp: 84591
Ion Ratio Lower Upper
95 100
174 87.3 0.0 178.2
176 83.5 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015152.D
Acq: 16 Aug 2023 16:05

Tgt Ion: 117 Resp: 188017
Ion Ratio Lower Upper
117 100
82 53.3 43.4 65.0
119 32.6 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

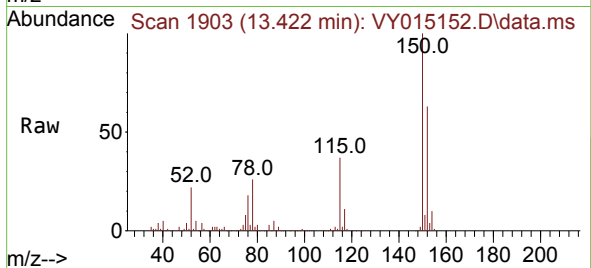
Lab File: VY015152.D

Acq: 16 Aug 2023 16:05

Instrument :

MSVOA_Y

ClientSampleId :



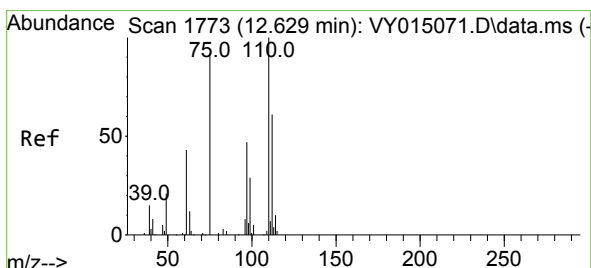
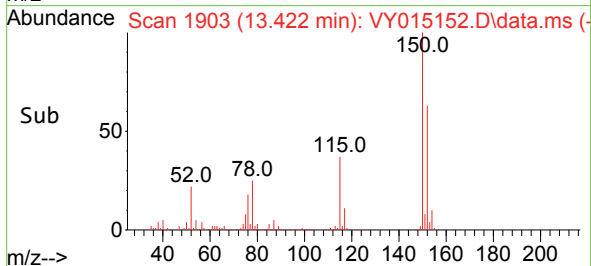
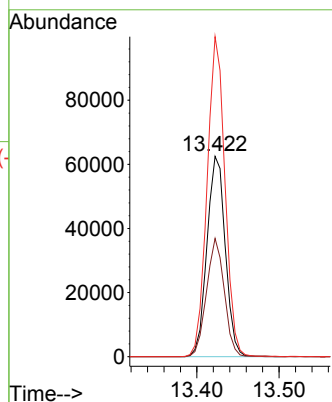
Tgt Ion:152 Resp: 97072

Ion Ratio Lower Upper

152 100

115 57.0 28.8 86.5

150 155.4 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 39.436 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015152.D

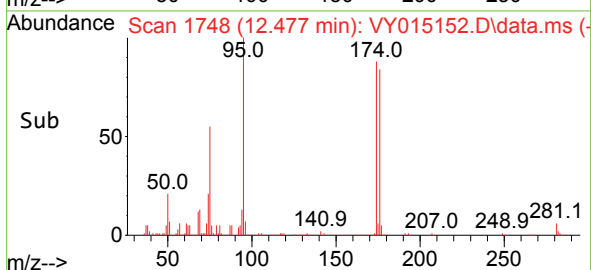
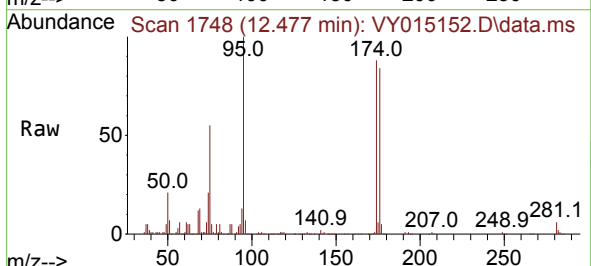
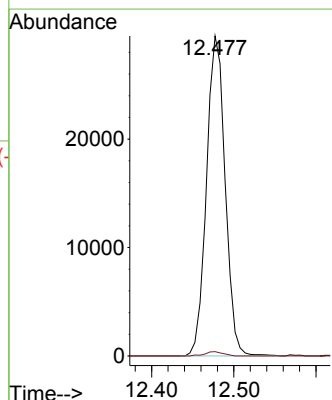
Acq: 16 Aug 2023 16:05

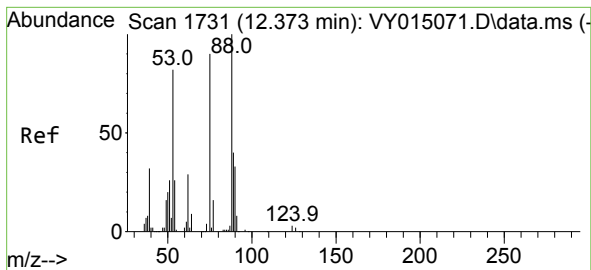
Tgt Ion: 75 Resp: 46509

Ion Ratio Lower Upper

75 100

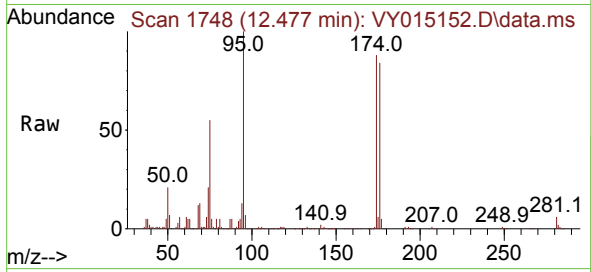
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.621 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY015152.D
 Acq: 16 Aug 2023 16:05

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.7	77.8	116.8#
89	0.3	37.4	56.0#

