

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082323\
 Data File : VY015285.D
 Acq On : 23 Aug 2023 16:54
 Operator : SY/MD
 Sample : VY0823SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 24 02:32:46 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	165099	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	269370	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	238864	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	116144	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	104701	52.830	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.660%
35) Dibromofluoromethane	7.709	113	94370	54.456	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.920%
50) Toluene-d8	10.179	98	346285	53.679	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	107.360%
62) 4-Bromofluorobenzene	12.483	95	117084	49.691	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	99.380%

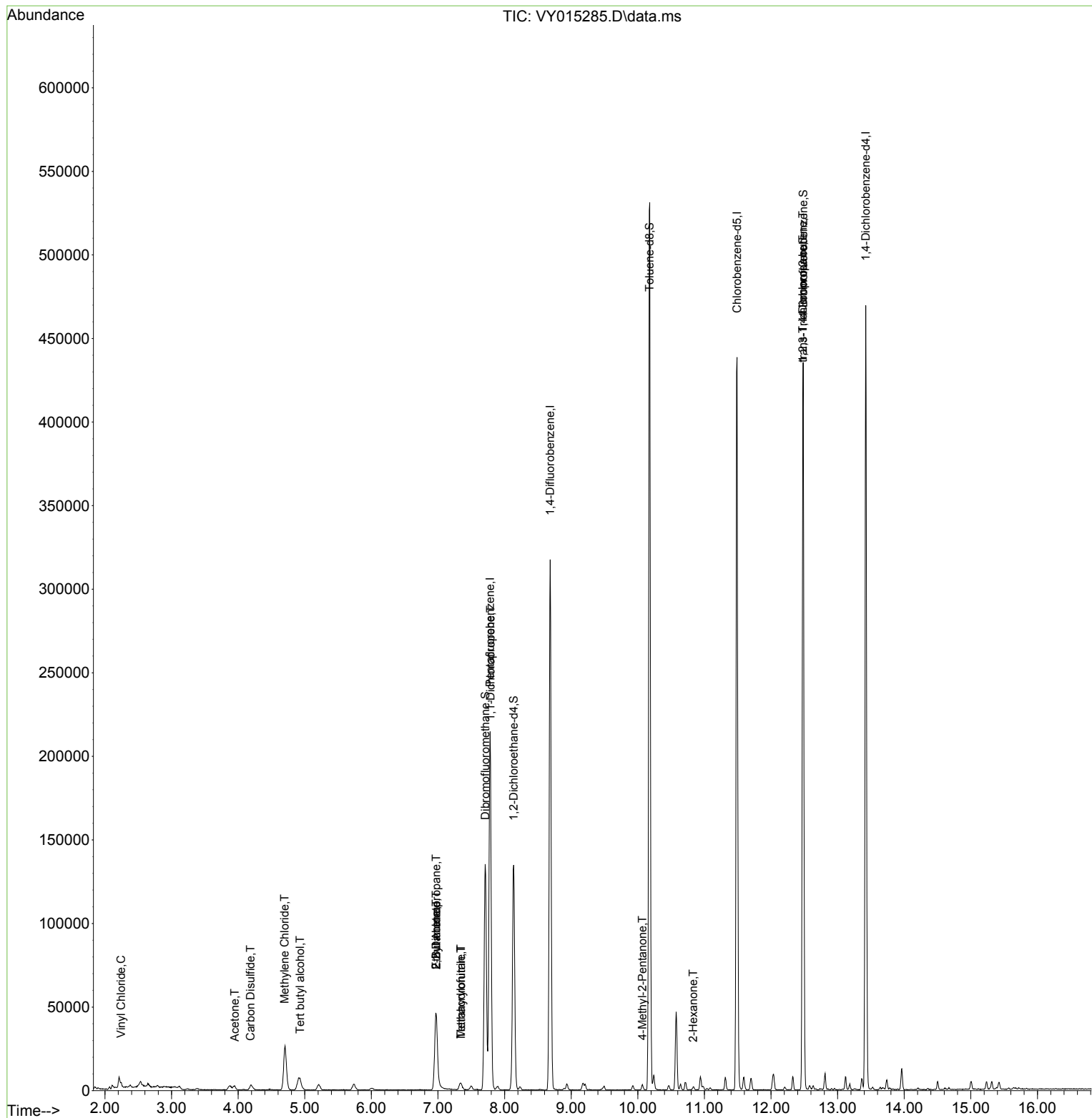
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.900	85	627	Below Cal	88
3) Chloromethane	2.107	50	1255	Below Cal	95
4) Vinyl Chloride	2.241	62	1446	1.101 ug/l	94
11) Tert butyl alcohol	4.930	59	8908	11.869 ug/l #	89
16) Acetone	3.948	43	4489	6.933 ug/l	91
17) Carbon Disulfide	4.186	76	2355	1.165 ug/l #	81
20) Methylene Chloride	4.698	84	19166	8.785 ug/l	90
25) 2-Butanone	6.972	43	3554	3.877 ug/l #	76
26) 2,2-Dichloropropane	6.972	77	3211	1.211 ug/l #	54
29) Tetrahydrofuran	7.344	42	2825	5.154 ug/l	96
36) 1,1-Dichloropropene	7.789	75	13486	7.034 ug/l #	50
37) Ethyl Acetate	6.972	43	3554	1.989 ug/l #	1
41) Methacrylonitrile	7.344	41	1731	1.878 ug/l #	37
51) 4-Methyl-2-Pentanone	10.069	43	2244	1.190 ug/l	99
59) 2-Hexanone	10.831	43	1451	1.039 ug/l	98
76) 1,2,3-Trichloropropane	12.477	75	63961	45.328 ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	63961	99.563 ug/l #	11

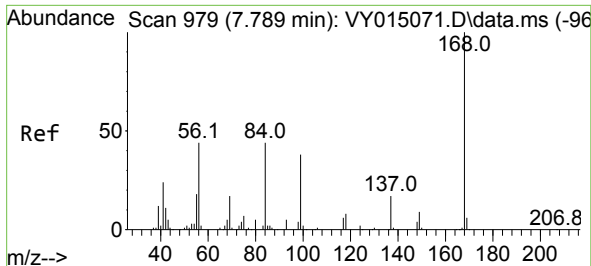
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082323\
Data File : VY015285.D
Acq On : 23 Aug 2023 16:54
Operator : SY/MD
Sample : VY0823SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Aug 24 02:32:46 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

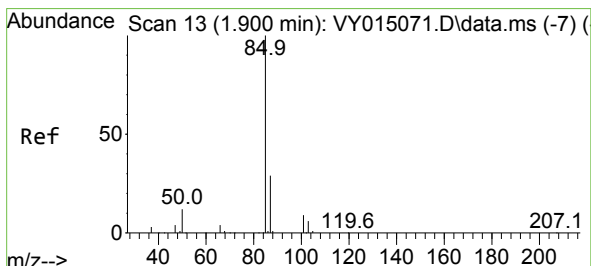
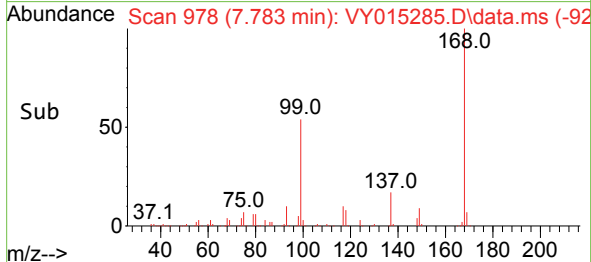
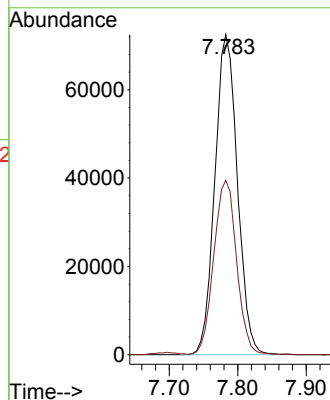
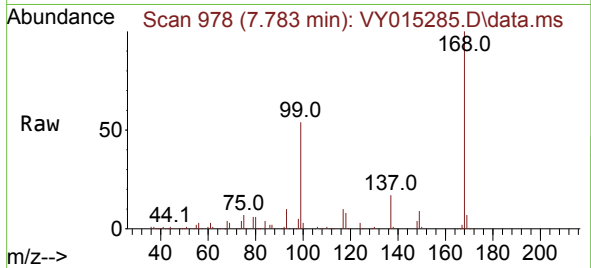




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015285.D
Acq: 23 Aug 2023 16:54

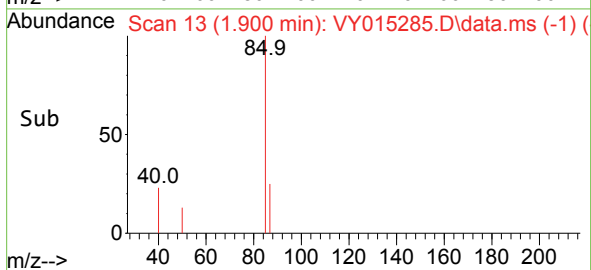
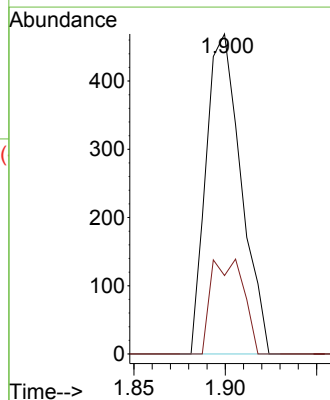
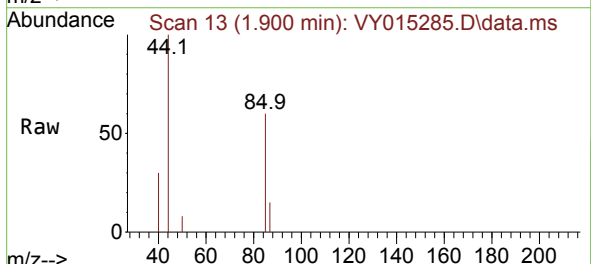
Instrument :
MSVOA_Y
ClientSampleId :

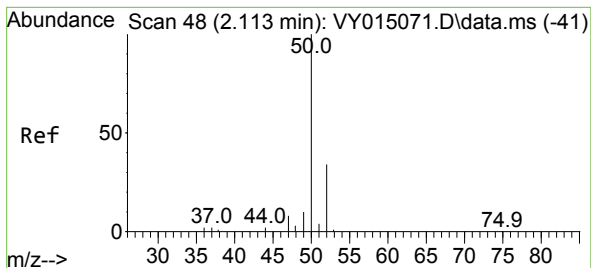
Tgt Ion:168 Resp: 165099
Ion Ratio Lower Upper
168 100
99 54.2 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY015285.D
Acq: 23 Aug 2023 16:54

Tgt Ion: 85 Resp: 627
Ion Ratio Lower Upper
85 100
87 24.5 15.6 46.8





#3

Chloromethane

Concen: Below Cal

RT: 2.107 min Scan# 41

Delta R.T. -0.000 min

Lab File: VY015285.D

Acq: 23 Aug 2023 16:54

Instrument :

MSVOA_Y

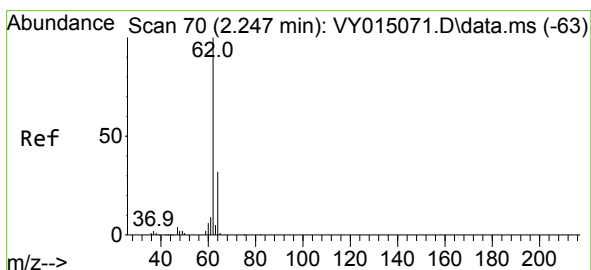
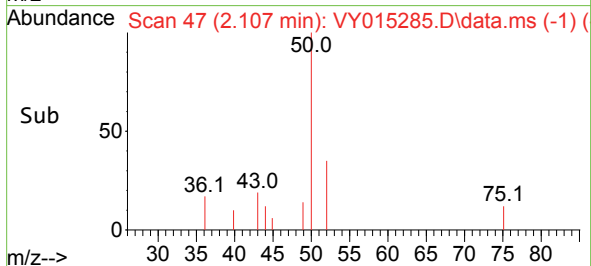
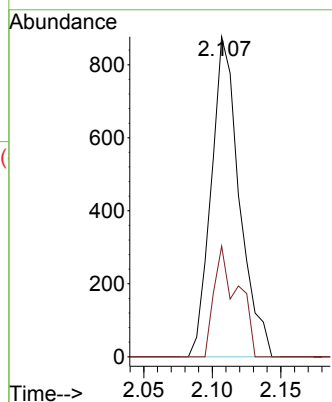
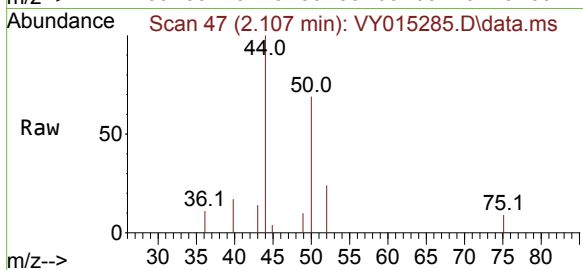
ClientSampleId :

Tgt Ion: 50 Resp: 1255

Ion Ratio Lower Upper

50 100

52 34.5 25.4 38.2



#4

Vinyl Chloride

Concen: 1.101 ug/l

RT: 2.241 min Scan# 69

Delta R.T. -0.006 min

Lab File: VY015285.D

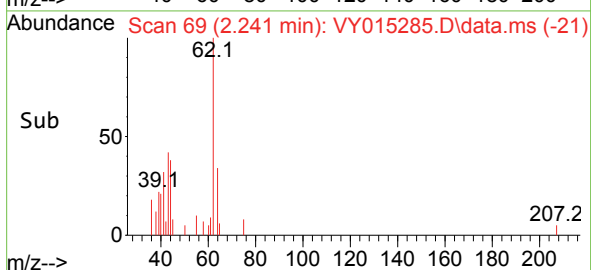
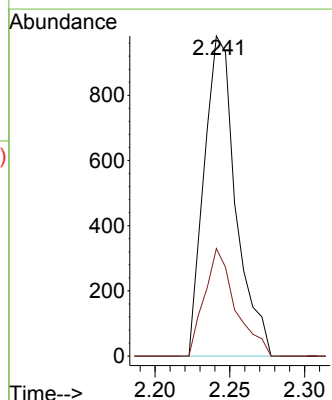
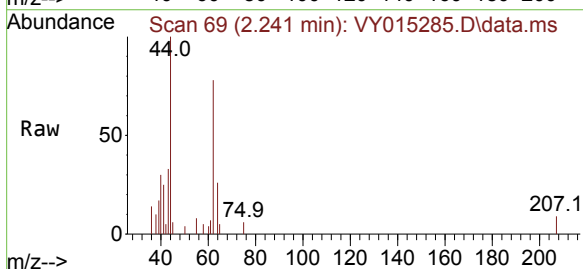
Acq: 23 Aug 2023 16:54

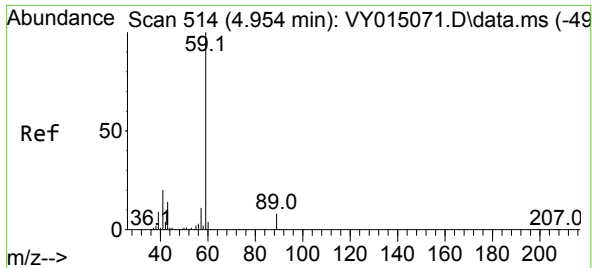
Tgt Ion: 62 Resp: 1446

Ion Ratio Lower Upper

62 100

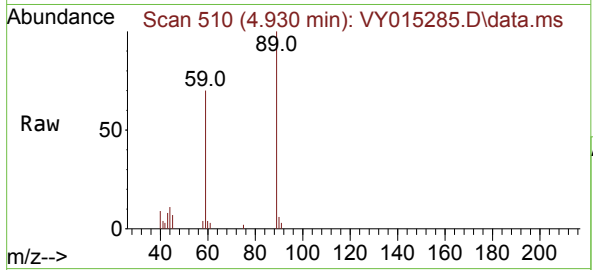
64 33.6 24.3 36.5



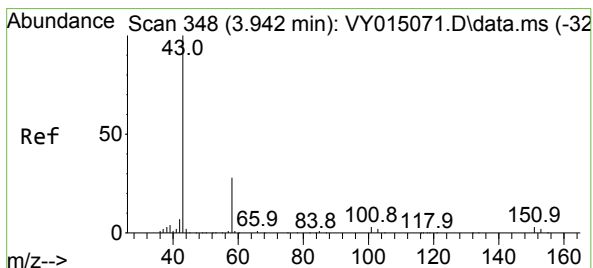
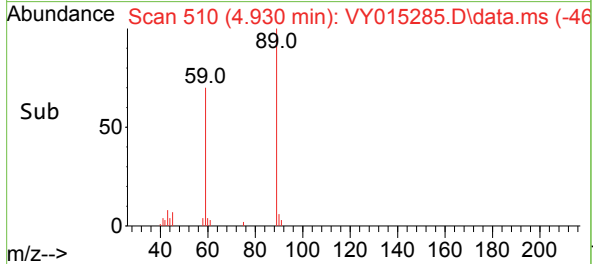
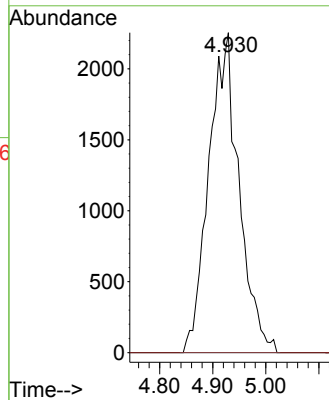


#11
Tert butyl alcohol
Concen: 11.869 ug/l
RT: 4.930 min Scan# 514
Delta R.T. -0.019 min
Lab File: VY015285.D
Acq: 23 Aug 2023 16:54

Instrument :
MSVOA_Y
ClientSampleId :

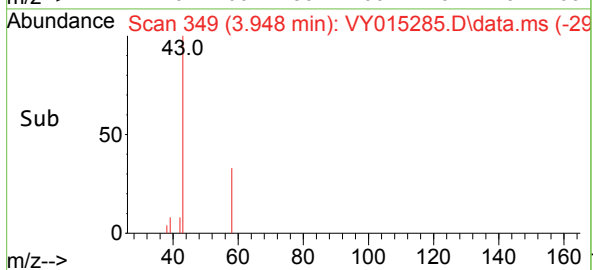
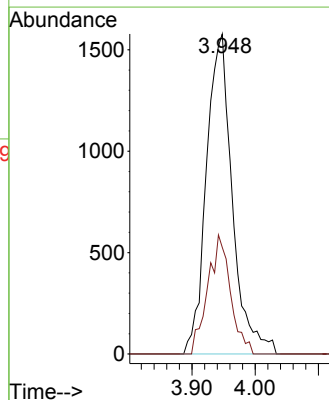
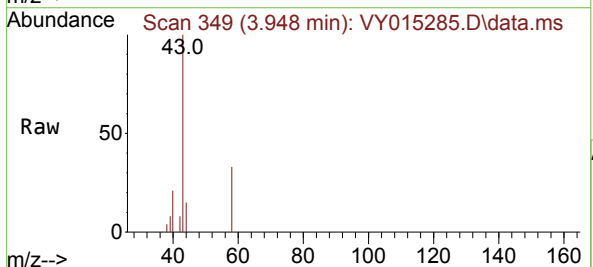


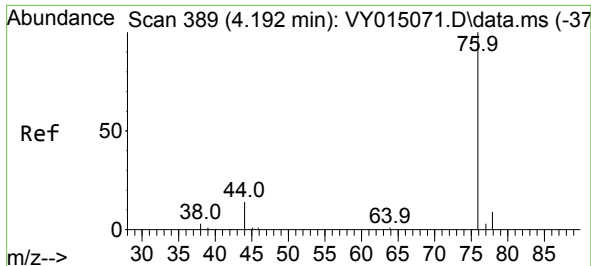
Tgt Ion: 59 Resp: 8908
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 6.933 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY015285.D
Acq: 23 Aug 2023 16:54

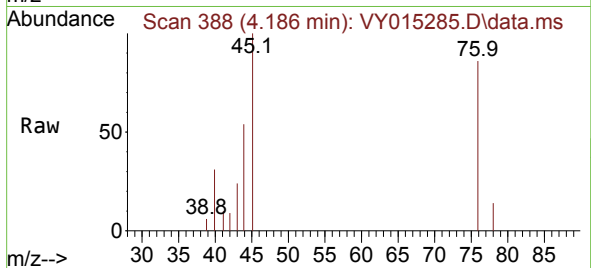
Tgt Ion: 43 Resp: 4489
Ion Ratio Lower Upper
43 100
58 33.3 22.7 34.1



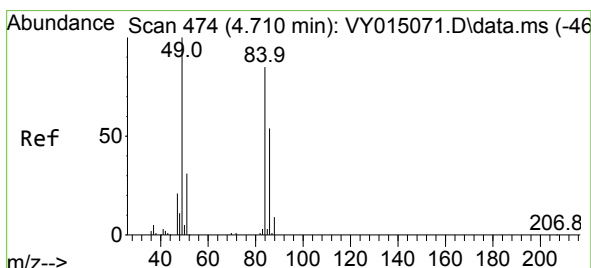
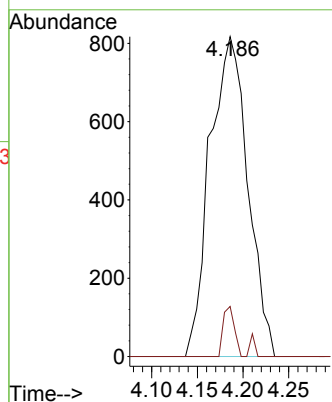
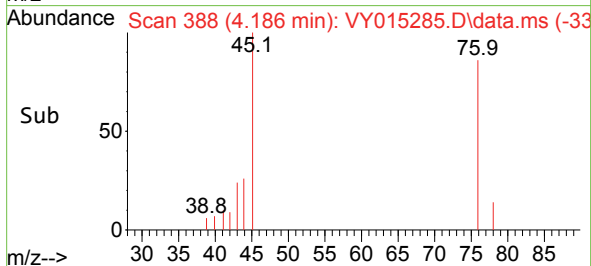


#17
Carbon Disulfide
Concen: 1.165 ug/l
RT: 4.186 min Scan# 31
Delta R.T. -0.000 min
Lab File: VY015285.D
Acq: 23 Aug 2023 16:54

Instrument :
MSVOA_Y
ClientSampleId :

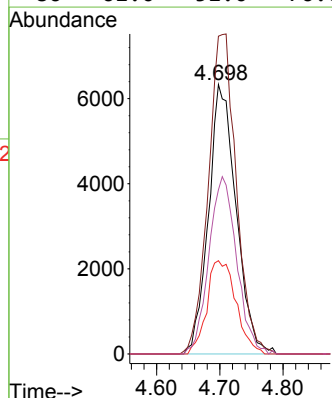
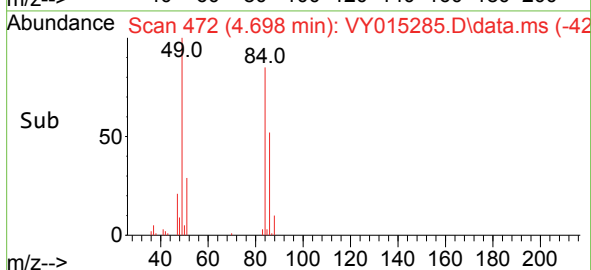
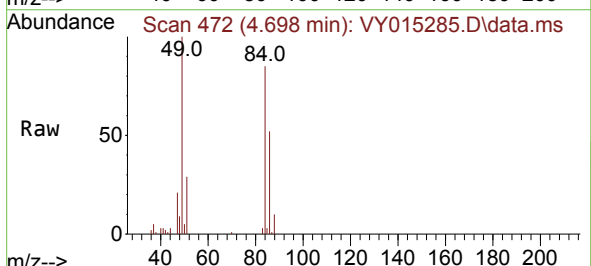


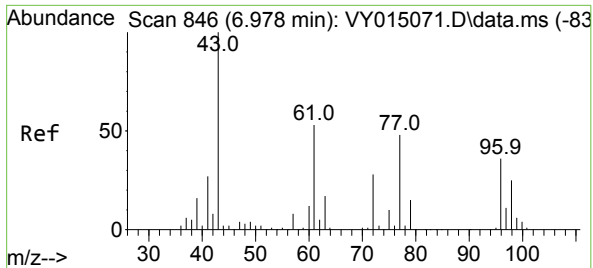
Tgt Ion: 76 Resp: 2355
Ion Ratio Lower Upper
76 100
78 15.7 7.0 10.4#



#20
Methylene Chloride
Concen: 8.785 ug/l
RT: 4.698 min Scan# 472
Delta R.T. -0.012 min
Lab File: VY015285.D
Acq: 23 Aug 2023 16:54

Tgt Ion: 84 Resp: 19166
Ion Ratio Lower Upper
84 100
49 118.0 106.9 160.3
51 34.7 33.2 49.8
86 61.0 51.0 76.6

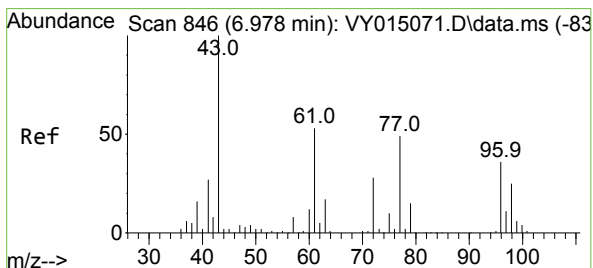
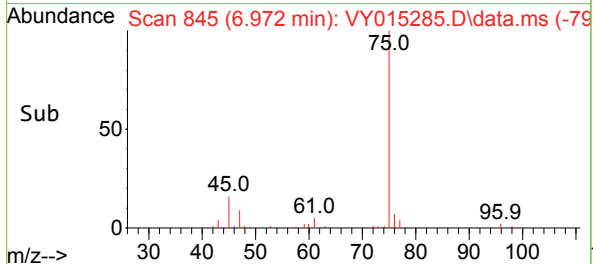
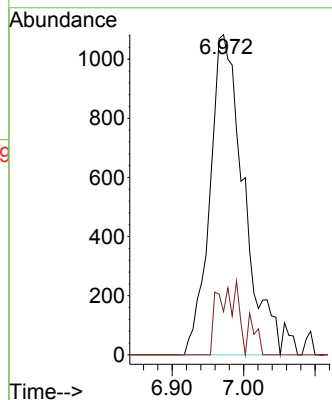
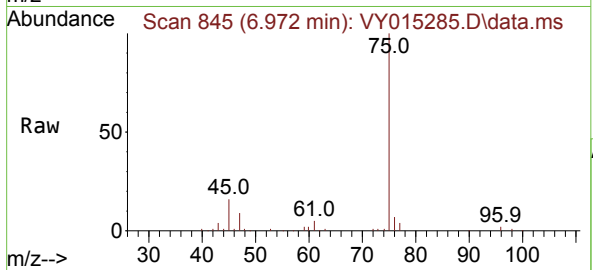




#25
2-Butanone
Concen: 3.877 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY015285.D
Acq: 23 Aug 2023 16:54

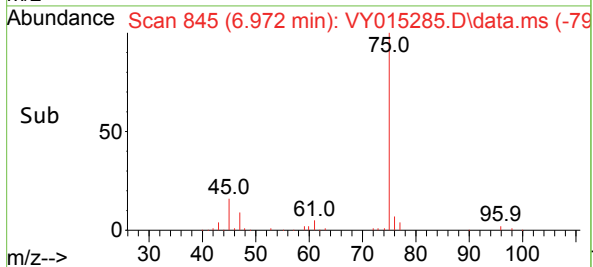
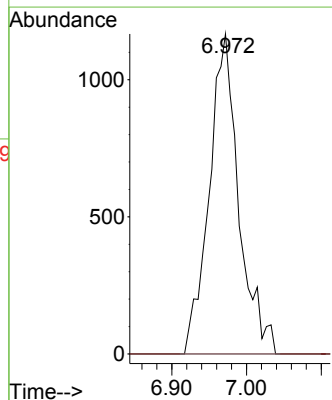
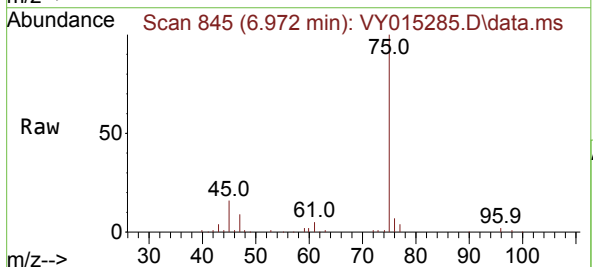
Instrument :
MSVOA_Y
ClientSampleId :

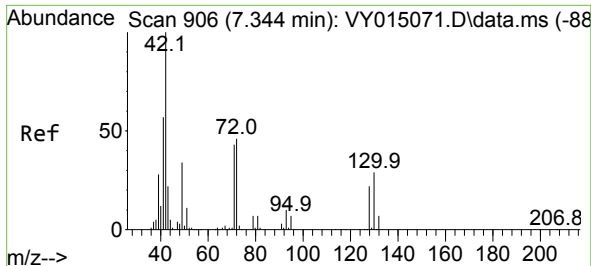
Tgt Ion: 43 Resp: 3554
Ion Ratio Lower Upper
43 100
72 13.5 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 1.211 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.000 min
Lab File: VY015285.D
Acq: 23 Aug 2023 16:54

Tgt Ion: 77 Resp: 3211
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#





#29

Tetrahydrofuran

Concen: 5.154 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.000 min

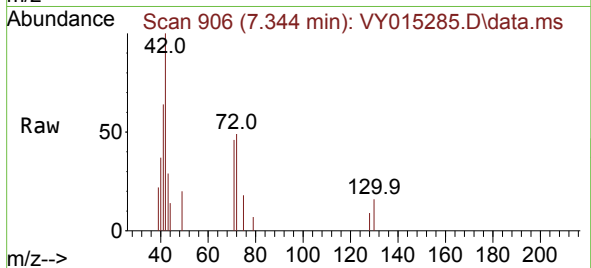
Lab File: VY015285.D

Acq: 23 Aug 2023 16:54

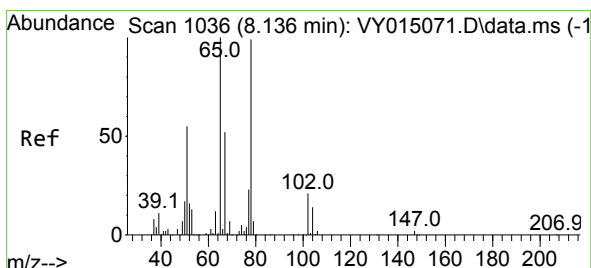
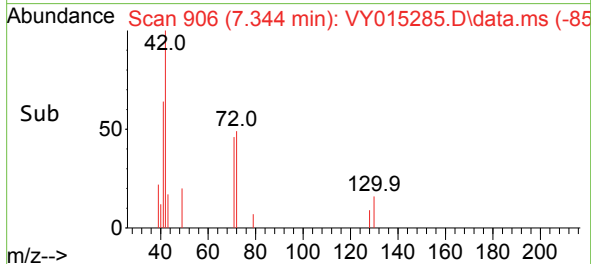
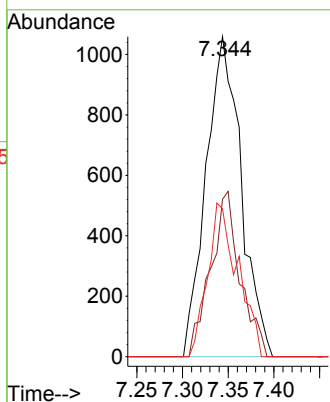
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	2825
Ion	Ratio	Lower	Upper
42	100		
72	43.4	32.8	49.2
71	41.4	31.0	46.4



#33

1,2-Dichloroethane-d4

Concen: 52.830 ug/l

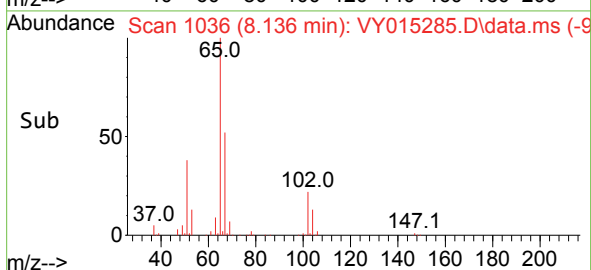
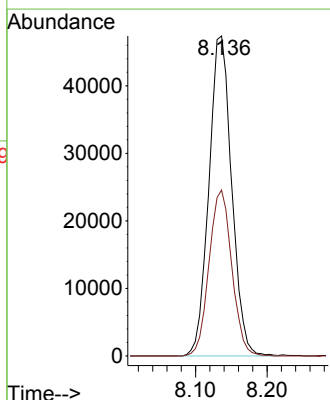
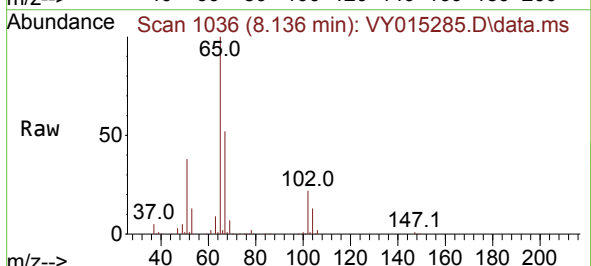
RT: 8.136 min Scan# 1036

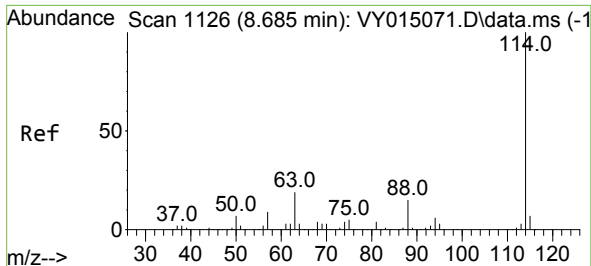
Delta R.T. -0.000 min

Lab File: VY015285.D

Acq: 23 Aug 2023 16:54

Tgt Ion:	65	Resp:	104701
Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	101.8

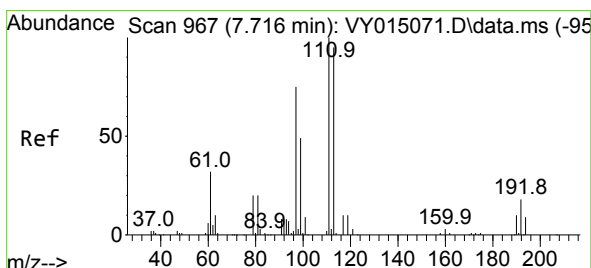
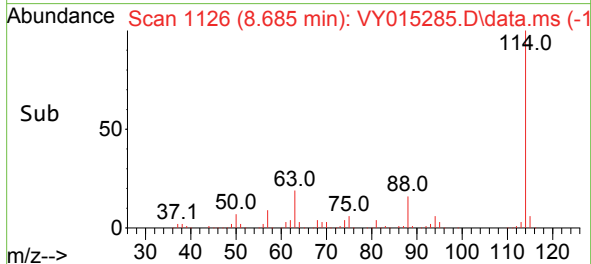
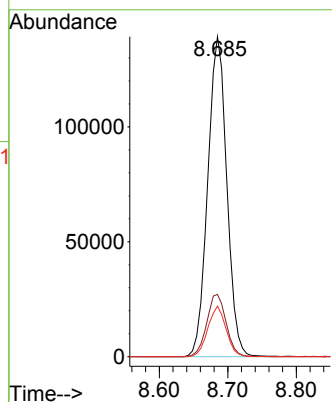
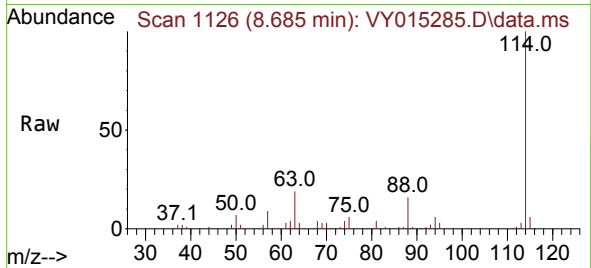




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VY015285.D
 Acq: 23 Aug 2023 16:54

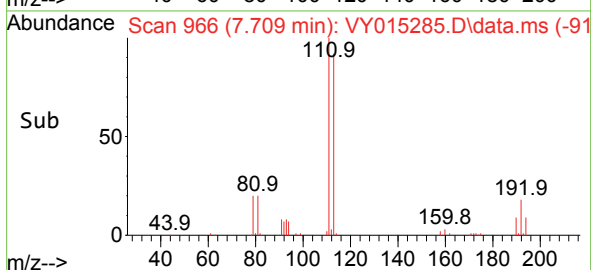
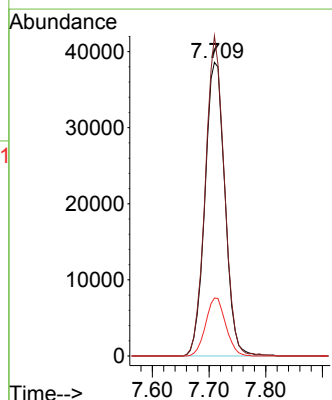
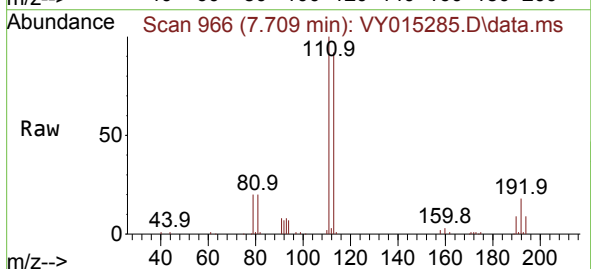
Instrument :
 MSVOA_Y
 ClientSampleId :

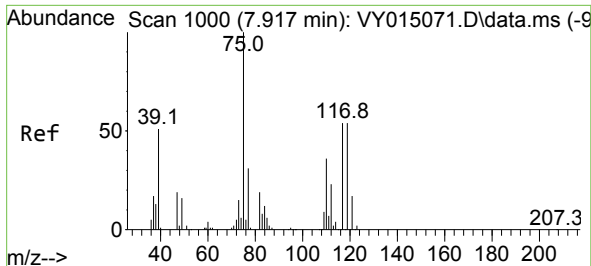
Tgt Ion:114 Resp: 269370
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 42.4
 88 15.8 0.0 30.6



#35
 Dibromofluoromethane
 Concen: 54.456 ug/l
 RT: 7.709 min Scan# 966
 Delta R.T. -0.006 min
 Lab File: VY015285.D
 Acq: 23 Aug 2023 16:54

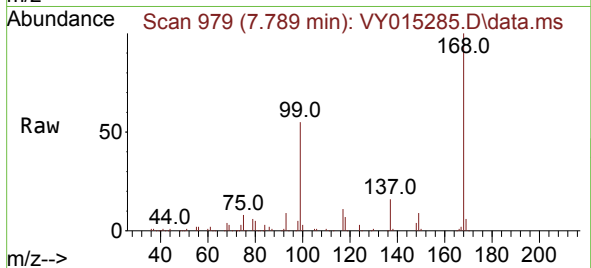
Tgt Ion:113 Resp: 94370
 Ion Ratio Lower Upper
 113 100
 111 103.6 81.3 121.9
 192 19.8 16.9 25.3



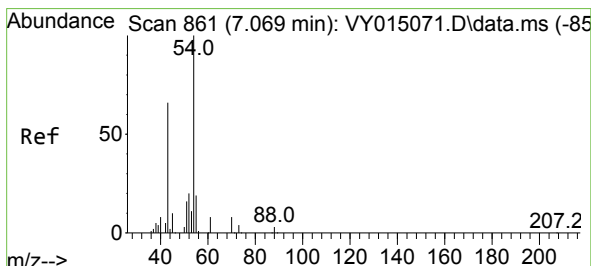
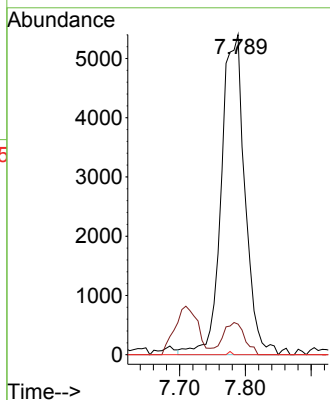
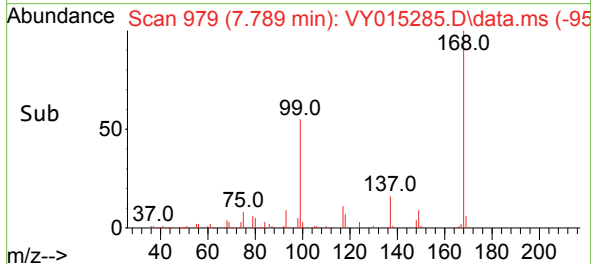


#36
 1,1-Dichloropropene
 Concen: 7.034 ug/l
 RT: 7.789 min Scan# 91
 Delta R.T. -0.122 min
 Lab File: VY015285.D
 Acq: 23 Aug 2023 16:54

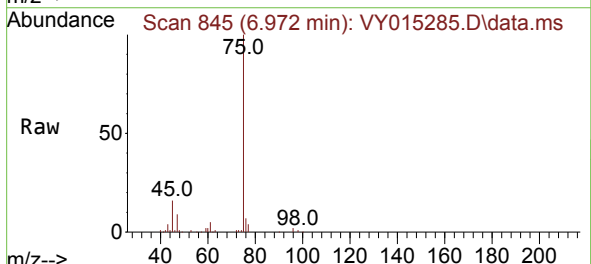
Instrument :
 MSVOA_Y
 ClientSampleId :



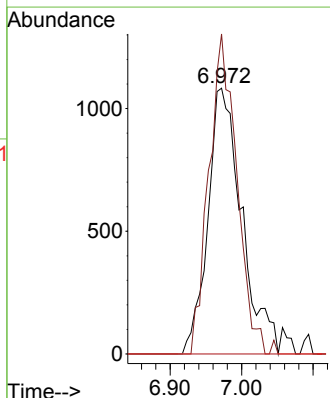
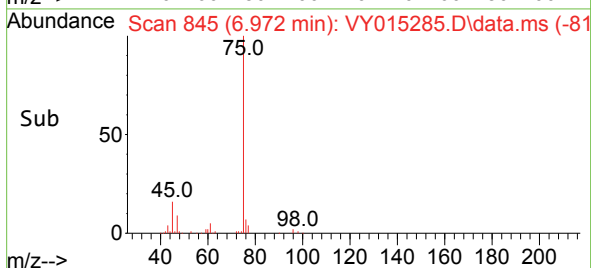
Tgt Ion: 75 Resp: 13486
 Ion Ratio Lower Upper
 75 100
 110 9.4 17.8 53.5#
 77 0.0 24.4 36.6#

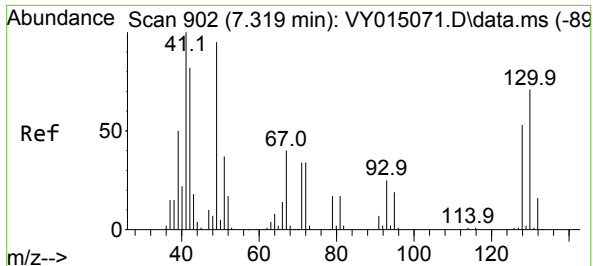


#37
 Ethyl Acetate
 Concen: 1.989 ug/l
 RT: 6.972 min Scan# 845
 Delta R.T. -0.098 min
 Lab File: VY015285.D
 Acq: 23 Aug 2023 16:54



Tgt Ion: 43 Resp: 3554
 Ion Ratio Lower Upper
 43 100
 61 99.1 10.1 15.1#
 70 0.0 7.1 10.7#

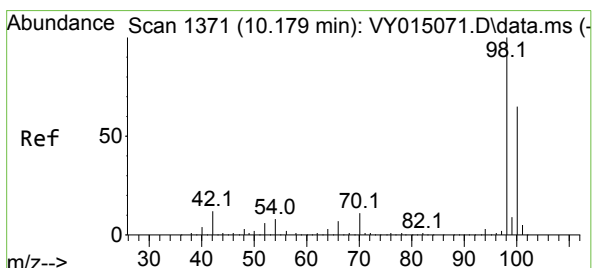
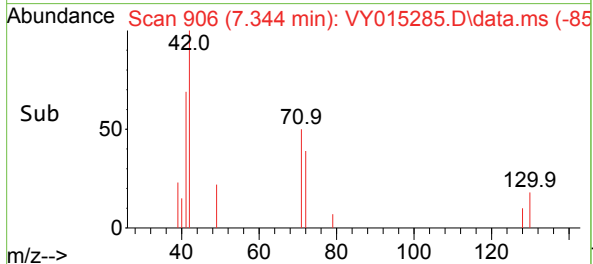
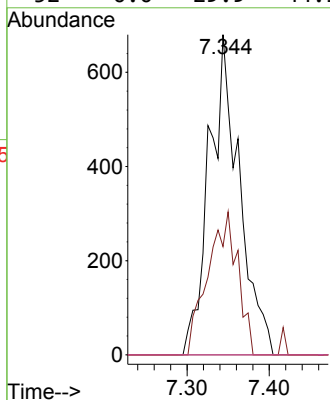
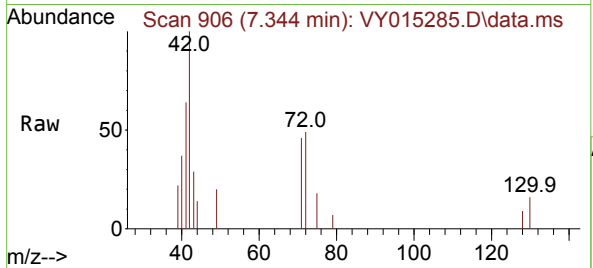




#41
Methacrylonitrile
Concen: 1.878 ug/l
RT: 7.344 min Scan# 902
Delta R.T. 0.036 min
Lab File: VY015285.D
Acq: 23 Aug 2023 16:54

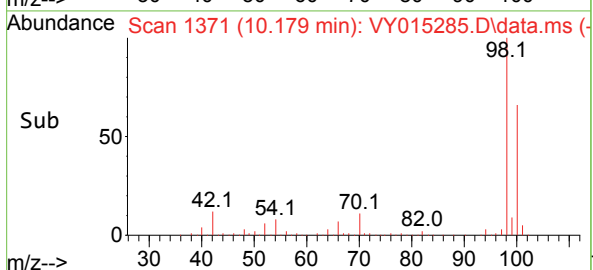
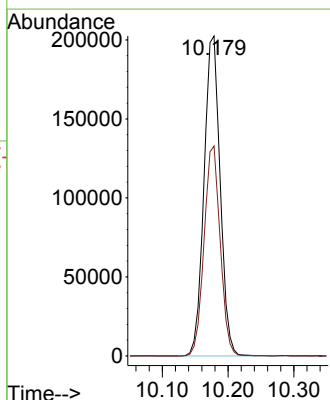
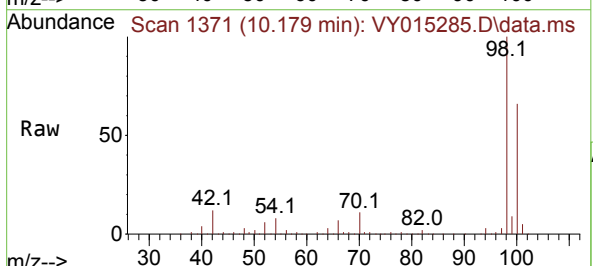
Instrument :
MSVOA_Y
ClientSampleId :

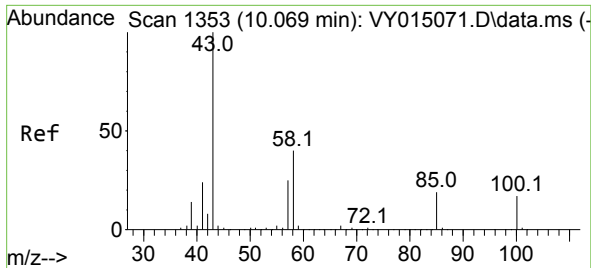
Tgt Ion: 41 Resp: 1731
Ion Ratio Lower Upper
41 100
39 44.4 52.1 78.1#
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#



#50
Toluene-d8
Concen: 53.679 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015285.D
Acq: 23 Aug 2023 16:54

Tgt Ion: 98 Resp: 346285
Ion Ratio Lower Upper
98 100
100 65.5 50.1 75.1

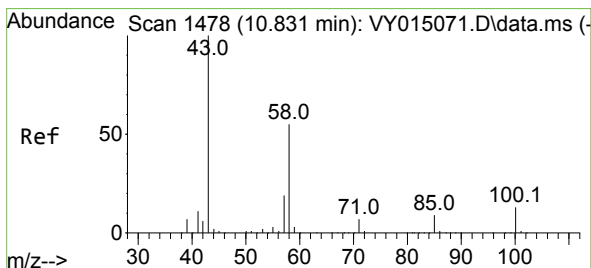
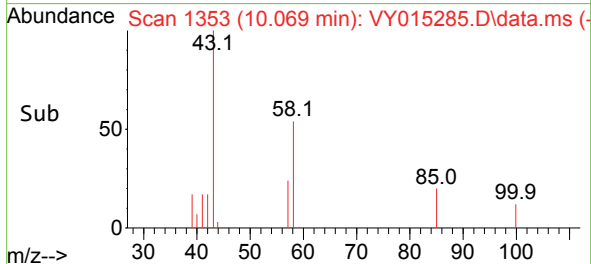
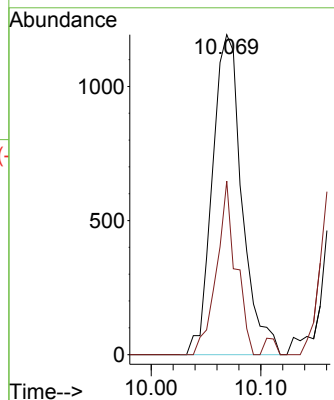
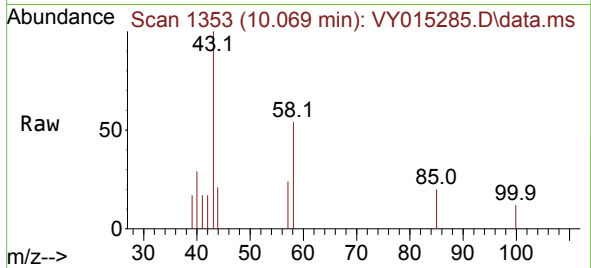




#51
4-Methyl-2-Pentanone
Concen: 1.190 ug/l
RT: 10.069 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015285.D
Acq: 23 Aug 2023 16:54

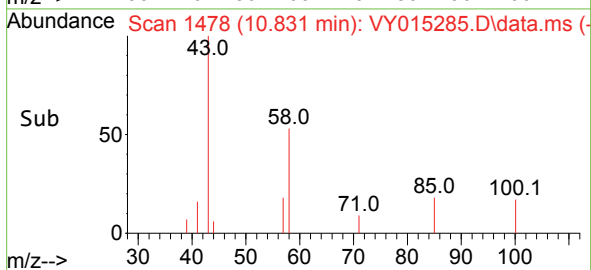
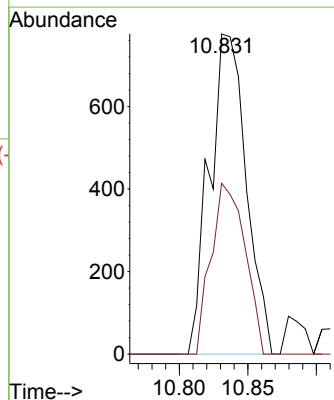
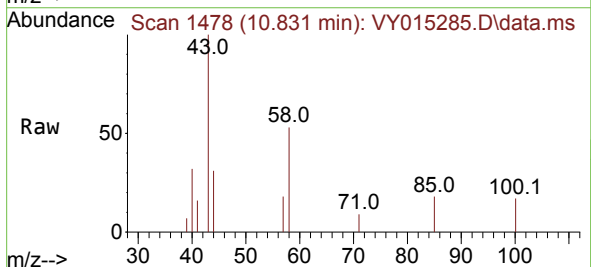
Instrument :
MSVOA_Y
ClientSampleId :

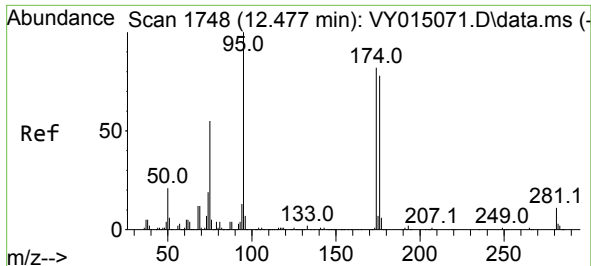
Tgt Ion: 43 Resp: 2244
Ion Ratio Lower Upper
43 100
58 35.5 29.0 43.6



#59
2-Hexanone
Concen: 1.039 ug/l
RT: 10.831 min Scan# 1478
Delta R.T. -0.000 min
Lab File: VY015285.D
Acq: 23 Aug 2023 16:54

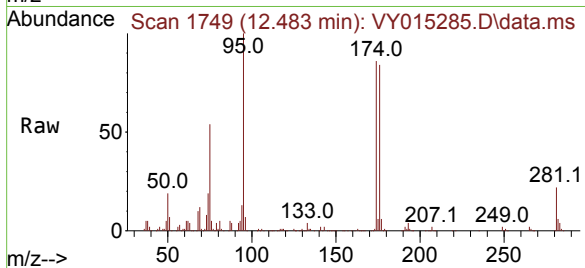
Tgt Ion: 43 Resp: 1451
Ion Ratio Lower Upper
43 100
58 49.1 25.1 75.3



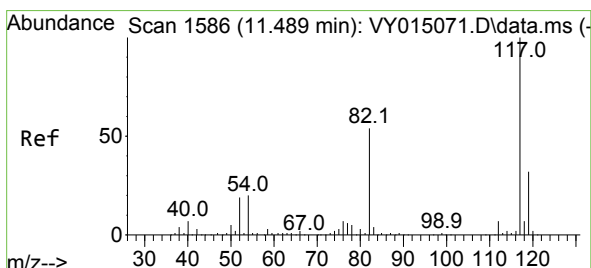
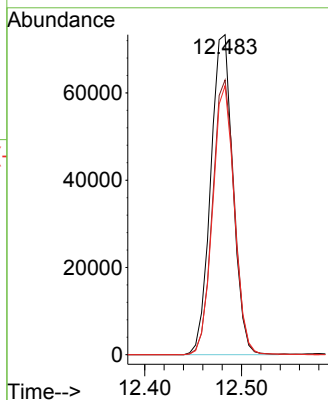
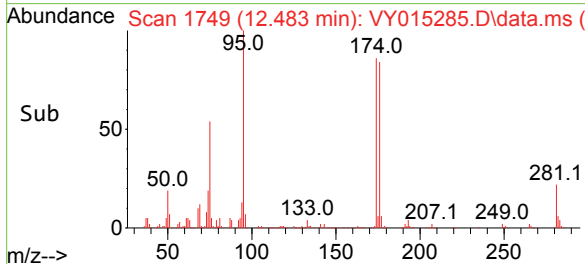


#62
4-Bromofluorobenzene
Concen: 49.691 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015285.D
Acq: 23 Aug 2023 16:54

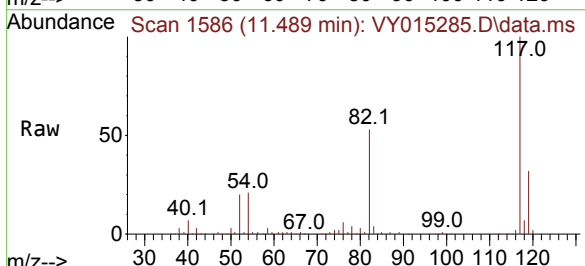
Instrument :
MSVOA_Y
ClientSampleId :



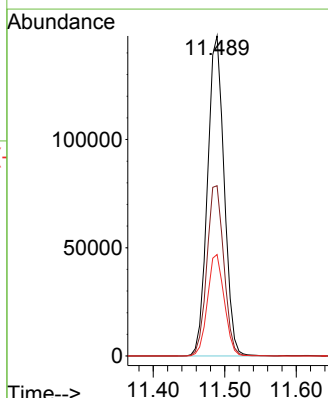
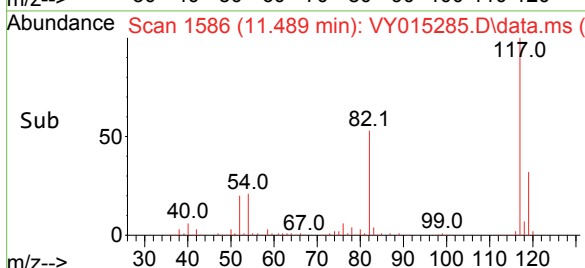
Tgt Ion: 95 Resp: 117084
Ion Ratio Lower Upper
95 100
174 84.7 0.0 178.2
176 82.1 0.0 173.8

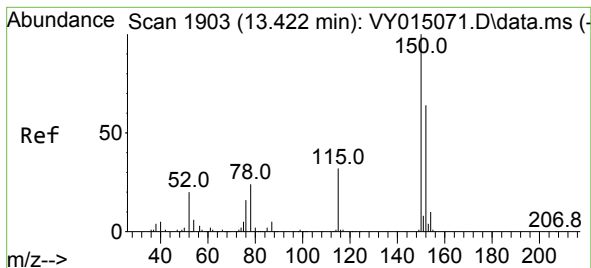


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY015285.D
Acq: 23 Aug 2023 16:54



Tgt Ion: 117 Resp: 238864
Ion Ratio Lower Upper
117 100
82 53.2 43.4 65.0
119 31.7 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: VY015285.D

Acq: 23 Aug 2023 16:54

Instrument :

MSVOA_Y

ClientSampleId :

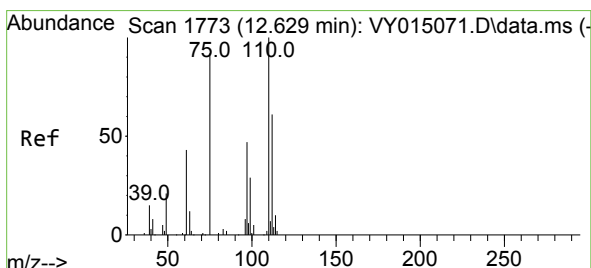
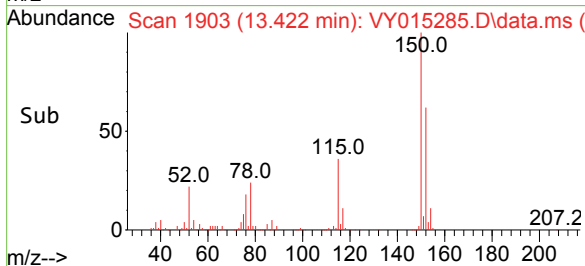
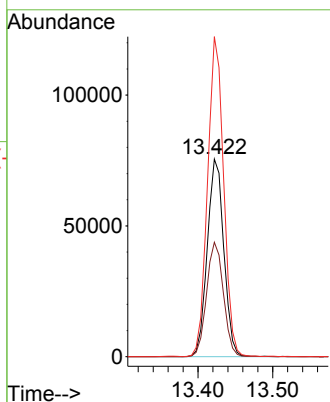
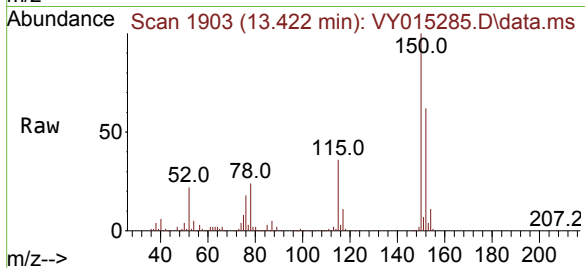
Tgt Ion:152 Resp: 116144

Ion Ratio Lower Upper

152 100

115 58.9 28.8 86.5

150 157.4 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 45.328 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015285.D

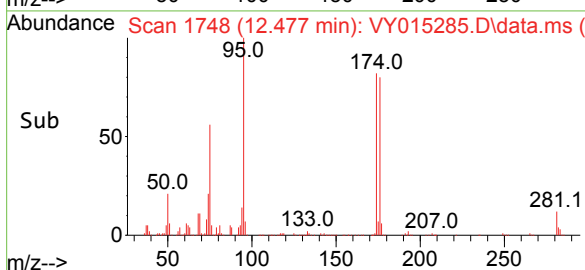
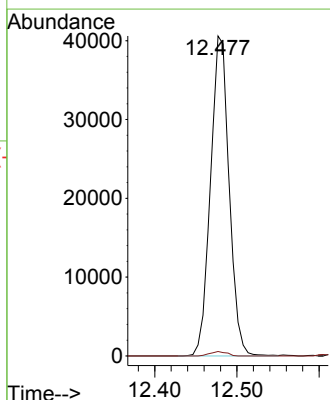
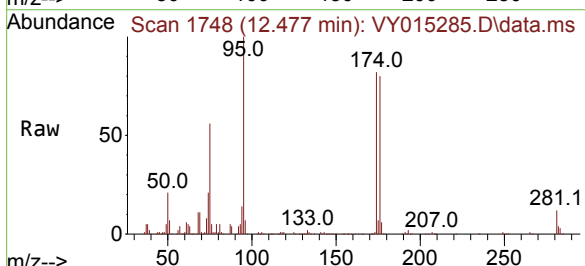
Acq: 23 Aug 2023 16:54

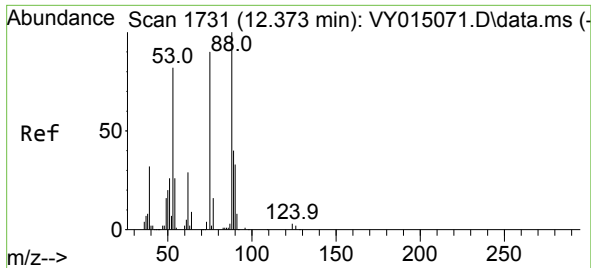
Tgt Ion: 75 Resp: 63961

Ion Ratio Lower Upper

75 100

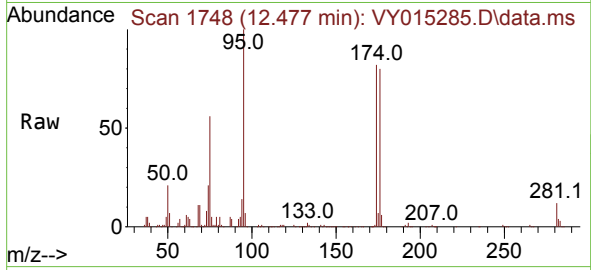
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.563 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY015285.D
 Acq: 23 Aug 2023 16:54

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#

