

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101723\
 Data File : VY016006.D
 Acq On : 17 Oct 2023 15:58
 Operator : SY/MD
 Sample : 04908-07
 Misc : 4.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 18 06:08:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 13 13:13:02 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

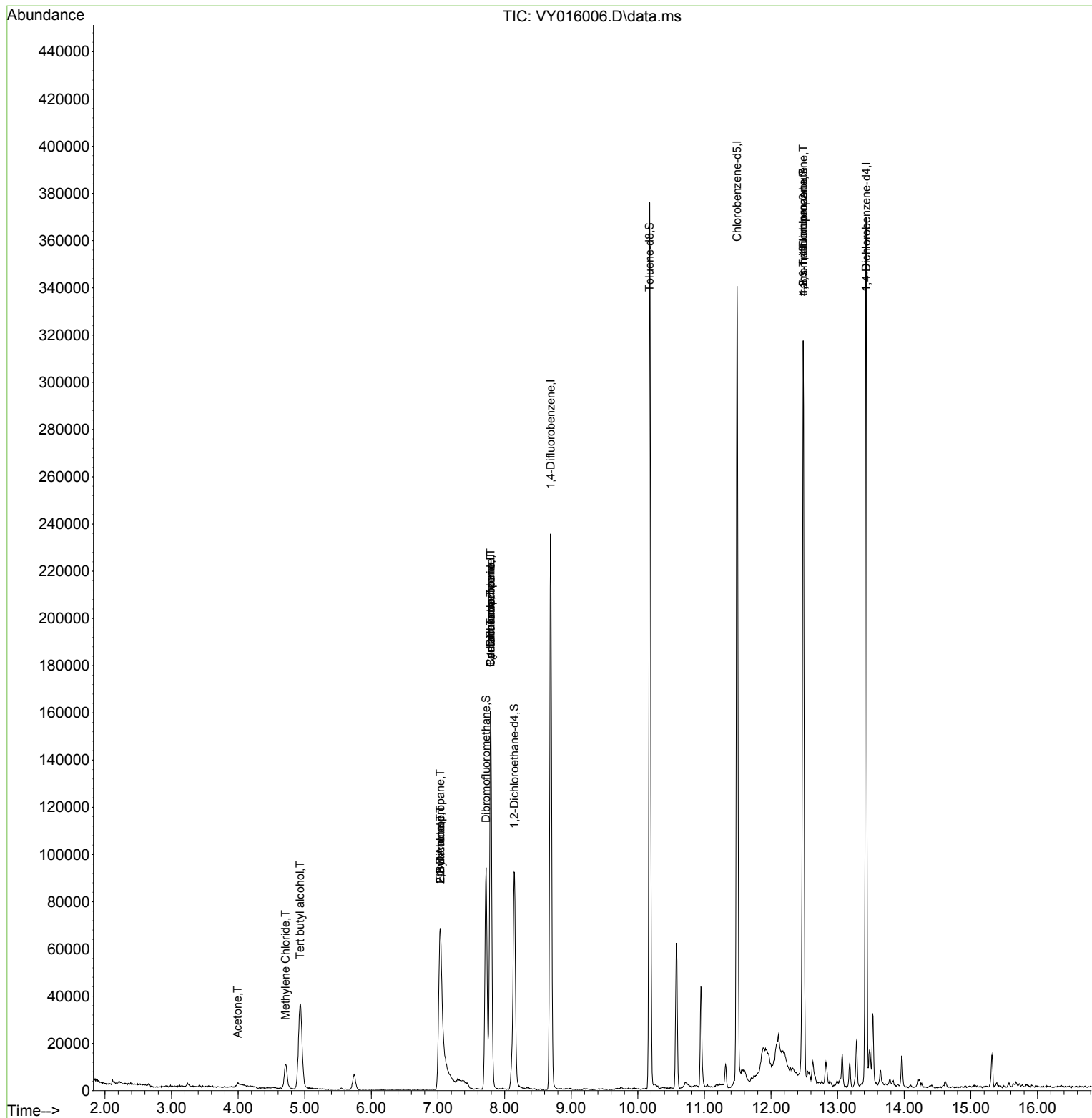
Internal Standards						
1) Pentafluorobenzene	7.789	168	125953	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	209854	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	194181	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	94600	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	74566	51.873	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.740%			
35) Dibromofluoromethane	7.722	113	67600	51.168	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.340%			
50) Toluene-d8	10.179	98	245685	49.658	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.320%			
62) 4-Bromofluorobenzene	12.483	95	84273	47.835	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.660%			
Target Compounds						
3) Chloromethane	2.113	50	714	Below Cal	Qvalue 90	
11) Tert butyl alcohol	4.930	59	34121	40.913 ug/l #	93	
16) Acetone	3.991	43	2424	2.903 ug/l	97	
20) Methylene Chloride	4.710	84	8259	1.120 ug/l #	82	
25) 2-Butanone	7.033	43	7291	5.999 ug/l #	84	
26) 2,2-Dichloropropane	7.033	77	6999	3.447 ug/l #	54	
31) Cyclohexane	7.789	56	2435	1.064 ug/l #	1	
36) 1,1-Dichloropropene	7.789	75	10385	5.210 ug/l #	49	
37) Ethyl Acetate	7.033	43	7291	2.370 ug/l #	11	
38) Carbon Tetrachloride	7.789	117	12406	5.909 ug/l #	16	
76) 1,2,3-Trichloropropane	12.483	75	43571	23.535 ug/l #	100	
81) trans-1,4-Dichloro-2-b...	12.483	75	43571	55.441 ug/l #	11	

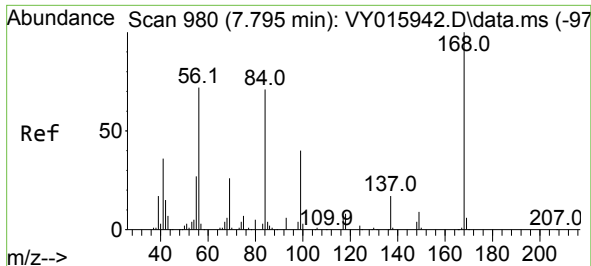
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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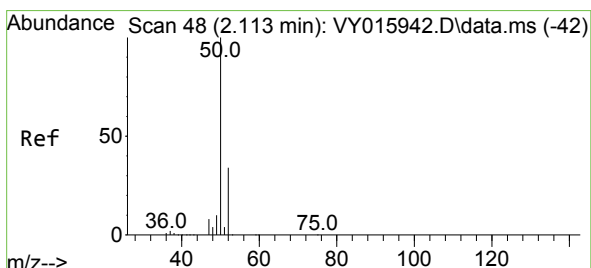
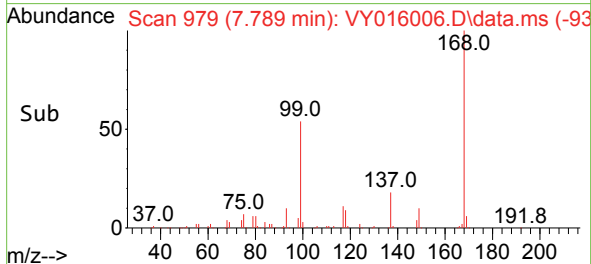
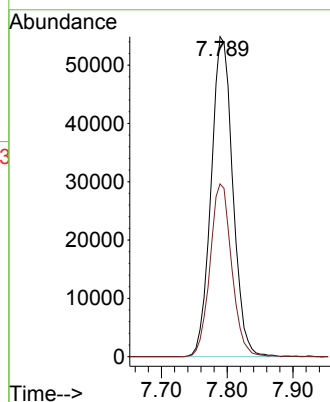
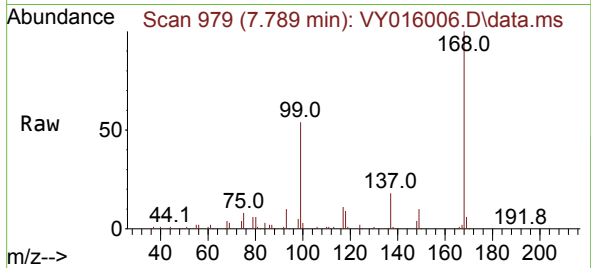




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY016006.D
Acq: 17 Oct 2023 15:58

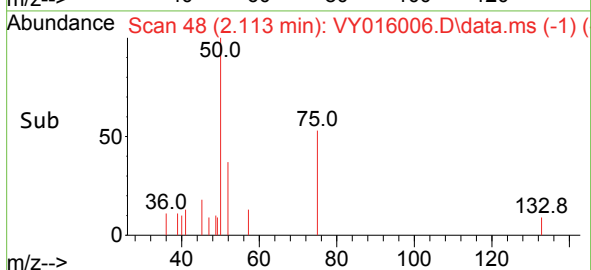
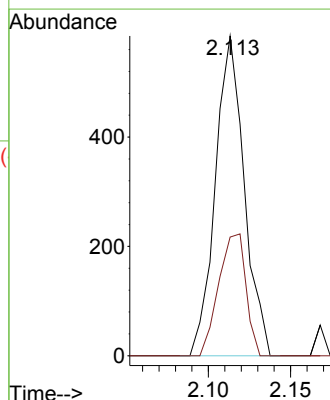
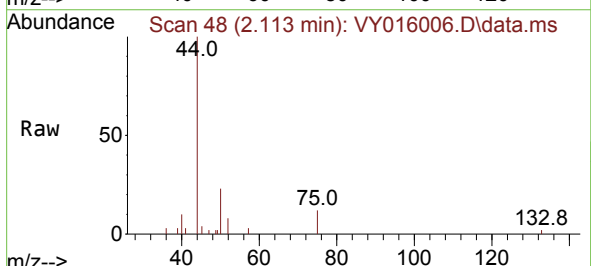
Instrument :
MSVOA_Y
ClientSampleId :

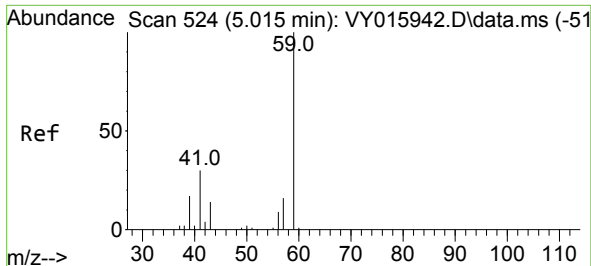
Tgt Ion:168 Resp: 125953
Ion Ratio Lower Upper
168 100
99 54.0 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY016006.D
Acq: 17 Oct 2023 15:58

Tgt Ion: 50 Resp: 714
Ion Ratio Lower Upper
50 100
52 37.1 25.4 38.2

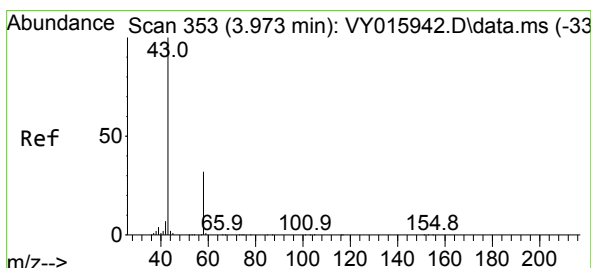
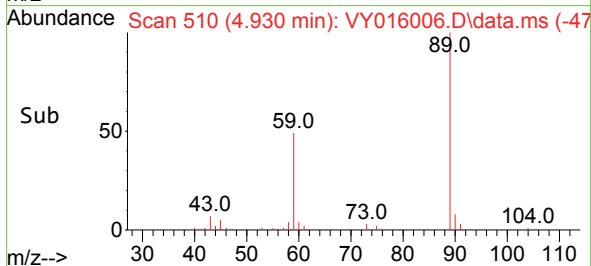
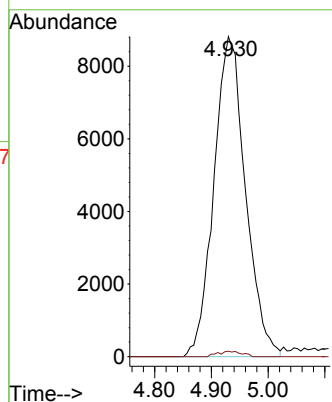
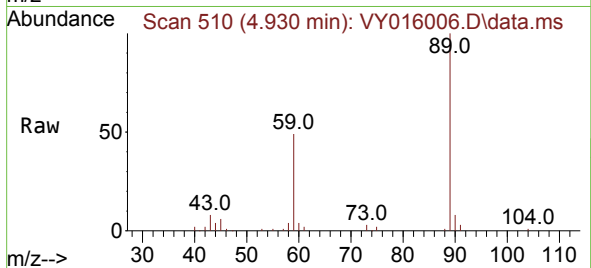




#11
Tert butyl alcohol
Concen: 40.913 ug/l
RT: 4.930 min Scan# 51
Delta R.T. -0.085 min
Lab File: VY016006.D
Acq: 17 Oct 2023 15:58

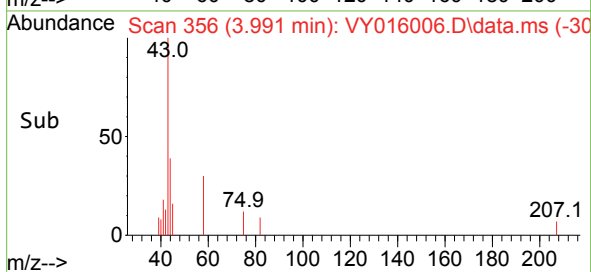
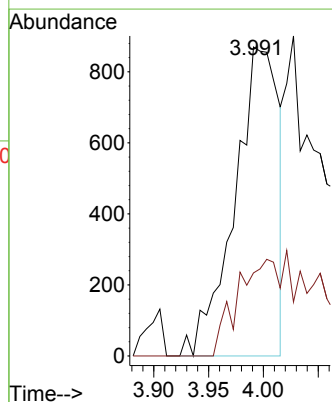
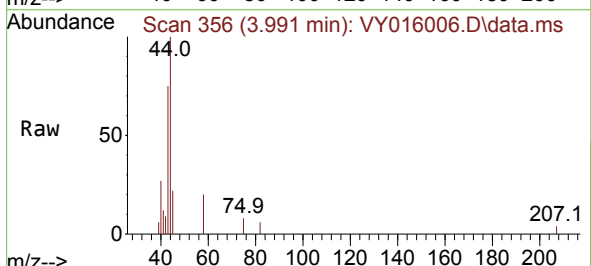
Instrument :
MSVOA_Y
ClientSampleId :

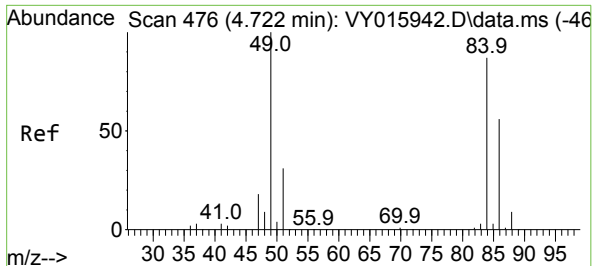
Tgt Ion: 59 Resp: 34121
Ion Ratio Lower Upper
59 100
57 1.3 3.0 4.4#



#16
Acetone
Concen: 2.903 ug/l
RT: 3.991 min Scan# 356
Delta R.T. 0.018 min
Lab File: VY016006.D
Acq: 17 Oct 2023 15:58

Tgt Ion: 43 Resp: 2424
Ion Ratio Lower Upper
43 100
58 26.9 22.7 34.1





#20

Methylene Chloride

Concen: 1.120 ug/l

RT: 4.710 min Scan# 41

Delta R.T. -0.012 min

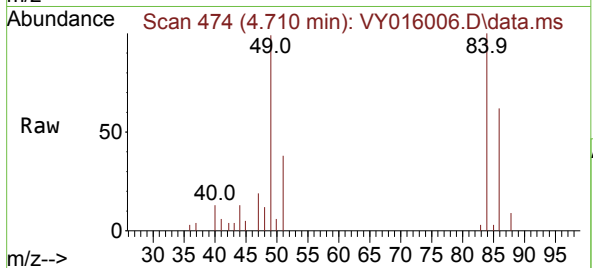
Lab File: VY016006.D

Acq: 17 Oct 2023 15:58

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 8259

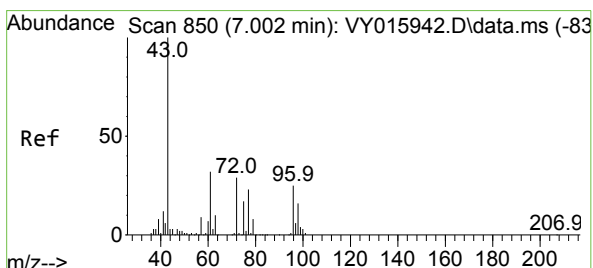
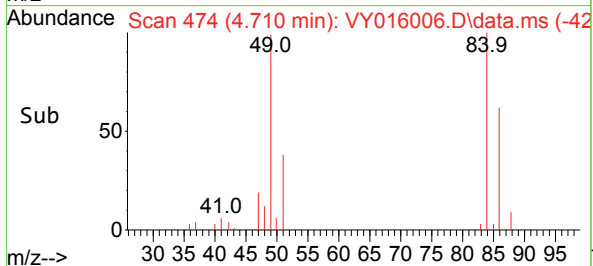
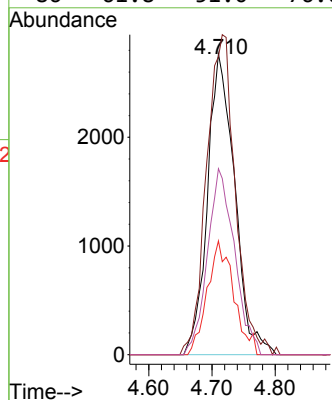
Ion Ratio Lower Upper

84 100

49 99.0 106.9 160.3#

51 37.8 33.2 49.8

86 61.8 51.0 76.6



#25

2-Butanone

Concen: 5.999 ug/l

RT: 7.033 min Scan# 855

Delta R.T. 0.031 min

Lab File: VY016006.D

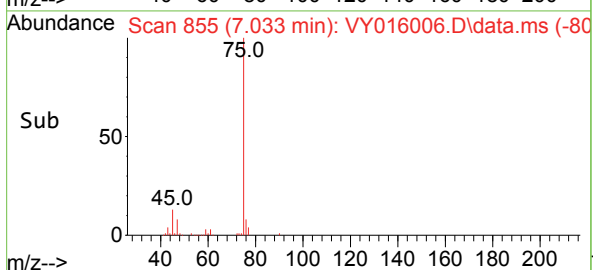
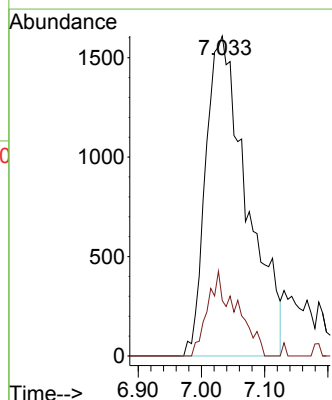
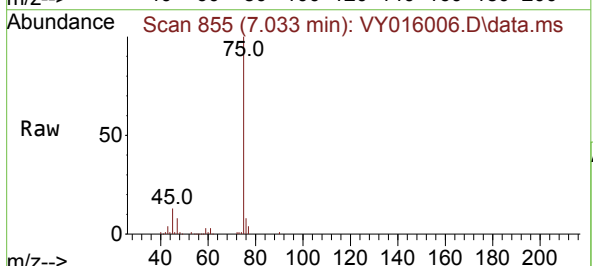
Acq: 17 Oct 2023 15:58

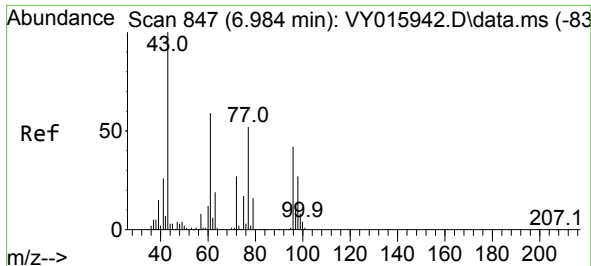
Tgt Ion: 43 Resp: 7291

Ion Ratio Lower Upper

43 100

72 17.3 20.5 30.7#





#26

2,2-Dichloropropane

Concen: 3.447 ug/l

RT: 7.033 min Scan# 81

Delta R.T. 0.049 min

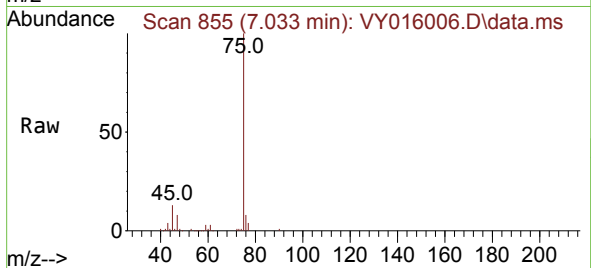
Lab File: VY016006.D

Acq: 17 Oct 2023 15:58

Instrument :

MSVOA_Y

ClientSampleId :

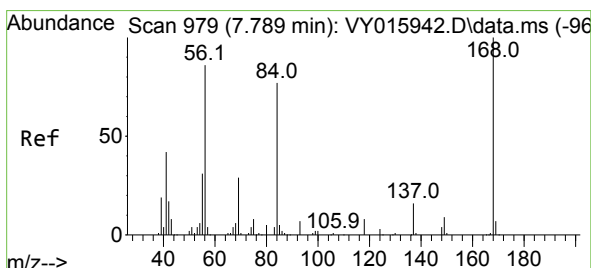
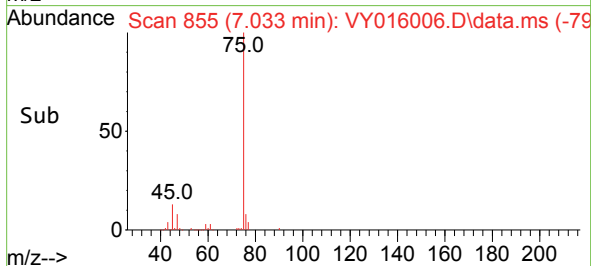
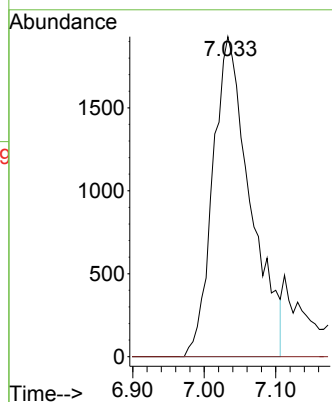


Tgt Ion: 77 Resp: 6999

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#31

Cyclohexane

Concen: 1.064 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.000 min

Lab File: VY016006.D

Acq: 17 Oct 2023 15:58

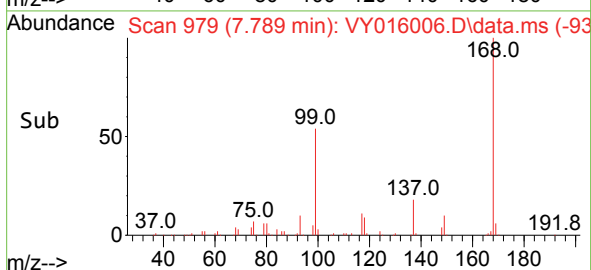
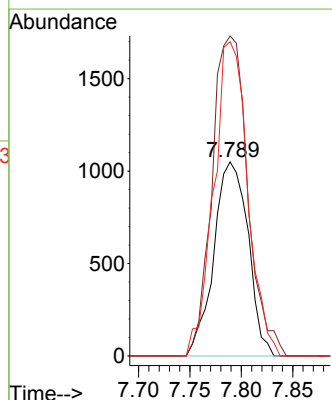
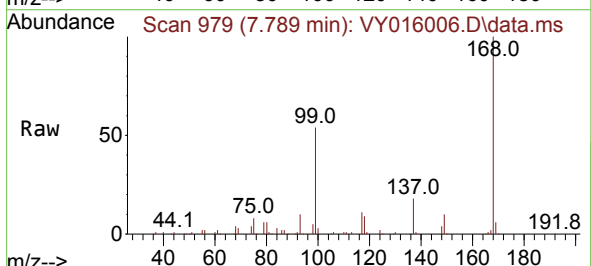
Tgt Ion: 56 Resp: 2435

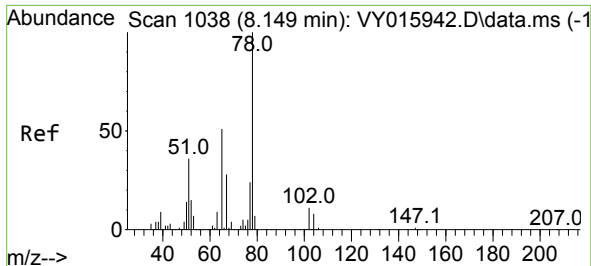
Ion Ratio Lower Upper

56 100

69 164.9 27.8 41.6#

84 161.9 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 51.873 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VY016006.D

Acq: 17 Oct 2023 15:58

Instrument :

MSVOA_Y

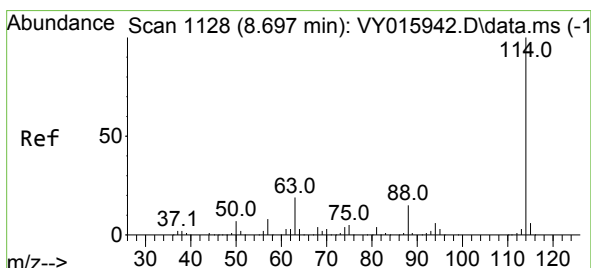
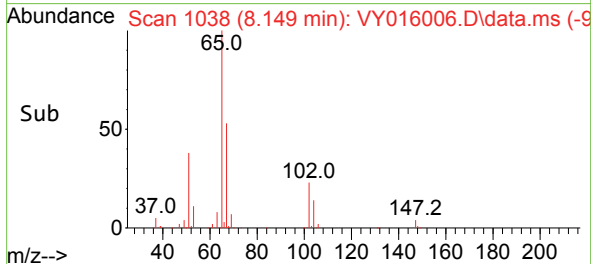
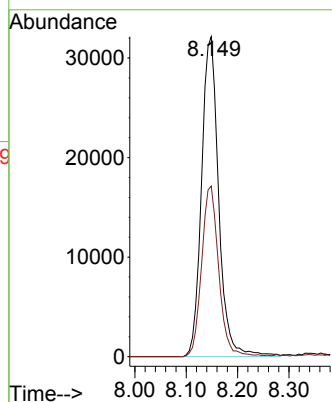
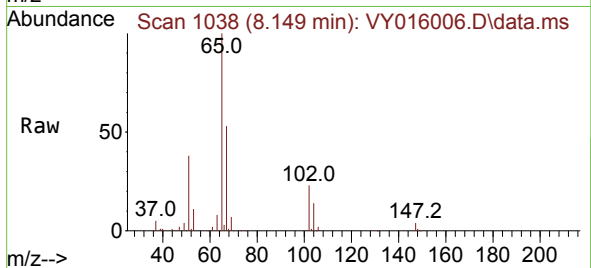
ClientSampleId :

Tgt Ion: 65 Resp: 74566

Ion Ratio Lower Upper

65 100

67 53.1 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY016006.D

Acq: 17 Oct 2023 15:58

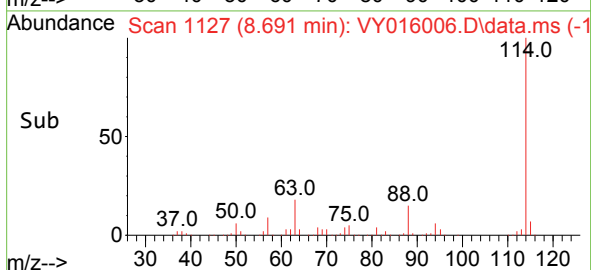
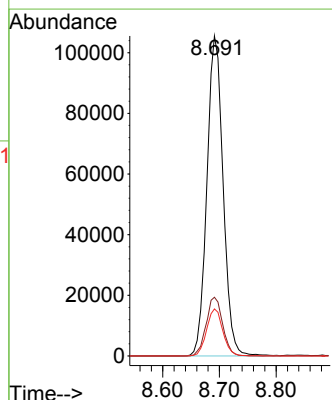
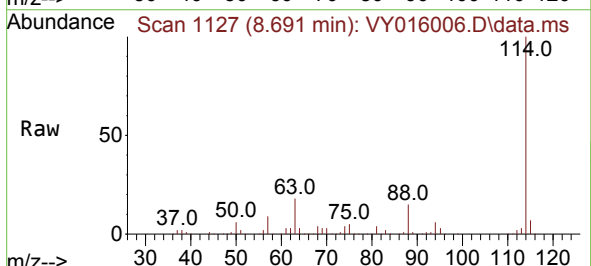
Tgt Ion: 114 Resp: 209854

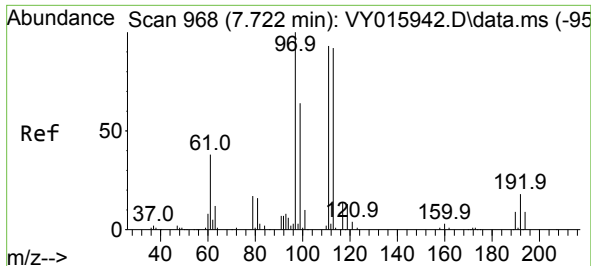
Ion Ratio Lower Upper

114 100

63 18.4 0.0 42.4

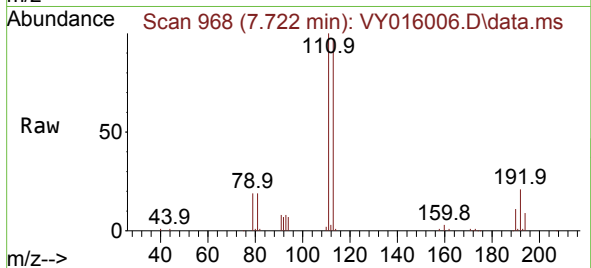
88 14.7 0.0 30.6



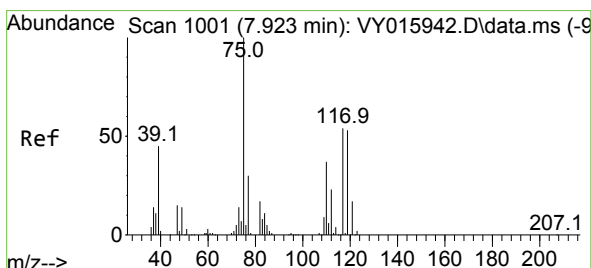
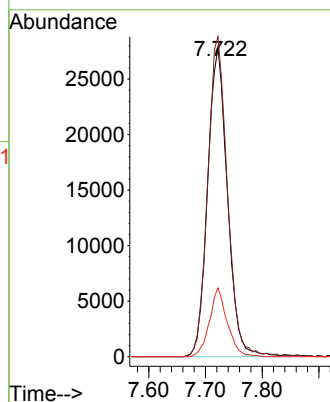
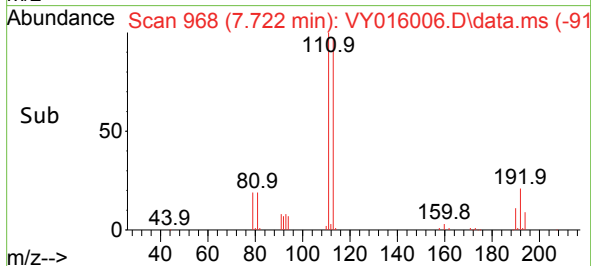


#35
Dibromofluoromethane
Concen: 51.168 ug/l
RT: 7.722 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY016006.D
Acq: 17 Oct 2023 15:58

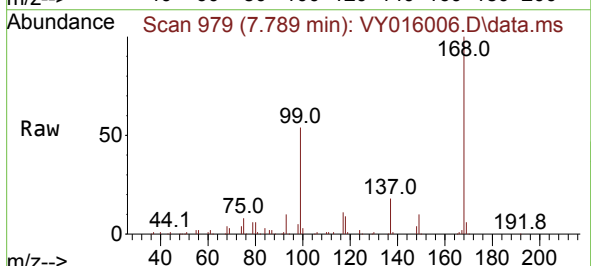
Instrument :
MSVOA_Y
ClientSampleId :



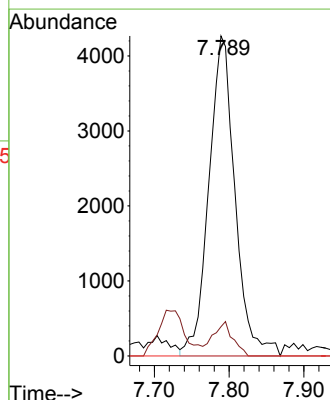
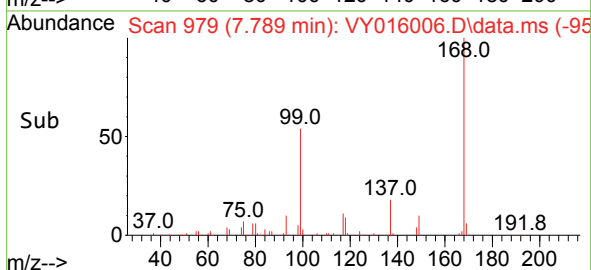
Tgt Ion:113 Resp: 67600
Ion Ratio Lower Upper
113 100
111 102.8 81.3 121.9
192 20.0 16.9 25.3

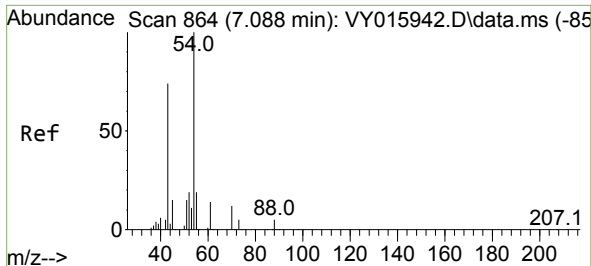


#36
1,1-Dichloropropene
Concen: 5.210 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY016006.D
Acq: 17 Oct 2023 15:58



Tgt Ion: 75 Resp: 10385
Ion Ratio Lower Upper
75 100
110 8.0 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 2.370 ug/l

RT: 7.033 min Scan# 81

Delta R.T. -0.055 min

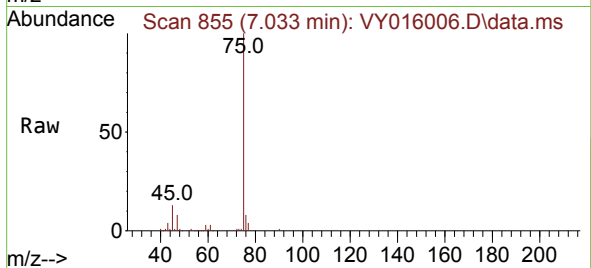
Lab File: VY016006.D

Acq: 17 Oct 2023 15:58

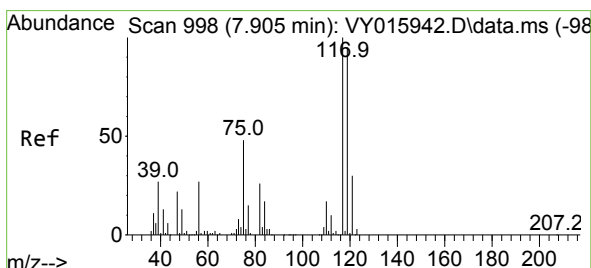
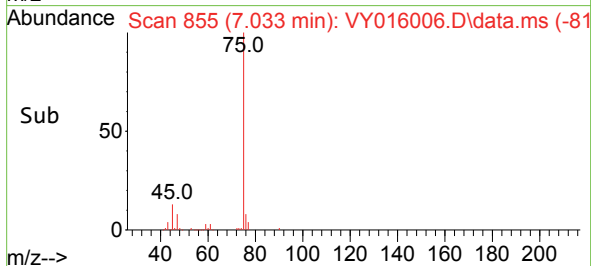
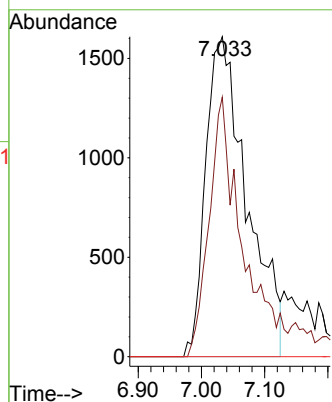
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	43	Resp:	7291
Ion	Ratio	Lower	Upper
43	100		
61	65.3	10.1	15.1#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 5.909 ug/l

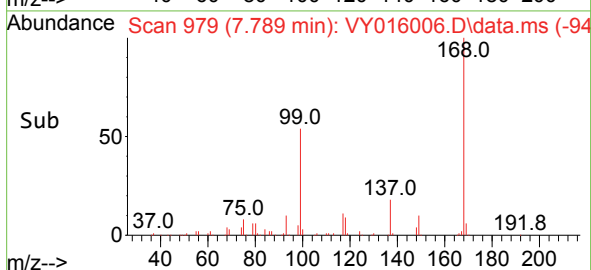
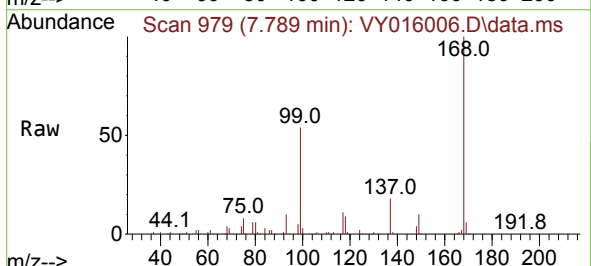
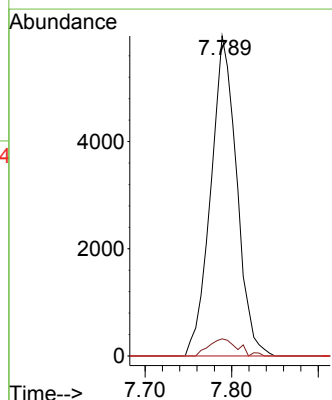
RT: 7.789 min Scan# 979

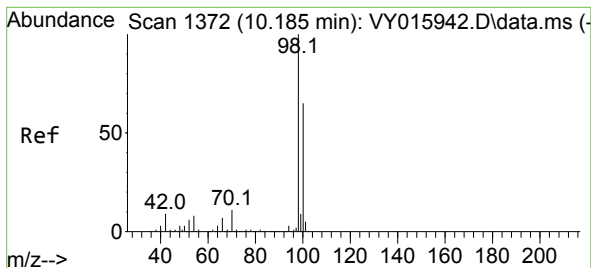
Delta R.T. -0.116 min

Lab File: VY016006.D

Acq: 17 Oct 2023 15:58

Tgt Ion:	117	Resp:	12406
Ion	Ratio	Lower	Upper
117	100		
119	5.3	76.4	114.6#
121	0.0	25.8	38.6#

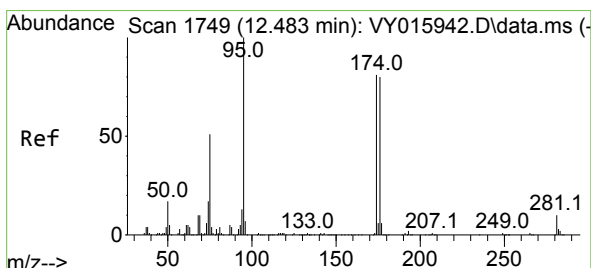
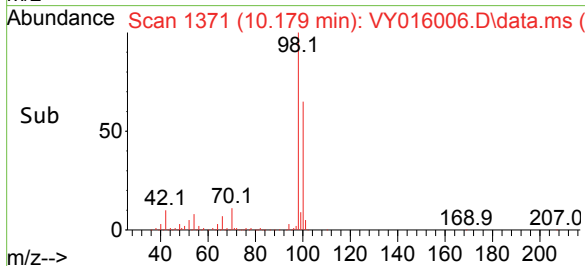
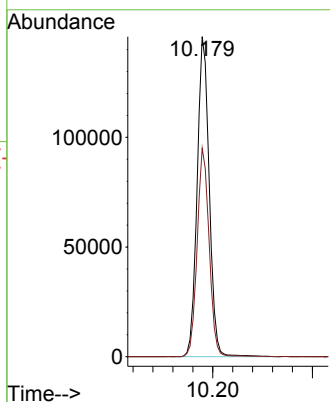
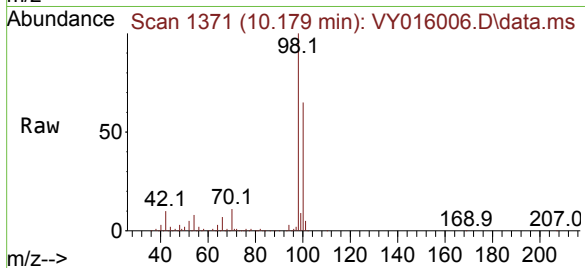




#50
Toluene-d8
Concen: 49.658 ug/l
RT: 10.179 min Scan# 1372
Delta R.T. -0.006 min
Lab File: VY016006.D
Acq: 17 Oct 2023 15:58

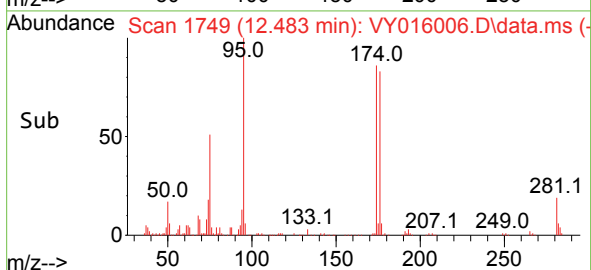
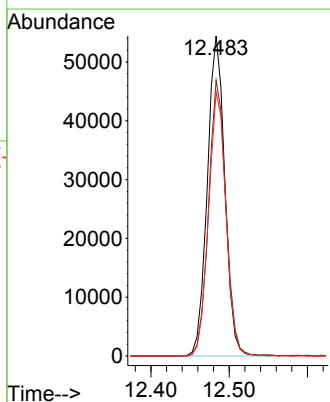
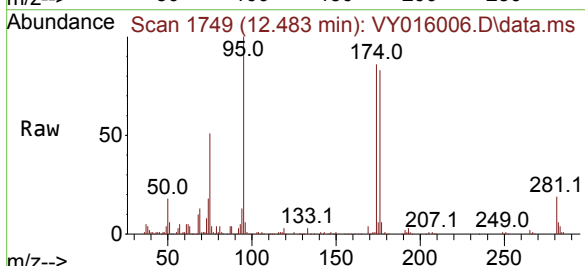
Instrument :
MSVOA_Y
ClientSampleId :

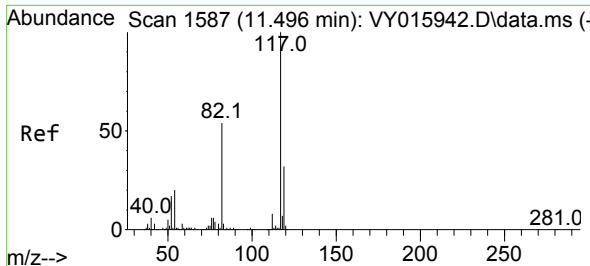
Tgt Ion: 98 Resp: 245685
Ion Ratio Lower Upper
98 100
100 64.7 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 47.835 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY016006.D
Acq: 17 Oct 2023 15:58

Tgt Ion: 95 Resp: 84273
Ion Ratio Lower Upper
95 100
174 85.8 0.0 178.2
176 82.1 0.0 173.8

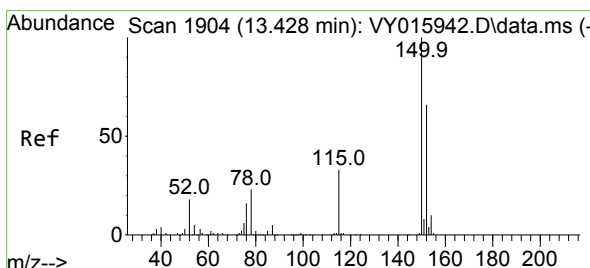
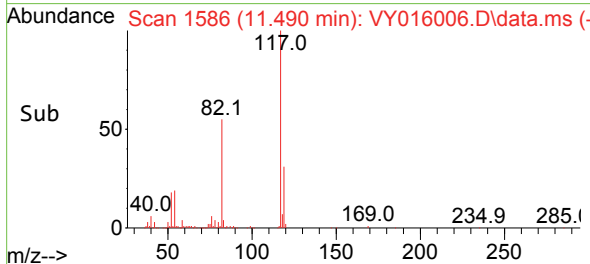
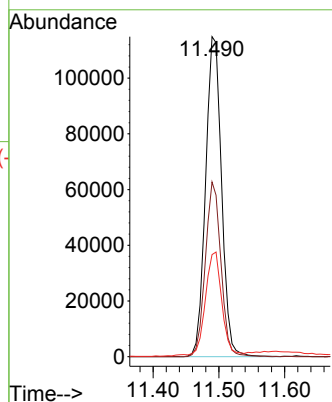
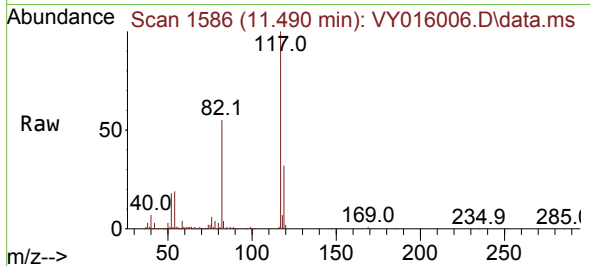




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY016006.D
Acq: 17 Oct 2023 15:58

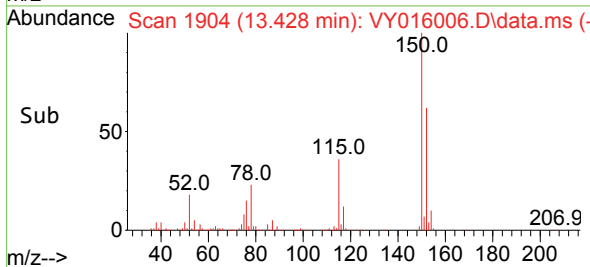
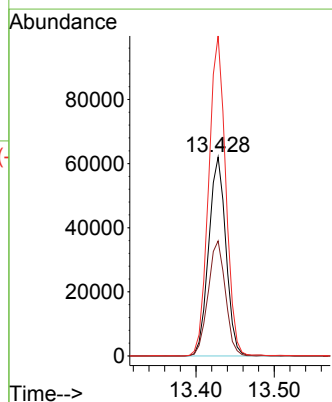
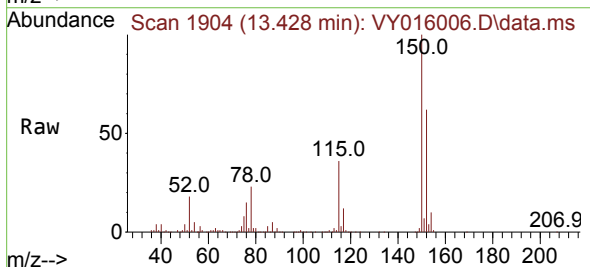
Instrument :
MSVOA_Y
ClientSampleId :

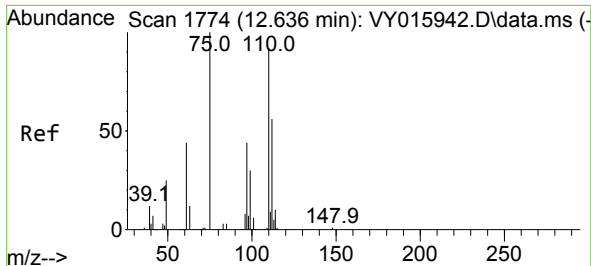
Tgt Ion:117 Resp: 194181
Ion Ratio Lower Upper
117 100
82 54.6 43.4 65.0
119 31.3 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY016006.D
Acq: 17 Oct 2023 15:58

Tgt Ion:152 Resp: 94600
Ion Ratio Lower Upper
152 100
115 58.2 28.8 86.5
150 159.4 0.0 348.8

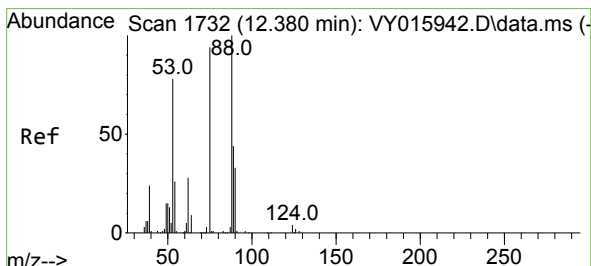
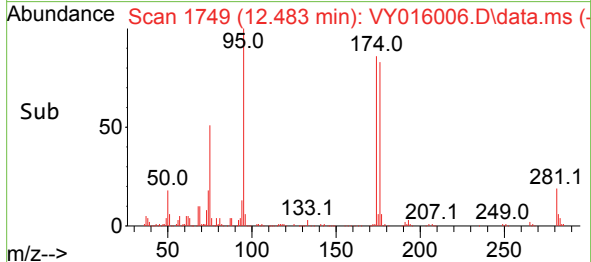
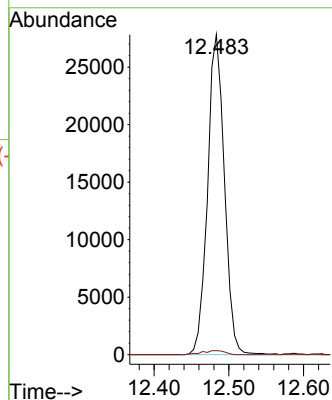
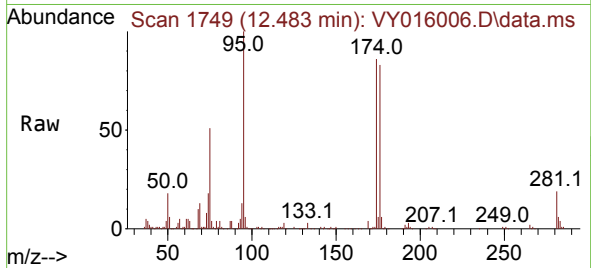




#76
1,2,3-Trichloropropane
Concen: 23.535 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY016006.D
Acq: 17 Oct 2023 15:58

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 43571
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.441 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY016006.D
Acq: 17 Oct 2023 15:58

Tgt Ion: 75 Resp: 43571
Ion Ratio Lower Upper
75 100
53 1.0 77.8 116.8#
89 0.3 37.4 56.0#

