

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
 Data File : VY015188.D
 Acq On : 18 Aug 2023 12:01
 Operator : SY/MD
 Sample : 04054-02
 Misc : 5.00g/5.1mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 18 23:07:08 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)

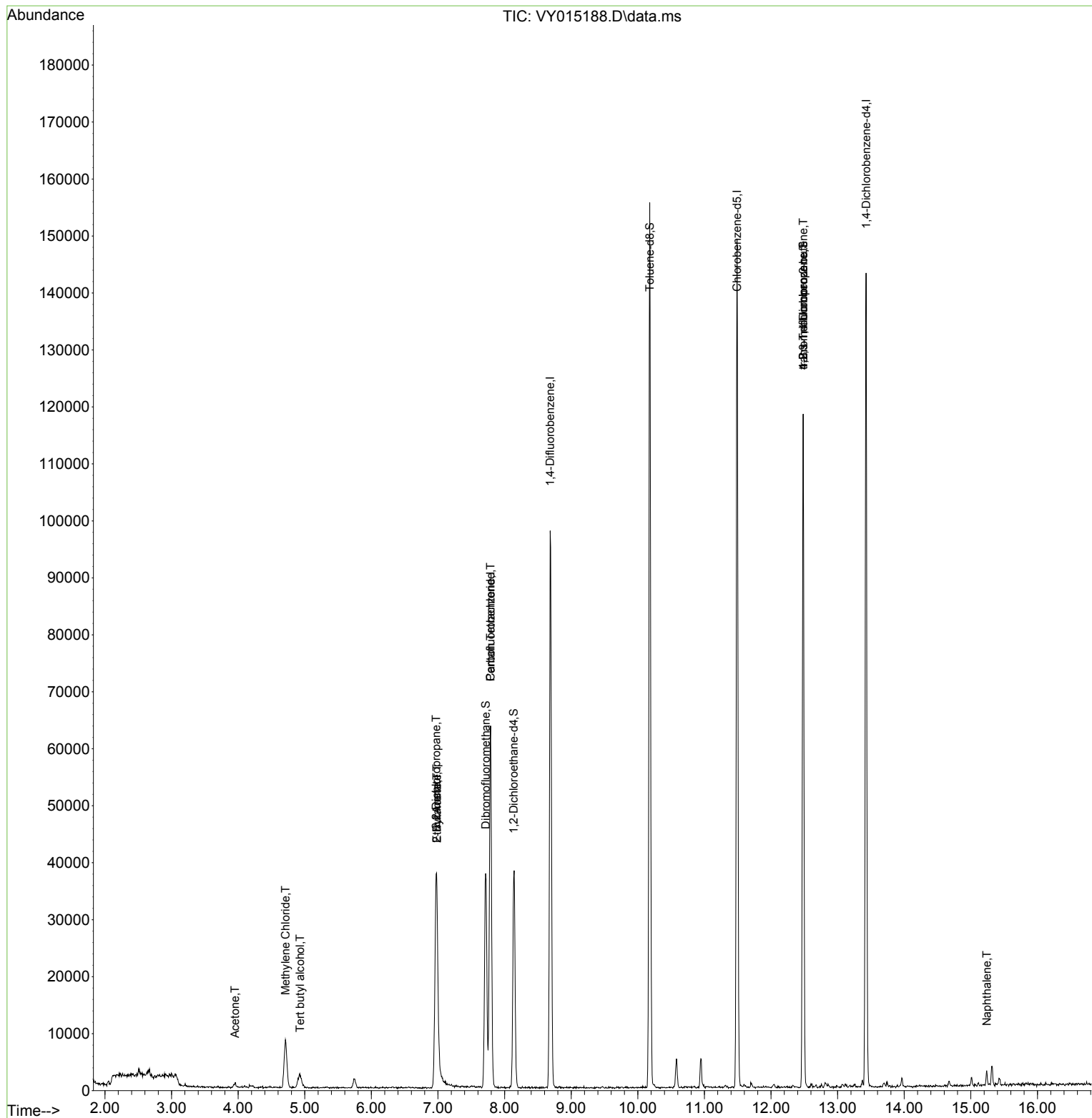
Internal Standards						
1) Pentafluorobenzene	7.789	168	49709	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	83876	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	81093	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	37265	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	31452	52.709	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.420%			
35) Dibromofluoromethane	7.716	113	27518	50.997	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.000%			
50) Toluene-d8	10.179	98	101208	50.384	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.760%			
62) 4-Bromofluorobenzene	12.483	95	35475	48.352	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.700%			
Target Compounds						
3) Chloromethane	2.113	50	330	Below Cal	Qvalue 93	
11) Tert butyl alcohol	4.930	59	3064	16.026 ug/l #	89	
16) Acetone	3.954	43	1175	6.028 ug/l	98	
20) Methylene Chloride	4.710	84	6277	9.971 ug/l #	81	
25) 2-Butanone	6.984	43	2181	7.902 ug/l #	49	
26) 2,2-Dichloropropane	6.972	77	2997	3.753 ug/l #	54	
31) Cyclohexane	7.783	56	982	Below Cal #	9	
37) Ethyl Acetate	6.984	43	2181	3.919 ug/l #	1	
38) Carbon Tetrachloride	7.789	117	4813	6.812 ug/l #	16	
76) 1,2,3-Trichloropropane	12.483	75	19083	42.150 ug/l #	100	
81) trans-1,4-Dichloro-2-b...	12.483	75	19083	92.581 ug/l #	10	
95) Naphthalene	15.239	128	2180	1.260 ug/l	97	

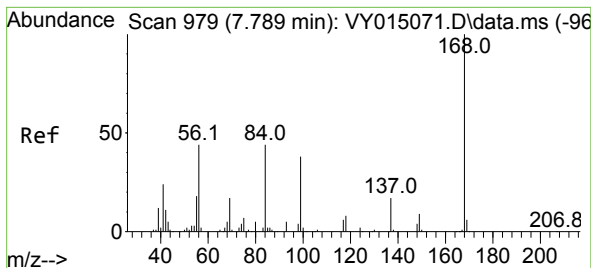
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY015188.D

Acq: 18 Aug 2023 12:01

Instrument :

MSVOA_Y

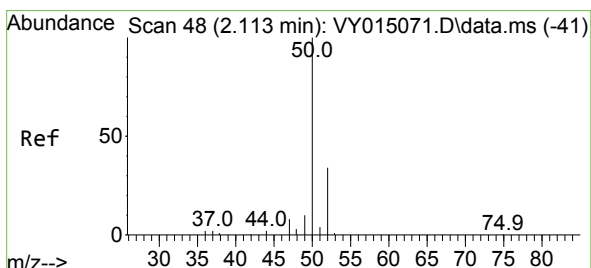
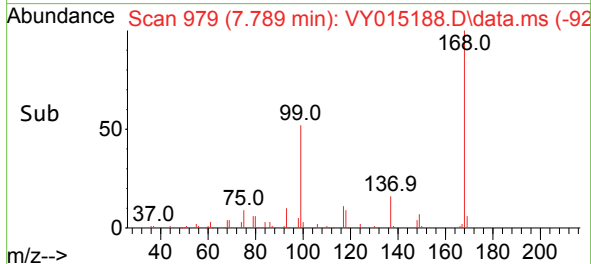
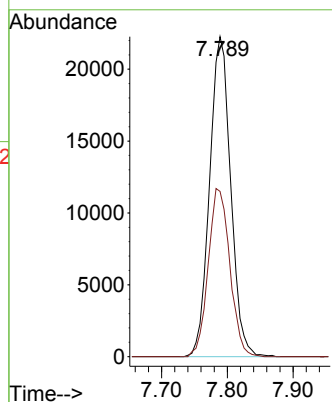
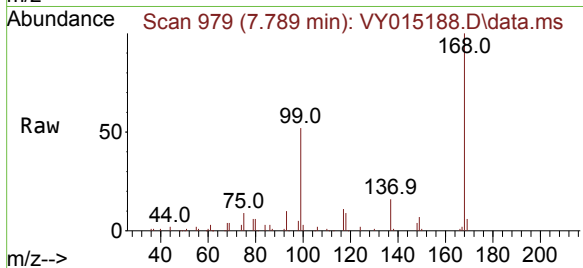
ClientSampleId :

Tgt Ion:168 Resp: 49709

Ion Ratio Lower Upper

168 100

99 51.7 43.4 65.0



#3

Chloromethane

Concen: Below Cal

RT: 2.113 min Scan# 48

Delta R.T. 0.006 min

Lab File: VY015188.D

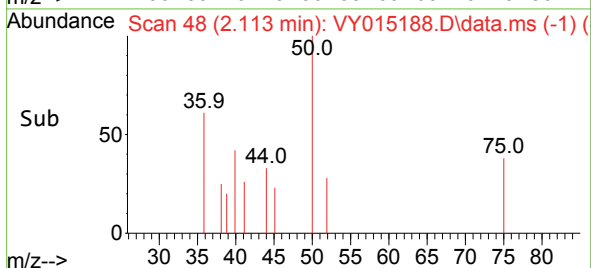
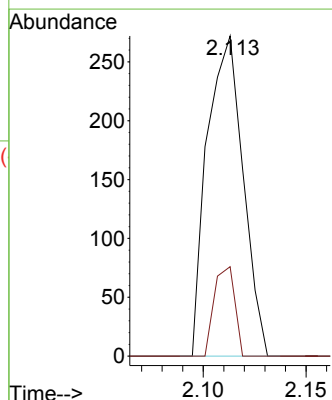
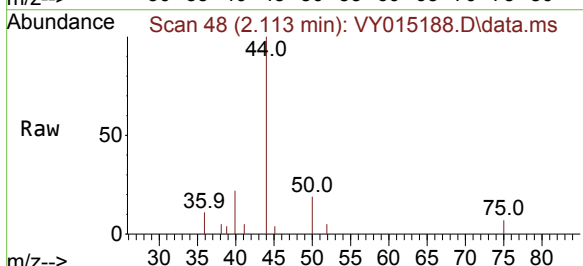
Acq: 18 Aug 2023 12:01

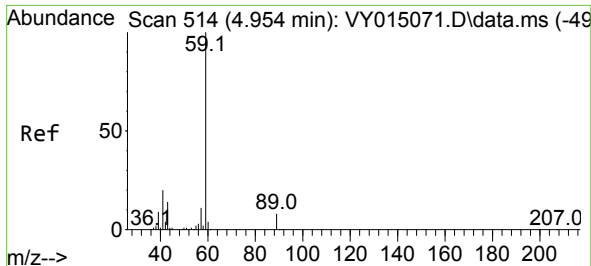
Tgt Ion: 50 Resp: 330

Ion Ratio Lower Upper

50 100

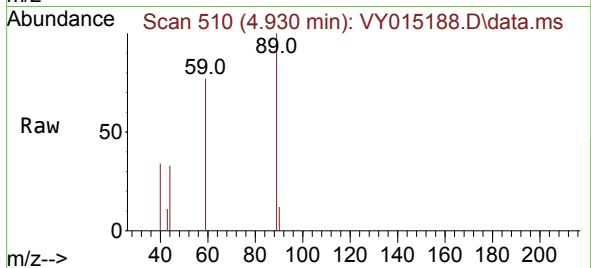
52 27.9 25.4 38.2



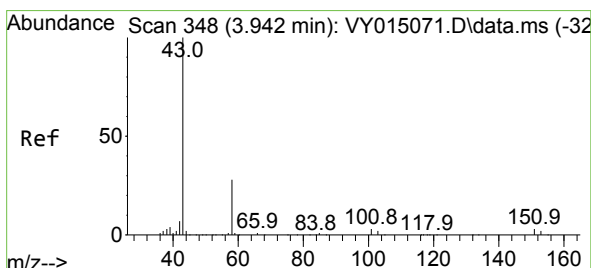
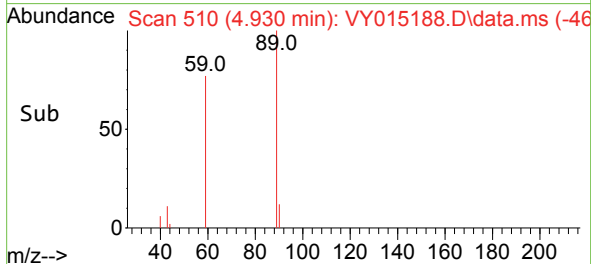
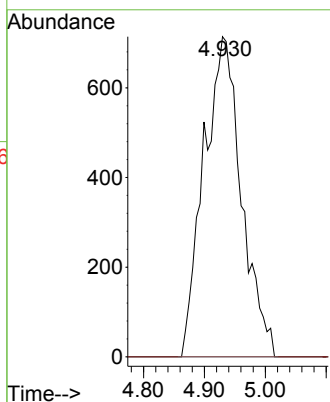


#11
Tert butyl alcohol
Concen: 16.026 ug/l
RT: 4.930 min Scan# 514
Delta R.T. -0.018 min
Lab File: VY015188.D
Acq: 18 Aug 2023 12:01

Instrument :
MSVOA_Y
ClientSampleId :

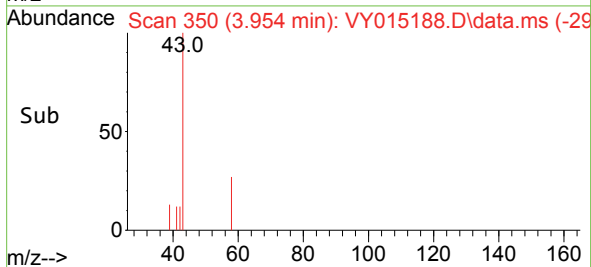
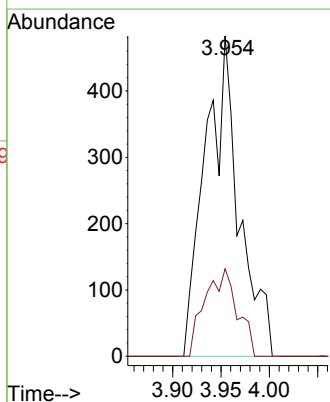
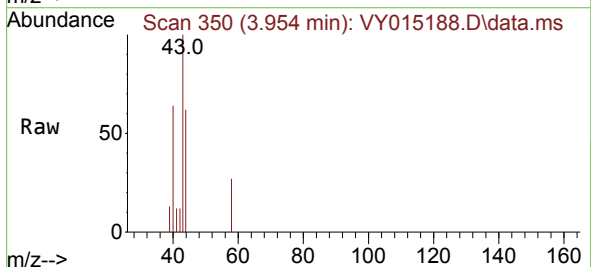


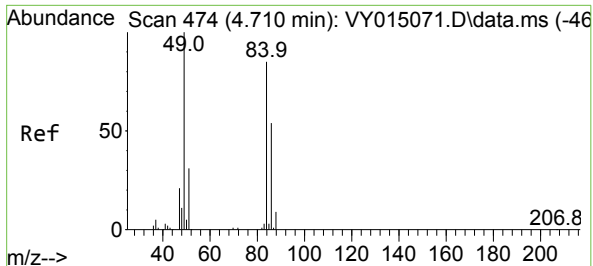
Tgt Ion: 59 Resp: 3064
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 6.028 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY015188.D
Acq: 18 Aug 2023 12:01

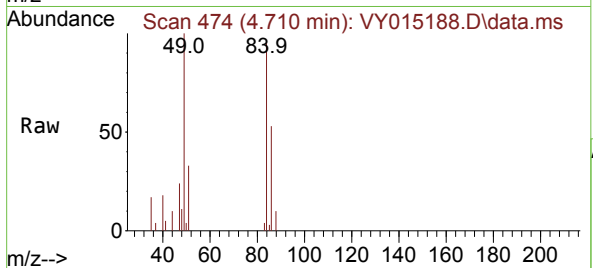
Tgt Ion: 43 Resp: 1175
Ion Ratio Lower Upper
43 100
58 27.3 22.7 34.1



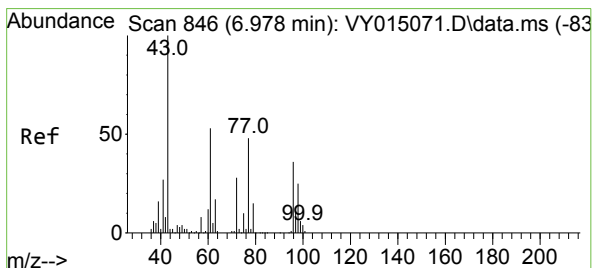
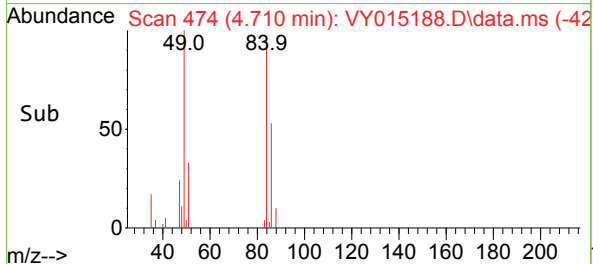
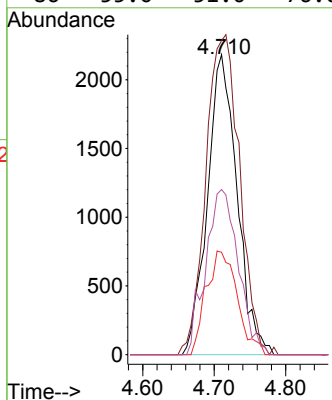


#20
Methylene Chloride
Concen: 9.971 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY015188.D
Acq: 18 Aug 2023 12:01

Instrument :
MSVOA_Y
ClientSampleId :

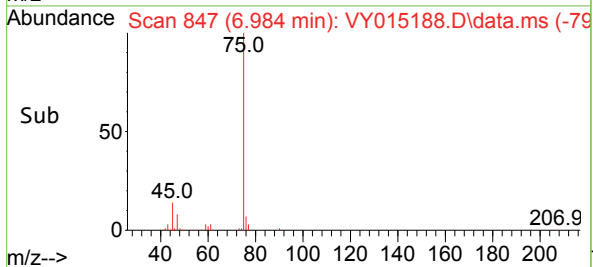
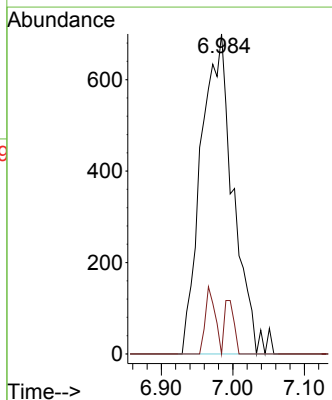
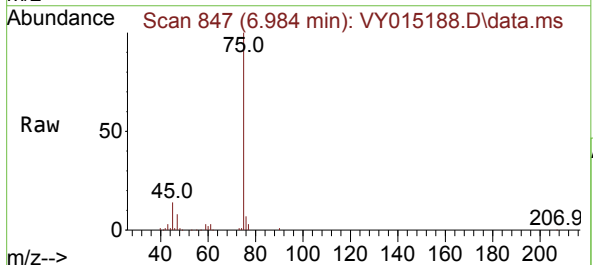


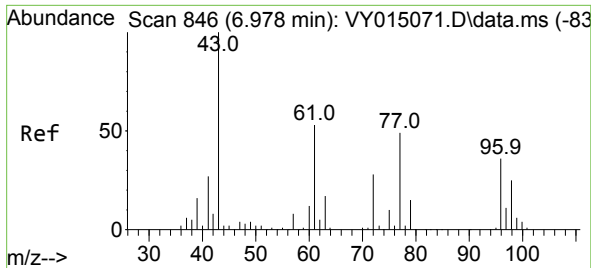
Tgt Ion: 84 Resp: 6277
Ion Ratio Lower Upper
84 100
49 104.7 106.9 160.3#
51 34.1 33.2 49.8
86 55.0 51.0 76.6



#25
2-Butanone
Concen: 7.902 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY015188.D
Acq: 18 Aug 2023 12:01

Tgt Ion: 43 Resp: 2181
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#

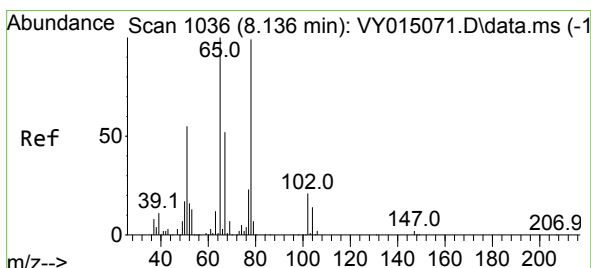
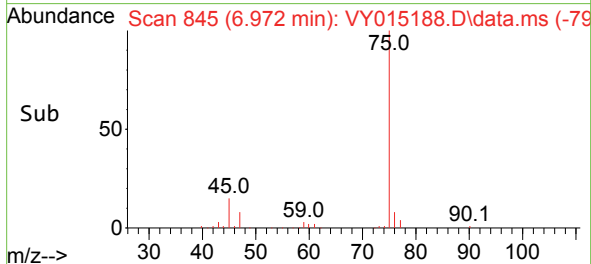
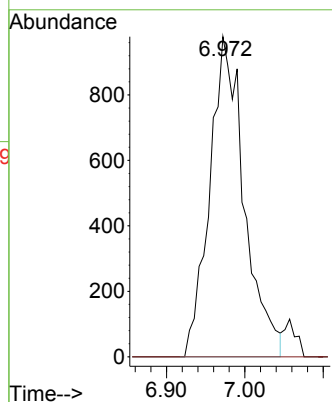
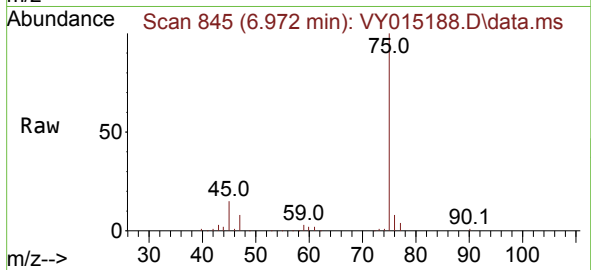




#26
2,2-Dichloropropane
Concen: 3.753 ug/l
RT: 6.972 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY015188.D
Acq: 18 Aug 2023 12:01

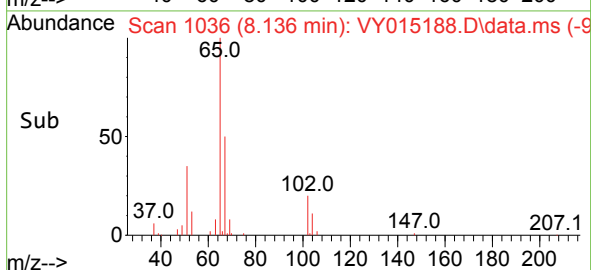
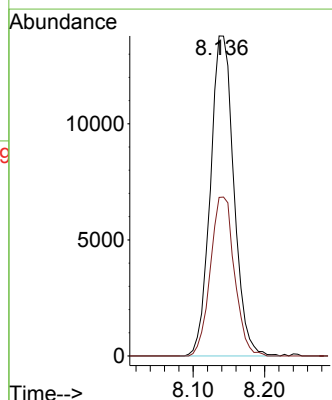
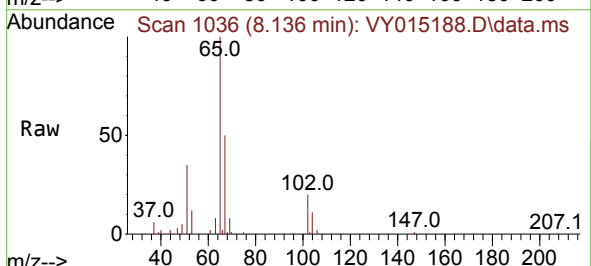
Instrument :
MSVOA_Y
ClientSampleId :

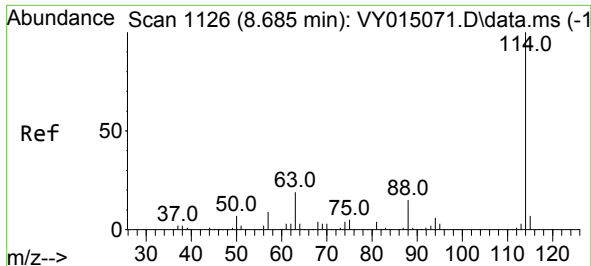
Tgt Ion: 77 Resp: 2997
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#33
1,2-Dichloroethane-d4
Concen: 52.709 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY015188.D
Acq: 18 Aug 2023 12:01

Tgt Ion: 65 Resp: 31452
Ion Ratio Lower Upper
65 100
67 50.8 0.0 101.8

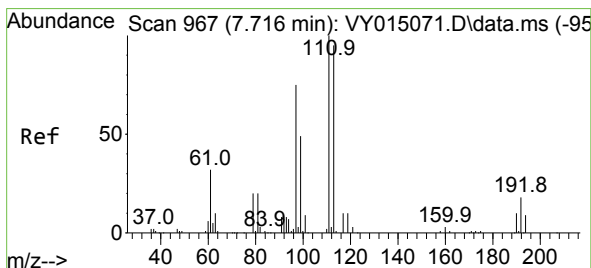
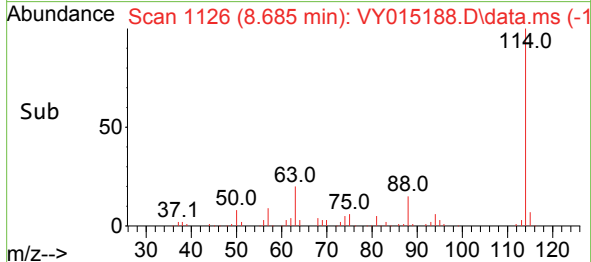
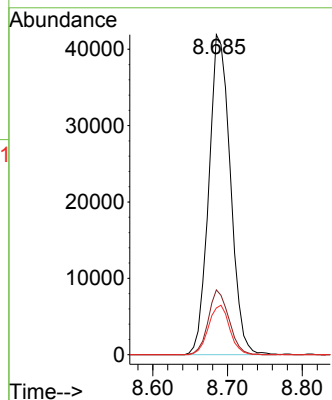
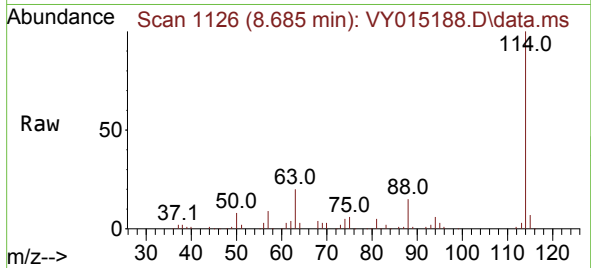




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VY015188.D
Acq: 18 Aug 2023 12:01

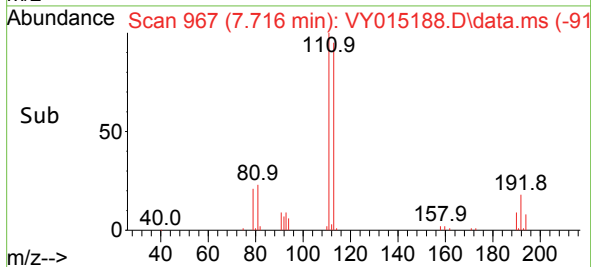
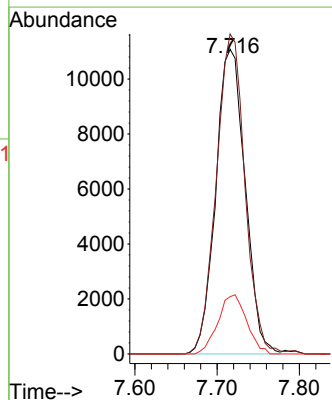
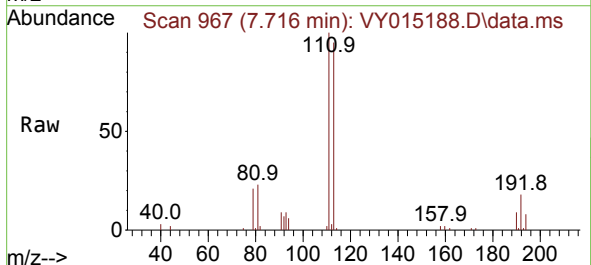
Instrument :
MSVOA_Y
ClientSampleId :

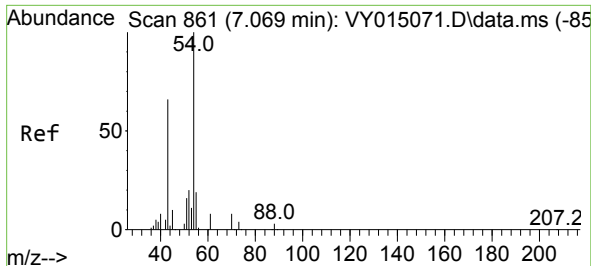
Tgt Ion:114 Resp: 83876
Ion Ratio Lower Upper
114 100
63 20.2 0.0 42.4
88 14.6 0.0 30.6



#35
Dibromofluoromethane
Concen: 50.997 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY015188.D
Acq: 18 Aug 2023 12:01

Tgt Ion:113 Resp: 27518
Ion Ratio Lower Upper
113 100
111 102.2 81.3 121.9
192 19.0 16.9 25.3





#37

Ethyl Acetate

Concen: 3.919 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.085 min

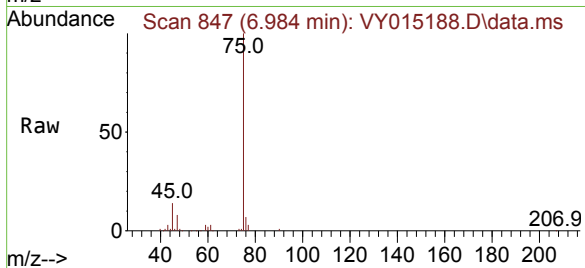
Lab File: VY015188.D

Acq: 18 Aug 2023 12:01

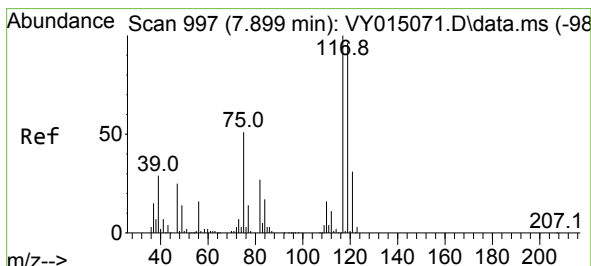
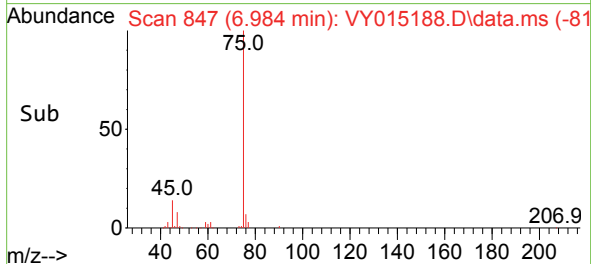
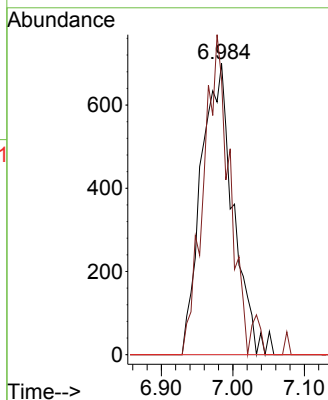
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	43	Resp:	2181
Ion	Ratio	Lower	Upper
43	100		
61	88.4	10.1	15.1#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 6.812 ug/l

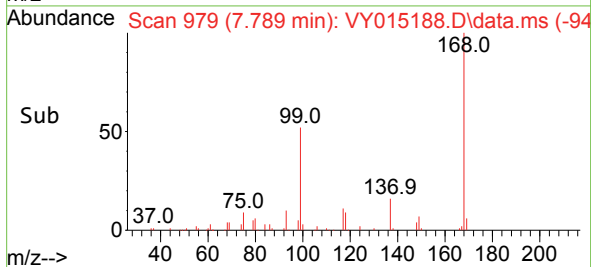
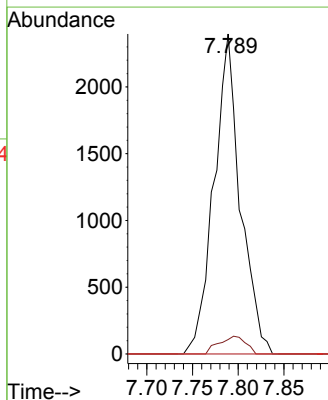
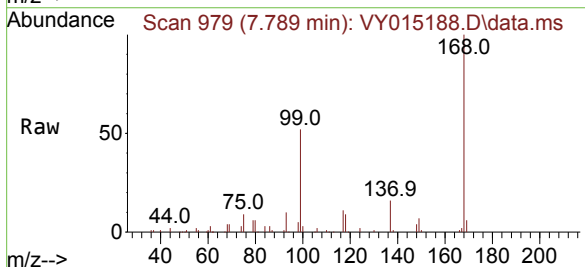
RT: 7.789 min Scan# 979

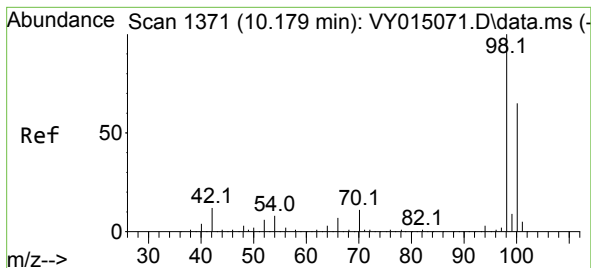
Delta R.T. -0.110 min

Lab File: VY015188.D

Acq: 18 Aug 2023 12:01

Tgt Ion:	117	Resp:	4813
Ion	Ratio	Lower	Upper
117	100		
119	4.5	76.4	114.6#
121	0.0	25.8	38.6#

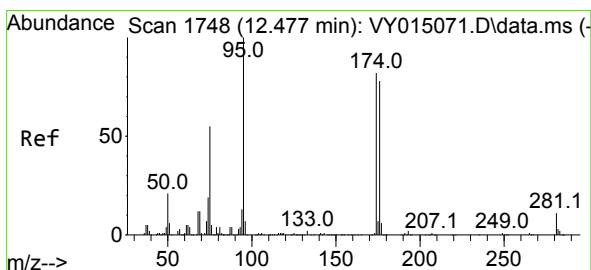
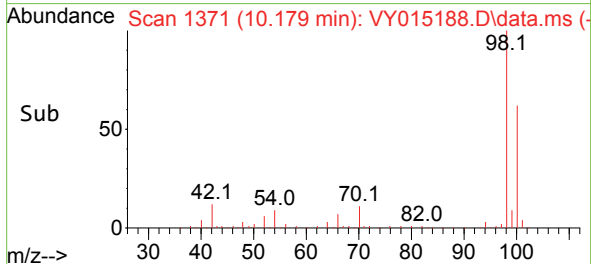
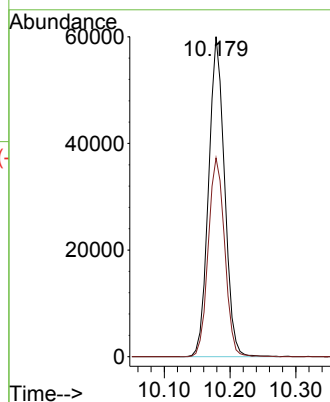
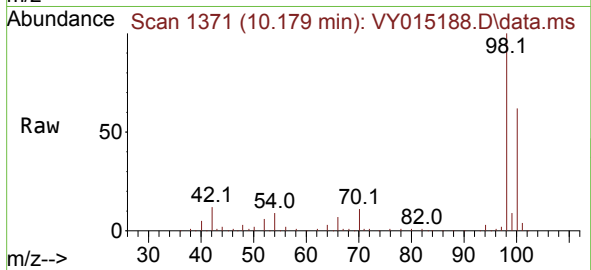




#50
Toluene-d8
Concen: 50.384 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015188.D
Acq: 18 Aug 2023 12:01

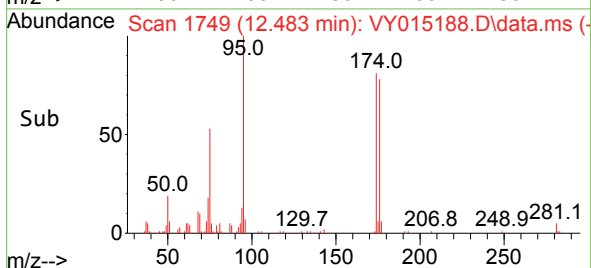
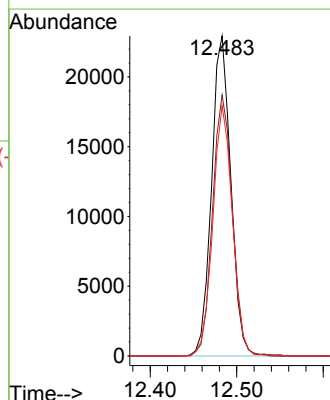
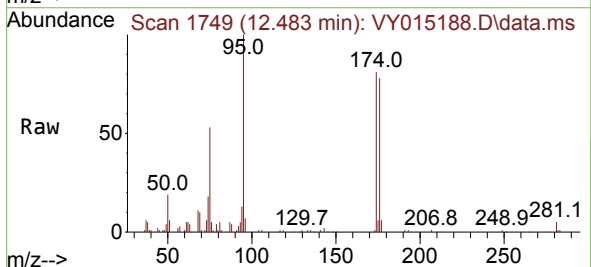
Instrument :
MSVOA_Y
ClientSampleId :

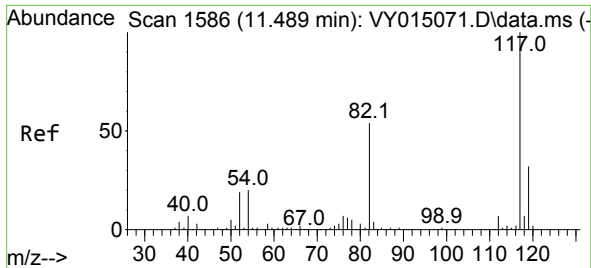
Tgt Ion: 98 Resp: 101208
Ion Ratio Lower Upper
98 100
100 63.8 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 48.352 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015188.D
Acq: 18 Aug 2023 12:01

Tgt Ion: 95 Resp: 35475
Ion Ratio Lower Upper
95 100
174 83.9 0.0 178.2
176 79.5 0.0 173.8

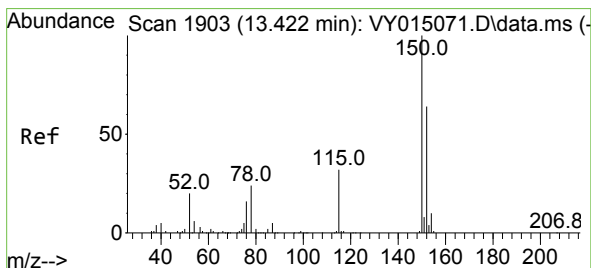
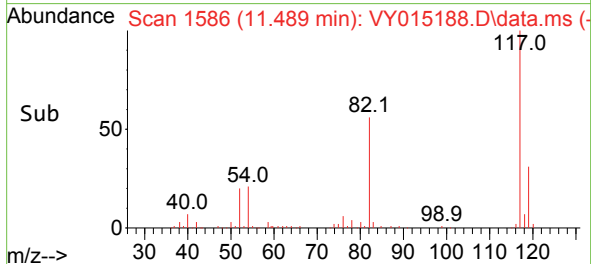
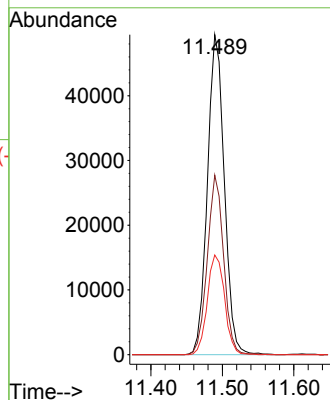
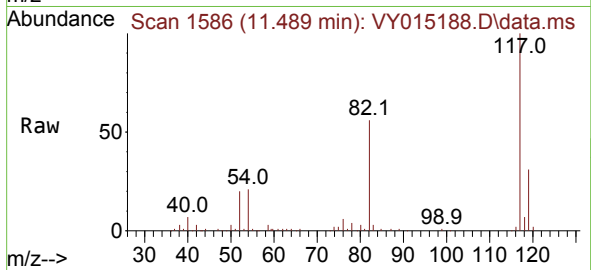




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015188.D
Acq: 18 Aug 2023 12:01

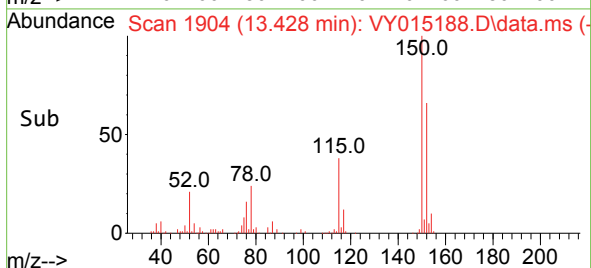
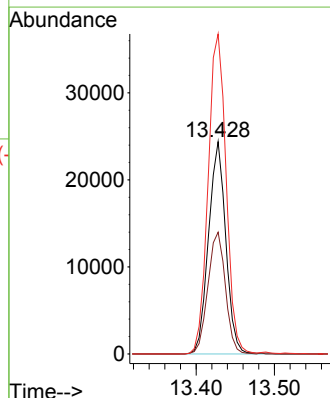
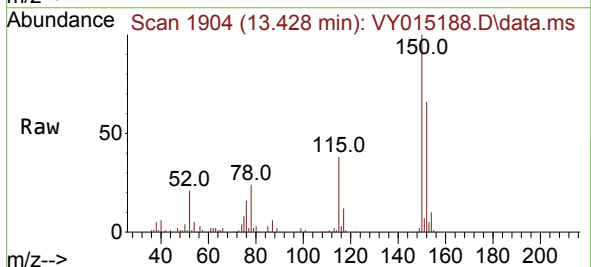
Instrument :
MSVOA_Y
ClientSampleId :

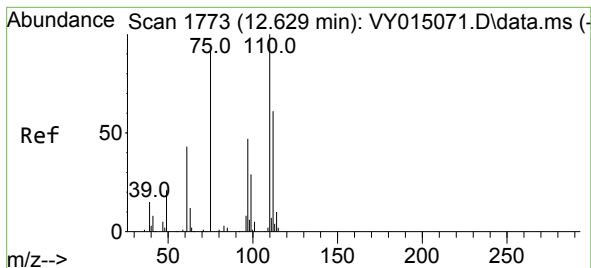
Tgt Ion:117 Resp: 81093
Ion Ratio Lower Upper
117 100
82 56.1 43.4 65.0
119 31.1 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY015188.D
Acq: 18 Aug 2023 12:01

Tgt Ion:152 Resp: 37265
Ion Ratio Lower Upper
152 100
115 58.3 28.8 86.5
150 156.9 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 42.150 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY015188.D

Acq: 18 Aug 2023 12:01

Instrument :

MSVOA_Y

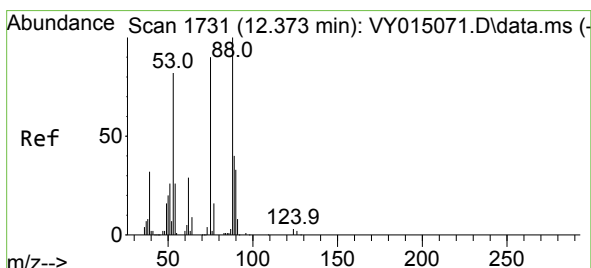
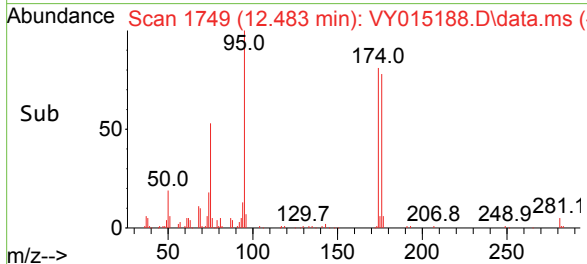
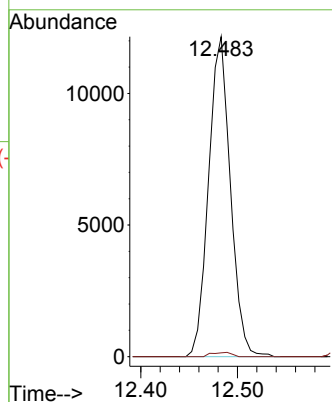
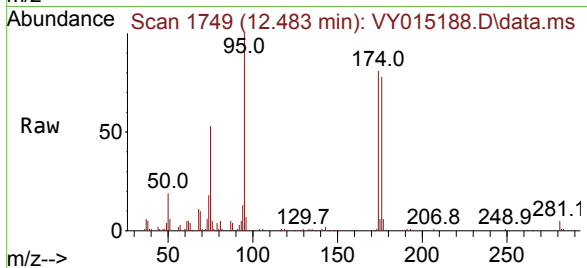
ClientSampleId :

Tgt Ion: 75 Resp: 19083

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 92.581 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.110 min

Lab File: VY015188.D

Acq: 18 Aug 2023 12:01

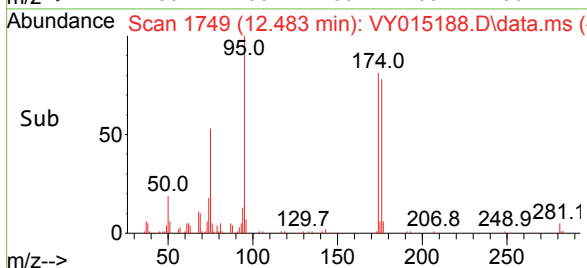
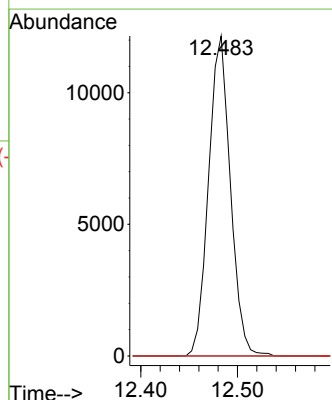
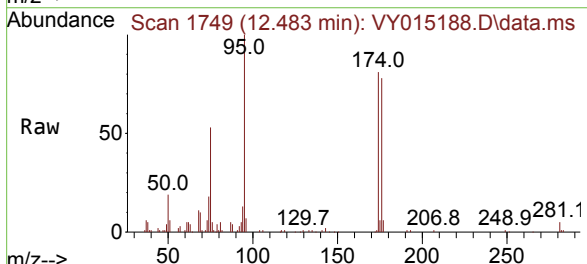
Tgt Ion: 75 Resp: 19083

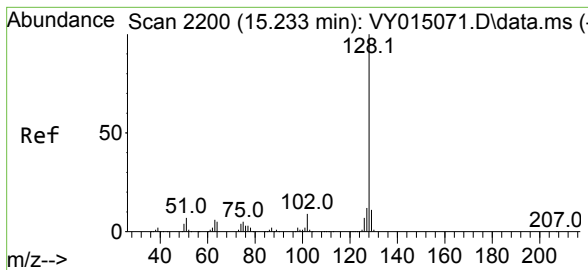
Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

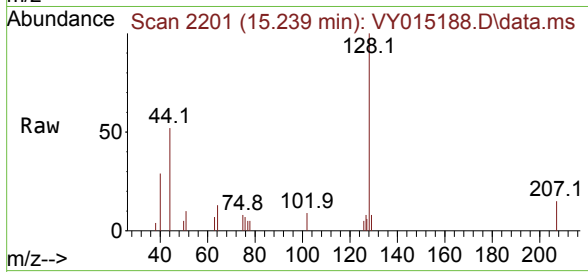
89 0.0 37.4 56.0#





#95
Naphthalene
Concen: 1.260 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY015188.D
Acq: 18 Aug 2023 12:01

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	128	Resp:	2180
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.8	16.2
129	8.7	8.6	13.0

