

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040423\
 Data File : VY013195.D
 Acq On : 04 Apr 2023 17:28
 Operator : KP/MD
 Sample : 02166-01RE
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-01-033123

Quant Time: Apr 05 01:20:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y033023S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 03 13:40:57 2023
 Response via : Initial Calibration

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

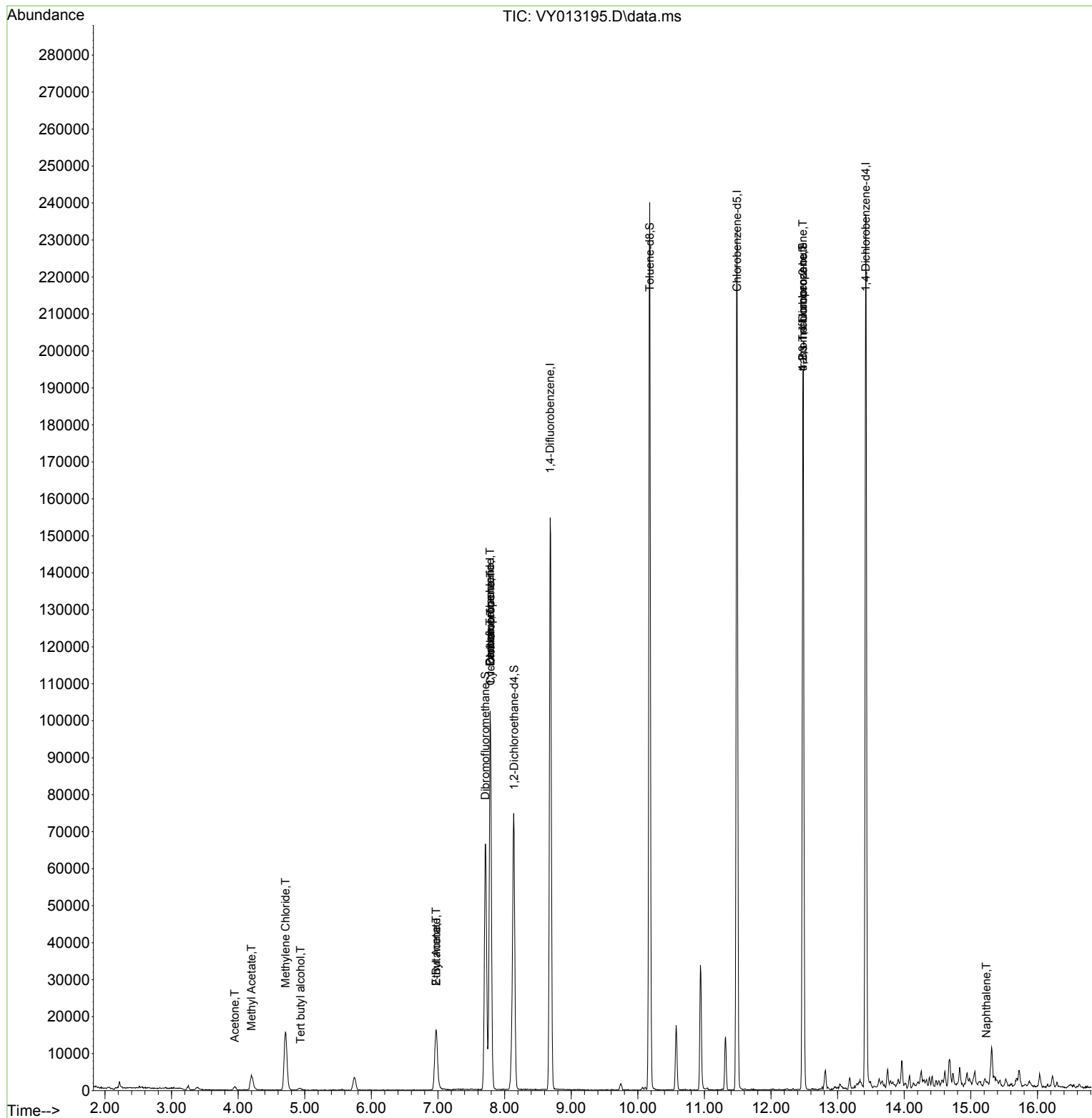
Internal Standards						
1) Pentafluorobenzene	7.783	168	78674	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	130717	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	128502	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	62955	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	53063	62.760	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 125.520%			
35) Dibromofluoromethane	7.710	113	46476	54.426	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.860%			
50) Toluene-d8	10.179	98	156032	48.401	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.800%			
62) 4-Bromofluorobenzene	12.477	95	52436	49.971	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.940%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.936	59	654	8.582	ug/l #	74
16) Acetone	3.948	43	1606	6.212	ug/l	98
18) Methyl Acetate	4.198	43	1554	1.908	ug/l #	54
20) Methylene Chloride	4.710	84	12384	9.528	ug/l	91
25) 2-Butanone	6.972	43	977	3.022	ug/l #	49
31) Cyclohexane	7.789	56	1615	1.170	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	6148	4.782	ug/l #	49
37) Ethyl Acetate	6.972	43	977	1.338	ug/l #	1
38) Carbon Tetrachloride	7.783	117	7891	5.563	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	27600	39.025	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	27600	87.032	ug/l #	13
95) Naphthalene	15.233	128	456	3.414	ug/l #	76

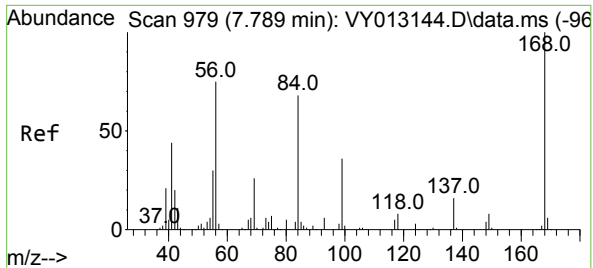
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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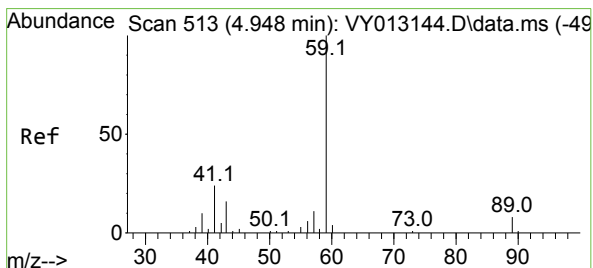
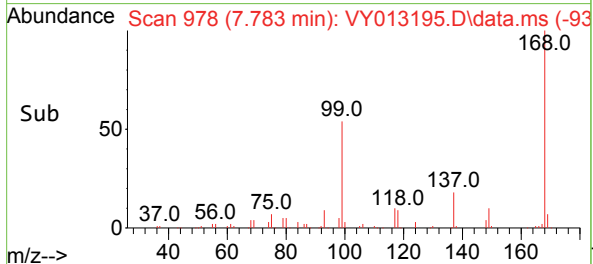
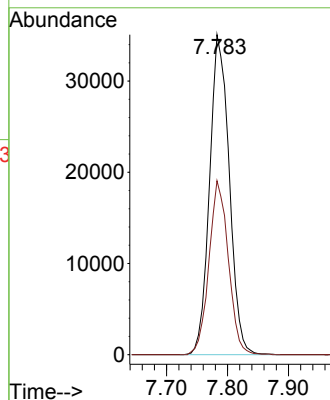
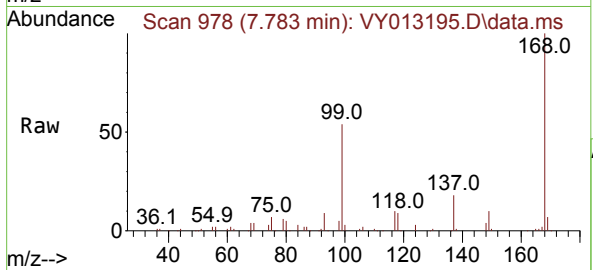




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013195.D
Acq: 04 Apr 2023 17:28

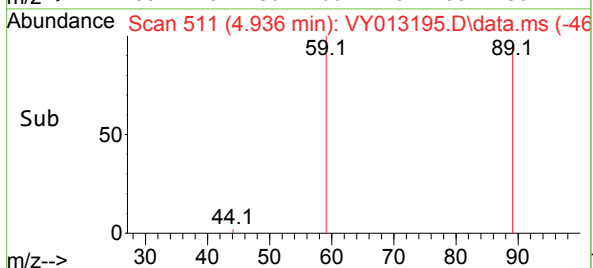
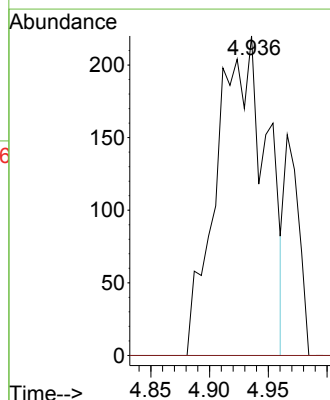
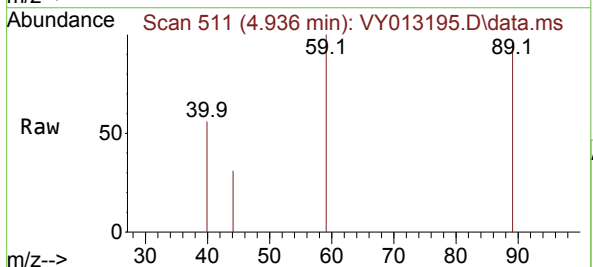
Instrument :
MSVOA_Y
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HR-01-033123

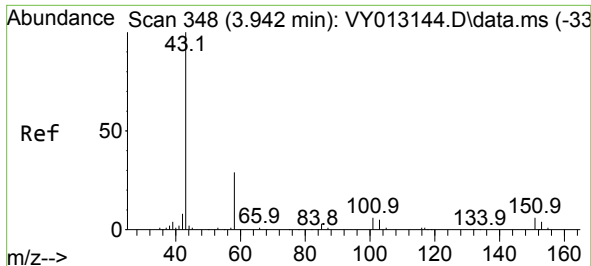
Tgt Ion:168 Resp: 78674
Ion Ratio Lower Upper
168 100
99 54.3 41.7 62.5



#11
Tert butyl alcohol
Concen: 8.582 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY013195.D
Acq: 04 Apr 2023 17:28

Tgt Ion: 59 Resp: 654
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

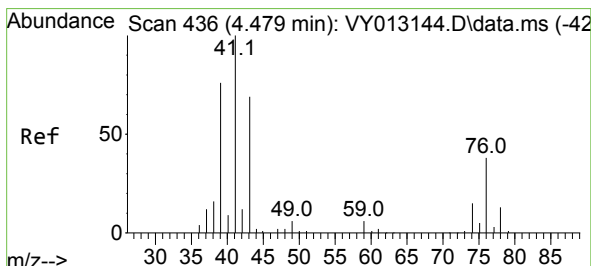
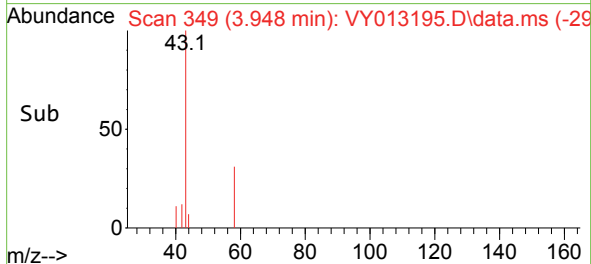
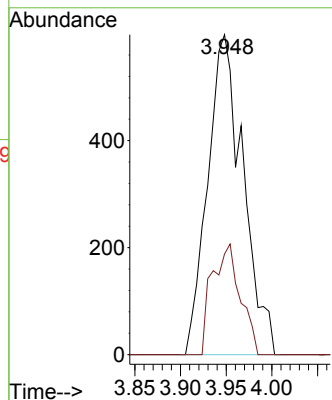
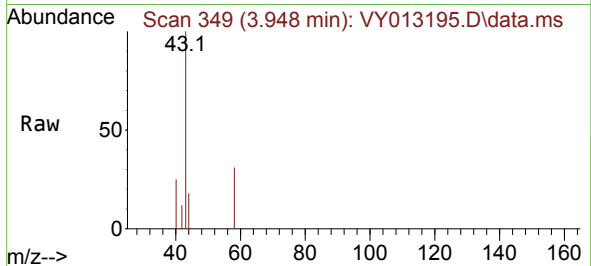




#16
Acetone
Concen: 6.212 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY013195.D
Acq: 04 Apr 2023 17:28

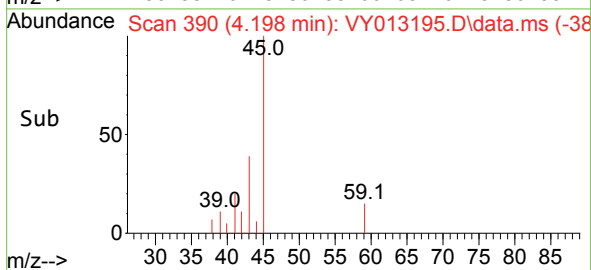
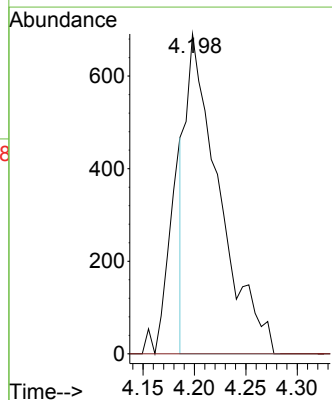
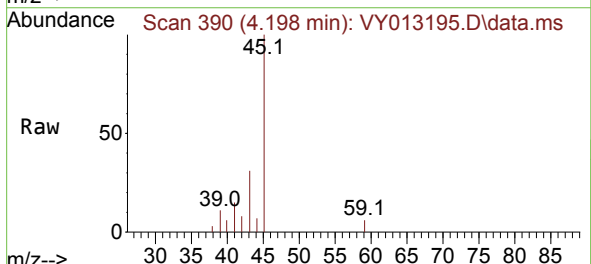
Instrument :
MSVOA_Y
ClientSampleId :
HR-01-033123

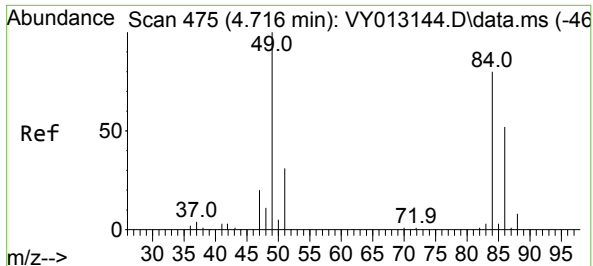
Tgt Ion: 43 Resp: 1606
Ion Ratio Lower Upper
43 100
58 31.4 24.2 36.2



#18
Methyl Acetate
Concen: 1.908 ug/l
RT: 4.198 min Scan# 390
Delta R.T. -0.281 min
Lab File: VY013195.D
Acq: 04 Apr 2023 17:28

Tgt Ion: 43 Resp: 1554
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#

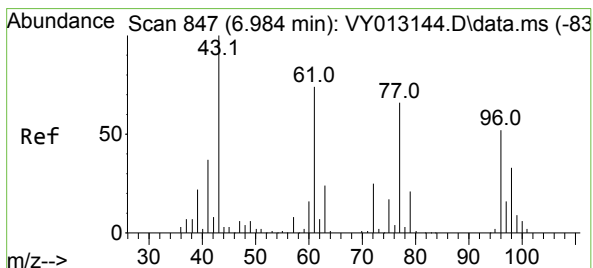
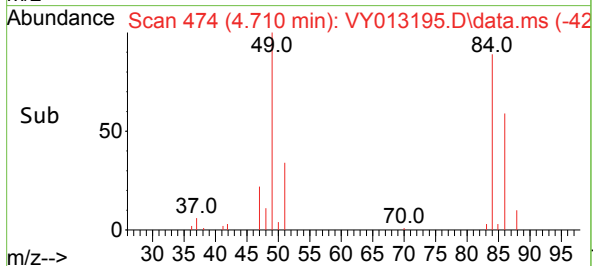
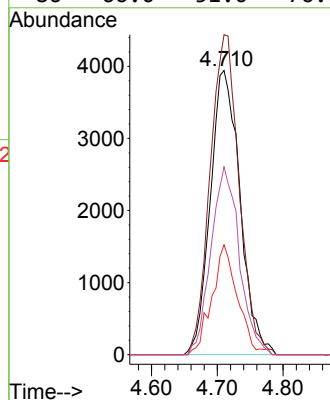
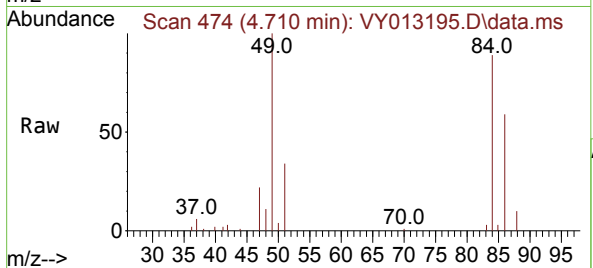




#20
Methylene Chloride
Concen: 9.528 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY013195.D
Acq: 04 Apr 2023 17:28

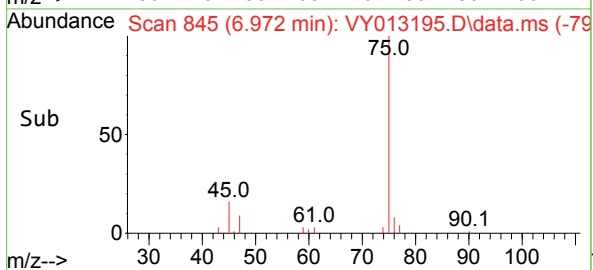
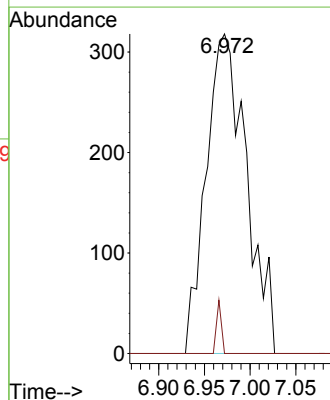
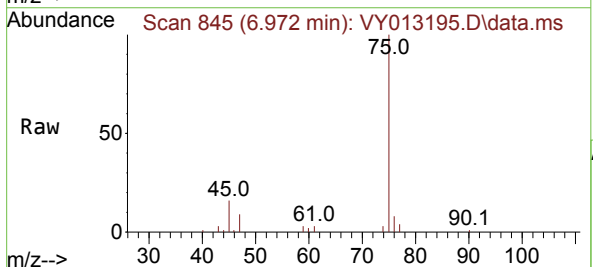
Instrument :
MSVOA_Y
ClientSampleId :
HR-01-033123

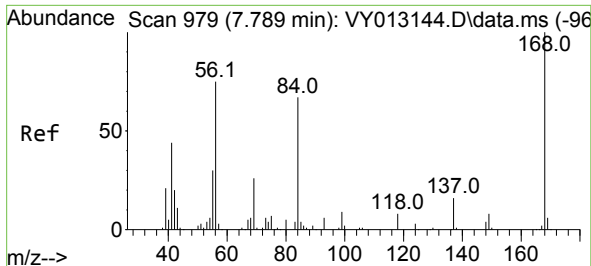
Tgt Ion:	84	Resp:	12384
Ion	Ratio	Lower	Upper
84	100		
49	112.6	102.6	154.0
51	38.7	31.9	47.9
86	66.0	51.0	76.6



#25
2-Butanone
Concen: 3.022 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.012 min
Lab File: VY013195.D
Acq: 04 Apr 2023 17:28

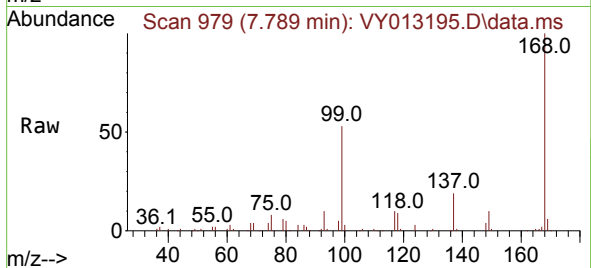
Tgt Ion:	43	Resp:	977
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.0	31.4#



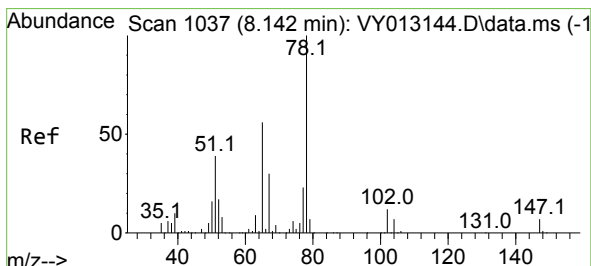
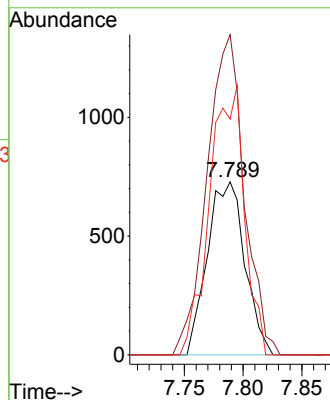
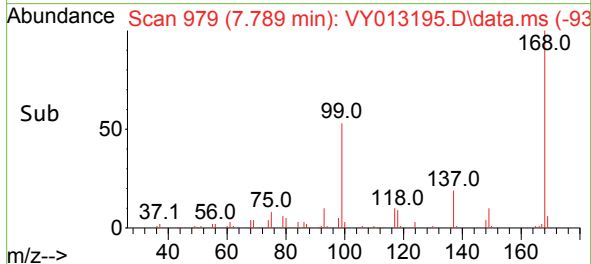


#31
Cyclohexane
Concen: 1.170 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013195.D
Acq: 04 Apr 2023 17:28

Instrument :
MSVOA_Y
ClientSampleId :
HR-01-033123

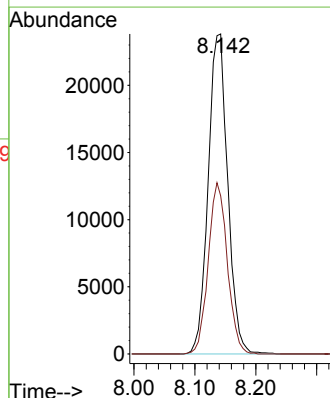
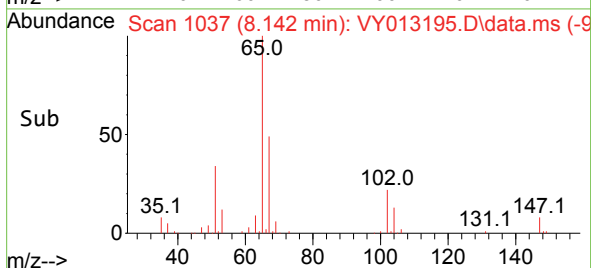
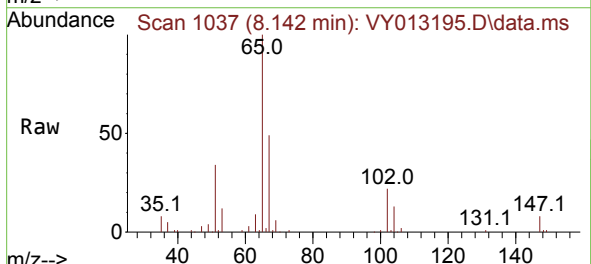


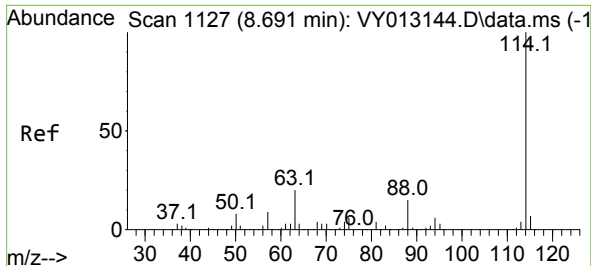
Tgt Ion: 56 Resp: 1615
Ion Ratio Lower Upper
56 100
69 185.2 25.7 38.5#
84 136.4 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 62.760 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY013195.D
Acq: 04 Apr 2023 17:28

Tgt Ion: 65 Resp: 53063
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013195.D

Acq: 04 Apr 2023 17:28

Instrument :

MSVOA_Y

ClientSampleId :

HR-01-033123

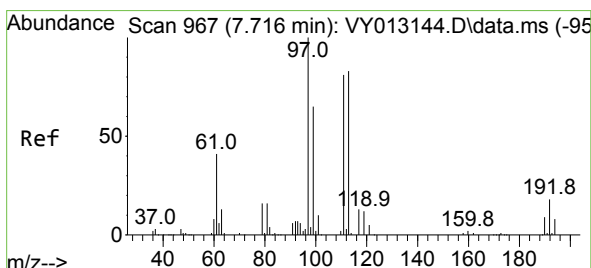
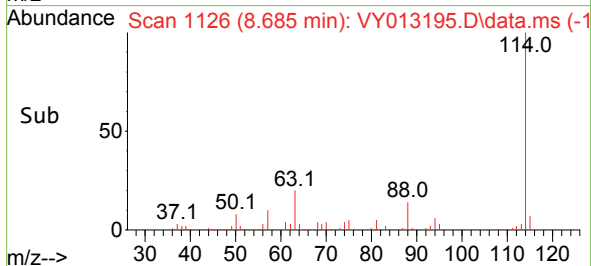
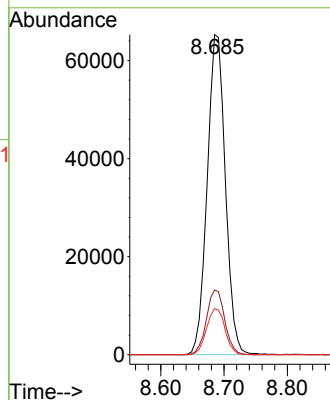
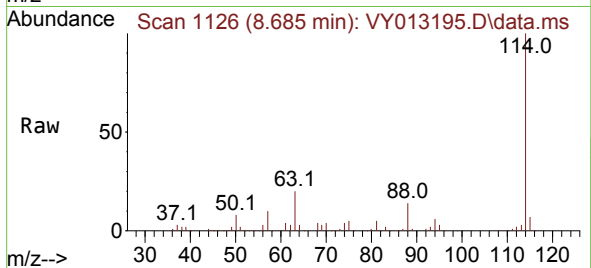
Tgt Ion:114 Resp: 130717

Ion Ratio Lower Upper

114 100

63 20.2 0.0 37.4

88 14.4 0.0 28.6



#35

Dibromofluoromethane

Concen: 54.426 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY013195.D

Acq: 04 Apr 2023 17:28

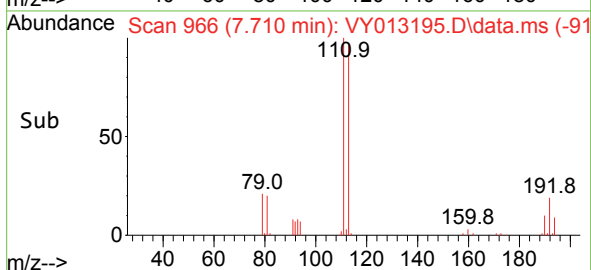
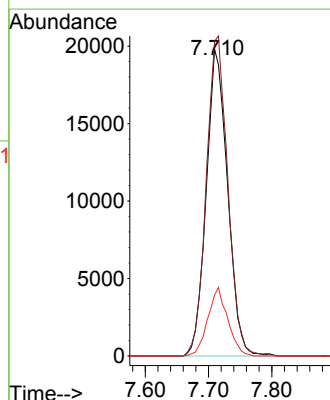
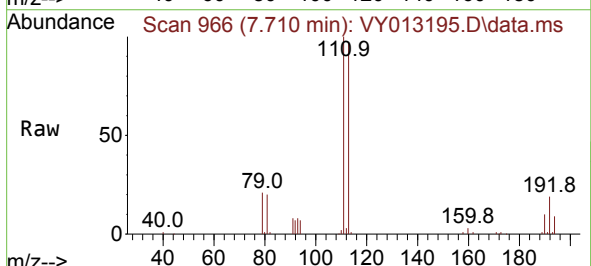
Tgt Ion:113 Resp: 46476

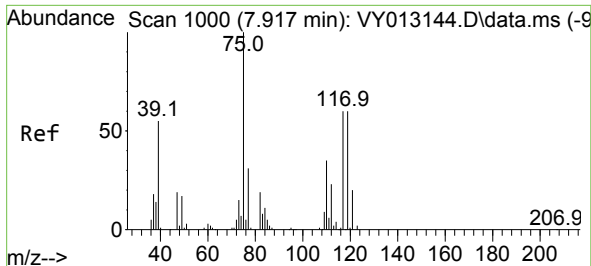
Ion Ratio Lower Upper

113 100

111 105.2 82.2 123.2

192 20.9 16.8 25.2

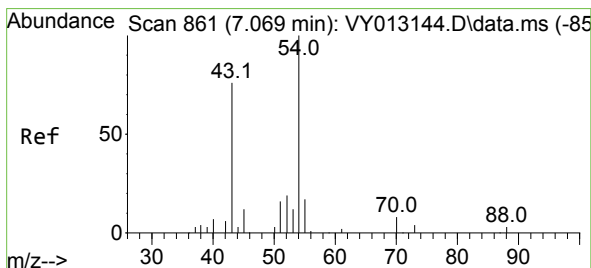
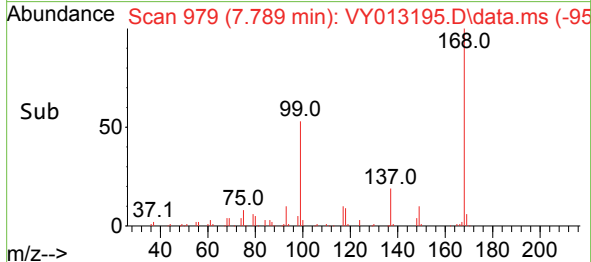
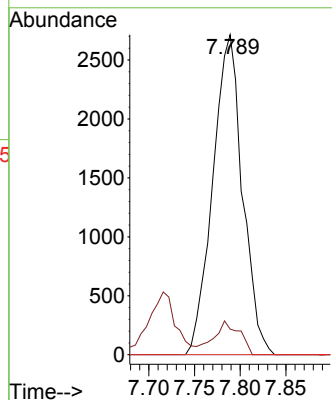
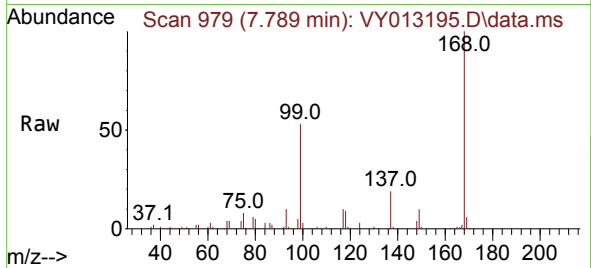




#36
 1,1-Dichloropropene
 Concen: 4.782 ug/l
 RT: 7.789 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY013195.D
 Acq: 04 Apr 2023 17:28

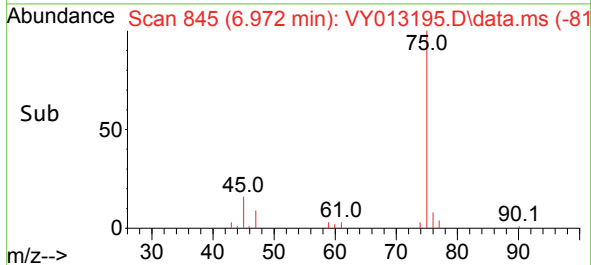
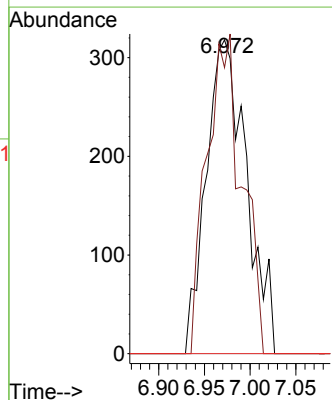
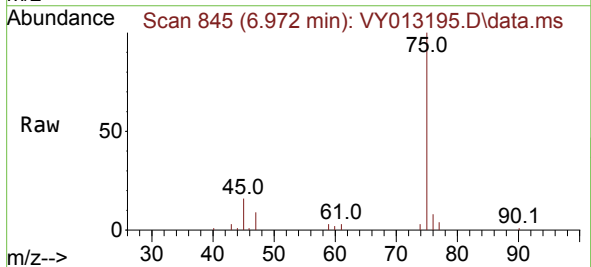
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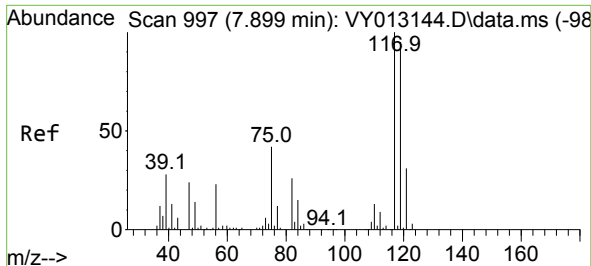
Tgt Ion: 75 Resp: 6148
 Ion Ratio Lower Upper
 75 100
 110 9.1 17.8 53.3#
 77 0.0 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 1.338 ug/l
 RT: 6.972 min Scan# 845
 Delta R.T. -0.097 min
 Lab File: VY013195.D
 Acq: 04 Apr 2023 17:28

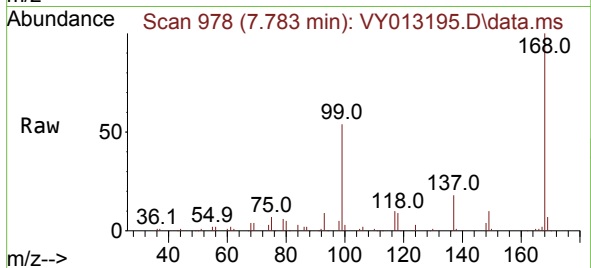
Tgt Ion: 43 Resp: 977
 Ion Ratio Lower Upper
 43 100
 61 89.2 10.7 16.1#
 70 0.0 7.8 11.8#



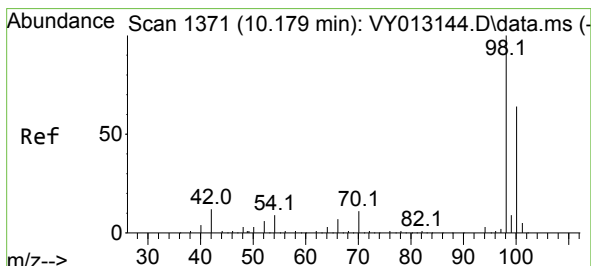
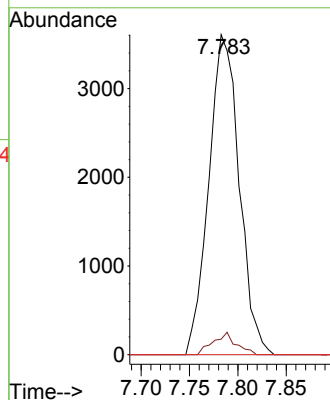
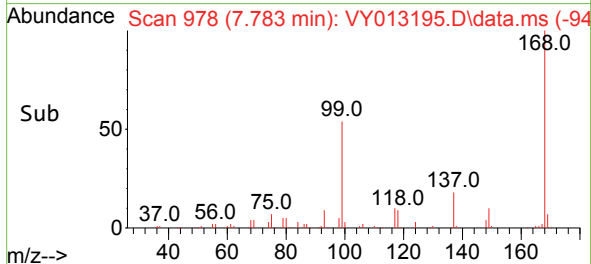


#38
Carbon Tetrachloride
Concen: 5.563 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013195.D
Acq: 04 Apr 2023 17:28

Instrument :
MSVOA_Y
ClientSampleId :
HR-01-033123

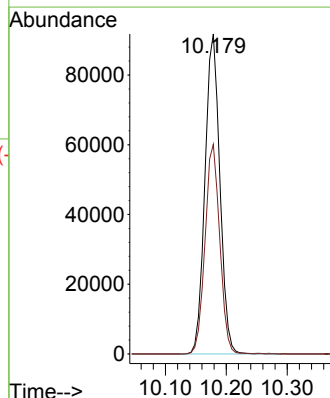
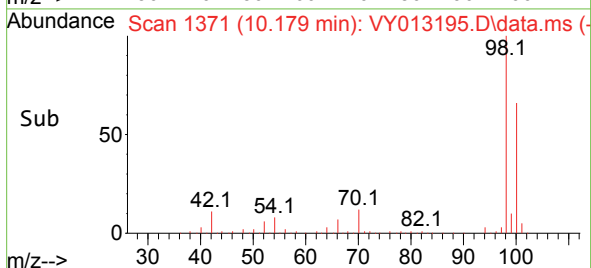
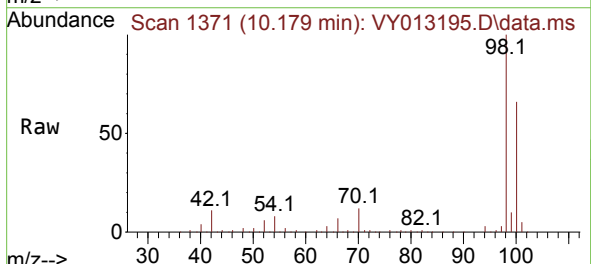


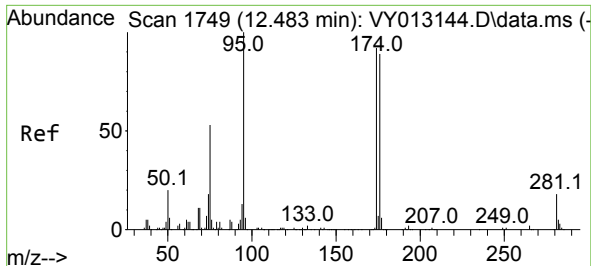
Tgt Ion:117 Resp: 7891
Ion Ratio Lower Upper
117 100
119 4.9 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 48.401 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013195.D
Acq: 04 Apr 2023 17:28

Tgt Ion: 98 Resp: 156032
Ion Ratio Lower Upper
98 100
100 64.6 50.9 76.3

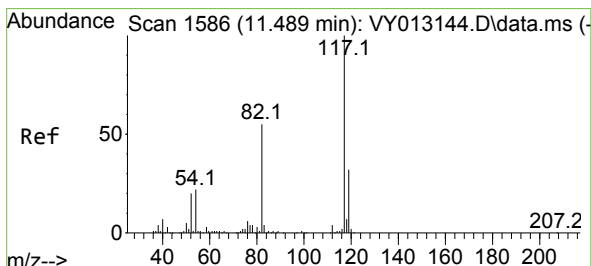
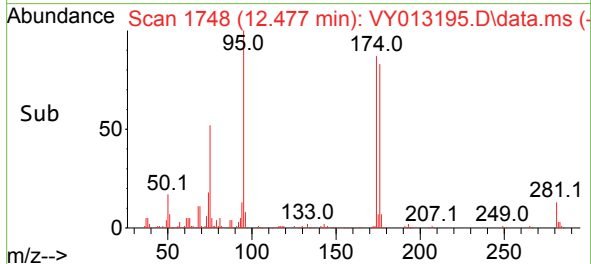
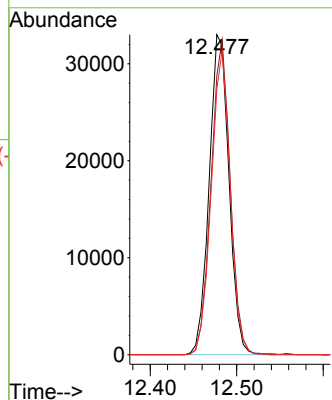
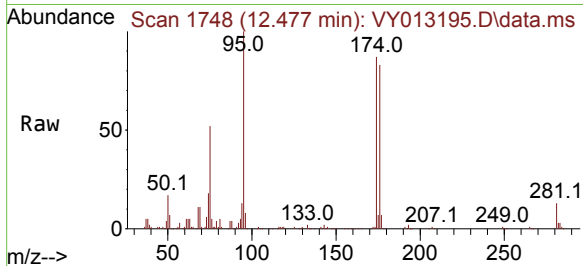




#62
4-Bromofluorobenzene
Concen: 49.971 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY013195.D
Acq: 04 Apr 2023 17:28

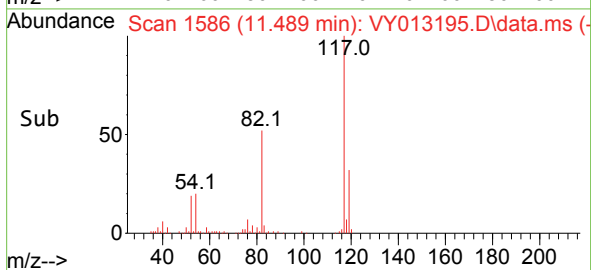
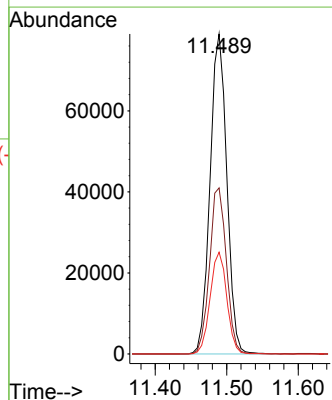
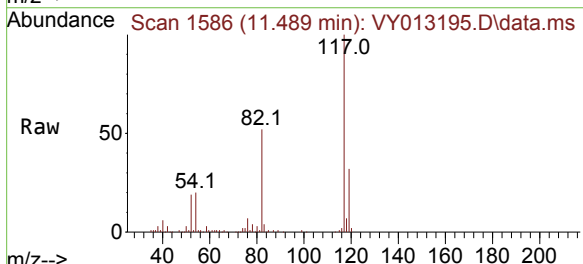
Instrument :
MSVOA_Y
ClientSampleId :
HR-01-033123

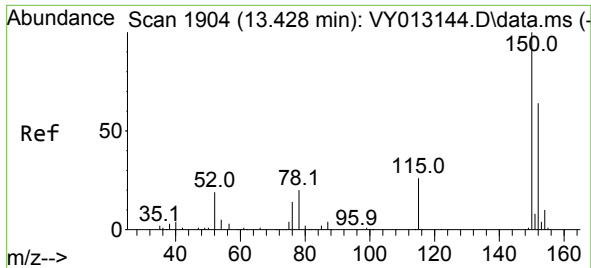
Tgt Ion:	95	Resp:	52436
Ion	Ratio	Lower	Upper
95	100		
174	95.2	0.0	176.6
176	91.3	0.0	170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013195.D
Acq: 04 Apr 2023 17:28

Tgt Ion:	117	Resp:	128502
Ion	Ratio	Lower	Upper
117	100		
82	51.9	45.4	68.0
119	31.8	25.6	38.4

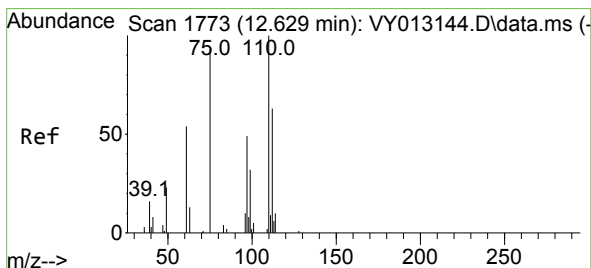
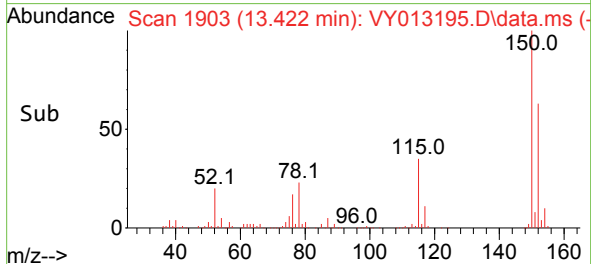
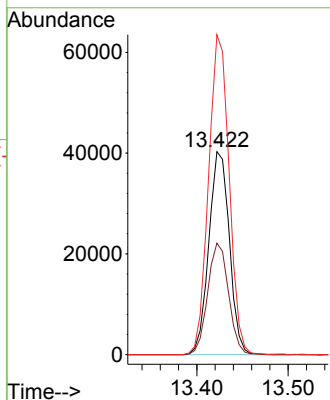
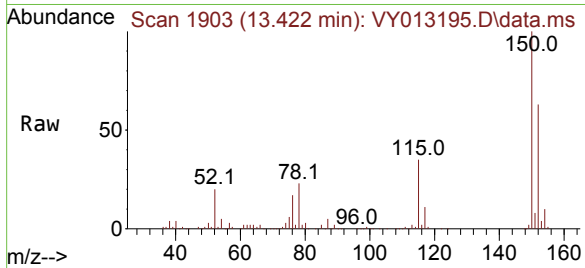




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1904
 Delta R.T. -0.006 min
 Lab File: VY013195.D
 Acq: 04 Apr 2023 17:28

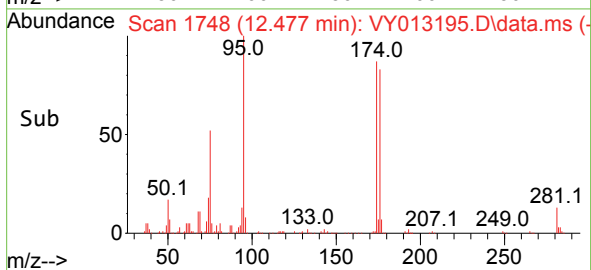
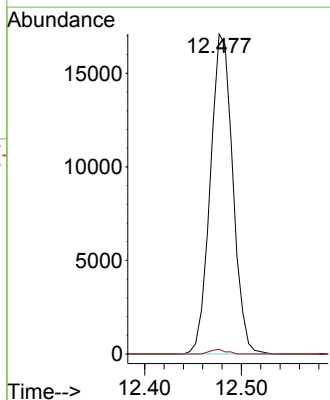
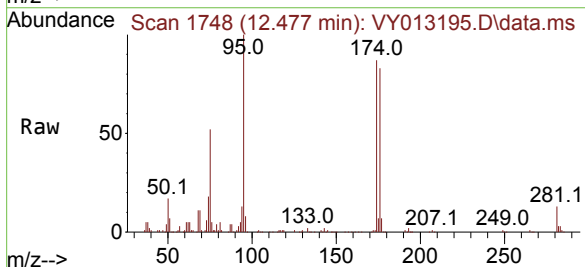
Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-01-033123

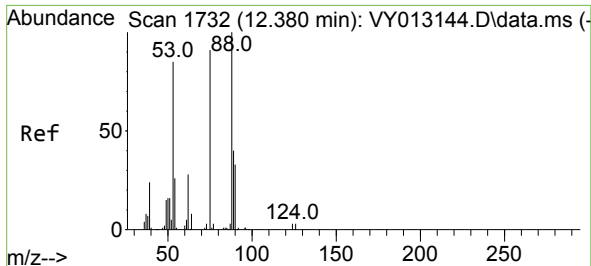
Tgt Ion:152 Resp: 62955
 Ion Ratio Lower Upper
 152 100
 115 55.6 27.1 81.3
 150 157.5 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 39.025 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY013195.D
 Acq: 04 Apr 2023 17:28

Tgt Ion: 75 Resp: 27600
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#

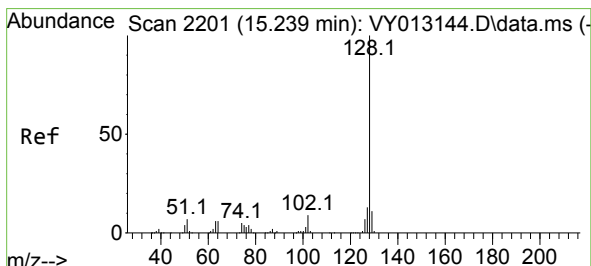
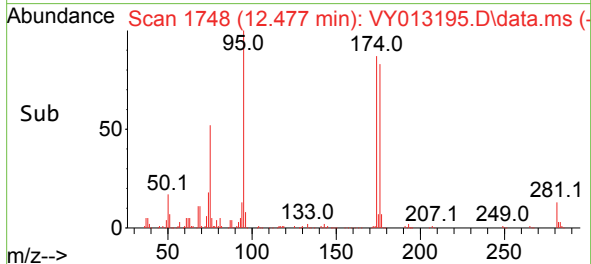
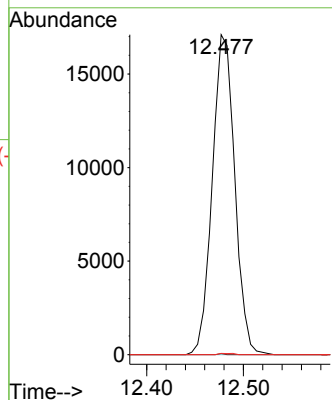
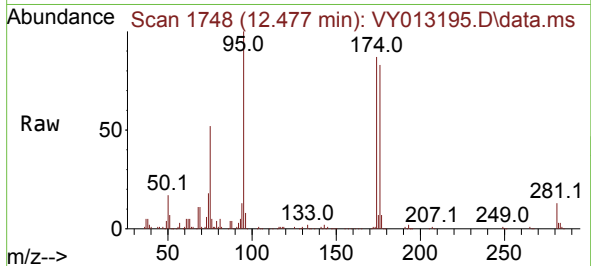




#81
trans-1,4-Dichloro-2-butene
Concen: 87.032 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY013195.D
Acq: 04 Apr 2023 17:28

Instrument :
MSVOA_Y
ClientSampleId :
HR-01-033123

Tgt Ion: 75 Resp: 27600
Ion Ratio Lower Upper
75 100
53 0.1 73.4 110.0#
89 0.3 36.6 55.0#



#95
Naphthalene
Concen: 3.414 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY013195.D
Acq: 04 Apr 2023 17:28

Tgt Ion:128 Resp: 456
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 5.9 8.6 13.0#

