

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072622\
 Data File : VY009708.D
 Acq On : 26 Jul 2022 18:19
 Operator : KP/MD
 Sample : N3854-01
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-189E

Quant Time: Jul 27 04:27:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y072622S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 27 04:24:58 2022
 Response via : Initial Calibration

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

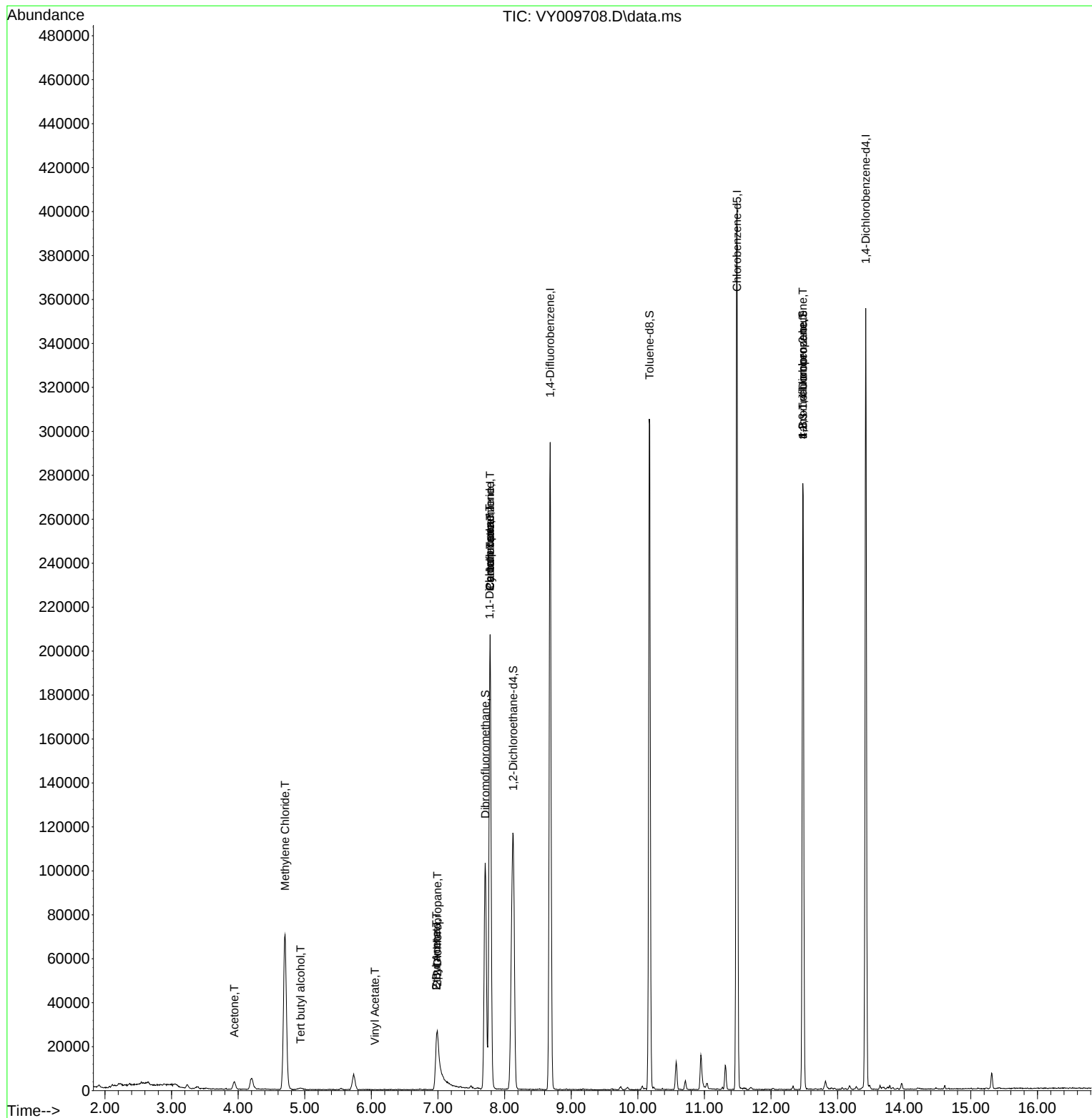
Internal Standards						
1) Pentafluorobenzene	7.783	168	168409	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	261335	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	227573	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	94010	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	64673	58.582	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.160%
35) Dibromofluoromethane	7.710	113	73614	51.792	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.580%
50) Toluene-d8	10.179	98	204114	49.246	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	98.500%
62) 4-Bromofluorobenzene	12.477	95	81031	42.995	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	86.000%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	1555	8.599	ug/l #	77
16) Acetone	3.942	43	6127	15.216	ug/l #	78
18) Methyl Acetate	4.466	43	111	Below Cal	#	56
20) Methylene Chloride	4.704	84	55454	23.570	ug/l #	81
23) Vinyl Acetate	6.051	43	59	7.491	ug/l #	75
25) 2-Butanone	6.978	43	2539	4.274	ug/l #	72
26) 2,2-Dichloropropane	6.990	77	2826	1.065	ug/l #	55
31) Cyclohexane	7.783	56	3079	1.149	ug/l #	1
36) 1,1-Dichloropropene	7.777	75	11750	5.081	ug/l #	51
37) Ethyl Acetate	6.978	43	2539	1.852	ug/l #	4
38) Carbon Tetrachloride	7.783	117	15455	6.236	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	41577	47.614	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	41577	94.908	ug/l #	7

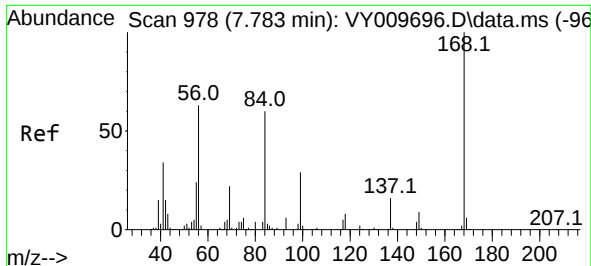
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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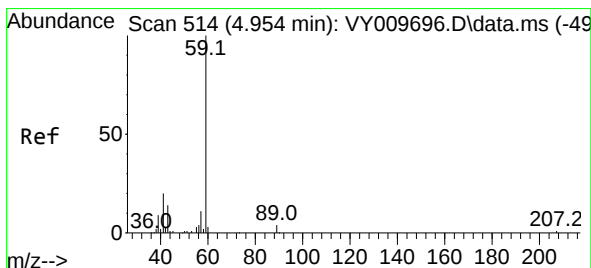
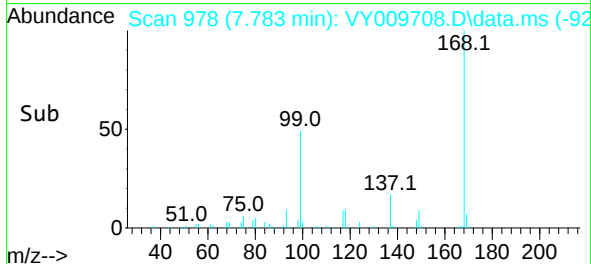
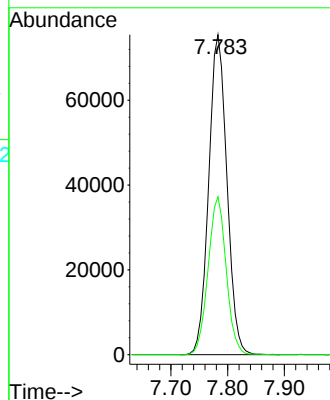
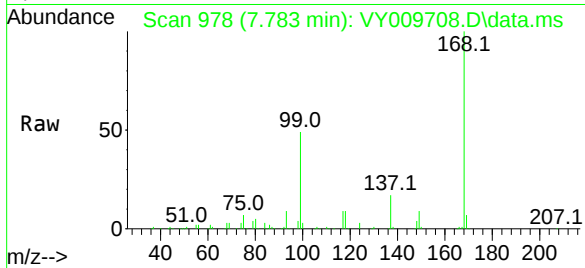




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009708.D
Acq: 26 Jul 2022 18:19

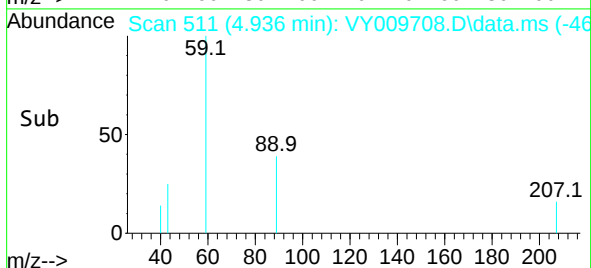
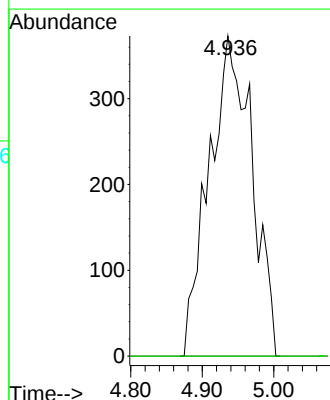
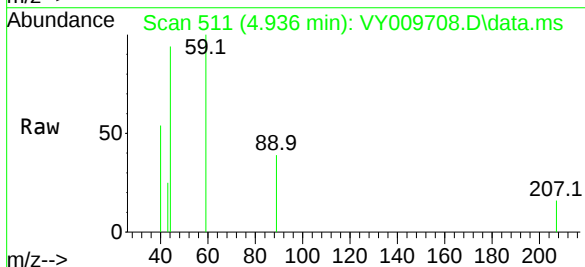
Instrument :
MSVOA_Y
ClientSampleId :
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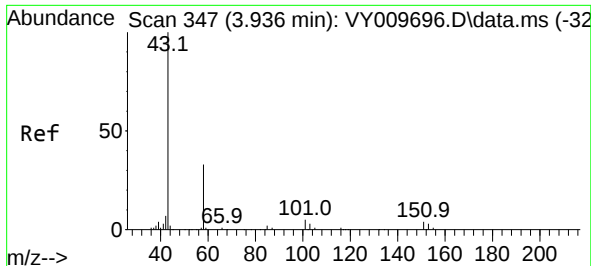
Tgt Ion:168 Resp: 168409
Ion Ratio Lower Upper
168 100
99 49.4 46.9 70.3



#11
Tert butyl alcohol
Concen: 8.599 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.018 min
Lab File: VY009708.D
Acq: 26 Jul 2022 18:19

Tgt Ion: 59 Resp: 1555
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

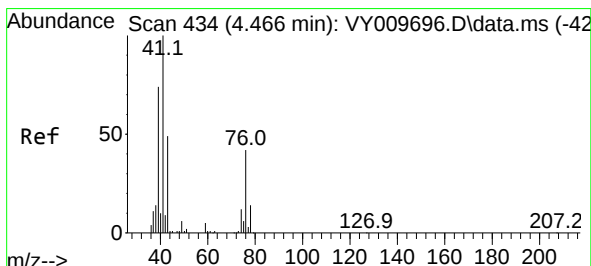
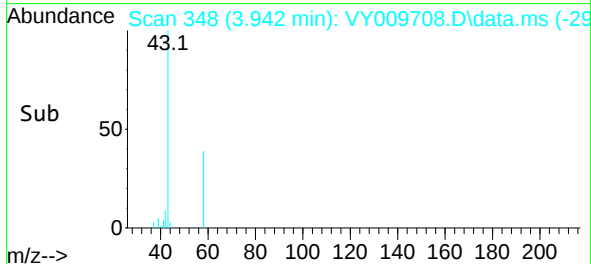
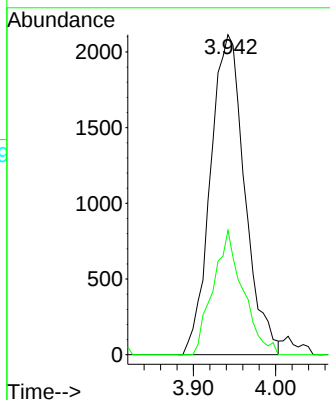
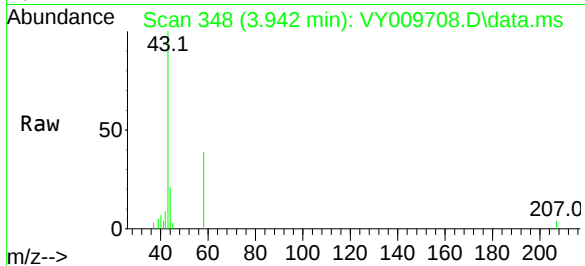




#16
Acetone
Concen: 15.216 ug/l
RT: 3.942 min Scan# 347
Delta R.T. 0.006 min
Lab File: VY009708.D
Acq: 26 Jul 2022 18:19

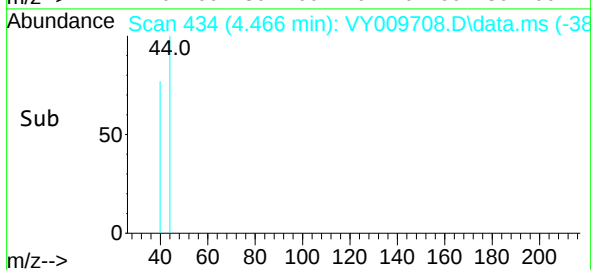
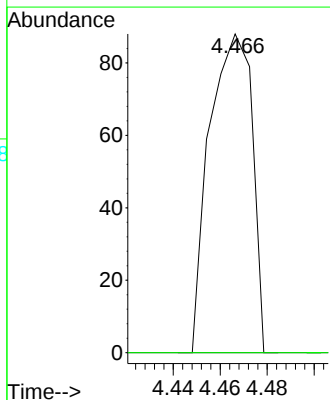
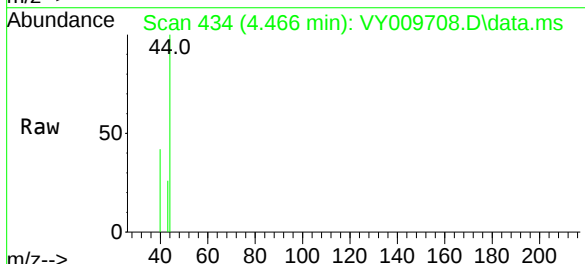
Instrument :
MSVOA_Y
ClientSampleId :
MH-189E

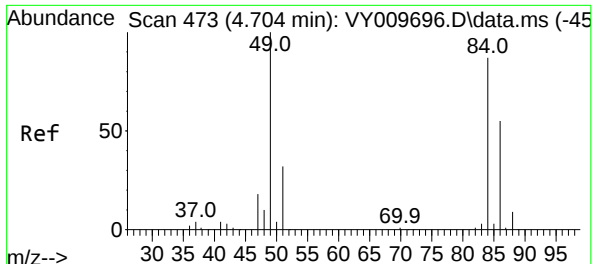
Tgt Ion: 43 Resp: 6127
Ion Ratio Lower Upper
43 100
58 38.9 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.466 min Scan# 434
Delta R.T. 0.000 min
Lab File: VY009708.D
Acq: 26 Jul 2022 18:19

Tgt Ion: 43 Resp: 111
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

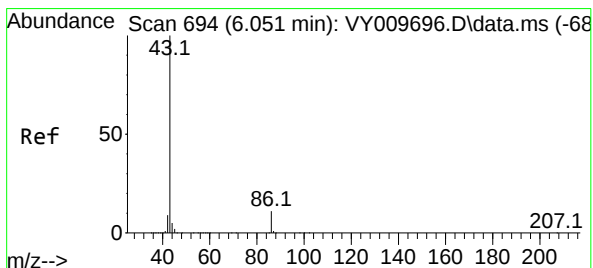
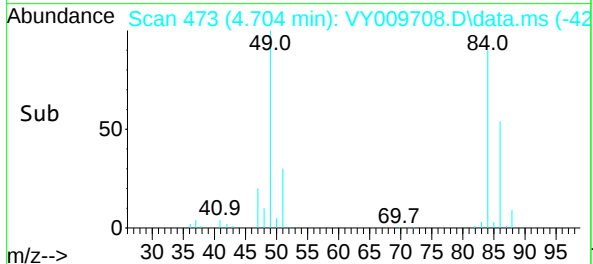
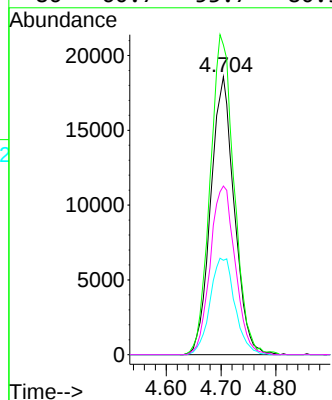
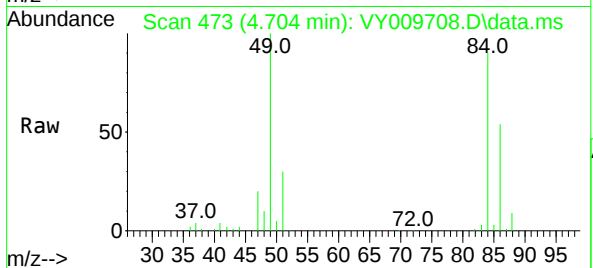




#20
Methylene Chloride
Concen: 23.570 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY009708.D
Acq: 26 Jul 2022 18:19

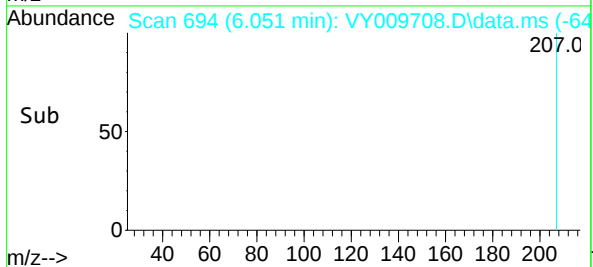
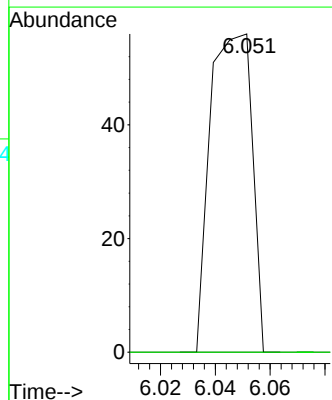
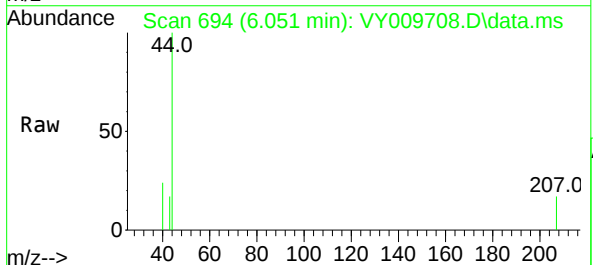
Instrument :
MSVOA_Y
ClientSampleId :
MH-189E

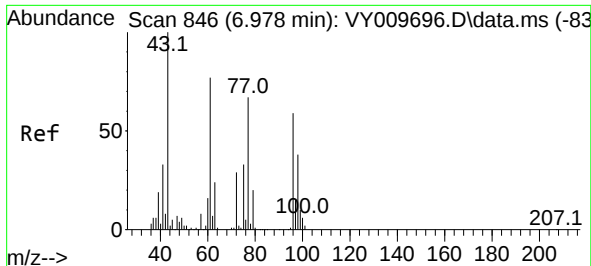
Tgt Ion:	84	Resp:	55454
Ion	Ratio	Lower	Upper
84	100		
49	111.5	114.4	171.6#
51	34.0	35.3	52.9#
86	60.7	53.7	80.5



#23
Vinyl Acetate
Concen: 7.491 ug/l
RT: 6.051 min Scan# 694
Delta R.T. 0.000 min
Lab File: VY009708.D
Acq: 26 Jul 2022 18:19

Tgt Ion:	43	Resp:	59
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.1	10.7#

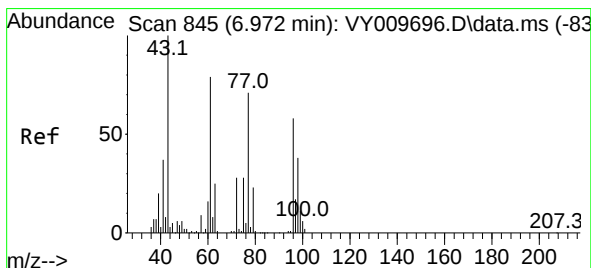
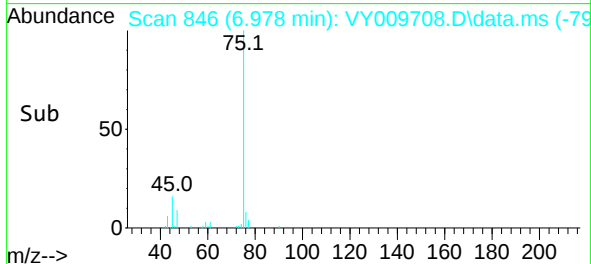
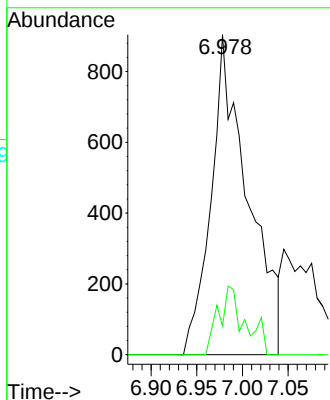
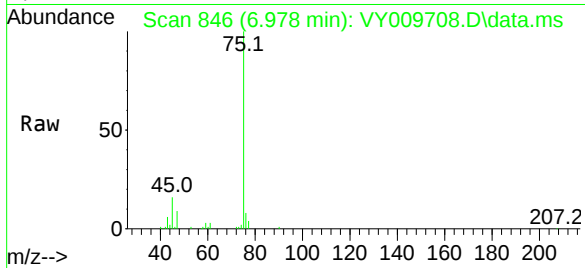




#25
2-Butanone
Concen: 4.274 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY009708.D
Acq: 26 Jul 2022 18:19

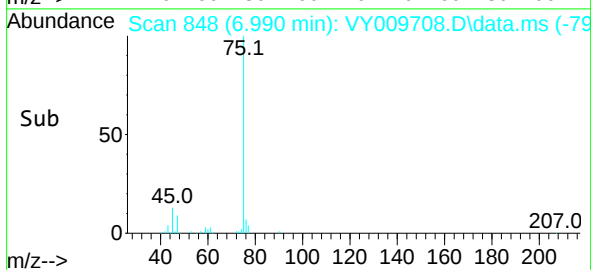
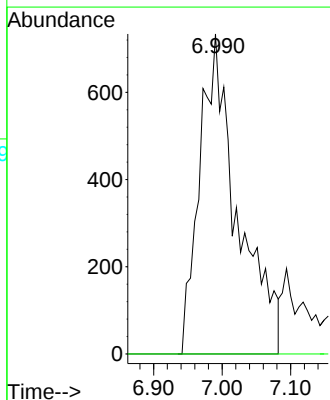
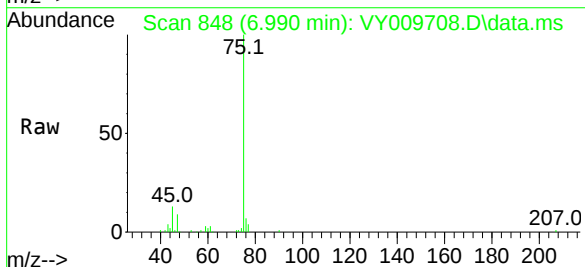
Instrument :
MSVOA_Y
ClientSampleId :
MH-189E

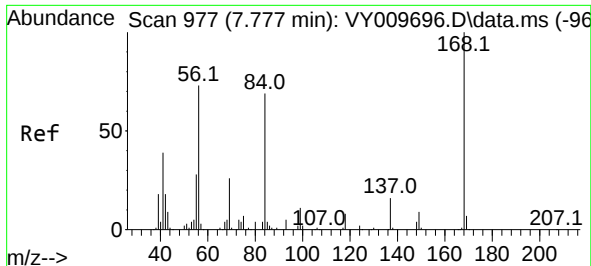
Tgt Ion: 43 Resp: 2539
Ion Ratio Lower Upper
43 100
72 9.0 17.7 26.5#



#26
2,2-Dichloropropane
Concen: 1.065 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.018 min
Lab File: VY009708.D
Acq: 26 Jul 2022 18:19

Tgt Ion: 77 Resp: 2826
Ion Ratio Lower Upper
77 100
97 0.0 10.4 31.4#

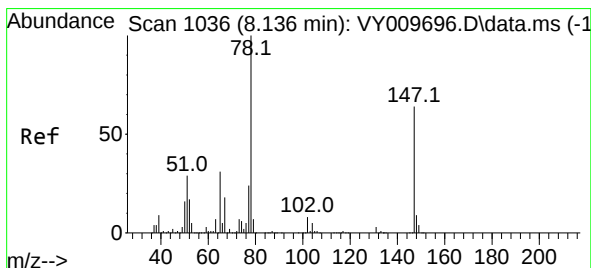
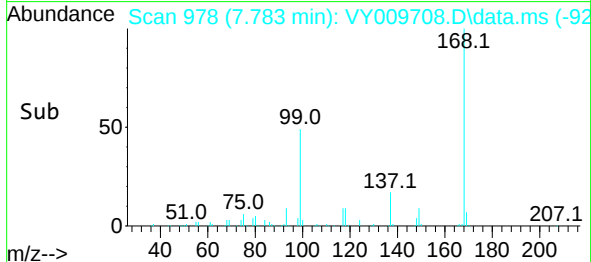
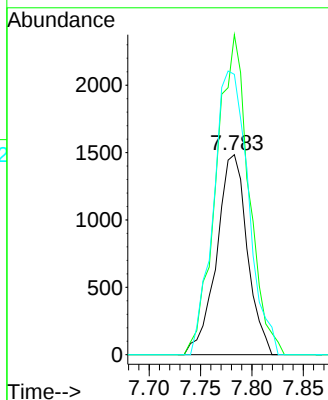
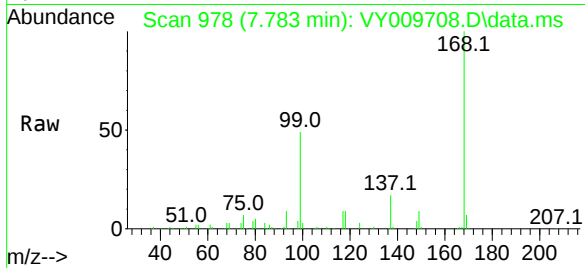




#31
Cyclohexane
Concen: 1.149 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY009708.D
Acq: 26 Jul 2022 18:19

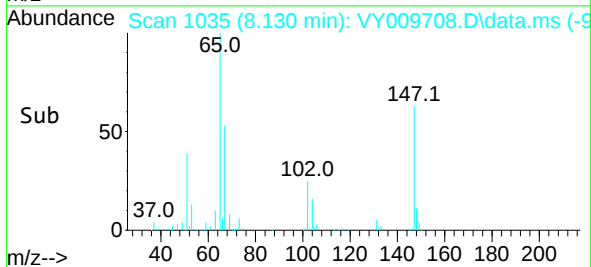
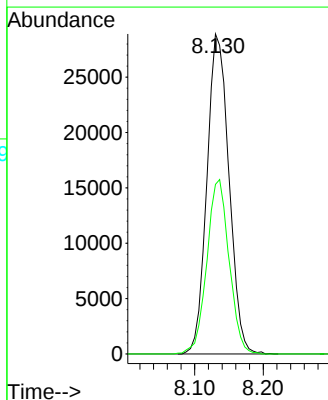
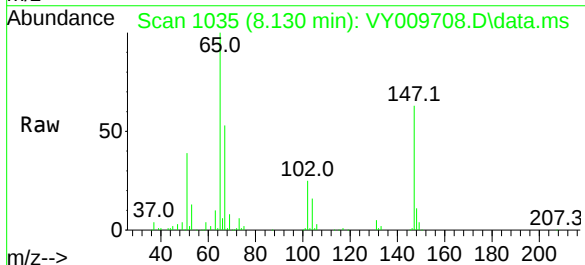
Instrument :
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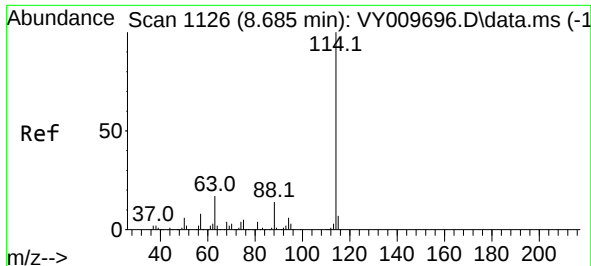
Tgt Ion: 56 Resp: 3079
Ion Ratio Lower Upper
56 100
69 159.9 26.7 40.1#
84 140.1 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 58.582 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.006 min
Lab File: VY009708.D
Acq: 26 Jul 2022 18:19

Tgt Ion: 65 Resp: 64673
Ion Ratio Lower Upper
65 100
67 55.0 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY009708.D

Acq: 26 Jul 2022 18:19

Instrument :

MSVOA_Y

ClientSampleId :

MH-189E

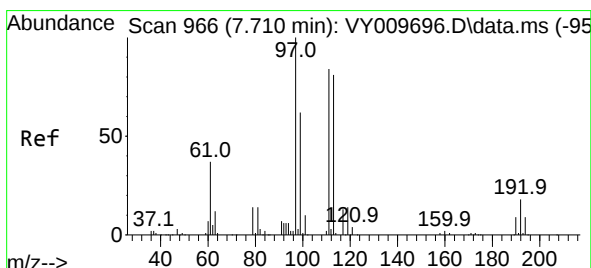
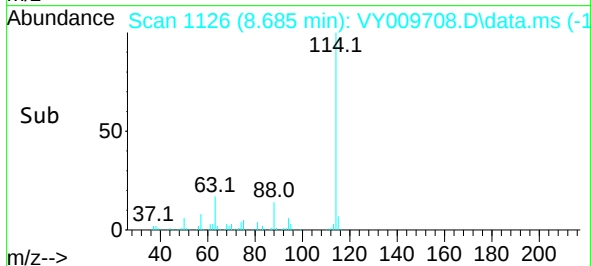
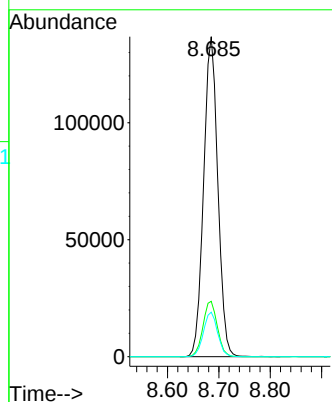
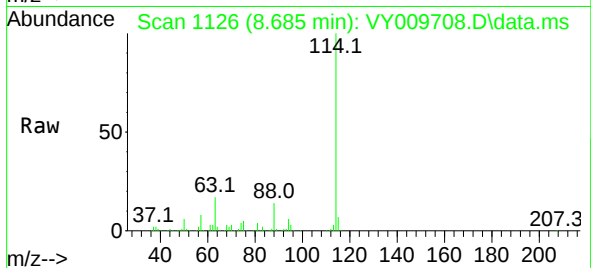
Tgt Ion:114 Resp: 261335

Ion Ratio Lower Upper

114 100

63 17.3 0.0 43.2

88 13.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 51.792 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009708.D

Acq: 26 Jul 2022 18:19

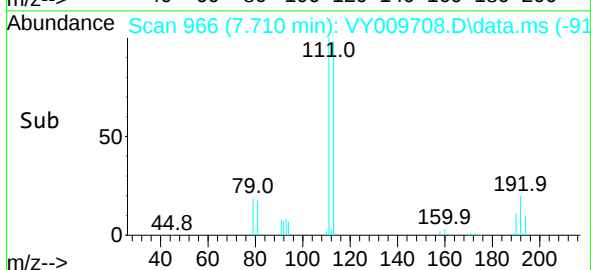
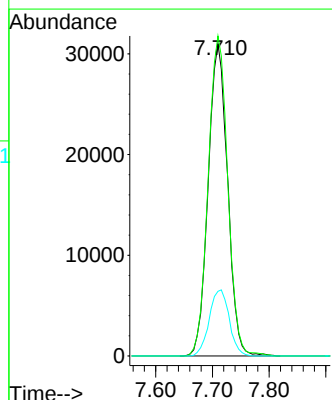
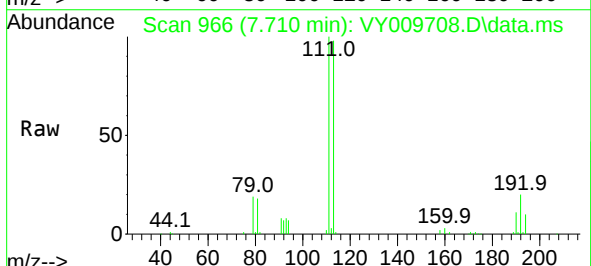
Tgt Ion:113 Resp: 73614

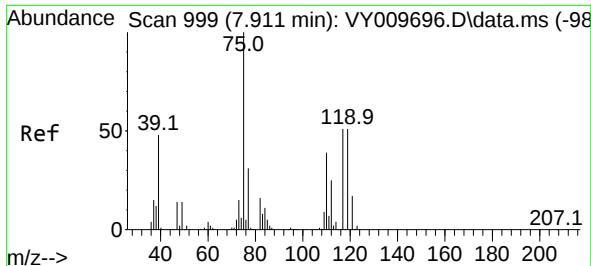
Ion Ratio Lower Upper

113 100

111 103.3 82.6 124.0

192 21.8 17.6 26.4

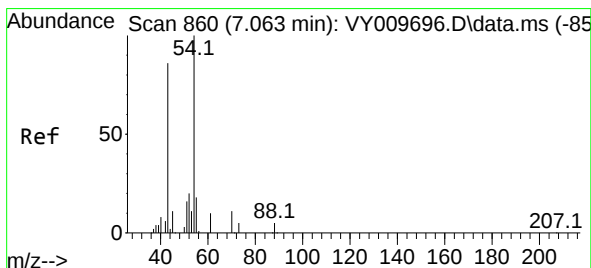
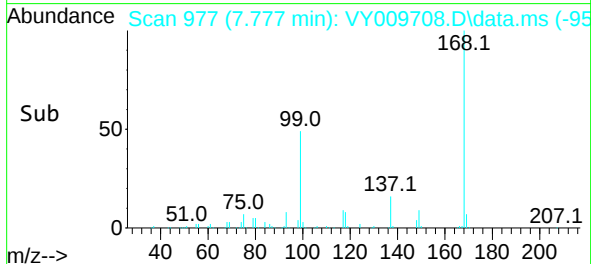
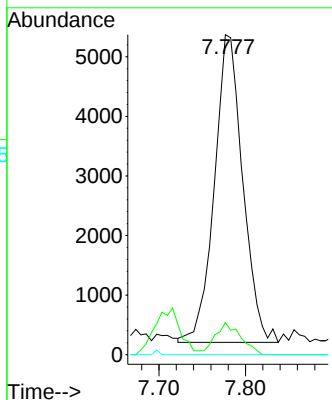
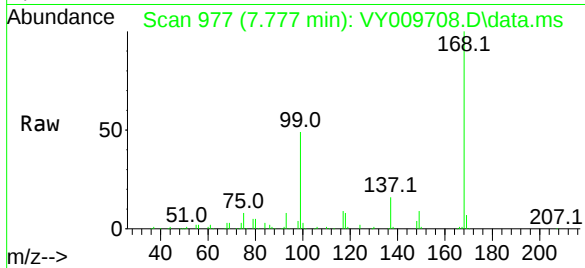




#36
1,1-Dichloropropene
Concen: 5.081 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY009708.D
Acq: 26 Jul 2022 18:19

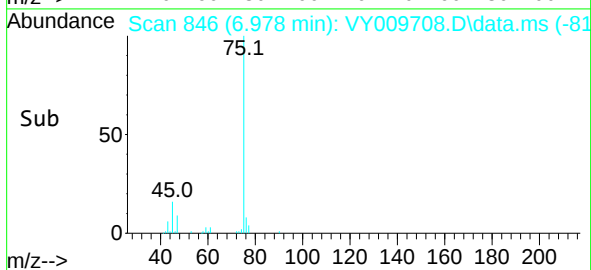
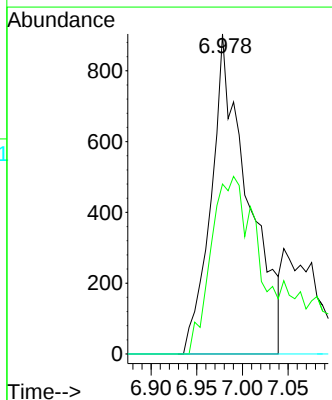
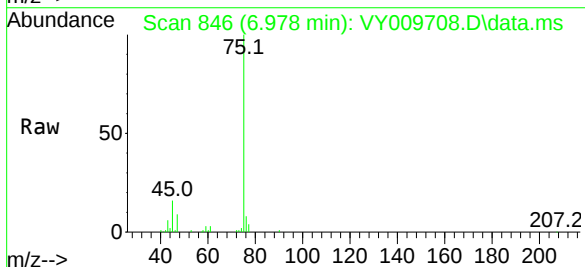
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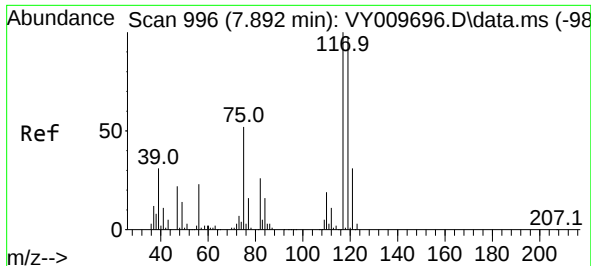
Tgt Ion: 75 Resp: 11750
Ion Ratio Lower Upper
75 100
110 9.4 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.852 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.085 min
Lab File: VY009708.D
Acq: 26 Jul 2022 18:19

Tgt Ion: 43 Resp: 2539
Ion Ratio Lower Upper
43 100
61 69.9 9.7 14.5#
70 0.0 7.1 10.7#

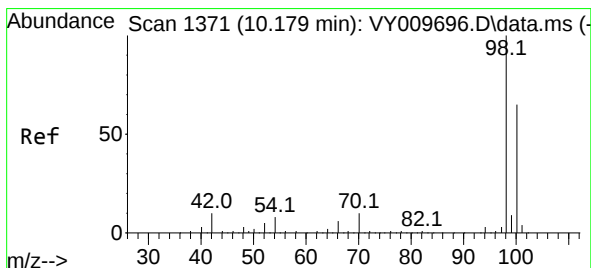
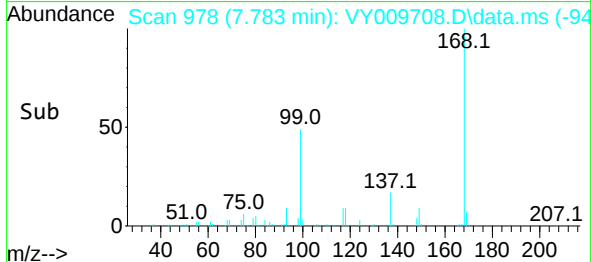
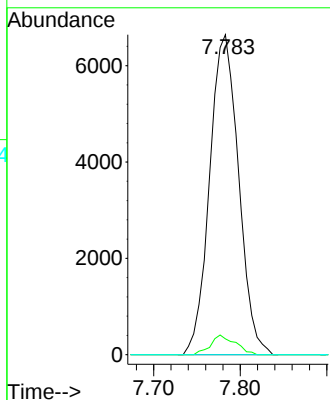
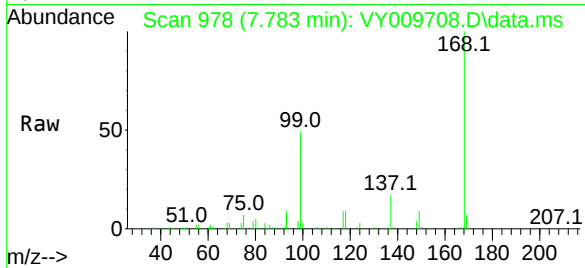




#38
Carbon Tetrachloride
Concen: 6.236 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY009708.D
Acq: 26 Jul 2022 18:19

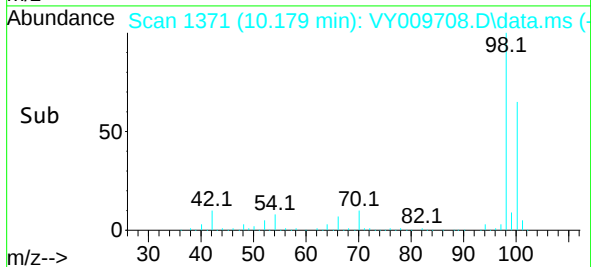
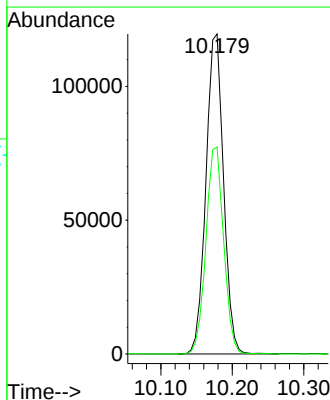
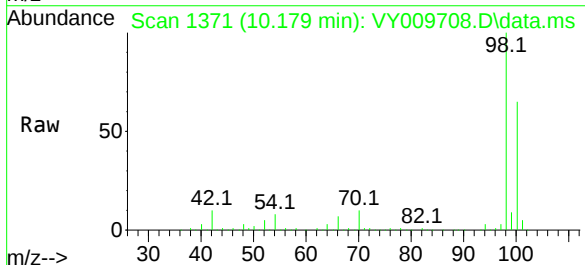
Instrument :
MSVOA_Y
ClientSampleId :
MH-189E

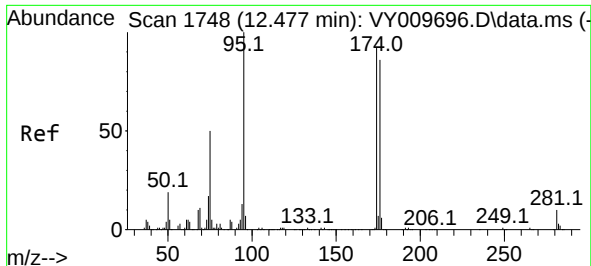
Tgt Ion:117 Resp: 15455
Ion Ratio Lower Upper
117 100
119 5.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 49.246 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY009708.D
Acq: 26 Jul 2022 18:19

Tgt Ion: 98 Resp: 204114
Ion Ratio Lower Upper
98 100
100 65.3 50.2 75.2

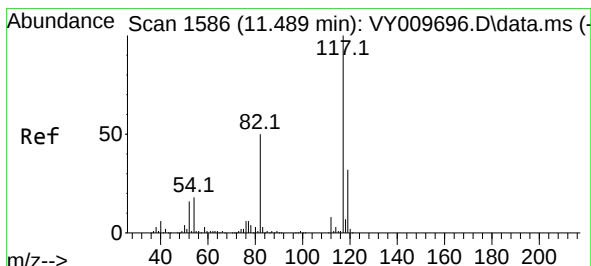
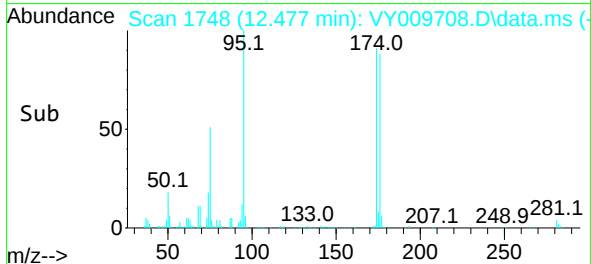
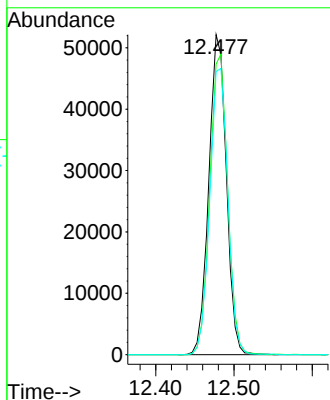
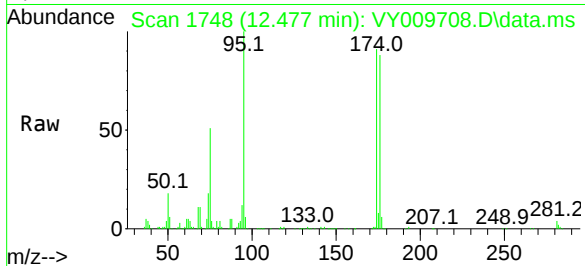




#62
4-Bromofluorobenzene
Concen: 42.995 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY009708.D
Acq: 26 Jul 2022 18:19

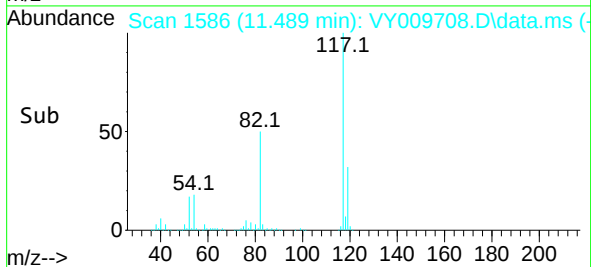
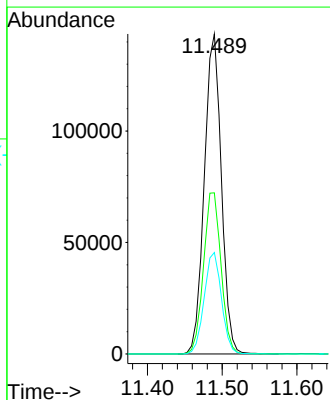
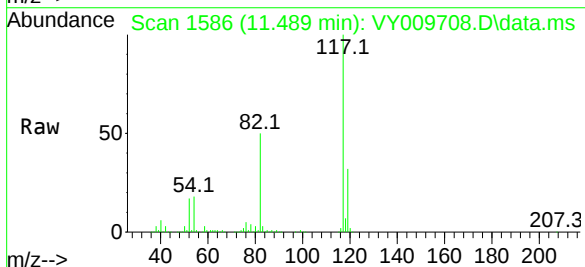
Instrument :
MSVOA_Y
ClientSampleId :
MH-189E

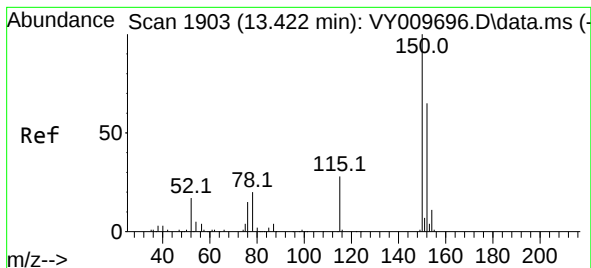
Tgt Ion: 95 Resp: 81031
Ion Ratio Lower Upper
95 100
174 95.8 0.0 177.0
176 92.2 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY009708.D
Acq: 26 Jul 2022 18:19

Tgt Ion: 117 Resp: 227573
Ion Ratio Lower Upper
117 100
82 50.4 43.0 64.4
119 31.7 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY009708.D

Acq: 26 Jul 2022 18:19

Instrument :

MSVOA_Y

ClientSampleId :

MH-189E

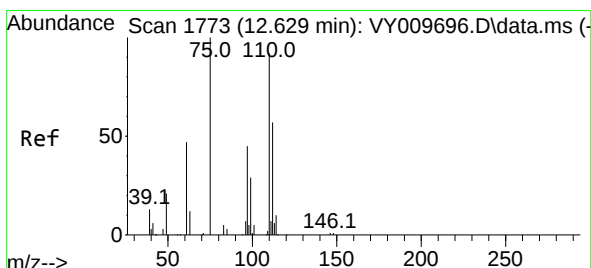
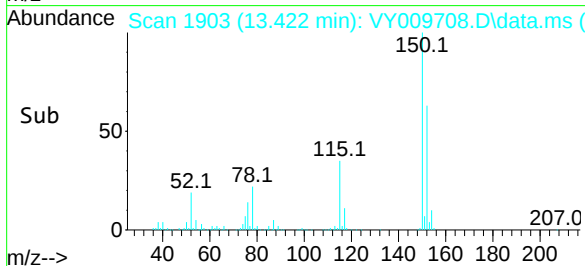
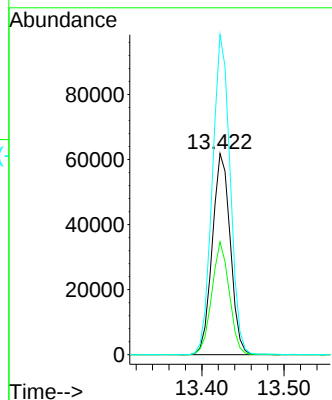
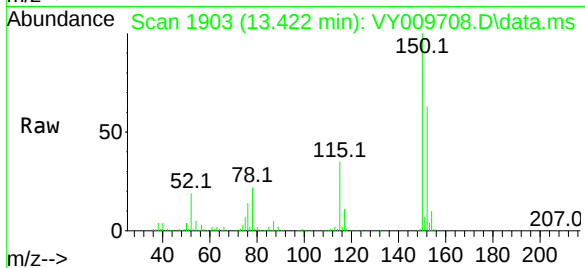
Tgt Ion:152 Resp: 94010

Ion Ratio Lower Upper

152 100

115 54.4 28.2 84.7

150 157.5 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 47.614 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY009708.D

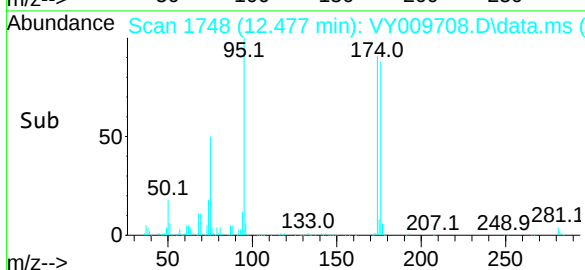
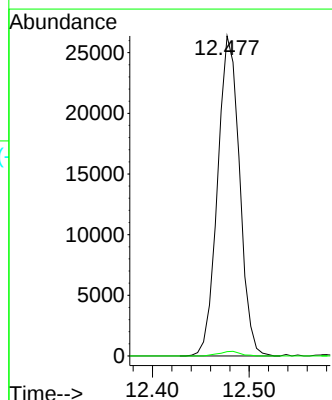
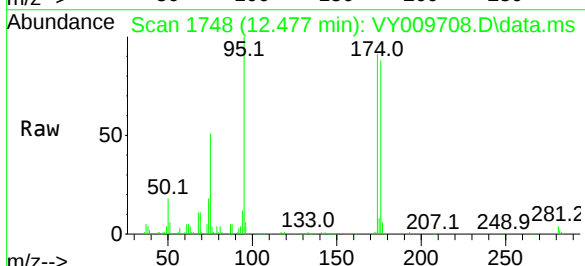
Acq: 26 Jul 2022 18:19

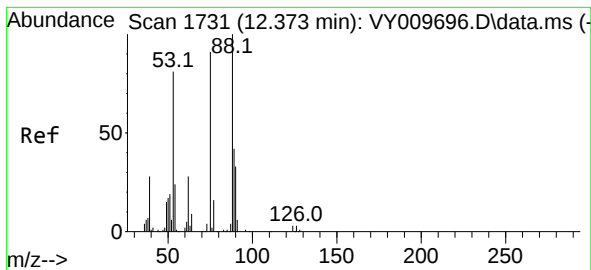
Tgt Ion: 75 Resp: 41577

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 94.908 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY009708.D
 Acq: 26 Jul 2022 18:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-189E

Tgt Ion: 75 Resp: 41577
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.1 37.0 55.4#

