

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060623\
 Data File : VY014033.D
 Acq On : 06 Jun 2023 16:12
 Operator : KP/MD
 Sample : 03029-10
 Misc : 5.67g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-9

Quant Time: Jun 07 01:39:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060123S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 02 07:00:14 2023
 Response via : Initial Calibration

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

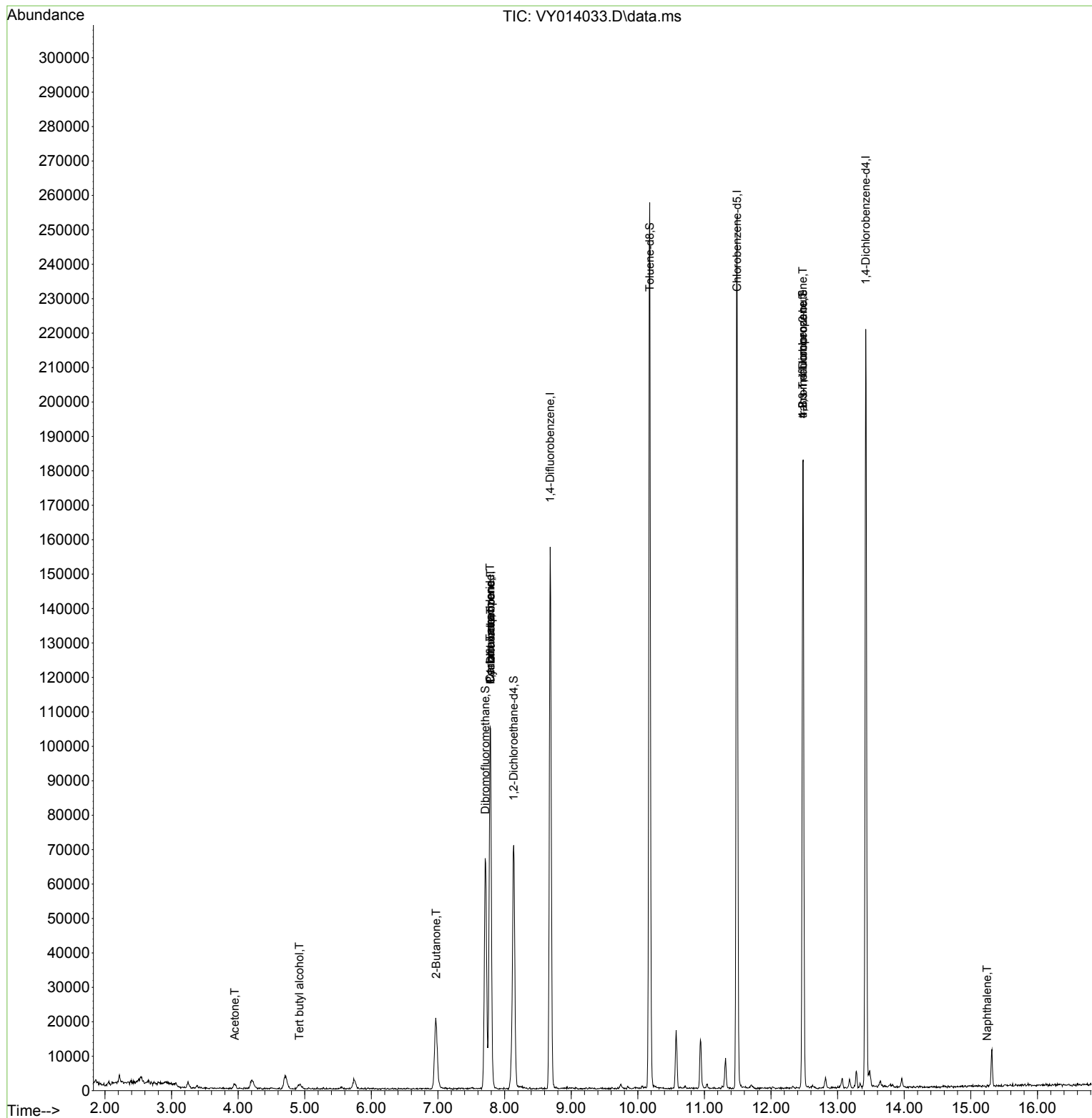
Internal Standards						
1) Pentafluorobenzene	7.789	168	82806	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	131090	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	132367	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	57651	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	55836	50.938	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.880%	
35) Dibromofluoromethane	7.710	113	45396	54.491	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.980%	
50) Toluene-d8	10.179	98	166539	52.408	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.820%	
62) 4-Bromofluorobenzene	12.477	95	51157	47.221	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.440%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.918	59	989	4.390	ug/l #	89
16) Acetone	3.948	43	2010	5.360	ug/l	100
20) Methylene Chloride	4.704	84	2952	Below Cal		83
25) 2-Butanone	6.972	43	1431	3.063	ug/l #	72
31) Cyclohexane	7.789	56	1885	1.428	ug/l #	38
36) 1,1-Dichloropropene	7.789	75	6412	5.402	ug/l #	47
38) Carbon Tetrachloride	7.783	117	8031	6.038	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	27710	35.718	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	27710	75.775	ug/l #	11
95) Naphthalene	15.245	128	103	3.916	ug/l #	69

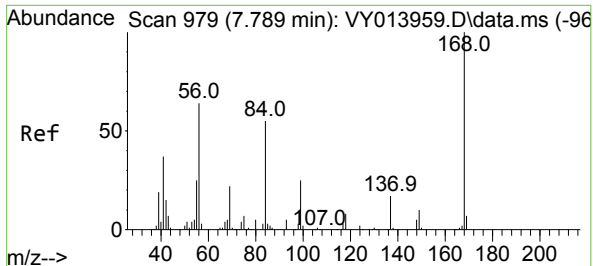
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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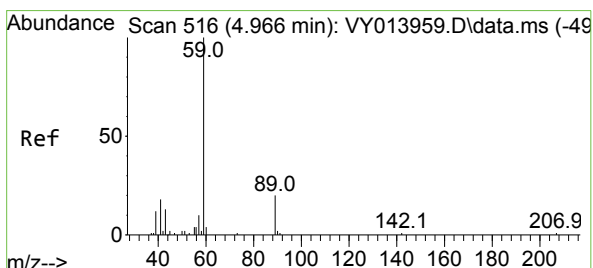
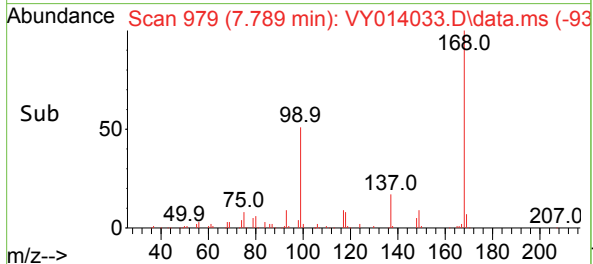
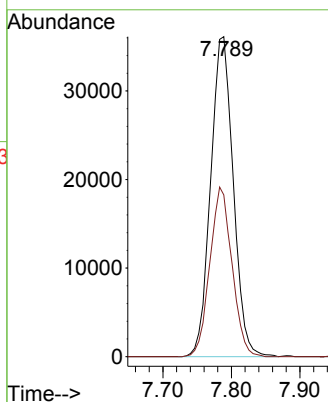
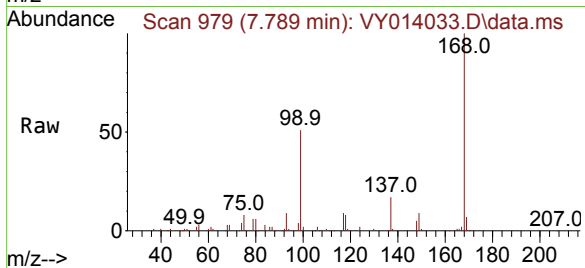




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014033.D
Acq: 06 Jun 2023 16:12

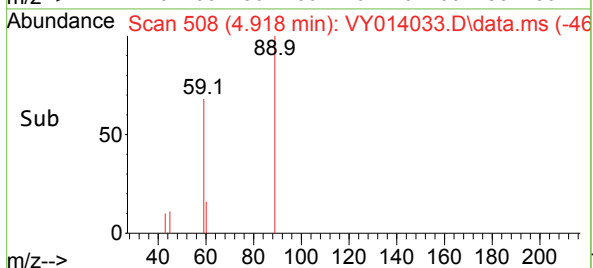
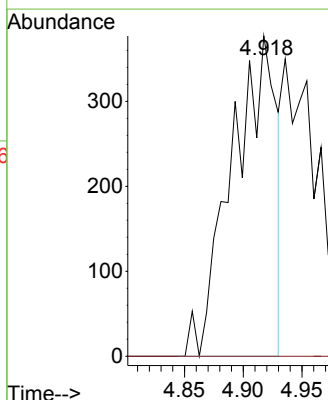
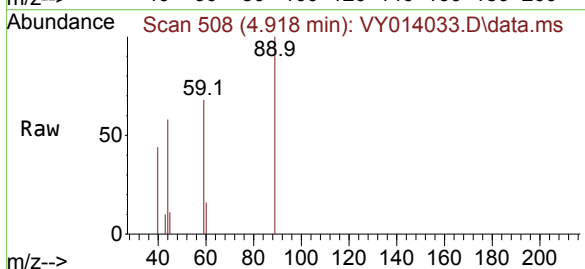
Instrument :
MSVOA_Y
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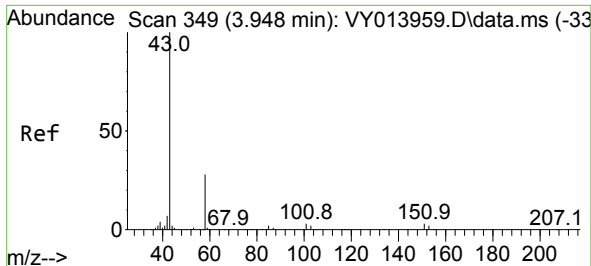
Tgt Ion:168 Resp: 82806
Ion Ratio Lower Upper
168 100
99 50.6 43.4 65.0



#11
Tert butyl alcohol
Concen: 4.390 ug/l
RT: 4.918 min Scan# 508
Delta R.T. -0.048 min
Lab File: VY014033.D
Acq: 06 Jun 2023 16:12

Tgt Ion: 59 Resp: 989
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

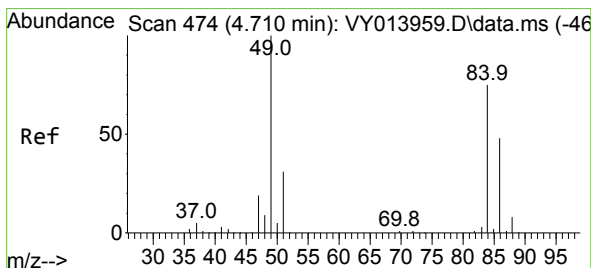
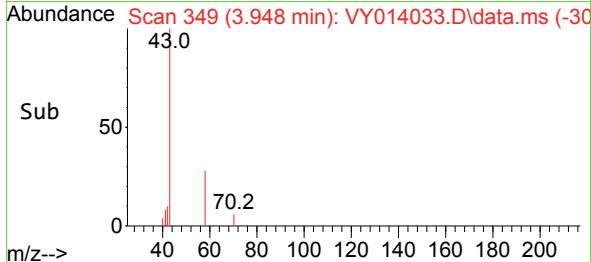
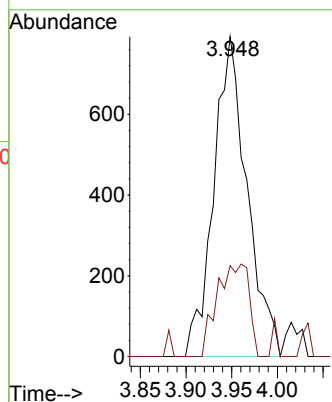
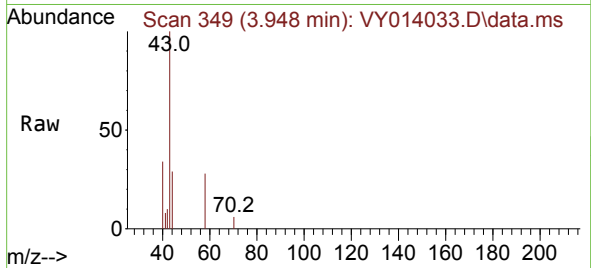




#16
Acetone
Concen: 5.360 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY014033.D
Acq: 06 Jun 2023 16:12

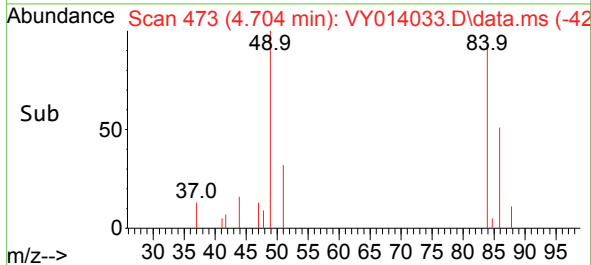
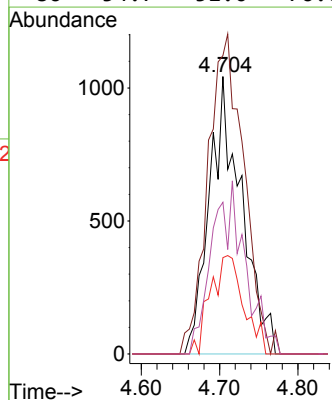
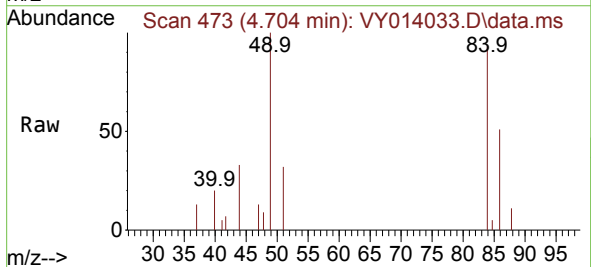
Instrument :
MSVOA_Y
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TP-9

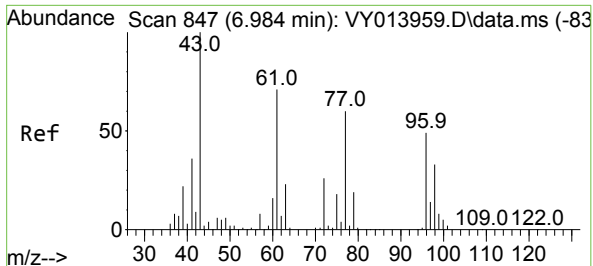
Tgt Ion: 43 Resp: 2010
Ion Ratio Lower Upper
43 100
58 28.4 22.7 34.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY014033.D
Acq: 06 Jun 2023 16:12

Tgt Ion: 84 Resp: 2952
Ion Ratio Lower Upper
84 100
49 107.6 106.9 160.3
51 34.7 33.2 49.8
86 54.7 51.0 76.6

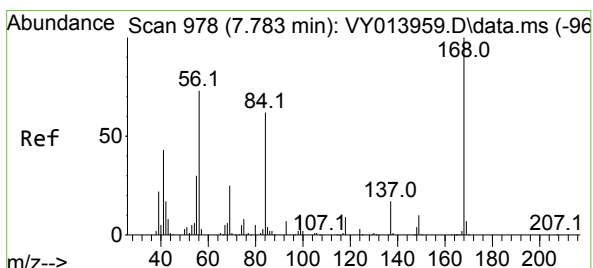
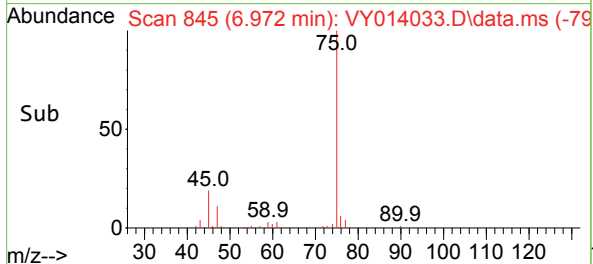
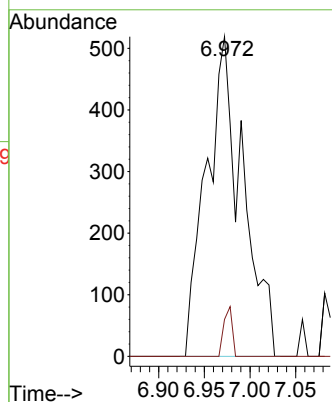
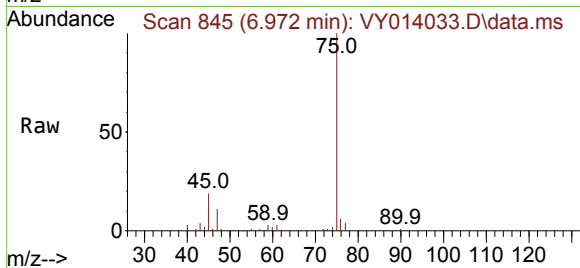




#25
2-Butanone
Concen: 3.063 ug/l
RT: 6.972 min Scan# 847
Delta R.T. -0.012 min
Lab File: VY014033.D
Acq: 06 Jun 2023 16:12

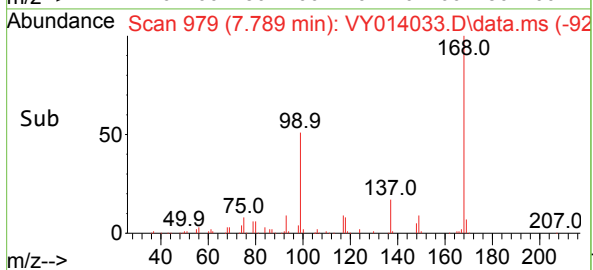
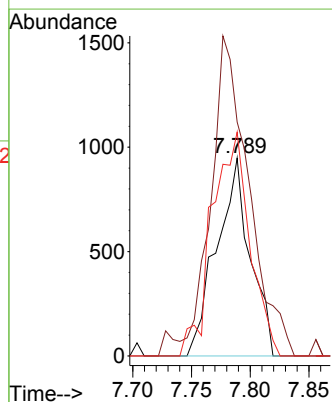
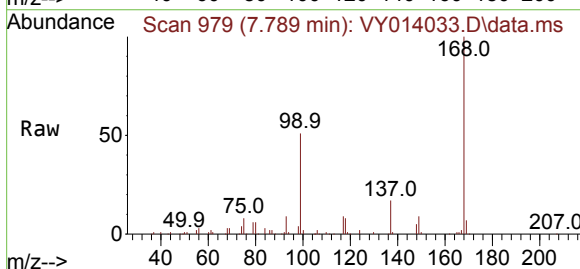
Instrument :
MSVOA_Y
ClientSampleId :
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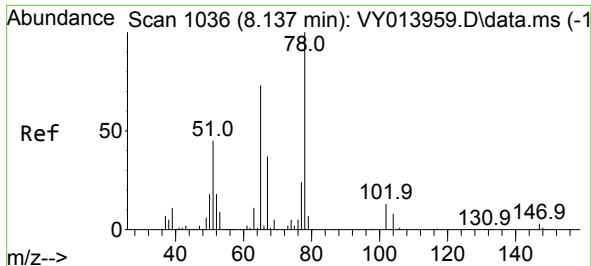
Tgt Ion: 43 Resp: 1431
Ion Ratio Lower Upper
43 100
72 11.6 20.5 30.7#



#31
Cyclohexane
Concen: 1.428 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY014033.D
Acq: 06 Jun 2023 16:12

Tgt Ion: 56 Resp: 1885
Ion Ratio Lower Upper
56 100
69 110.9 27.8 41.6#
84 113.1 66.4 99.6#

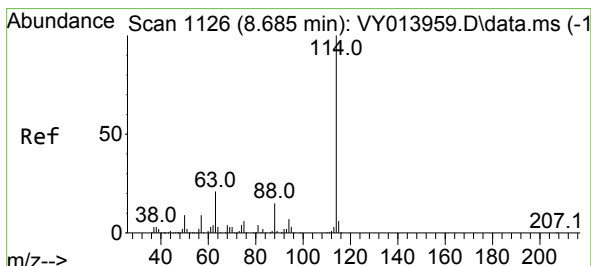
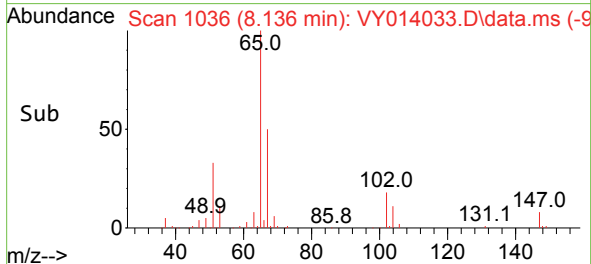
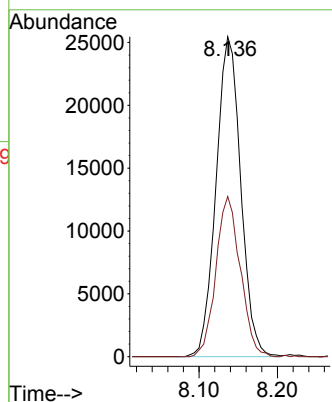
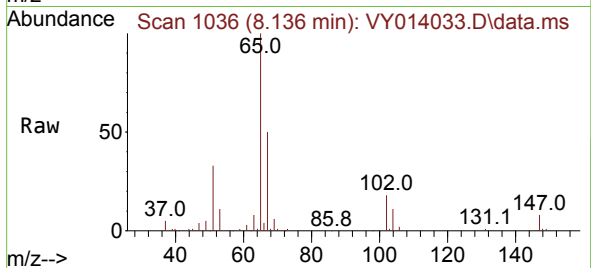




#33
 1,2-Dichloroethane-d4
 Concen: 50.938 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. -0.000 min
 Lab File: VY014033.D
 Acq: 06 Jun 2023 16:12

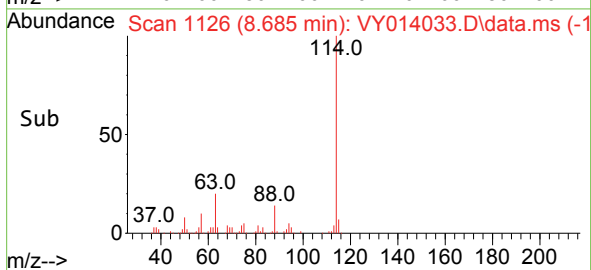
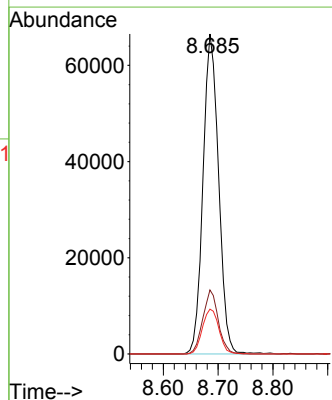
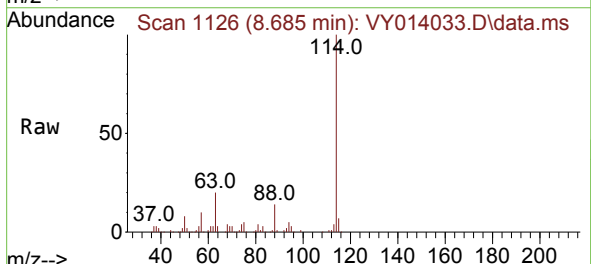
Instrument :
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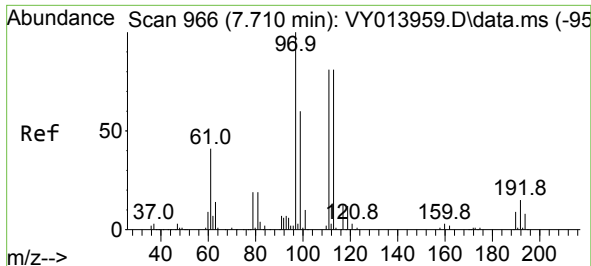
Tgt Ion: 65 Resp: 55836
 Ion Ratio Lower Upper
 65 100
 67 49.4 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VY014033.D
 Acq: 06 Jun 2023 16:12

Tgt Ion: 114 Resp: 131090
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 42.4
 88 14.0 0.0 30.6

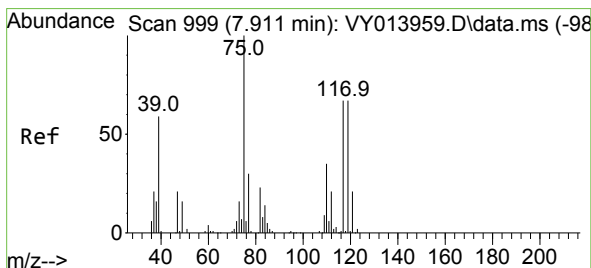
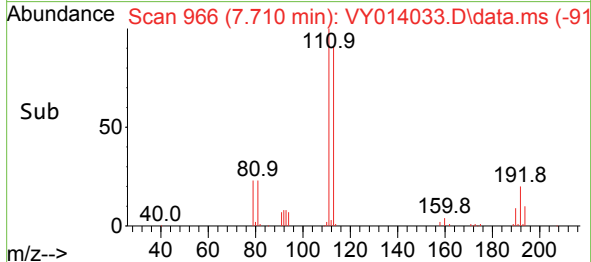
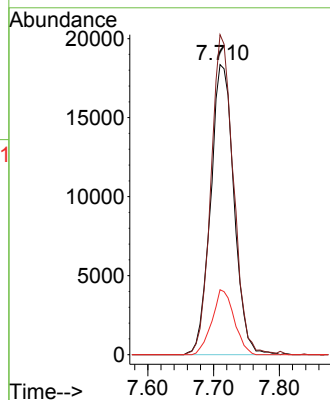
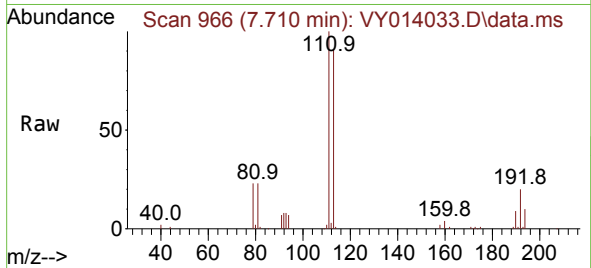




#35
Dibromofluoromethane
Concen: 54.491 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY014033.D
Acq: 06 Jun 2023 16:12

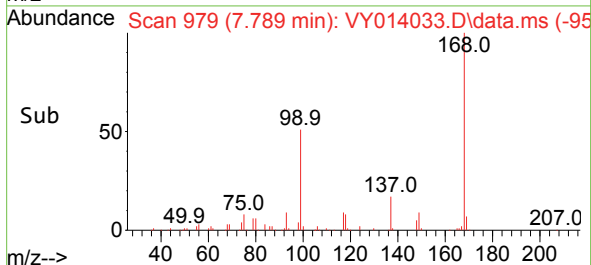
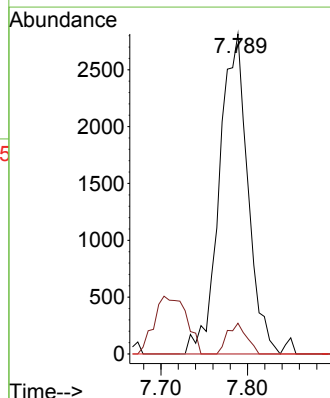
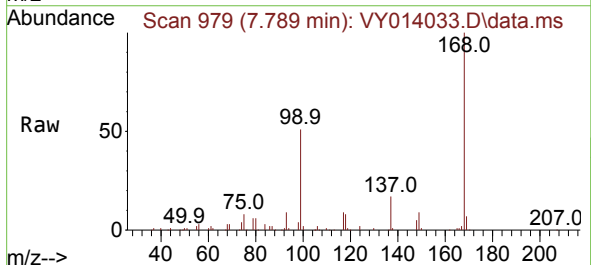
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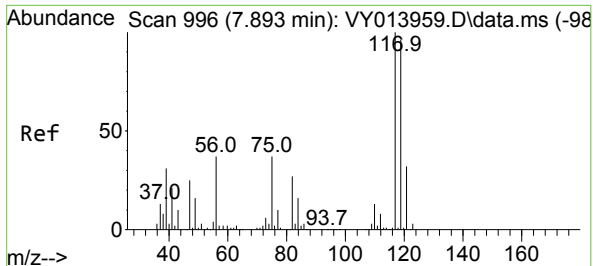
Tgt Ion:113 Resp: 45396
Ion Ratio Lower Upper
113 100
111 106.2 81.3 121.9
192 21.3 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.402 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY014033.D
Acq: 06 Jun 2023 16:12

Tgt Ion: 75 Resp: 6412
Ion Ratio Lower Upper
75 100
110 6.5 17.8 53.5#
77 0.0 24.4 36.6#

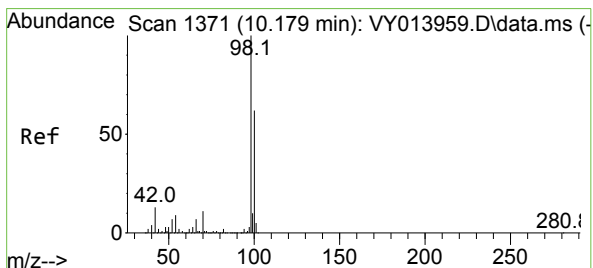
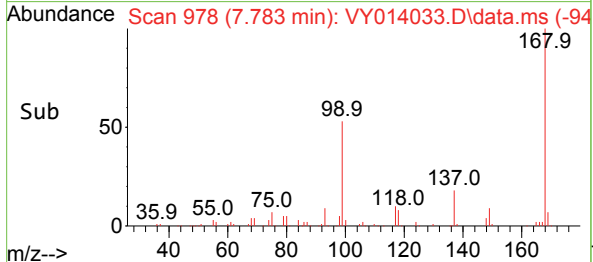
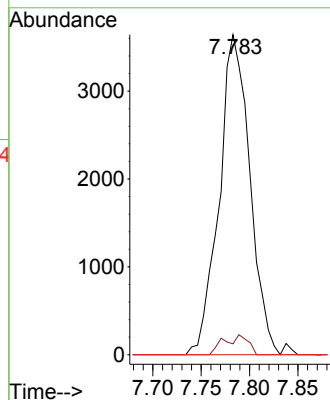
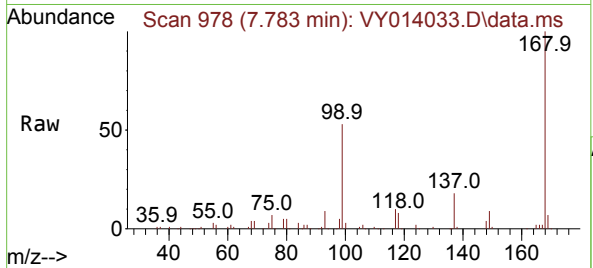




#38
Carbon Tetrachloride
Concen: 6.038 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY014033.D
Acq: 06 Jun 2023 16:12

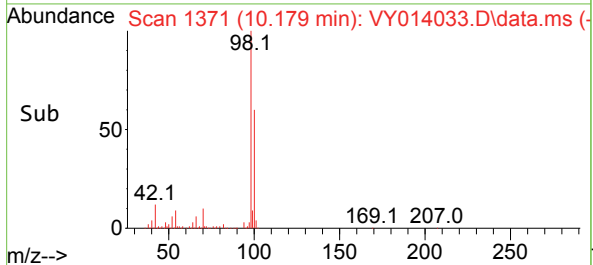
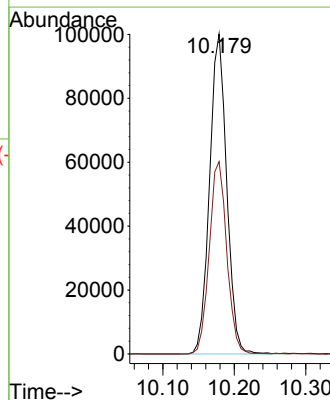
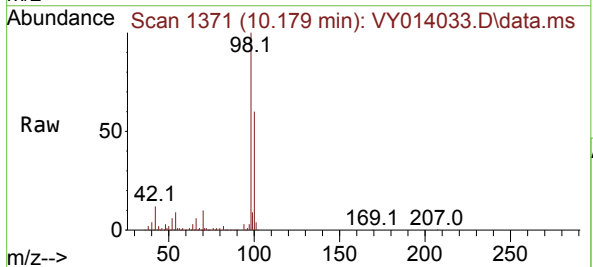
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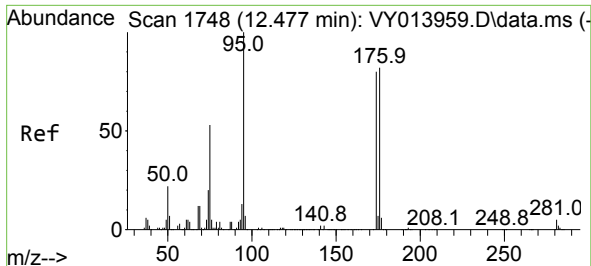
Tgt Ion:117 Resp: 8031
Ion Ratio Lower Upper
117 100
119 3.4 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 52.408 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014033.D
Acq: 06 Jun 2023 16:12

Tgt Ion: 98 Resp: 166539
Ion Ratio Lower Upper
98 100
100 61.4 50.1 75.1

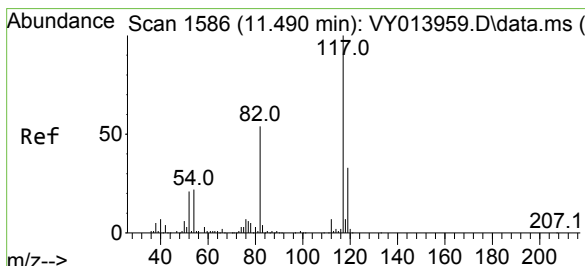
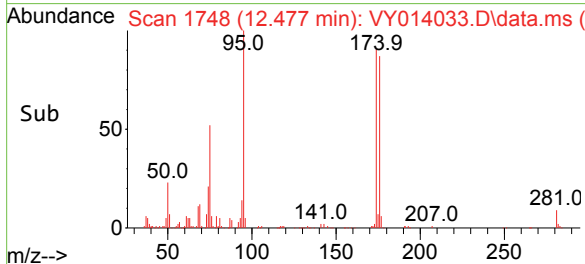
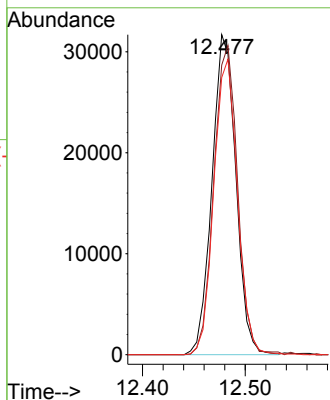
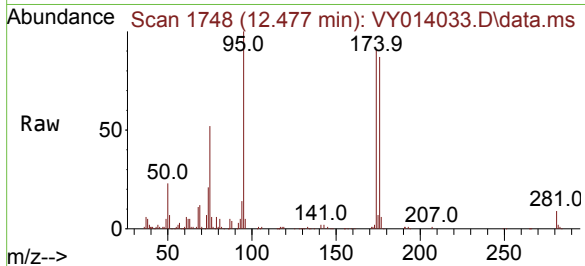




#62
4-Bromofluorobenzene
Concen: 47.221 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY014033.D
Acq: 06 Jun 2023 16:12

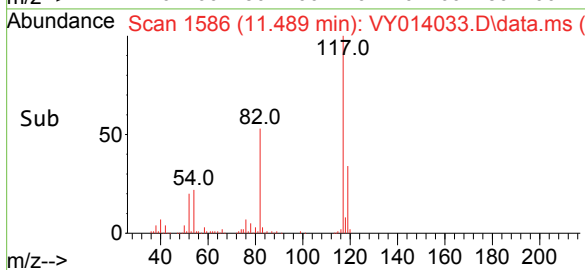
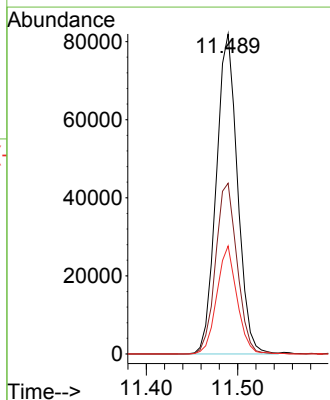
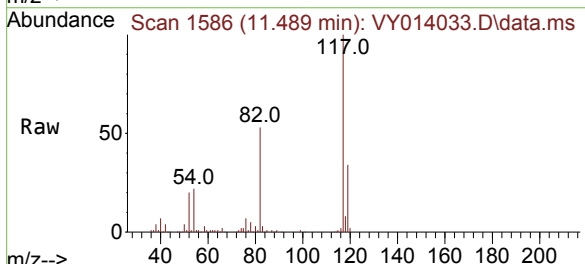
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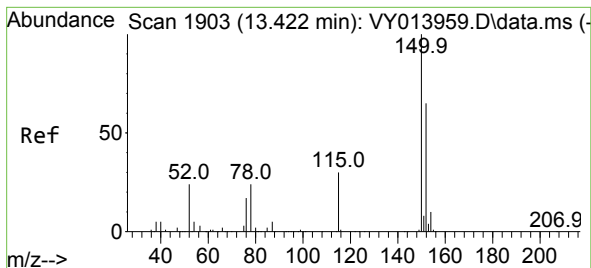
Tgt Ion: 95 Resp: 51157
Ion Ratio Lower Upper
95 100
174 96.0 0.0 178.2
176 91.4 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY014033.D
Acq: 06 Jun 2023 16:12

Tgt Ion: 117 Resp: 132367
Ion Ratio Lower Upper
117 100
82 53.3 43.4 65.0
119 33.8 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: VY014033.D

Acq: 06 Jun 2023 16:12

Instrument :

MSVOA_Y

ClientSampleId :

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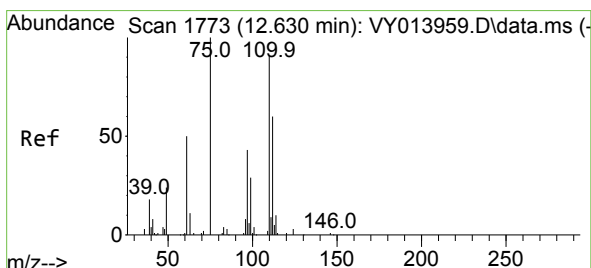
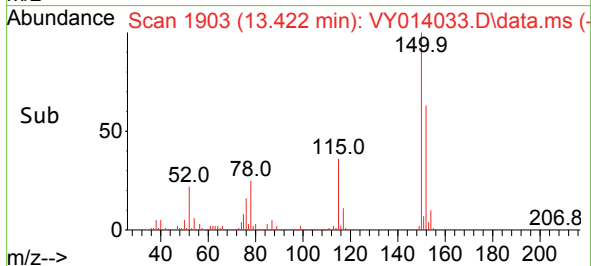
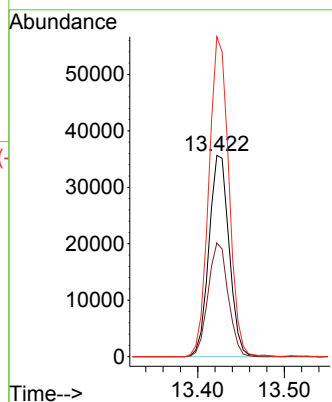
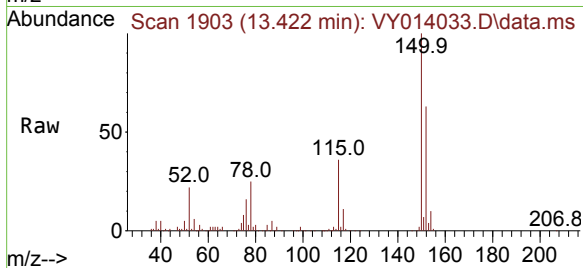
Tgt Ion:152 Resp: 57651

Ion Ratio Lower Upper

152 100

115 56.2 28.8 86.5

150 157.4 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 35.718 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY014033.D

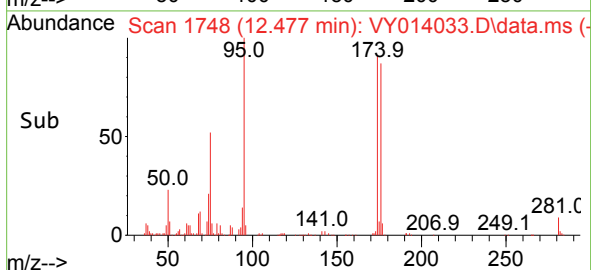
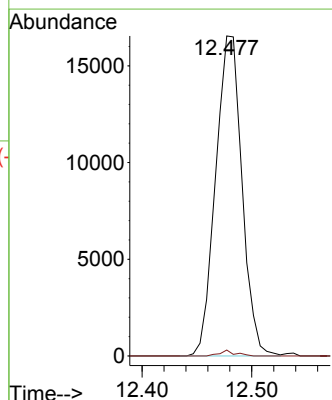
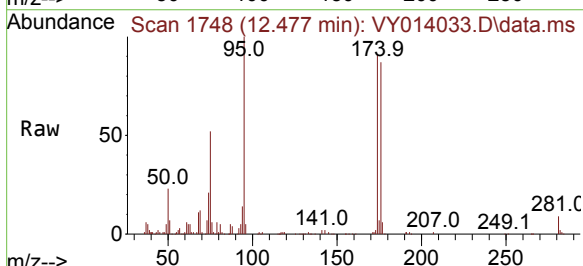
Acq: 06 Jun 2023 16:12

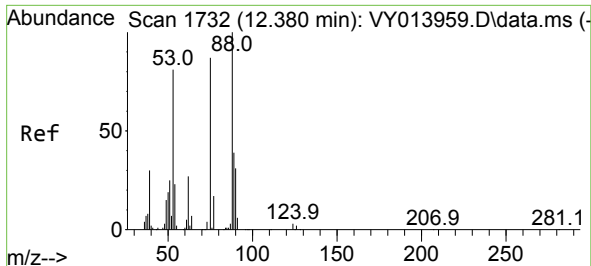
Tgt Ion: 75 Resp: 27710

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#

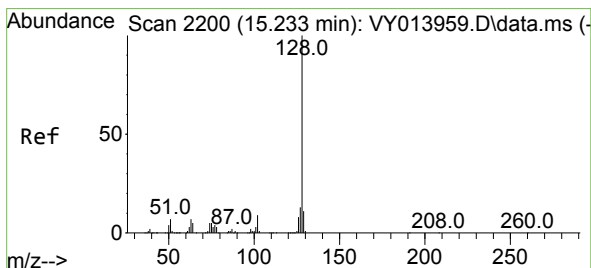
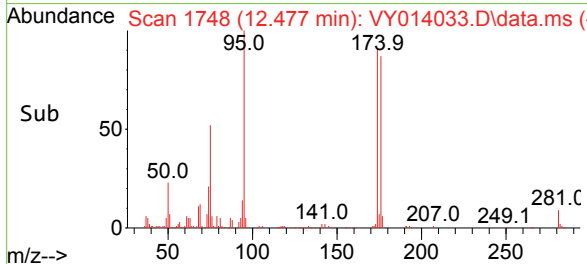
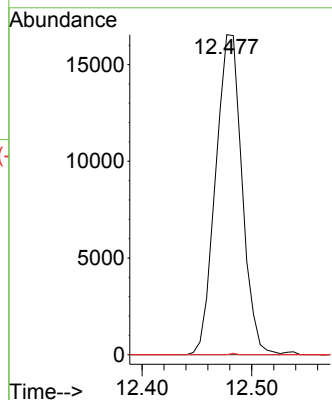
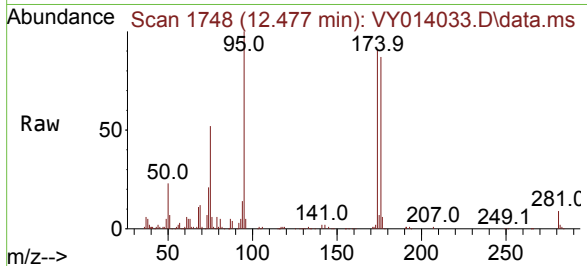




#81
trans-1,4-Dichloro-2-butene
Concen: 75.775 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY014033.D
Acq: 06 Jun 2023 16:12

Instrument :
MSVOA_Y
ClientSampleId :
TP-9

Tgt Ion: 75 Resp: 27710
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#



#95
Naphthalene
Concen: 3.916 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. 0.012 min
Lab File: VY014033.D
Acq: 06 Jun 2023 16:12

Tgt Ion:128 Resp: 103
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 0.0 8.6 13.0#

