

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020924\
 Data File : VY017345.D
 Acq On : 09 Feb 2024 17:32
 Operator : SY/MD
 Sample : P1450-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-02-02092024

Quant Time: Feb 09 22:06:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020124S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 02 00:56:04 2024
 Response via : Initial Calibration

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

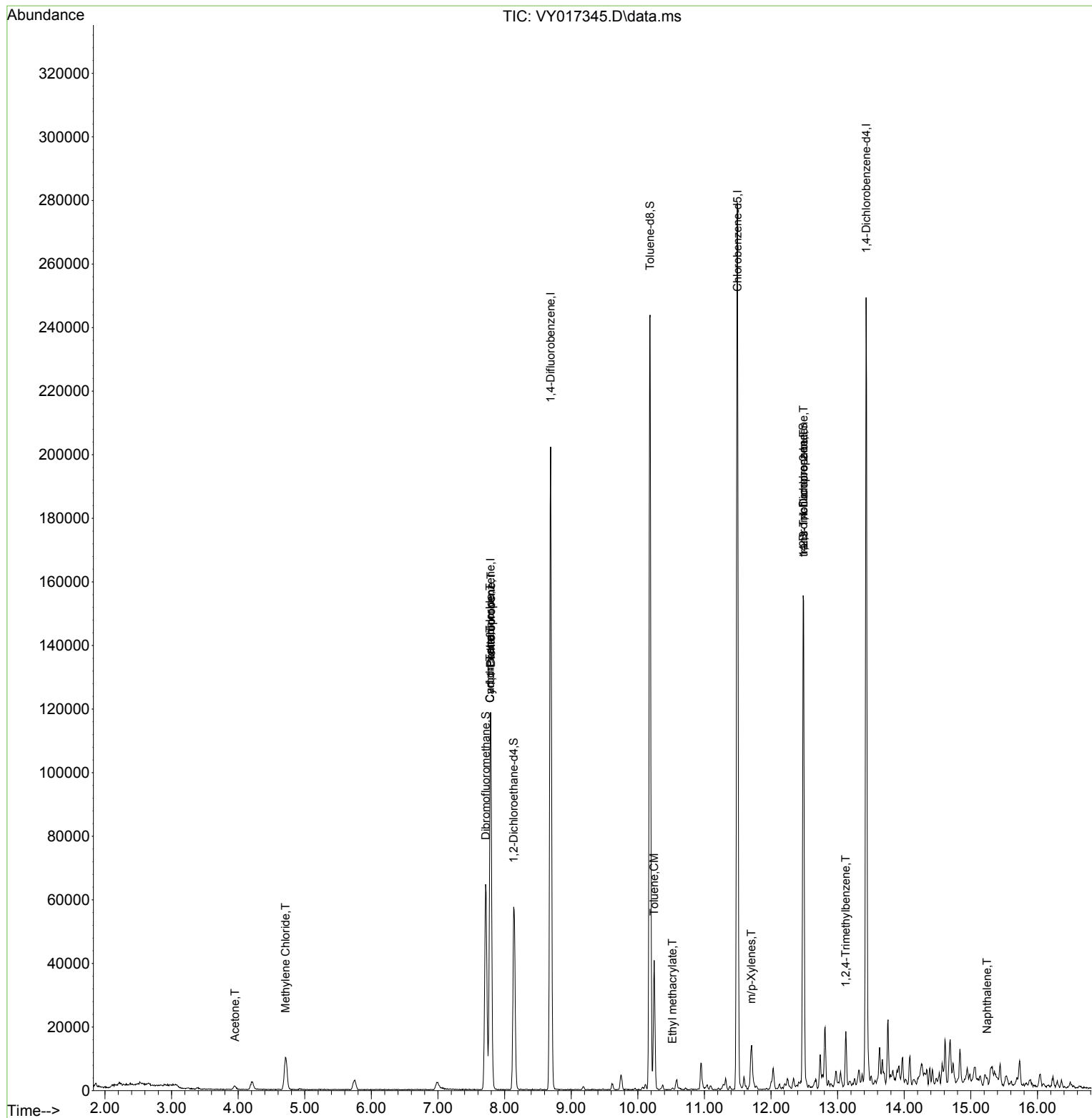
Internal Standards						
1) Pentafluorobenzene	7.789	168	90943	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	172262	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	150843	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	61038	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	44562	54.850	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.700%			
35) Dibromofluoromethane	7.716	113	46237	49.712	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.420%			
50) Toluene-d8	10.185	98	162098	47.867	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.740%			
62) 4-Bromofluorobenzene	12.483	95	47363	42.695	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 85.380%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.948	59	170	Below Cal	#	75
16) Acetone	3.954	43	2306	9.657	ug/l	92
20) Methylene Chloride	4.710	84	7588	4.576	ug/l	97
31) Cyclohexane	7.783	56	2038	1.245	ug/l	# 1
36) 1,1-Dichloropropene	7.795	75	7591	4.731	ug/l	# 49
38) Carbon Tetrachloride	7.783	117	9138	5.949	ug/l	# 16
52) Toluene	10.246	92	16127	5.832	ug/l	99
56) Ethyl methacrylate	10.520	69	23	3.024	ug/l	# 1
68) m/p-Xylenes	11.703	106	3585	1.796	ug/l	97
76) 1,2,3-Trichloropropane	12.489	75	24544	43.566	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.489	75	24544	90.525	ug/l	# 12
84) 1,2,4-Trimethylbenzene	13.123	105	9361	2.659	ug/l	95
95) Naphthalene	15.245	128	1459	4.267	ug/l	# 89

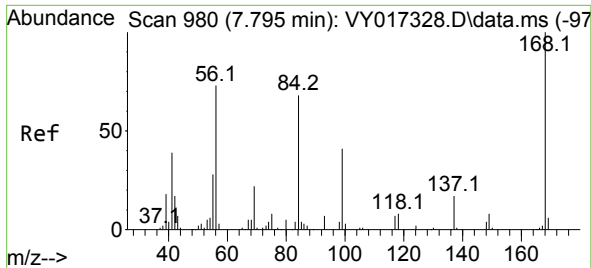
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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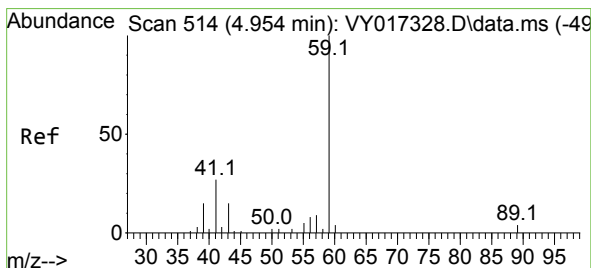
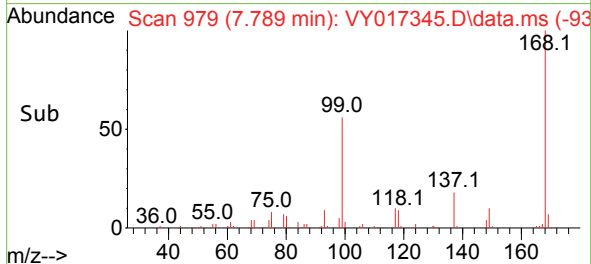
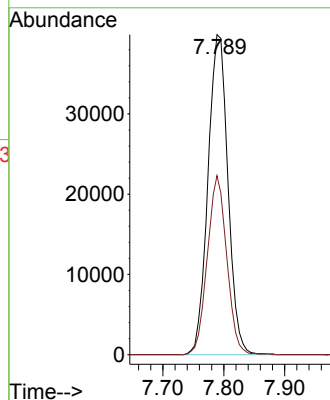
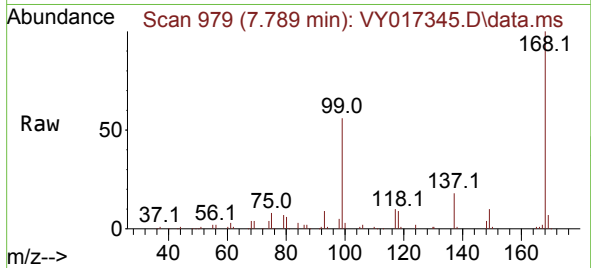




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017345.D
Acq: 09 Feb 2024 17:32

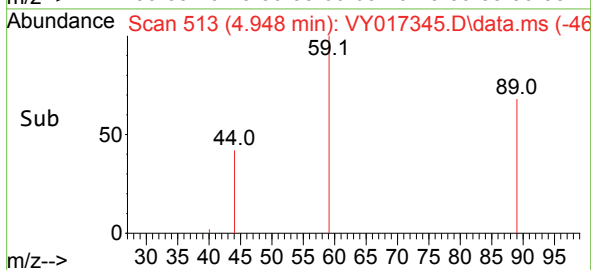
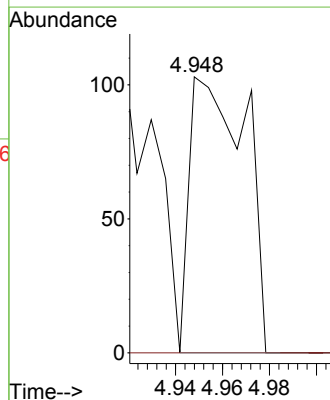
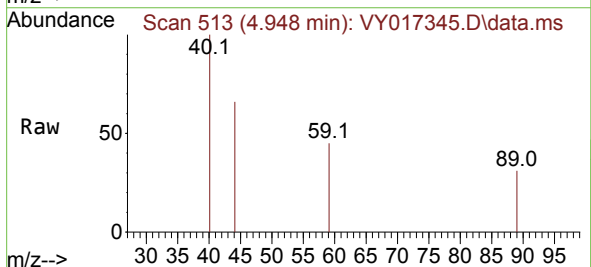
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-02092024

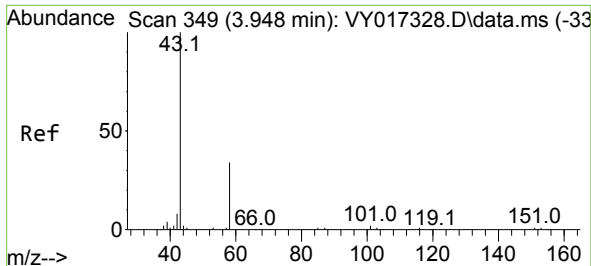
Tgt Ion:168 Resp: 90943
Ion Ratio Lower Upper
168 100
99 55.9 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.012 min
Lab File: VY017345.D
Acq: 09 Feb 2024 17:32

Tgt Ion: 59 Resp: 170
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: 9.657 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.006 min

Lab File: VY017345.D

Acq: 09 Feb 2024 17:32

Instrument :

MSVOA_Y

ClientSampleId :

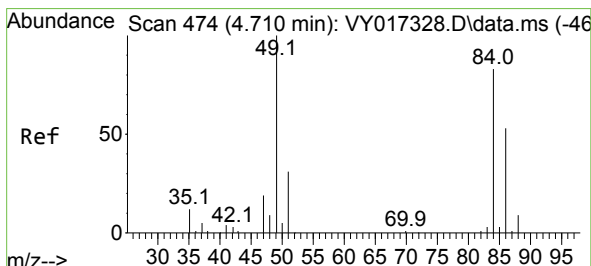
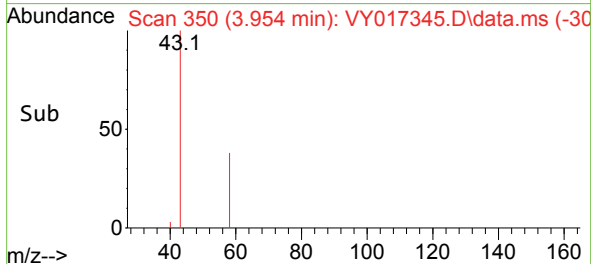
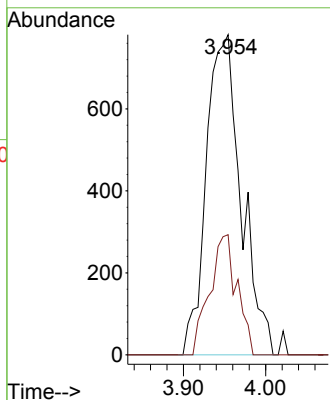
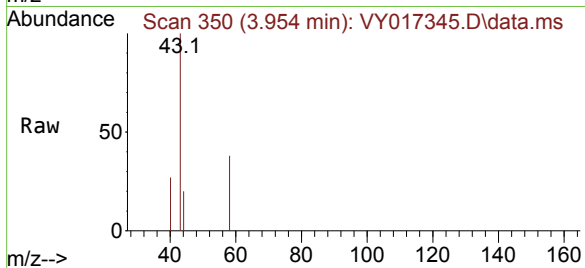
OR-02-02092024

Tgt Ion: 43 Resp: 2306

Ion Ratio Lower Upper

43 100

58 37.5 26.6 39.8



#20

Methylene Chloride

Concen: 4.576 ug/l

RT: 4.710 min Scan# 474

Delta R.T. -0.018 min

Lab File: VY017345.D

Acq: 09 Feb 2024 17:32

Tgt Ion: 84 Resp: 7588

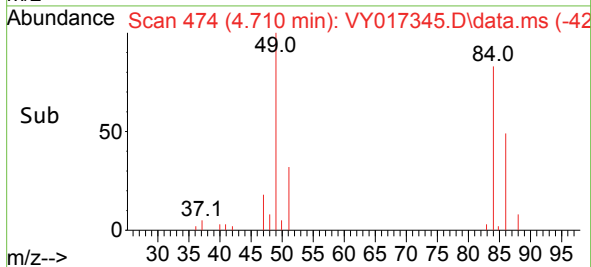
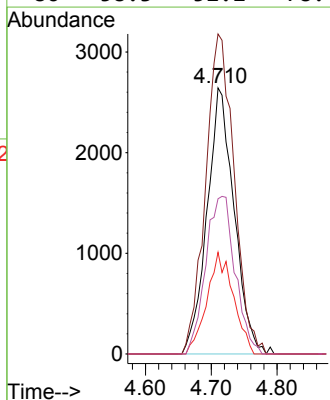
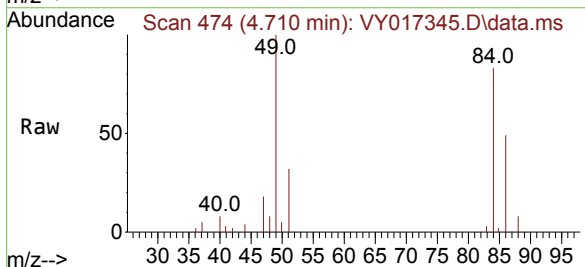
Ion Ratio Lower Upper

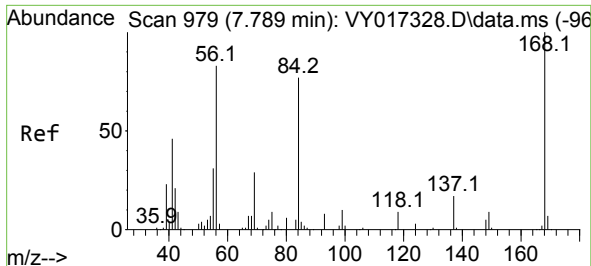
84 100

49 120.2 95.2 142.8

51 38.2 29.9 44.9

86 58.3 52.2 78.4

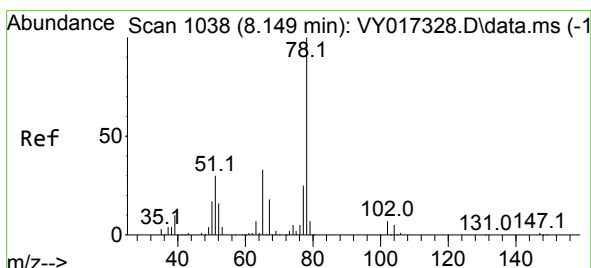
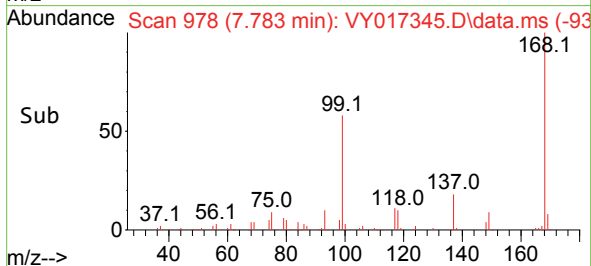
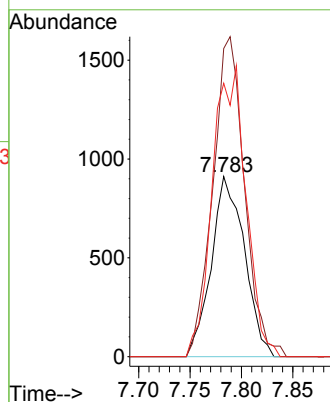
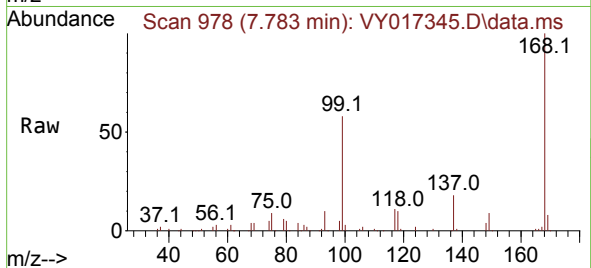




#31
Cyclohexane
Concen: 1.245 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY017345.D
Acq: 09 Feb 2024 17:32

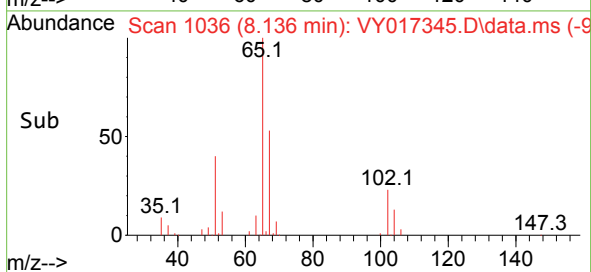
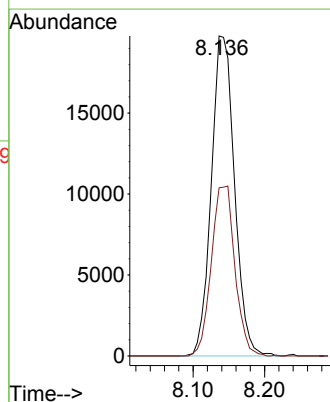
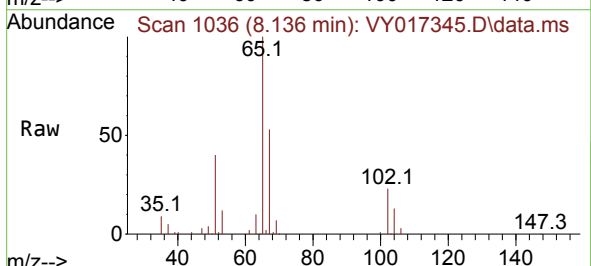
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-02092024

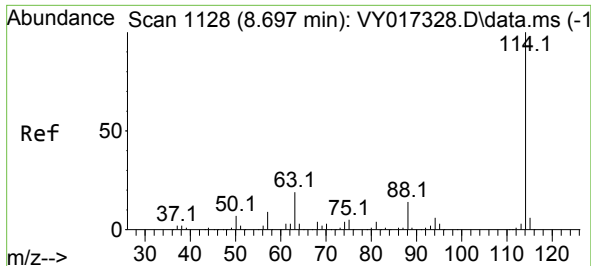
Tgt Ion: 56 Resp: 2038
Ion Ratio Lower Upper
56 100
69 171.1 27.0 40.6#
84 151.8 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 54.850 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VY017345.D
Acq: 09 Feb 2024 17:32

Tgt Ion: 65 Resp: 44562
Ion Ratio Lower Upper
65 100
67 54.0 0.0 109.0

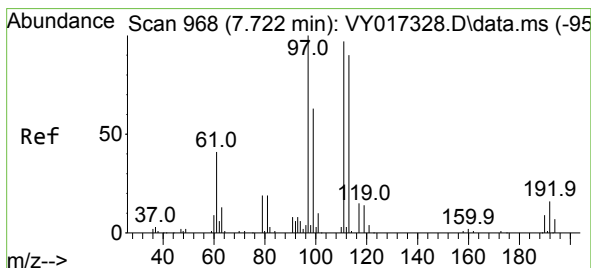
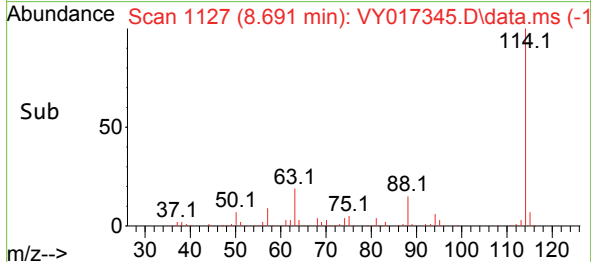
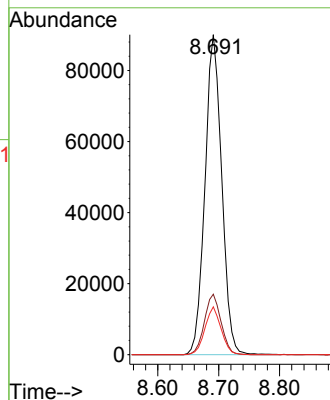
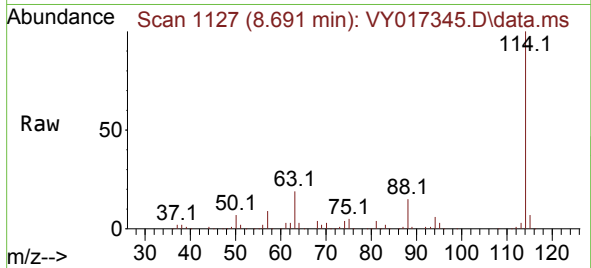




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1128
Delta R.T. -0.006 min
Lab File: VY017345.D
Acq: 09 Feb 2024 17:32

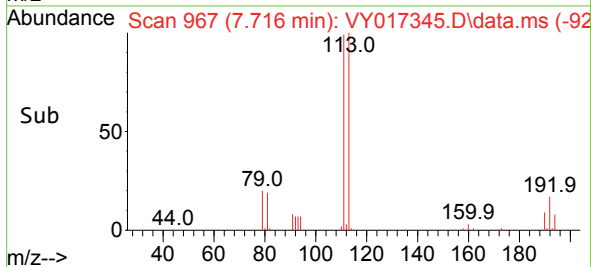
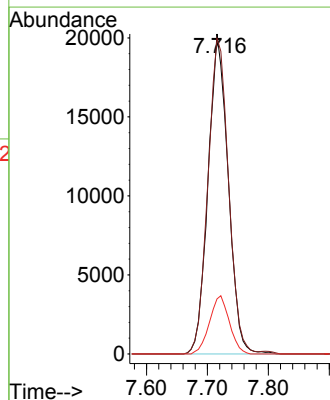
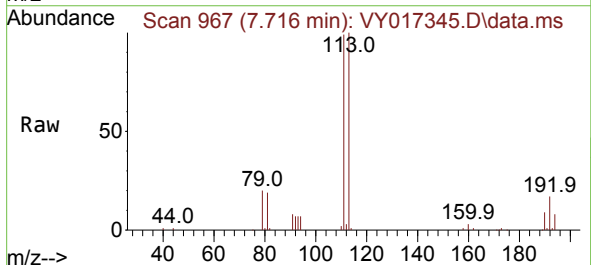
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-02092024

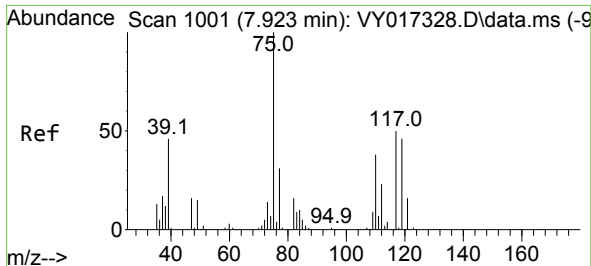
Tgt Ion:114 Resp: 172262
Ion Ratio Lower Upper
114 100
63 18.9 0.0 37.4
88 15.0 0.0 29.0



#35
Dibromofluoromethane
Concen: 49.712 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.012 min
Lab File: VY017345.D
Acq: 09 Feb 2024 17:32

Tgt Ion:113 Resp: 46237
Ion Ratio Lower Upper
113 100
111 101.6 83.8 125.6
192 18.0 14.5 21.7

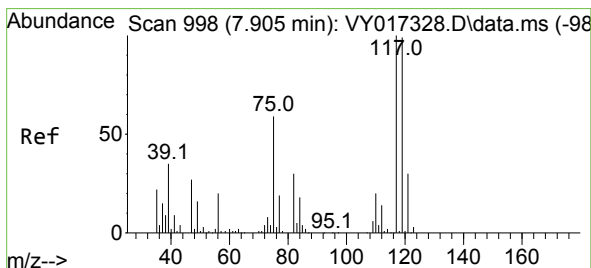
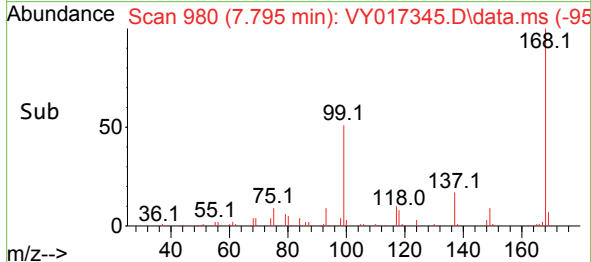
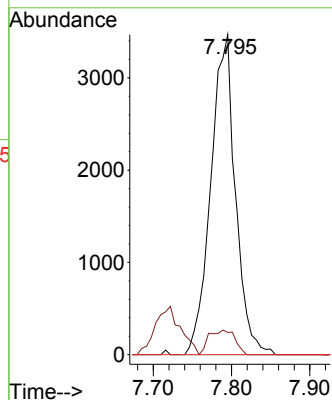
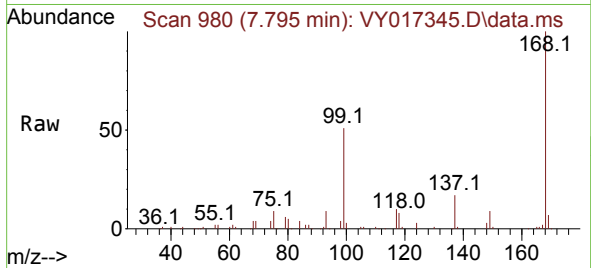




#36
1,1-Dichloropropene
Concen: 4.731 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY017345.D
Acq: 09 Feb 2024 17:32

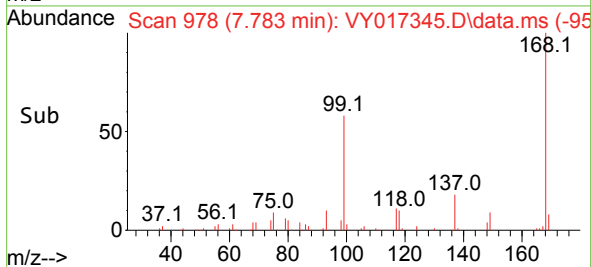
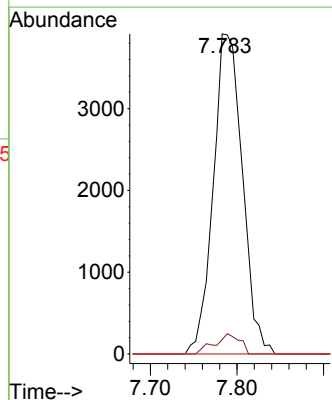
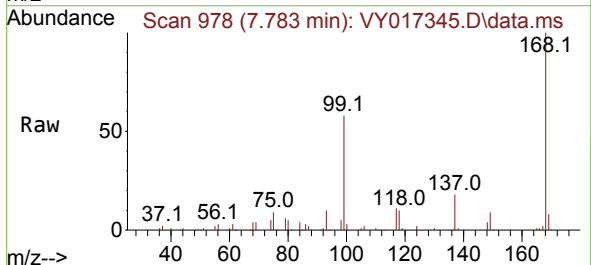
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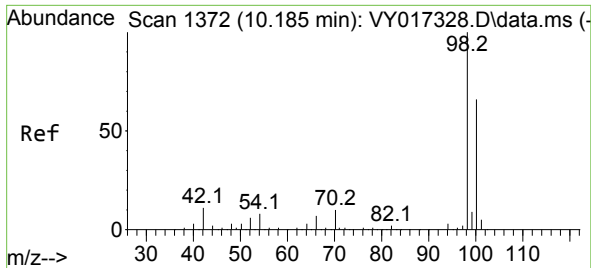
Tgt Ion: 75 Resp: 7591
Ion Ratio Lower Upper
75 100
110 8.1 17.4 52.3#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.949 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY017345.D
Acq: 09 Feb 2024 17:32

Tgt Ion: 117 Resp: 9138
Ion Ratio Lower Upper
117 100
119 4.5 76.0 114.0#
121 0.0 24.2 36.2#

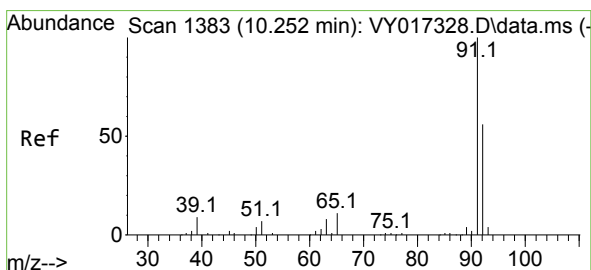
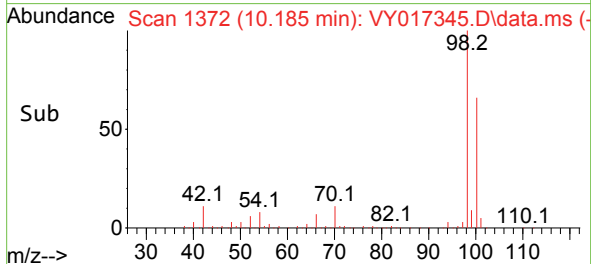
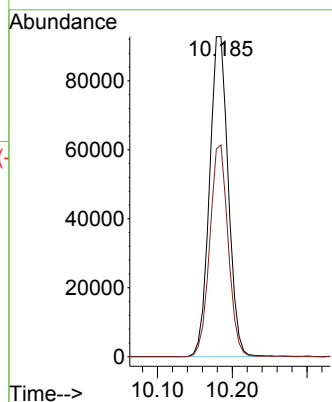
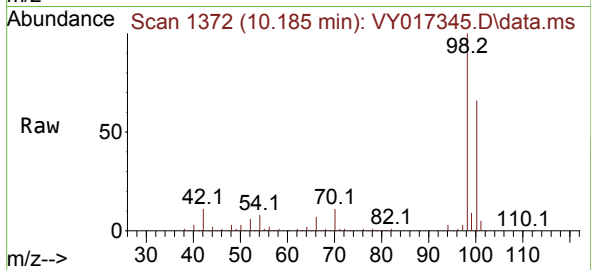




#50
Toluene-d8
Concen: 47.867 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY017345.D
Acq: 09 Feb 2024 17:32

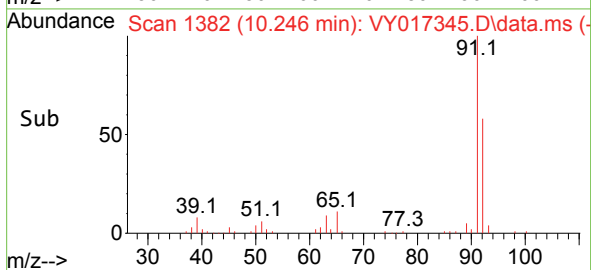
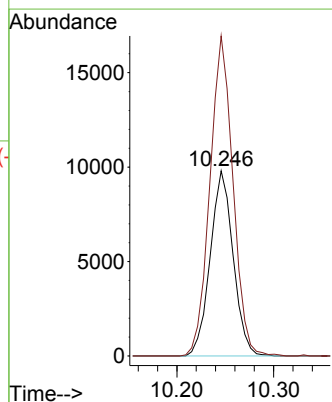
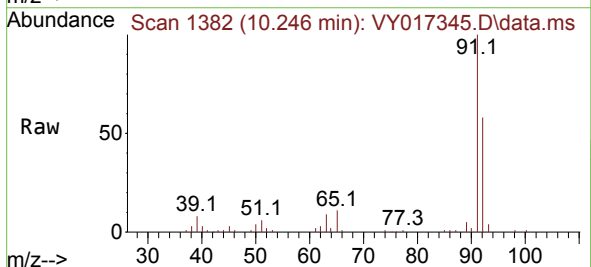
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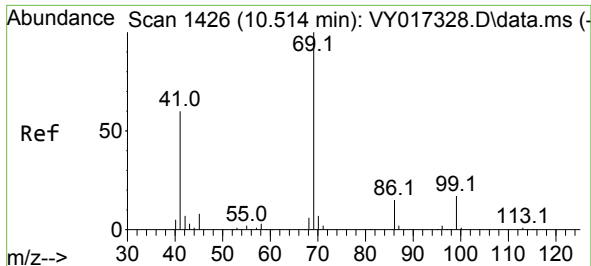
Tgt Ion: 98 Resp: 162098
Ion Ratio Lower Upper
98 100
100 65.1 52.3 78.5



#52
Toluene
Concen: 5.832 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.006 min
Lab File: VY017345.D
Acq: 09 Feb 2024 17:32

Tgt Ion: 92 Resp: 16127
Ion Ratio Lower Upper
92 100
91 173.8 137.6 206.4

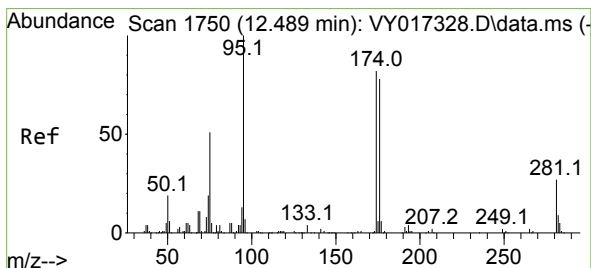
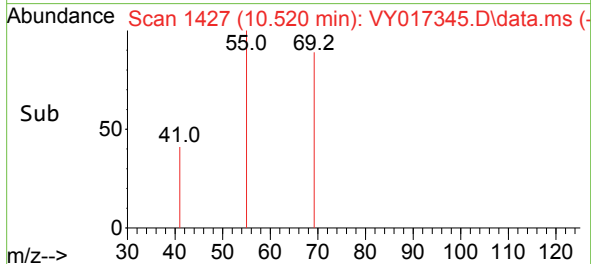
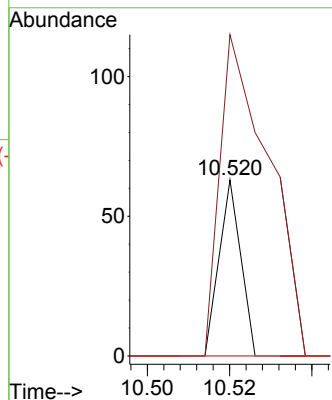
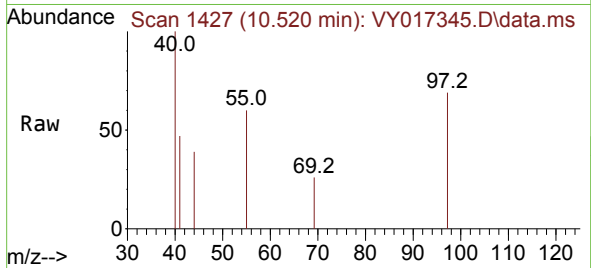




#56
Ethyl methacrylate
Concen: 3.024 ug/l
RT: 10.520 min Scan# 1426
Delta R.T. 0.000 min
Lab File: VY017345.D
Acq: 09 Feb 2024 17:32

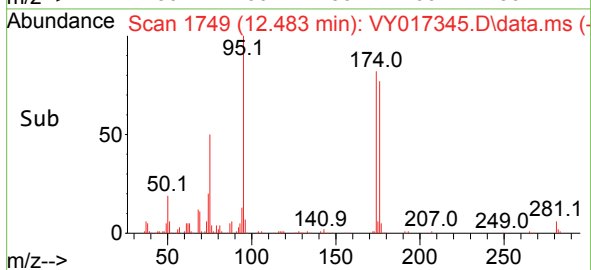
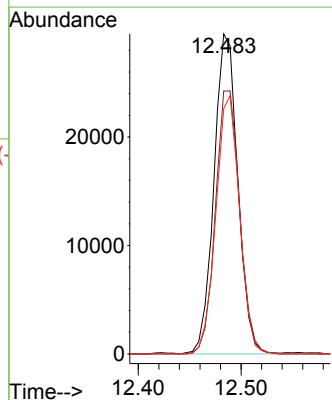
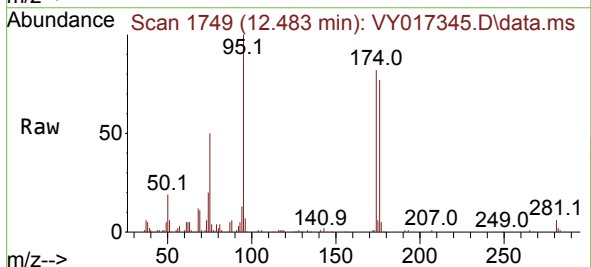
Instrument :
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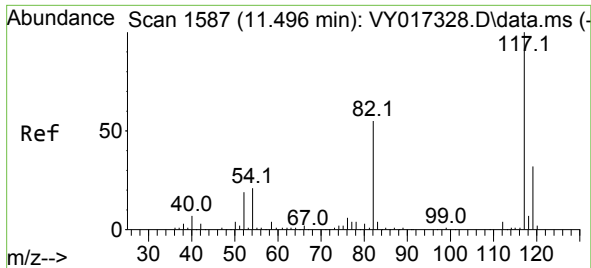
Tgt Ion: 69 Resp: 23
Ion Ratio Lower Upper
69 100
41 413.0 49.2 73.8#
39 0.0 26.8 40.2#



#62
4-Bromofluorobenzene
Concen: 42.695 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VY017345.D
Acq: 09 Feb 2024 17:32

Tgt Ion: 95 Resp: 47363
Ion Ratio Lower Upper
95 100
174 83.9 0.0 160.0
176 80.1 0.0 151.8

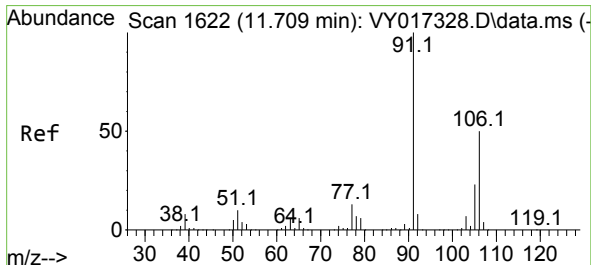
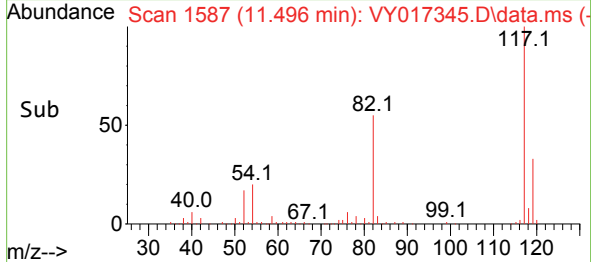
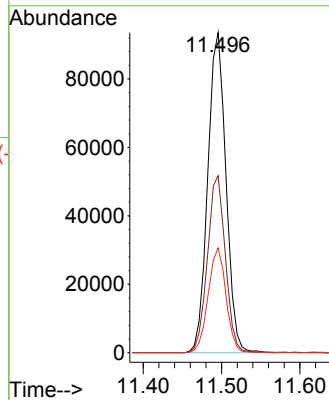
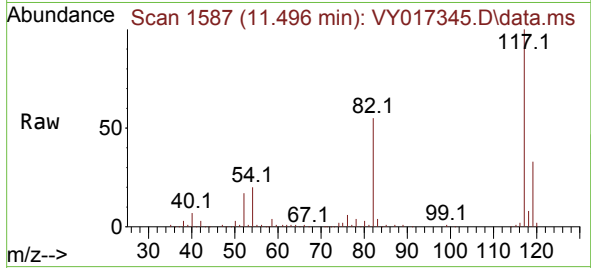




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY017345.D
Acq: 09 Feb 2024 17:32

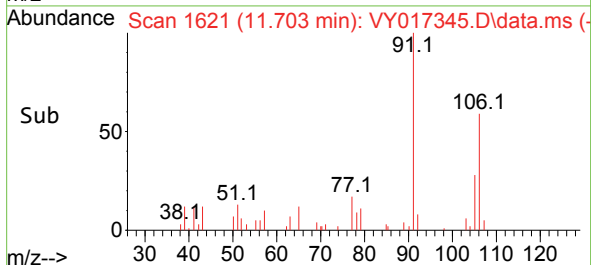
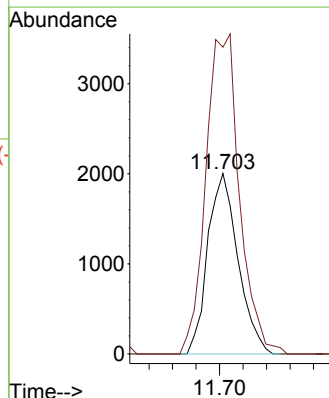
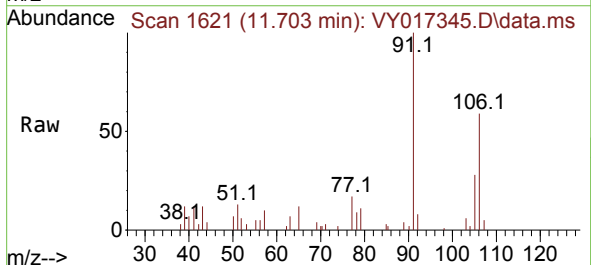
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-02092024

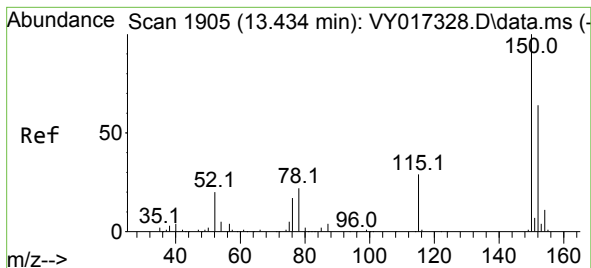
Tgt Ion:117 Resp: 150843
Ion Ratio Lower Upper
117 100
82 55.3 43.8 65.8
119 32.8 26.5 39.7



#68
m/p-Xylenes
Concen: 1.796 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.006 min
Lab File: VY017345.D
Acq: 09 Feb 2024 17:32

Tgt Ion:106 Resp: 3585
Ion Ratio Lower Upper
106 100
91 197.0 160.7 241.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1905

Delta R.T. -0.006 min

Lab File: VY017345.D

Acq: 09 Feb 2024 17:32

Instrument :

MSVOA_Y

ClientSampleId :

OR-02-02092024

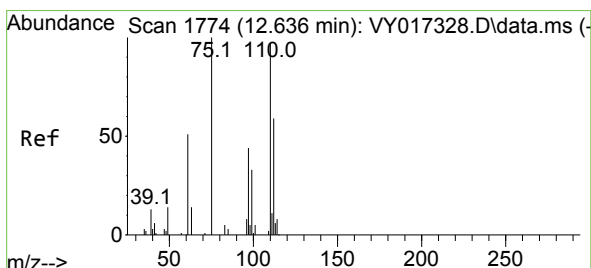
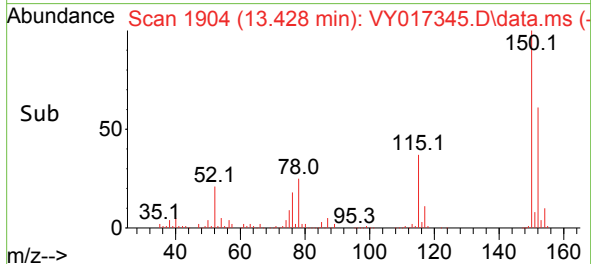
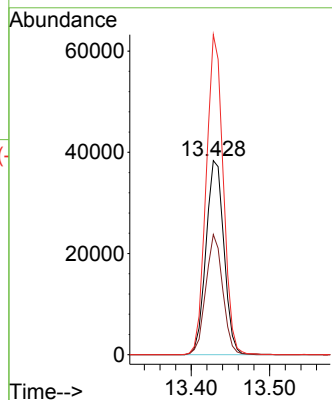
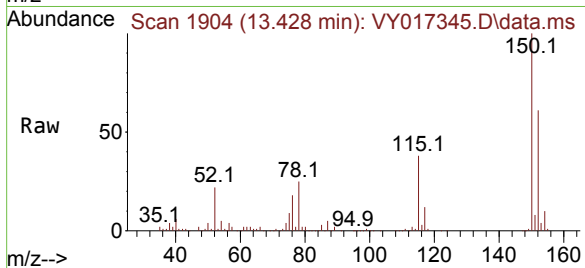
Tgt Ion:152 Resp: 61038

Ion Ratio Lower Upper

152 100

115 58.5 30.0 90.0

150 156.2 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 43.566 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.152 min

Lab File: VY017345.D

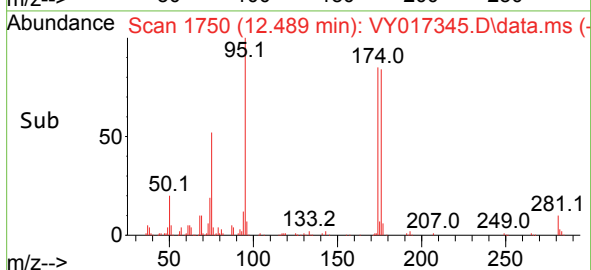
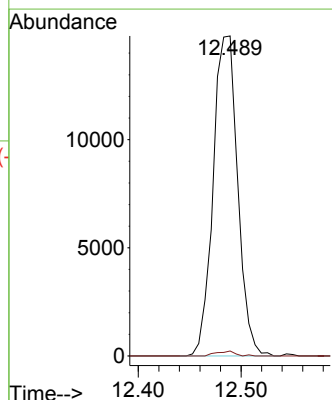
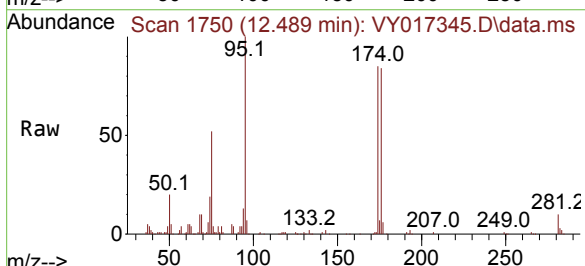
Acq: 09 Feb 2024 17:32

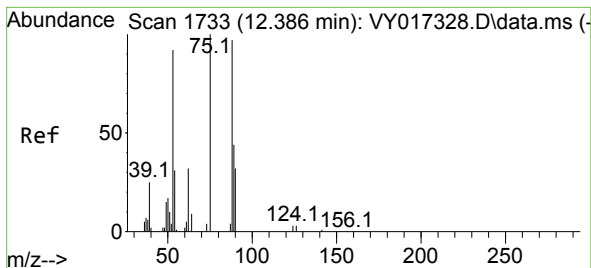
Tgt Ion: 75 Resp: 24544

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#

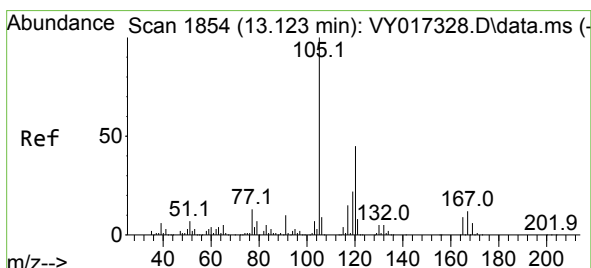
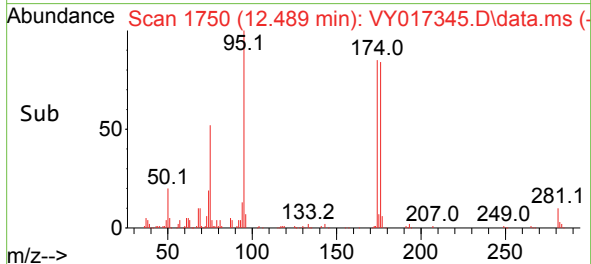
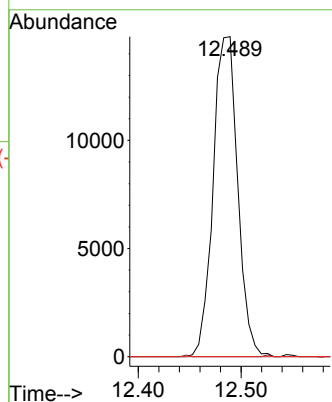
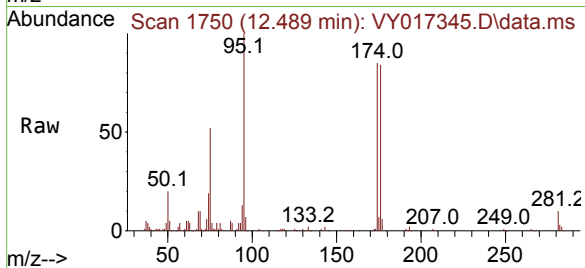




#81
trans-1,4-Dichloro-2-butene
Concen: 90.525 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY017345.D
Acq: 09 Feb 2024 17:32

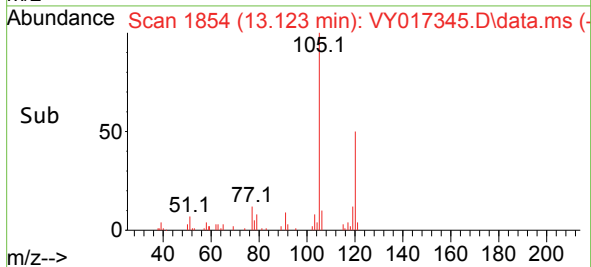
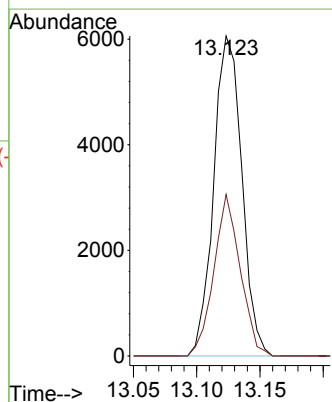
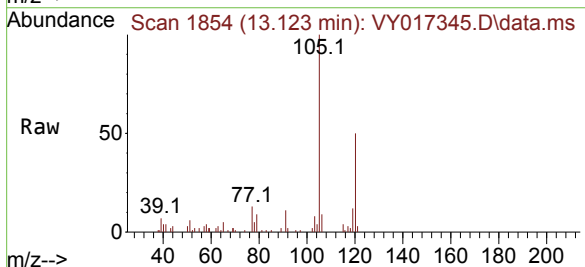
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-02092024

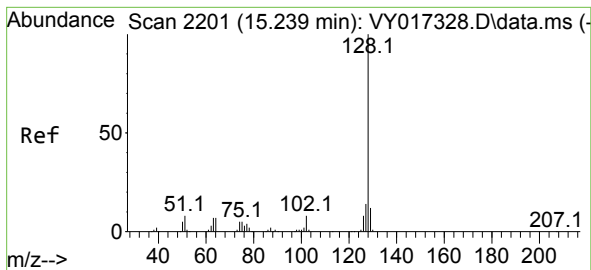
Tgt Ion: 75 Resp: 24544
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#



#84
1,2,4-Trimethylbenzene
Concen: 2.659 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.006 min
Lab File: VY017345.D
Acq: 09 Feb 2024 17:32

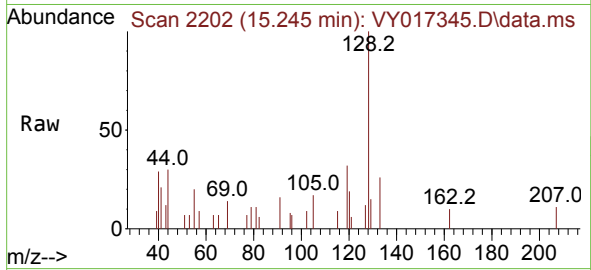
Tgt Ion: 105 Resp: 9361
Ion Ratio Lower Upper
105 100
120 47.3 22.1 66.3





#95
Naphthalene
Concen: 4.267 ug/l
RT: 15.245 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY017345.D
Acq: 09 Feb 2024 17:32

Instrument :
MSVOA_Y
ClientSampleId :
OR-02-02092024



Tgt Ion:128 Resp: 1459
Ion Ratio Lower Upper
128 100
127 9.5 10.2 15.4#
129 16.4 8.6 12.8#

