

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020924\
 Data File : VY017346.D
 Acq On : 09 Feb 2024 17:56
 Operator : SY/MD
 Sample : P1451-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-01-02092024

Quant Time: Feb 09 22:06:26 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)

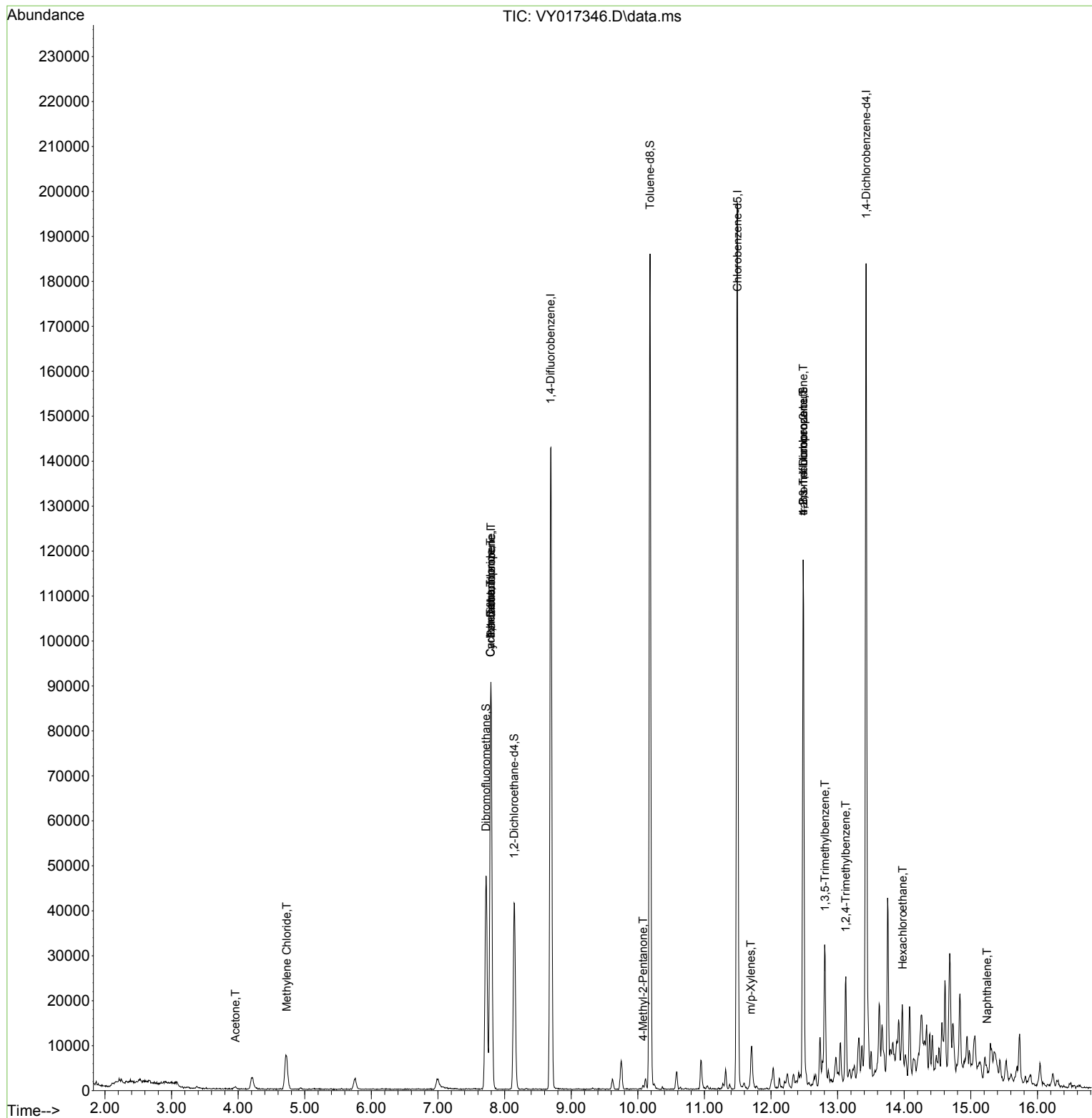
Internal Standards						
1) Pentafluorobenzene	7.795	168	70927	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	125612	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	108506	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	43538	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	31705	50.038	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.080%			
35) Dibromofluoromethane	7.722	113	33577	49.507	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.020%			
50) Toluene-d8	10.185	98	122391	49.564	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.120%			
62) 4-Bromofluorobenzene	12.483	95	33593	41.528	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 83.060%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.948	59	165	Below Cal	#	75
16) Acetone	3.960	43	841	4.516	ug/l #	75
20) Methylene Chloride	4.729	84	5957	4.631	ug/l	89
31) Cyclohexane	7.789	56	1543	1.208	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	5820	4.975	ug/l #	50
38) Carbon Tetrachloride	7.789	117	7291	6.509	ug/l #	17
51) 4-Methyl-2-Pentanone	10.081	43	523	1.016	ug/l #	50
68) m/p-Xylenes	11.697	106	1824	1.271	ug/l	98
76) 1,2,3-Trichloropropane	12.483	75	17422	43.355	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.813	105	3363	1.322	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.483	75	17422	90.085	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.123	105	12622	5.027	ug/l	99
90) Hexachloroethane	13.977	117	623	1.114	ug/l #	17
95) Naphthalene	15.245	128	1163	4.366	ug/l #	86

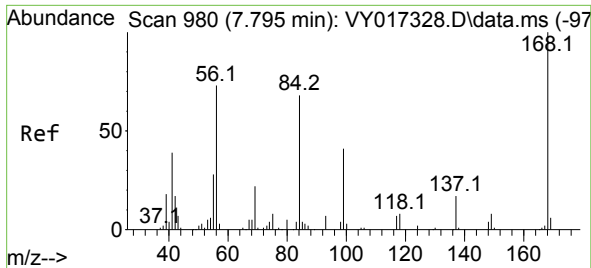
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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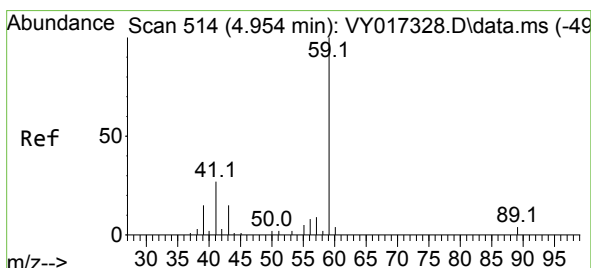
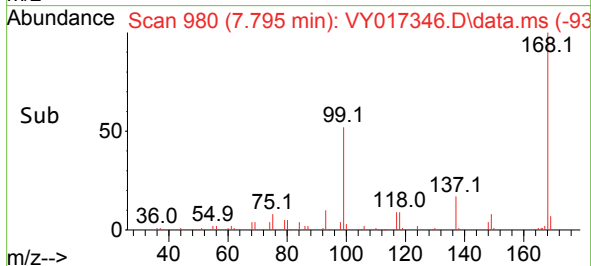
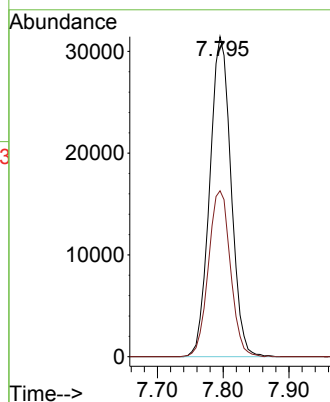
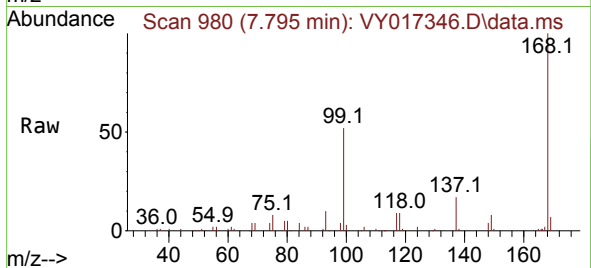




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY017346.D
Acq: 09 Feb 2024 17:56

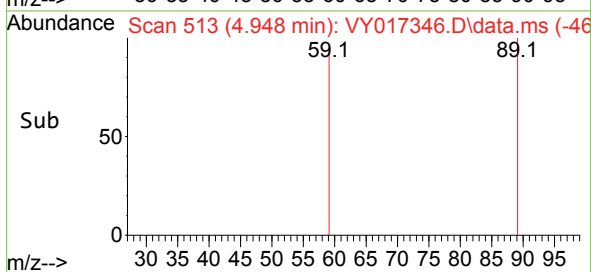
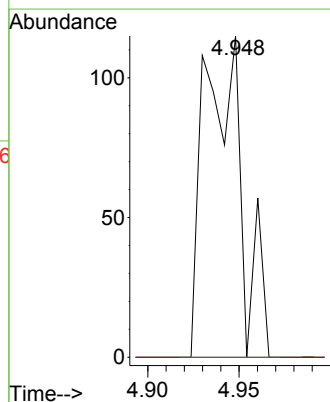
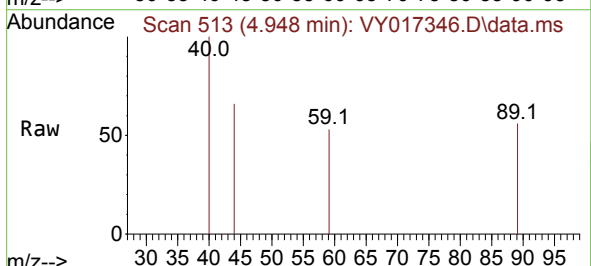
Instrument :
MSVOA_Y
ClientSampleId :
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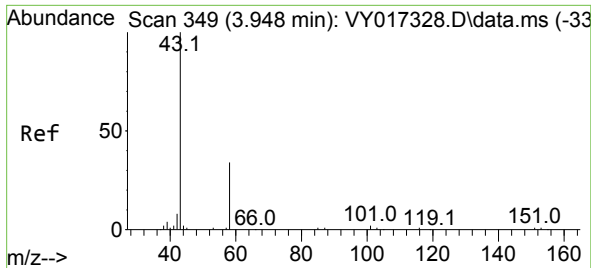
Tgt Ion:168 Resp: 70927
Ion Ratio Lower Upper
168 100
99 51.9 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.012 min
Lab File: VY017346.D
Acq: 09 Feb 2024 17:56

Tgt Ion: 59 Resp: 165
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#

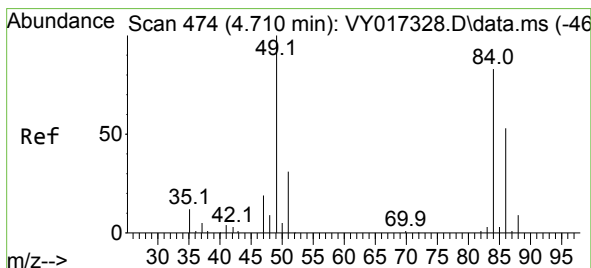
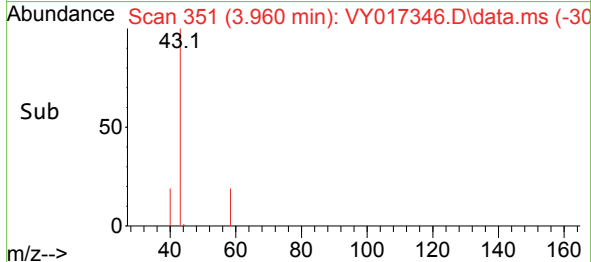
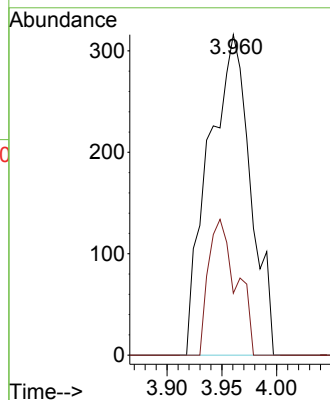
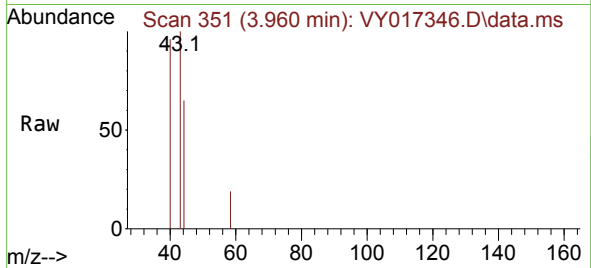




#16
Acetone
Concen: 4.516 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.013 min
Lab File: VY017346.D
Acq: 09 Feb 2024 17:56

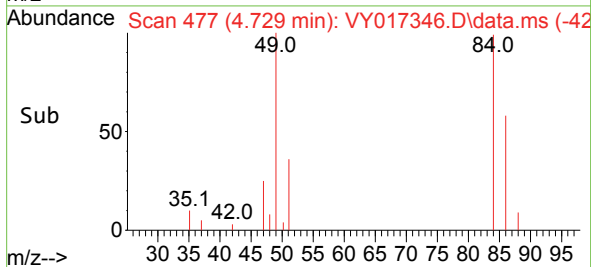
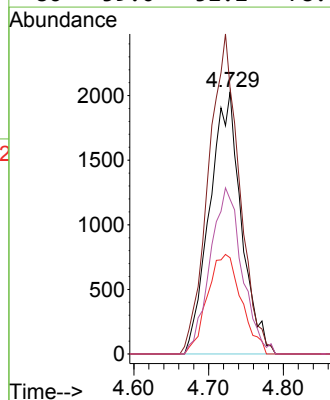
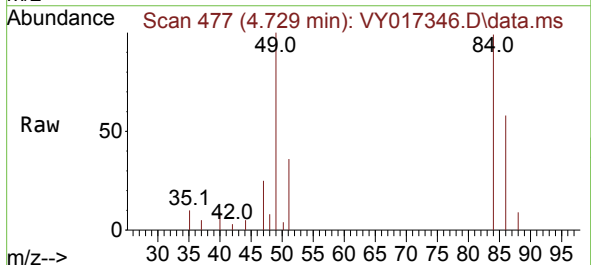
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-02092024

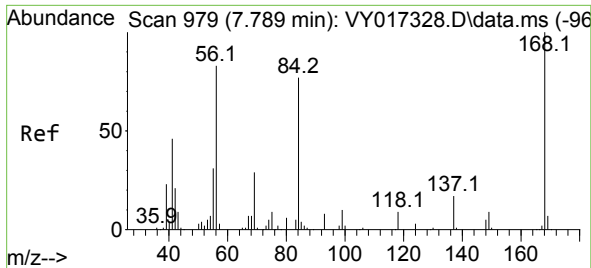
Tgt Ion: 43 Resp: 841
Ion Ratio Lower Upper
43 100
58 19.3 26.6 39.8#



#20
Methylene Chloride
Concen: 4.631 ug/l
RT: 4.729 min Scan# 477
Delta R.T. 0.001 min
Lab File: VY017346.D
Acq: 09 Feb 2024 17:56

Tgt Ion: 84 Resp: 5957
Ion Ratio Lower Upper
84 100
49 101.3 95.2 142.8
51 36.7 29.9 44.9
86 59.0 52.2 78.4

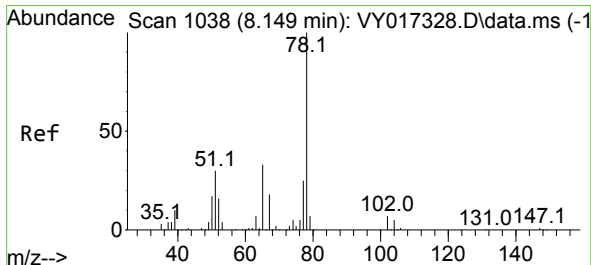
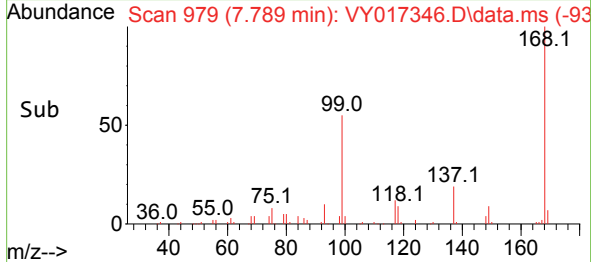
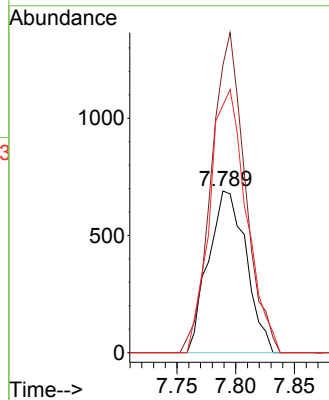
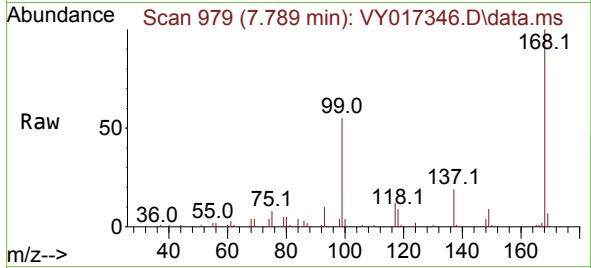




#31
Cyclohexane
Concen: 1.208 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017346.D
Acq: 09 Feb 2024 17:56

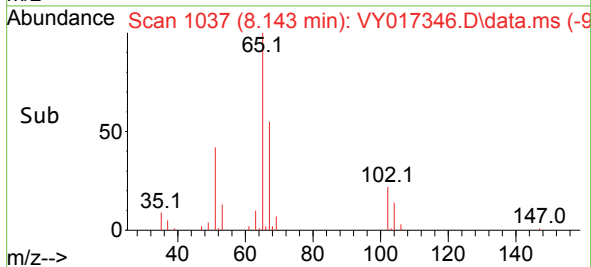
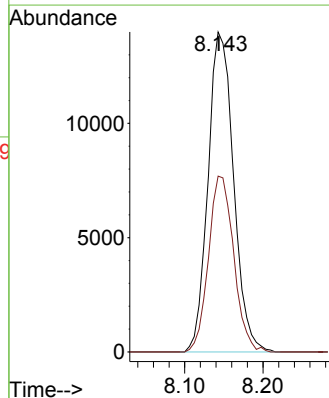
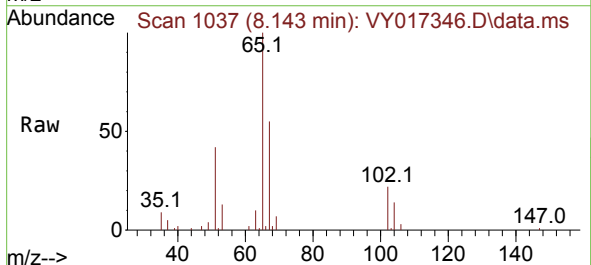
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-02092024

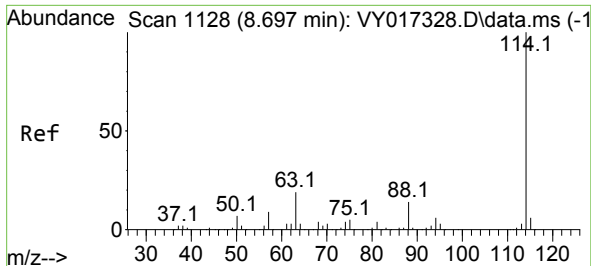
Tgt Ion: 56 Resp: 1543
Ion Ratio Lower Upper
56 100
69 177.8 27.0 40.6#
84 152.9 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 50.038 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VY017346.D
Acq: 09 Feb 2024 17:56

Tgt Ion: 65 Resp: 31705
Ion Ratio Lower Upper
65 100
67 54.3 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY017346.D

Acq: 09 Feb 2024 17:56

Instrument :

MSVOA_Y

ClientSampleId :

OK-01-02092024

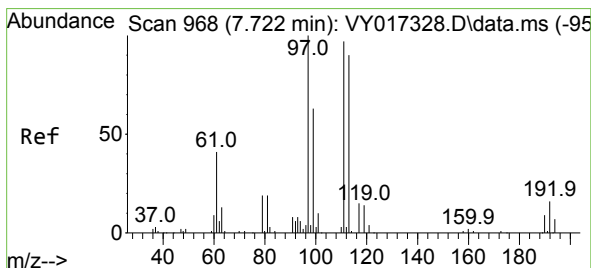
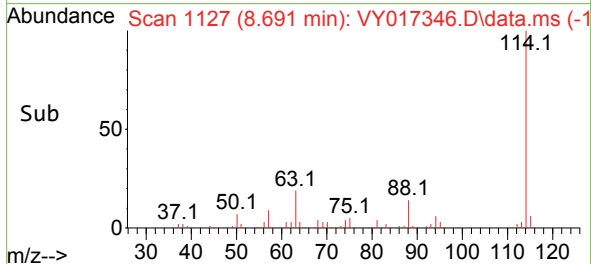
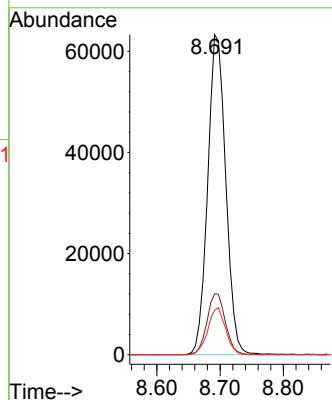
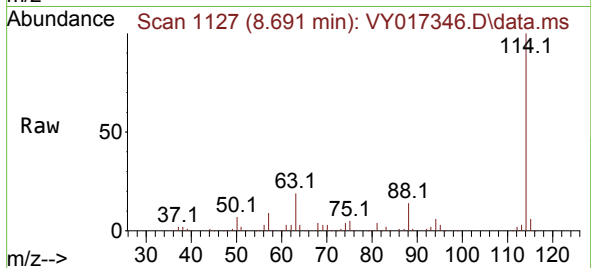
Tgt Ion:114 Resp: 125612

Ion Ratio Lower Upper

114 100

63 19.1 0.0 37.4

88 13.9 0.0 29.0



#35

Dibromofluoromethane

Concen: 49.507 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.006 min

Lab File: VY017346.D

Acq: 09 Feb 2024 17:56

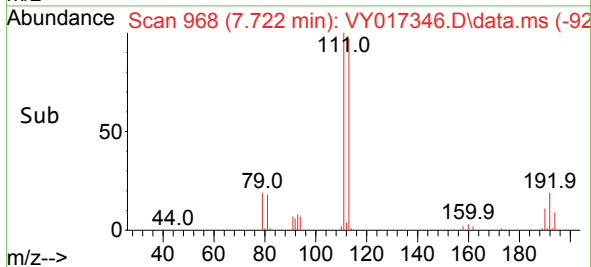
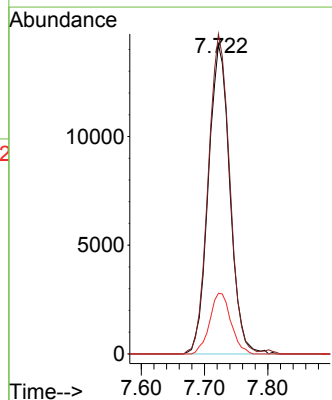
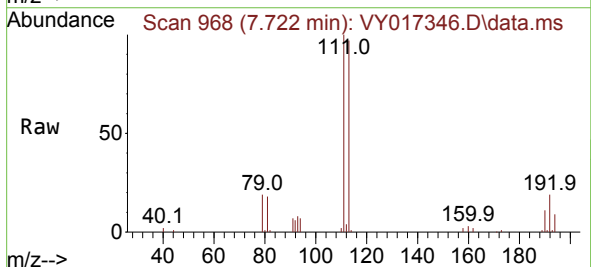
Tgt Ion:113 Resp: 33577

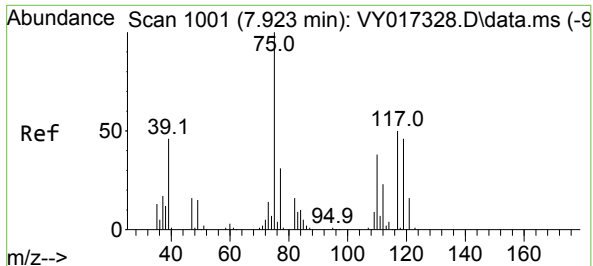
Ion Ratio Lower Upper

113 100

111 103.0 83.8 125.6

192 19.4 14.5 21.7

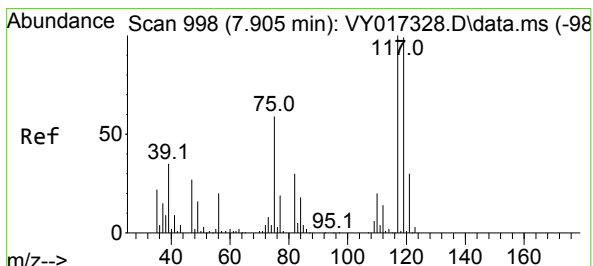
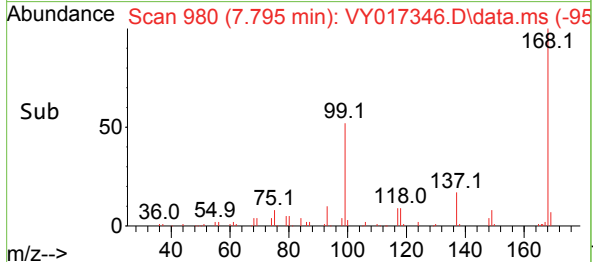
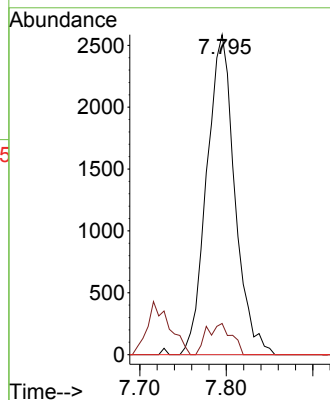
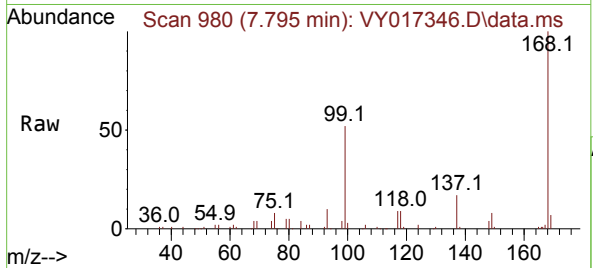




#36
 1,1-Dichloropropene
 Concen: 4.975 ug/l
 RT: 7.795 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY017346.D
 Acq: 09 Feb 2024 17:56

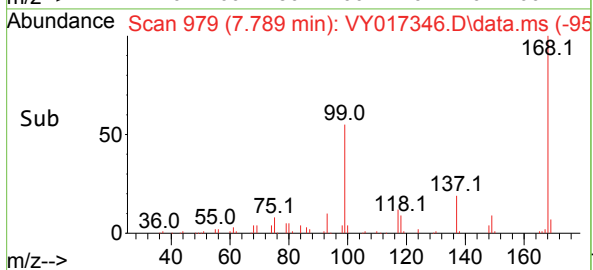
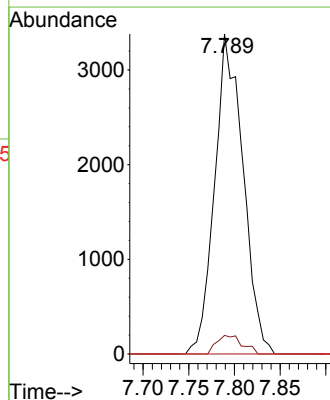
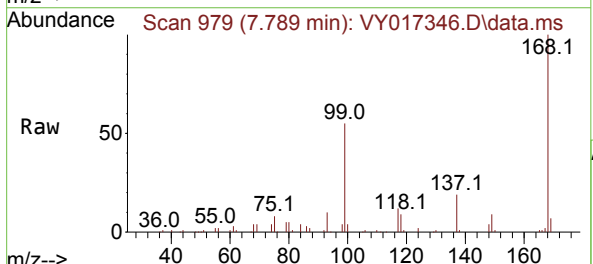
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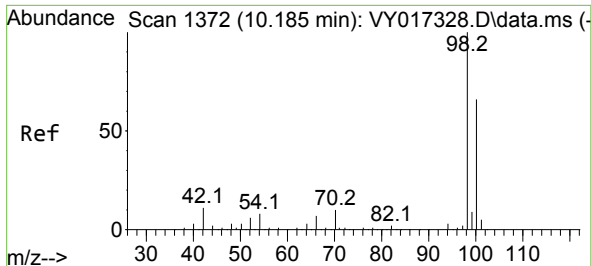
Tgt Ion: 75 Resp: 5820
 Ion Ratio Lower Upper
 75 100
 110 8.6 17.4 52.3#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.509 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.122 min
 Lab File: VY017346.D
 Acq: 09 Feb 2024 17:56

Tgt Ion: 117 Resp: 7291
 Ion Ratio Lower Upper
 117 100
 119 5.8 76.0 114.0#
 121 0.0 24.2 36.2#

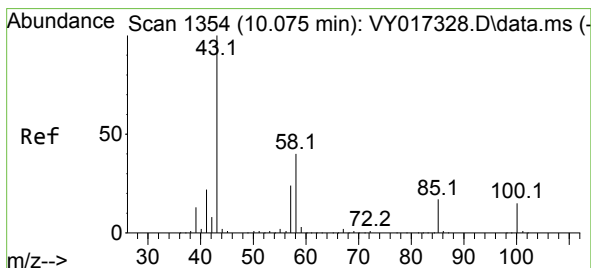
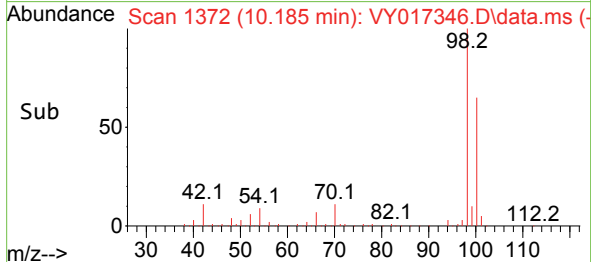
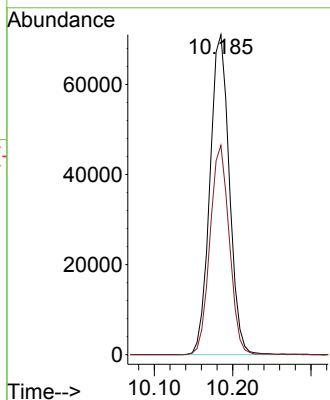
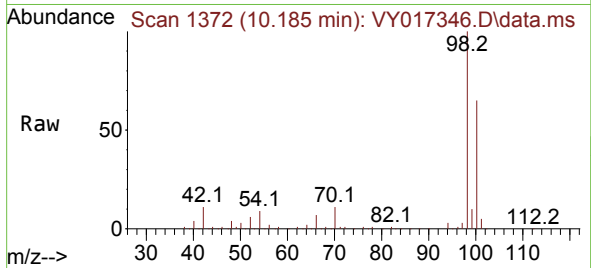




#50
Toluene-d8
Concen: 49.564 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY017346.D
Acq: 09 Feb 2024 17:56

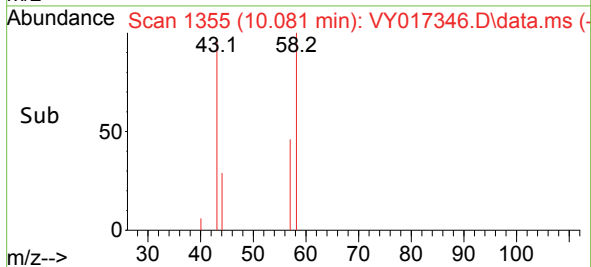
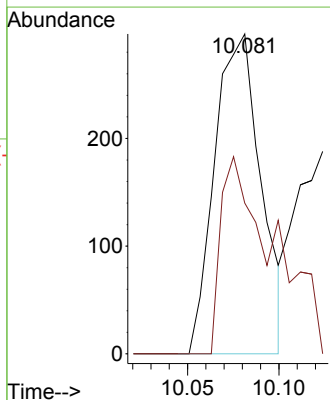
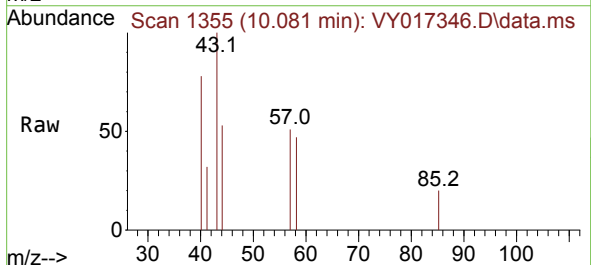
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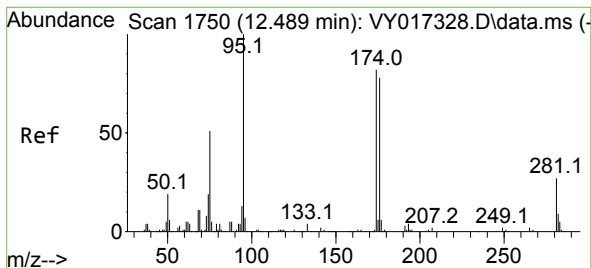
Tgt Ion: 98 Resp: 122391
Ion Ratio Lower Upper
98 100
100 65.0 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.016 ug/l
RT: 10.081 min Scan# 1355
Delta R.T. 0.007 min
Lab File: VY017346.D
Acq: 09 Feb 2024 17:56

Tgt Ion: 43 Resp: 523
Ion Ratio Lower Upper
43 100
58 71.1 32.2 48.2#

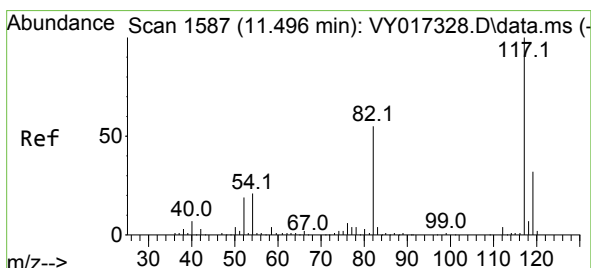
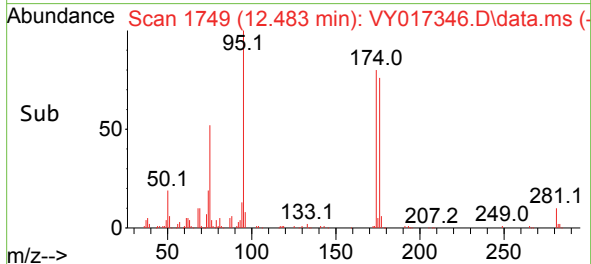
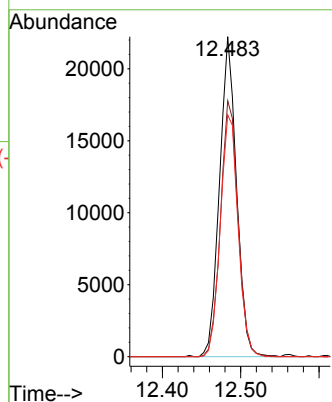
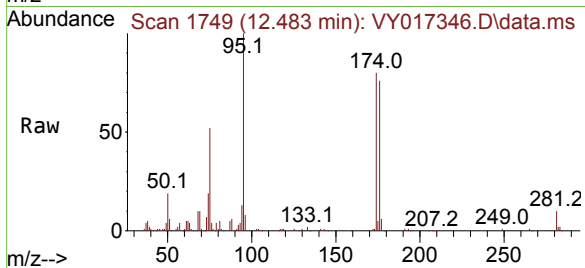




#62
4-Bromofluorobenzene
Concen: 41.528 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VY017346.D
Acq: 09 Feb 2024 17:56

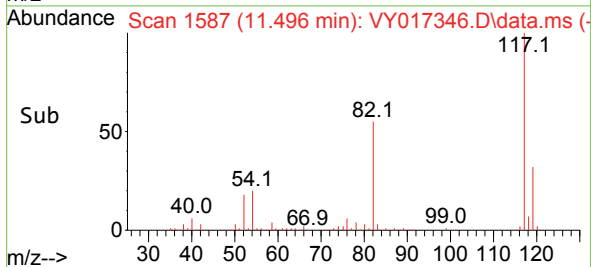
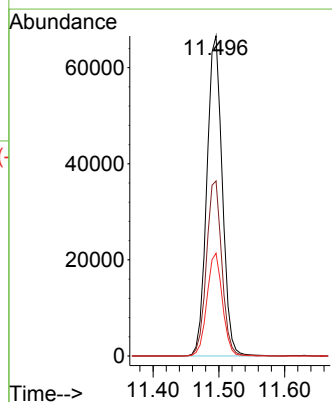
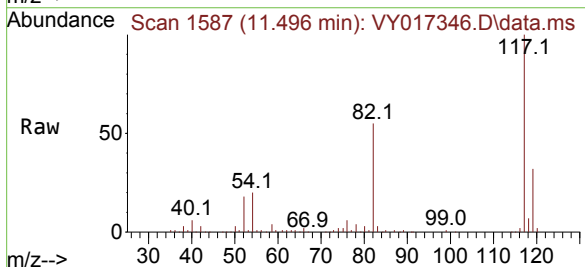
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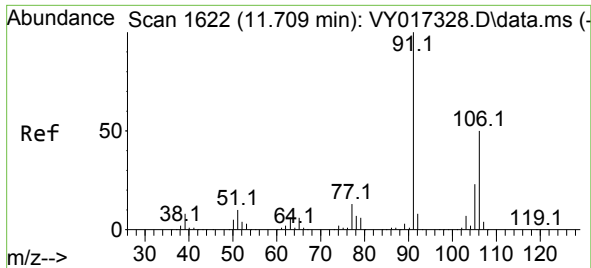
Tgt Ion: 95 Resp: 33593
Ion Ratio Lower Upper
95 100
174 82.5 0.0 160.0
176 78.8 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.006 min
Lab File: VY017346.D
Acq: 09 Feb 2024 17:56

Tgt Ion: 117 Resp: 108506
Ion Ratio Lower Upper
117 100
82 54.7 43.8 65.8
119 32.1 26.5 39.7

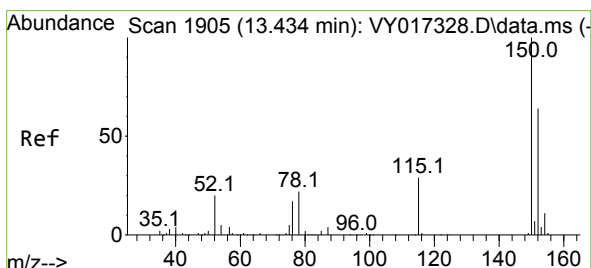
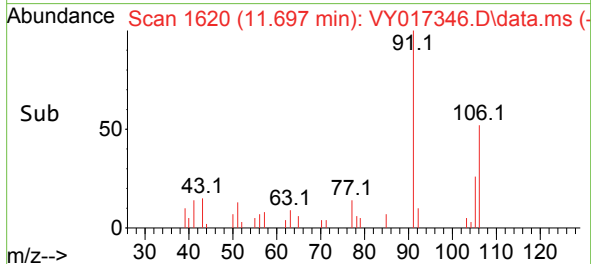
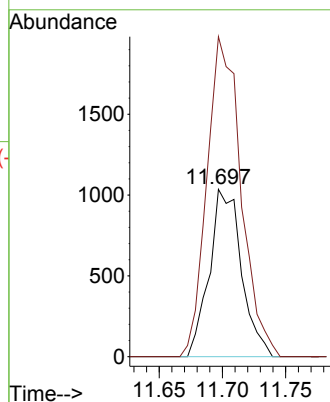
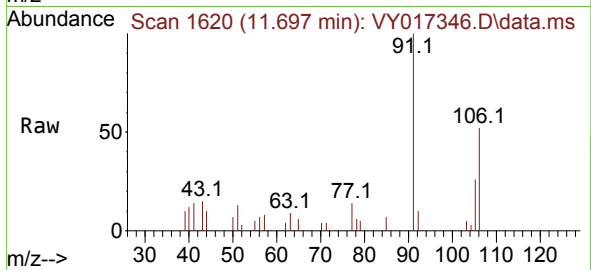




#68
m/p-Xylenes
Concen: 1.271 ug/l
RT: 11.697 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY017346.D
Acq: 09 Feb 2024 17:56

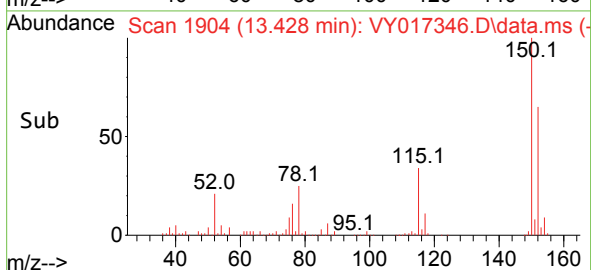
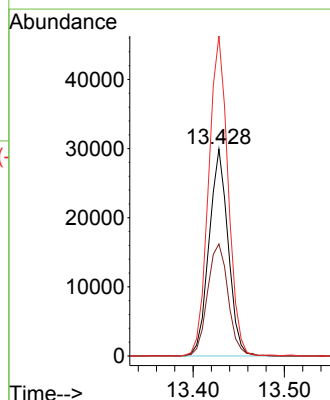
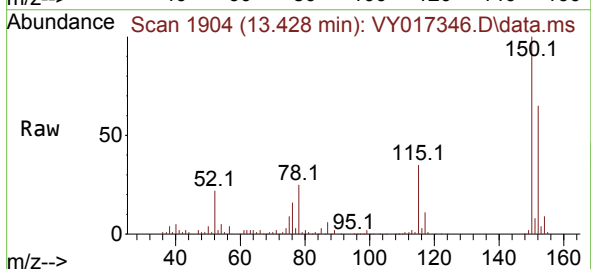
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-02092024

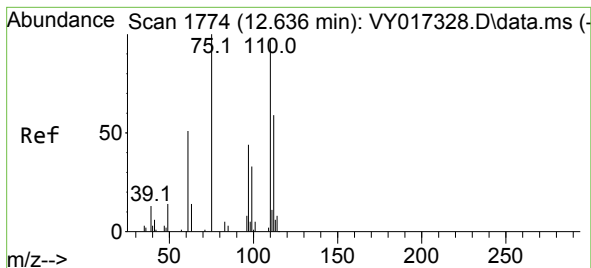
Tgt Ion:106 Resp: 1824
Ion Ratio Lower Upper
106 100
91 203.7 160.7 241.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY017346.D
Acq: 09 Feb 2024 17:56

Tgt Ion:152 Resp: 43538
Ion Ratio Lower Upper
152 100
115 58.6 30.0 90.0
150 157.5 0.0 344.6





#76

1,2,3-Trichloropropane

Concen: 43.355 ug/l

RT: 12.483 min Scan# 11

Delta R.T. -0.158 min

Lab File: VY017346.D

Acq: 09 Feb 2024 17:56

Instrument :

MSVOA_Y

ClientSampleId :

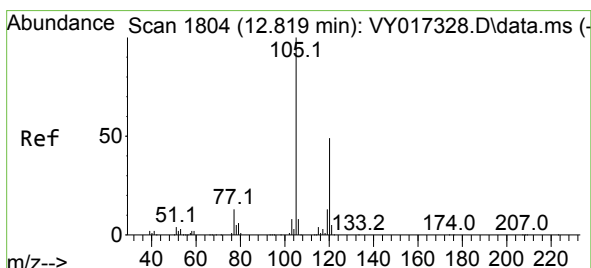
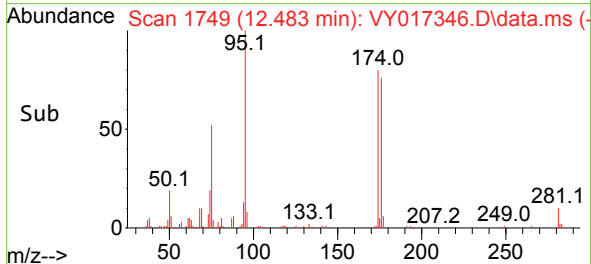
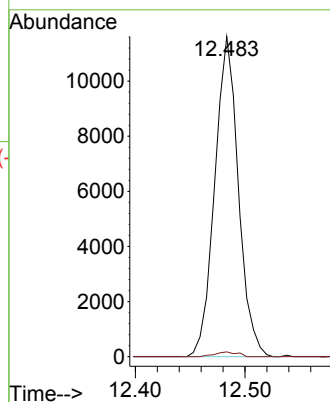
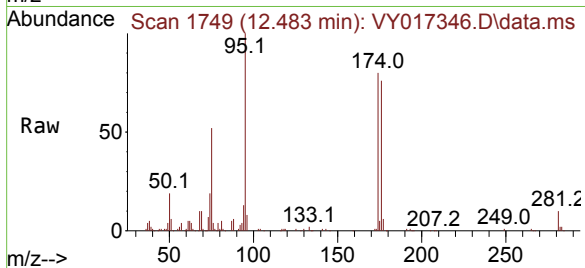
OK-01-02092024

Tgt Ion: 75 Resp: 17422

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 1.322 ug/l

RT: 12.813 min Scan# 1803

Delta R.T. -0.006 min

Lab File: VY017346.D

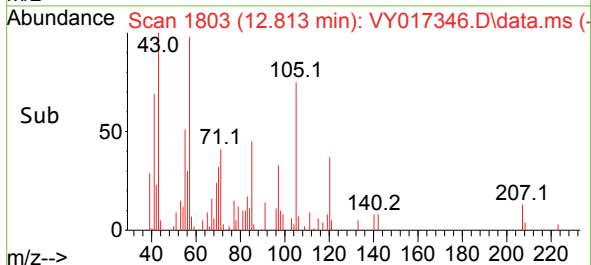
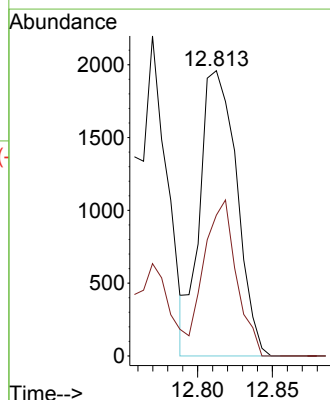
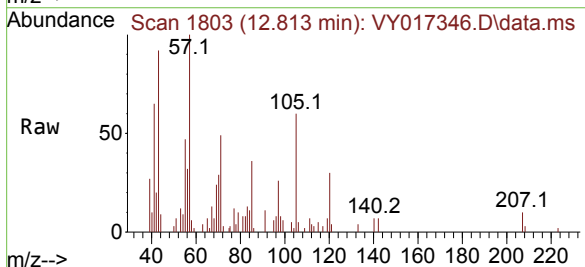
Acq: 09 Feb 2024 17:56

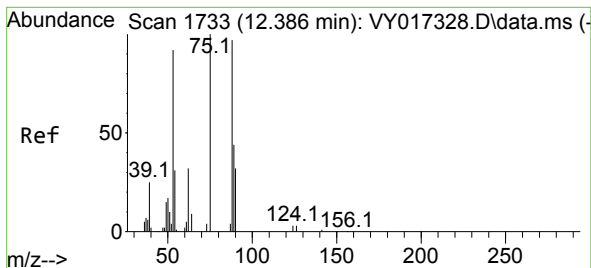
Tgt Ion:105 Resp: 3363

Ion Ratio Lower Upper

105 100

120 47.4 24.3 72.8

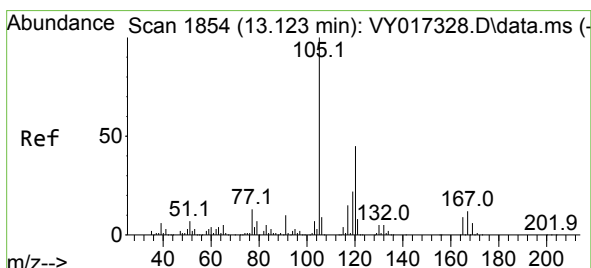
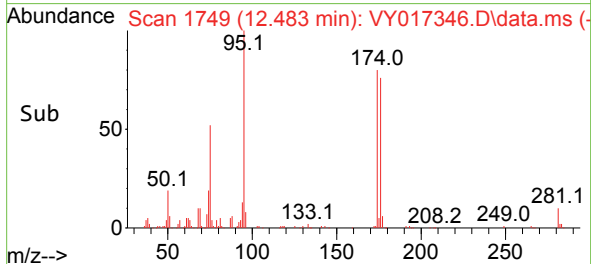
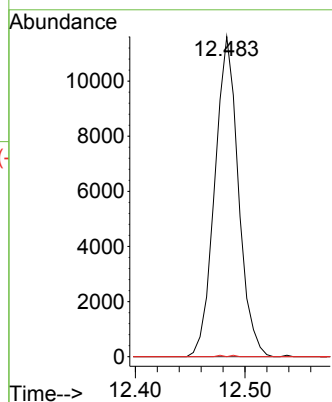
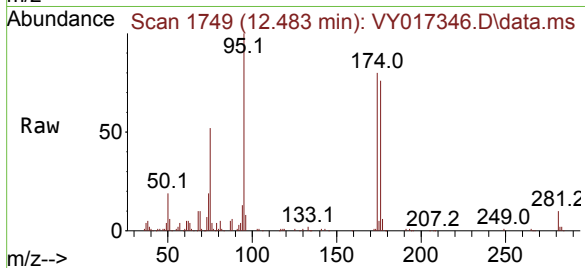




#81
trans-1,4-Dichloro-2-butene
Concen: 90.085 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.098 min
Lab File: VY017346.D
Acq: 09 Feb 2024 17:56

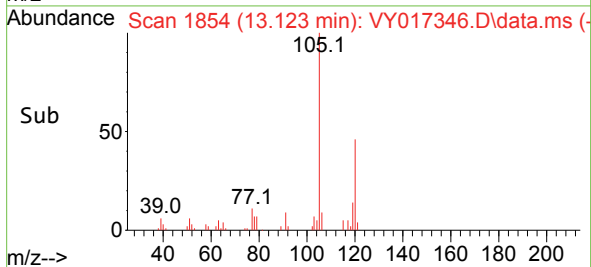
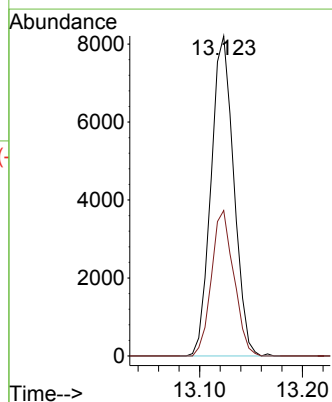
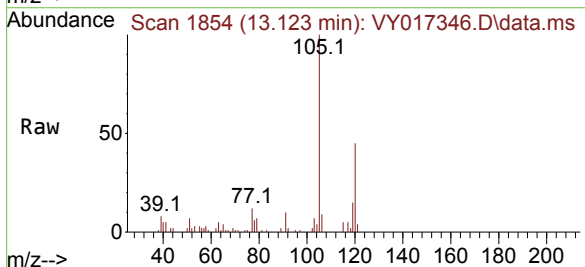
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-02092024

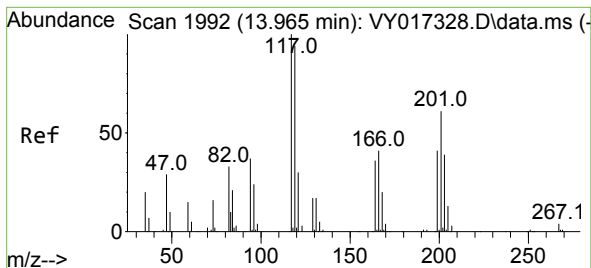
Tgt Ion: 75 Resp: 17422
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.2 36.5 54.7#



#84
1,2,4-Trimethylbenzene
Concen: 5.027 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.006 min
Lab File: VY017346.D
Acq: 09 Feb 2024 17:56

Tgt Ion: 105 Resp: 12622
Ion Ratio Lower Upper
105 100
120 44.7 22.1 66.3





#90

Hexachloroethane

Concen: 1.114 ug/l

RT: 13.977 min Scan# 1994

Delta R.T. 0.007 min

Lab File: VY017346.D

Acq: 09 Feb 2024 17:56

Instrument :

MSVOA_Y

ClientSampleId :

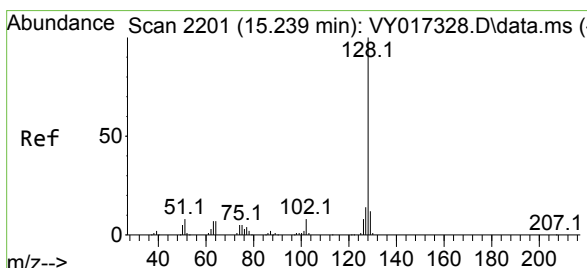
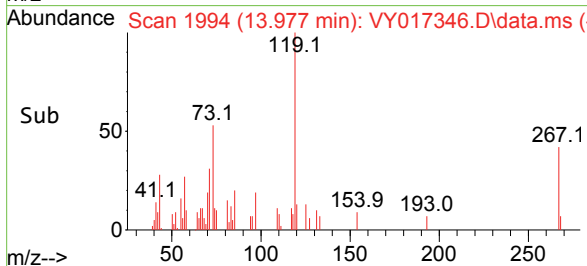
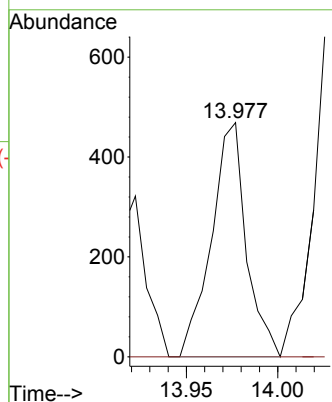
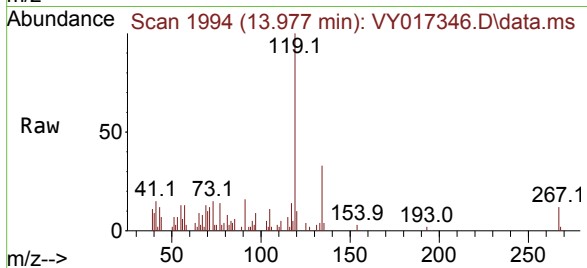
OK-01-02092024

Tgt Ion:117 Resp: 623

Ion Ratio Lower Upper

117 100

201 0.0 33.4 100.1#



#95

Naphthalene

Concen: 4.366 ug/l

RT: 15.245 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY017346.D

Acq: 09 Feb 2024 17:56

Tgt Ion:128 Resp: 1163

Ion Ratio Lower Upper

128 100

127 5.2 10.2 15.4#

129 7.6 8.6 12.8#

