

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020724\
 Data File : VY017296.D
 Acq On : 07 Feb 2024 18:00
 Operator : SY/MD
 Sample : P1336-01RE
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 356

Quant Time: Feb 08 01:46:02 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)

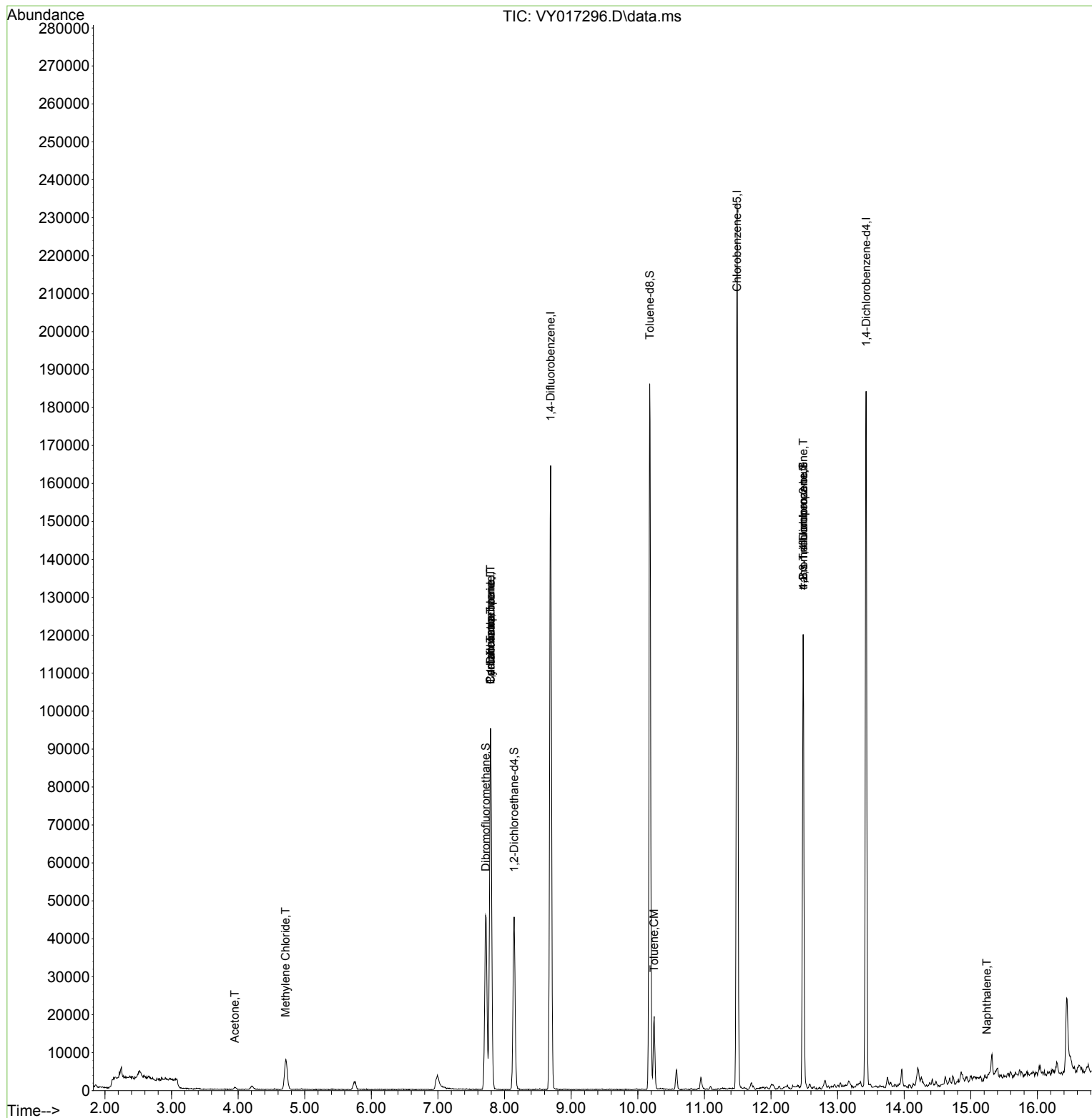
Internal Standards						
1) Pentafluorobenzene	7.789	168	68056	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	134964	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	117013	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.428	152	43054	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	33517	55.129	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.260%			
35) Dibromofluoromethane	7.716	113	32723	44.905	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 89.800%			
50) Toluene-d8	10.179	98	117662	44.347	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 88.700%			
62) 4-Bromofluorobenzene	12.483	95	32853	37.799	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 75.600%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	341	Below Cal	#	75
16) Acetone	3.948	43	1053	5.893	ug/l #	70
20) Methylene Chloride	4.710	84	5409	4.180	ug/l	91
31) Cyclohexane	7.789	56	1881	1.535	ug/l #	22
36) 1,1-Dichloropropene	7.789	75	6449	5.130	ug/l #	49
38) Carbon Tetrachloride	7.789	117	7250	6.024	ug/l #	17
52) Toluene	10.246	92	7699	3.553	ug/l	99
76) 1,2,3-Trichloropropane	12.483	75	18915	47.599	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	18915	98.904	ug/l #	12
95) Naphthalene	15.239	128	673	3.975	ug/l #	94

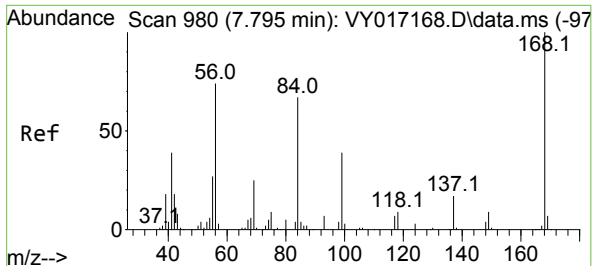
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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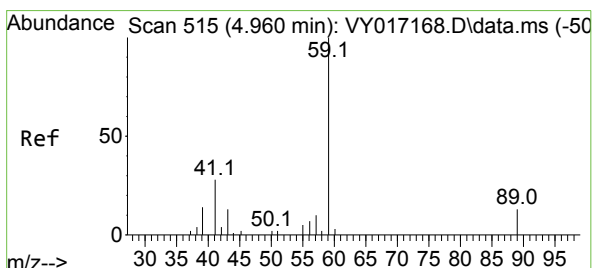
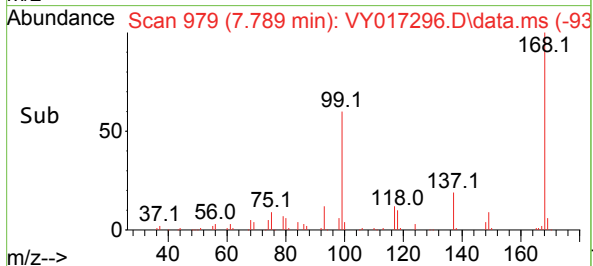
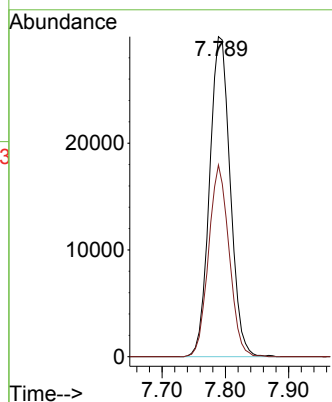
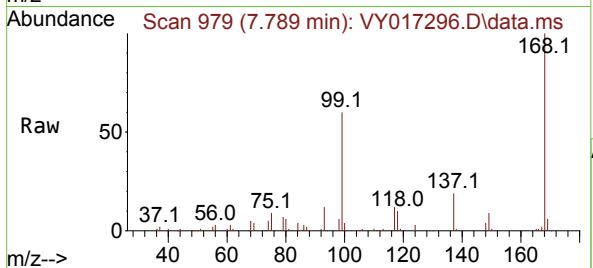




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017296.D
Acq: 07 Feb 2024 18:00

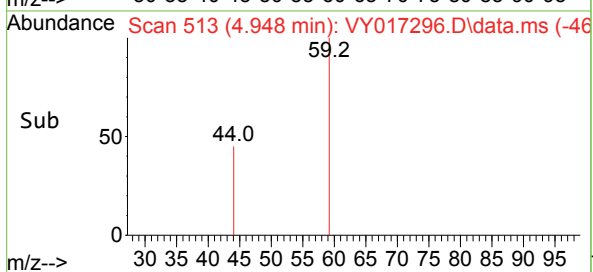
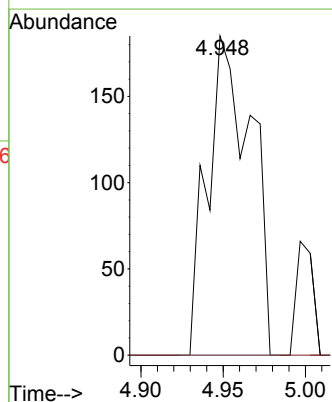
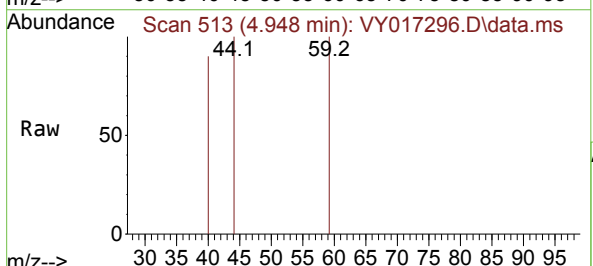
Instrument :
MSVOA_Y
ClientSampleId :
356

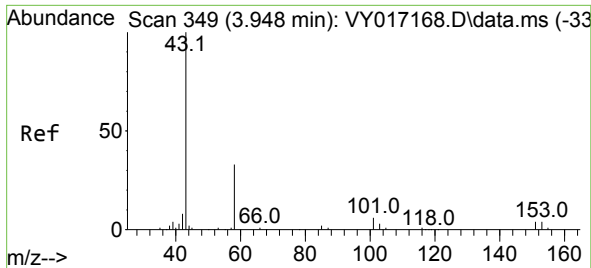
Tgt Ion:168 Resp: 68056
Ion Ratio Lower Upper
168 100
99 59.9 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.012 min
Lab File: VY017296.D
Acq: 07 Feb 2024 18:00

Tgt Ion: 59 Resp: 341
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: 5.893 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY017296.D

Acq: 07 Feb 2024 18:00

Instrument :

MSVOA_Y

ClientSampleId :

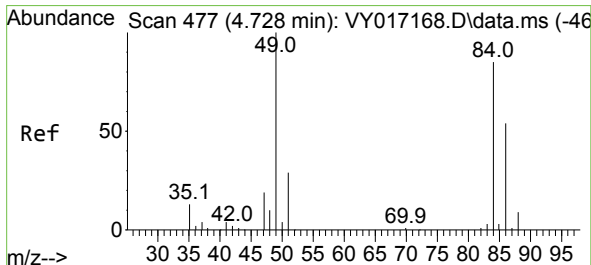
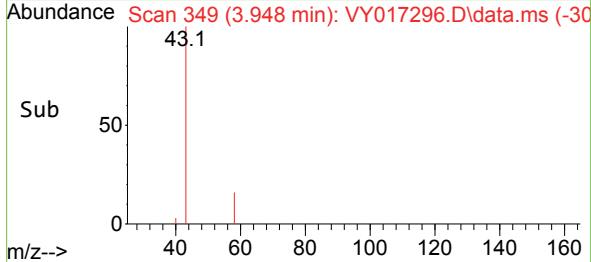
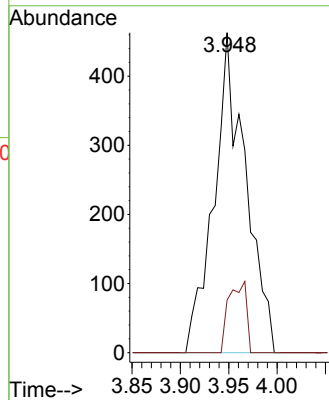
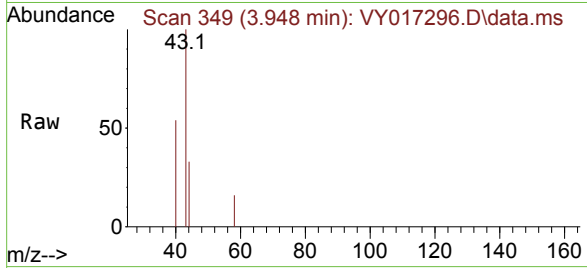
356

Tgt Ion: 43 Resp: 1053

Ion Ratio Lower Upper

43 100

58 16.4 26.6 39.8#



#20

Methylene Chloride

Concen: 4.180 ug/l

RT: 4.710 min Scan# 474

Delta R.T. -0.018 min

Lab File: VY017296.D

Acq: 07 Feb 2024 18:00

Tgt Ion: 84 Resp: 5409

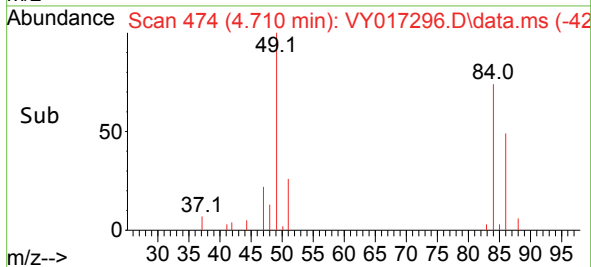
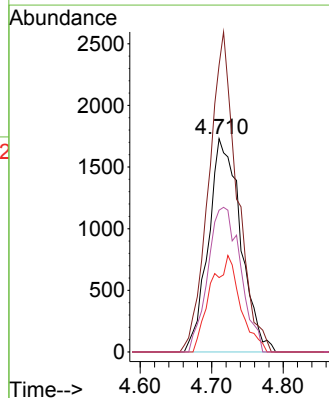
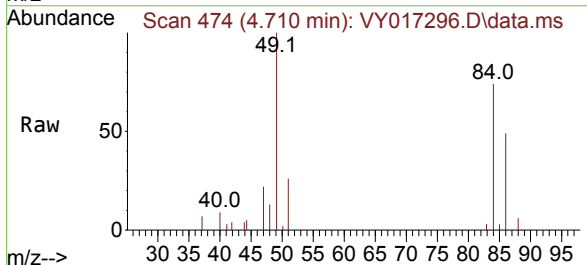
Ion Ratio Lower Upper

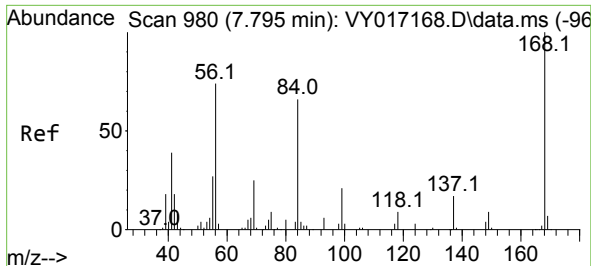
84 100

49 134.5 95.2 142.8

51 34.9 29.9 44.9

86 66.5 52.2 78.4

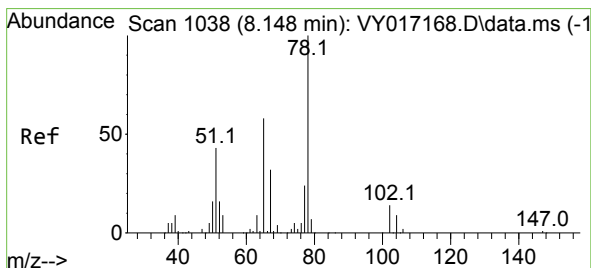
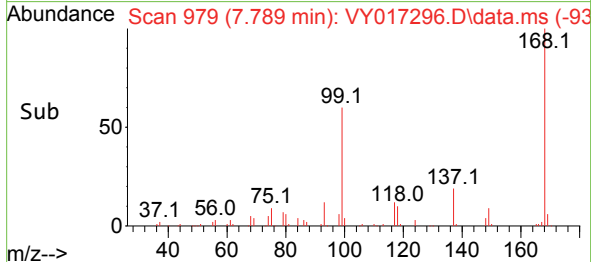
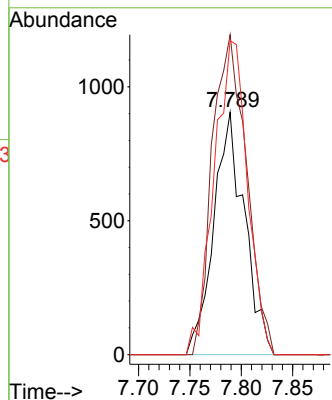
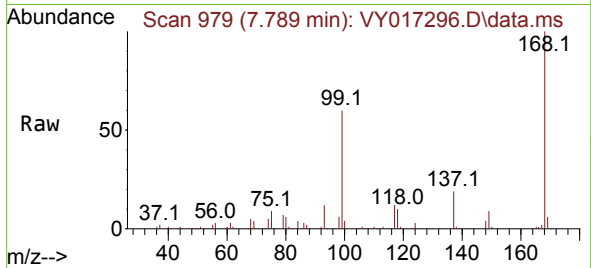




#31
Cyclohexane
Concen: 1.535 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017296.D
Acq: 07 Feb 2024 18:00

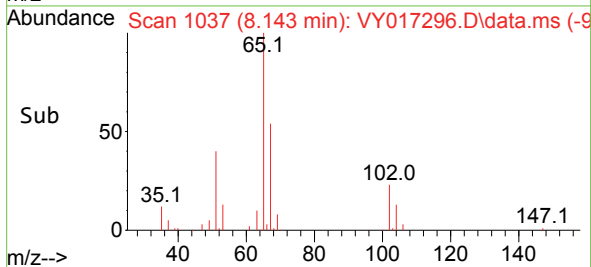
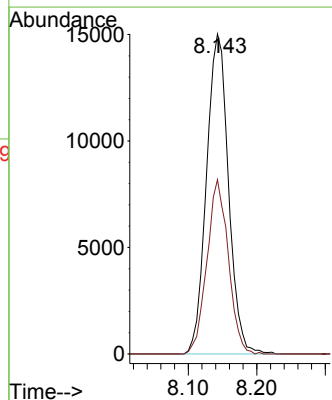
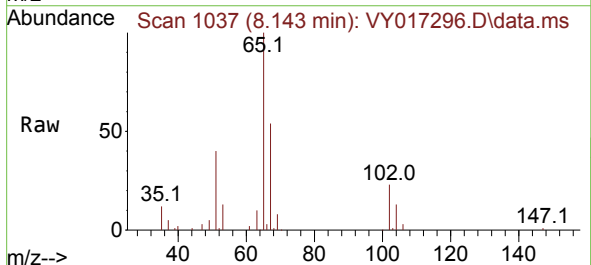
Instrument :
MSVOA_Y
ClientSampleId :
356

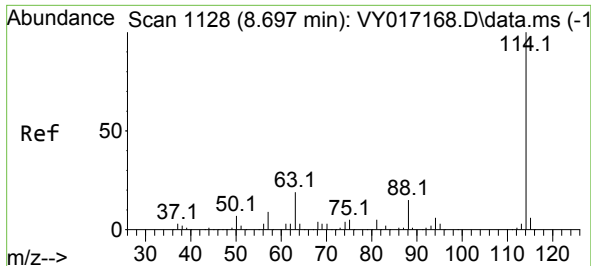
Tgt Ion: 56 Resp: 1881
Ion Ratio Lower Upper
56 100
69 132.0 27.0 40.6#
84 129.6 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 55.129 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VY017296.D
Acq: 07 Feb 2024 18:00

Tgt Ion: 65 Resp: 33517
Ion Ratio Lower Upper
65 100
67 52.9 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: VY017296.D

Acq: 07 Feb 2024 18:00

Instrument :

MSVOA_Y

ClientSampleId :

356

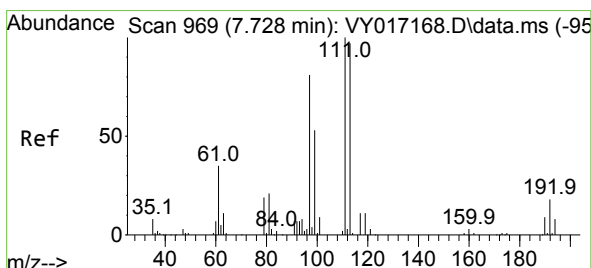
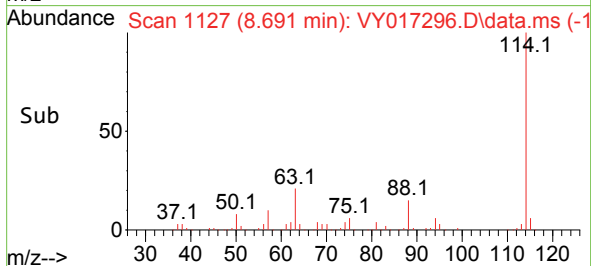
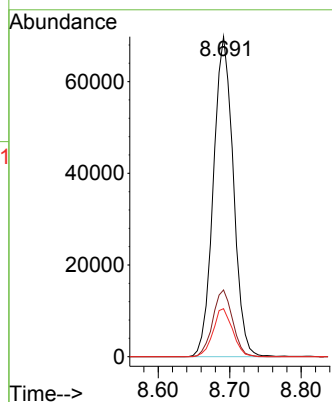
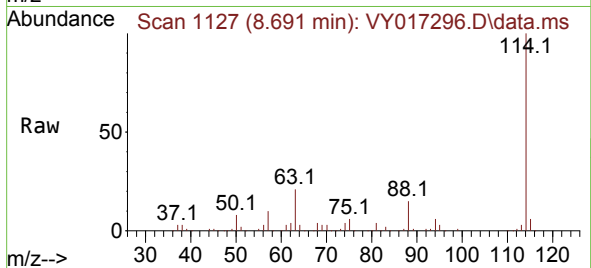
Tgt Ion:114 Resp: 134964

Ion Ratio Lower Upper

114 100

63 20.9 0.0 37.4

88 15.0 0.0 29.0



#35

Dibromofluoromethane

Concen: 44.905 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.012 min

Lab File: VY017296.D

Acq: 07 Feb 2024 18:00

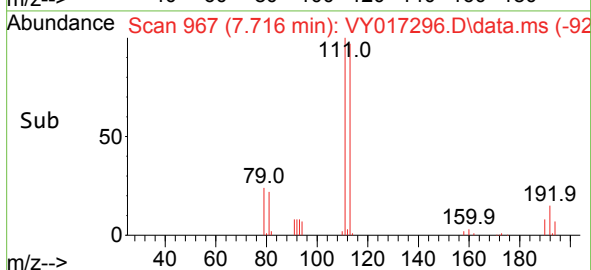
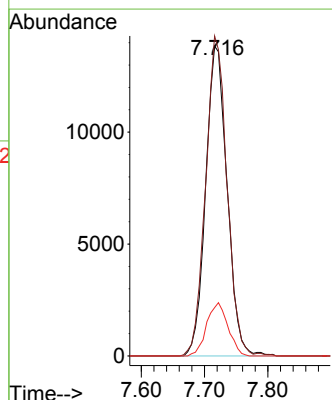
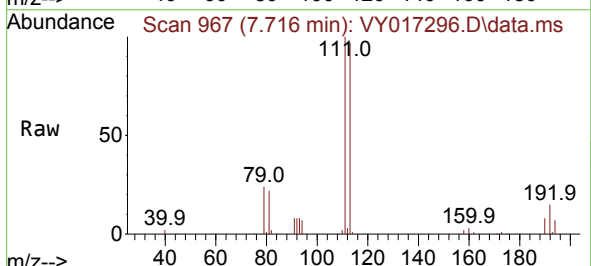
Tgt Ion:113 Resp: 32723

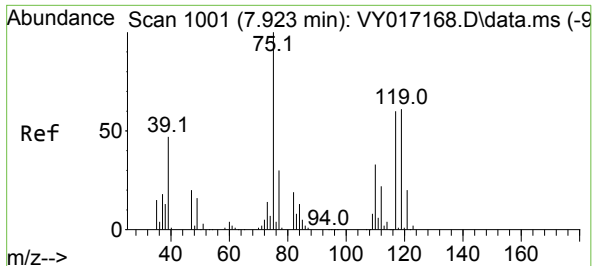
Ion Ratio Lower Upper

113 100

111 103.0 83.8 125.6

192 17.1 14.5 21.7





#36

1,1-Dichloropropene

Concen: 5.130 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY017296.D

Acq: 07 Feb 2024 18:00

Instrument :

MSVOA_Y

ClientSampleId :

356

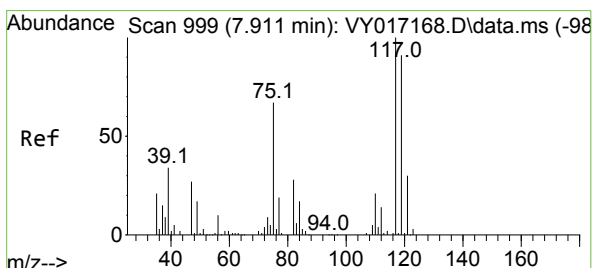
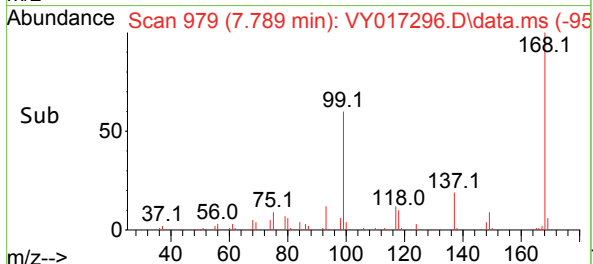
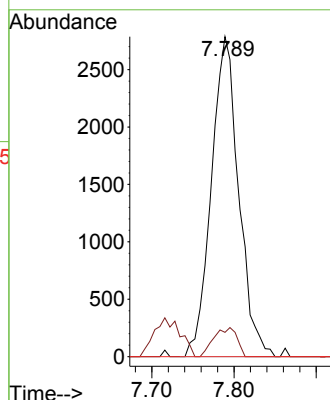
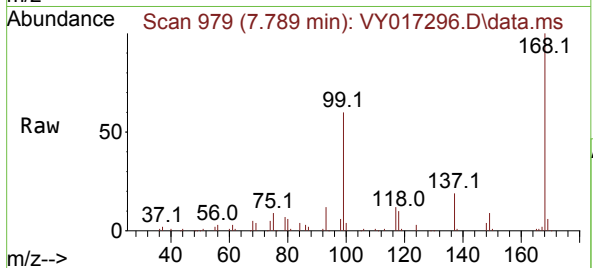
Tgt Ion: 75 Resp: 6449

Ion Ratio Lower Upper

75 100

110 7.7 17.4 52.3#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.024 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.121 min

Lab File: VY017296.D

Acq: 07 Feb 2024 18:00

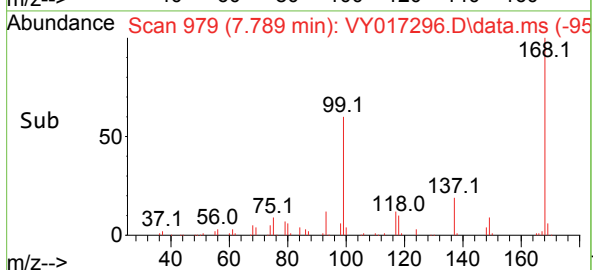
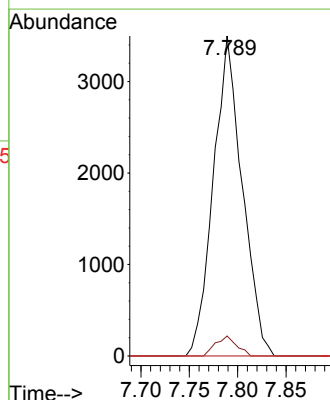
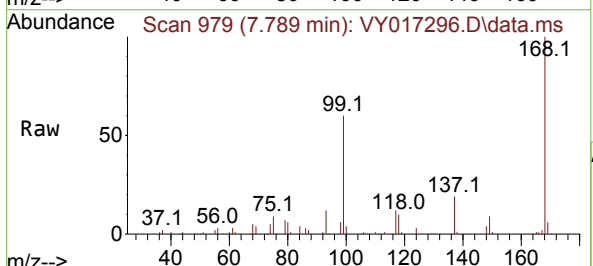
Tgt Ion: 117 Resp: 7250

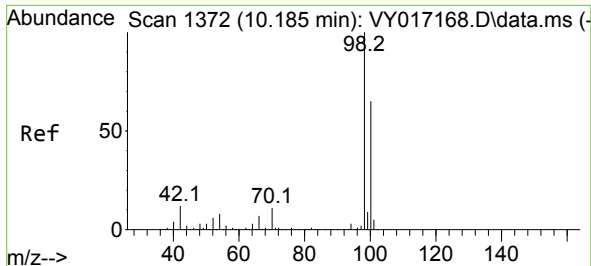
Ion Ratio Lower Upper

117 100

119 6.2 76.0 114.0#

121 0.0 24.2 36.2#

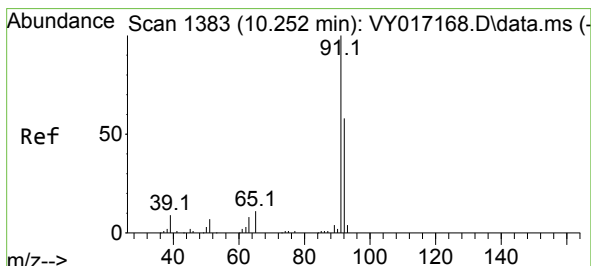
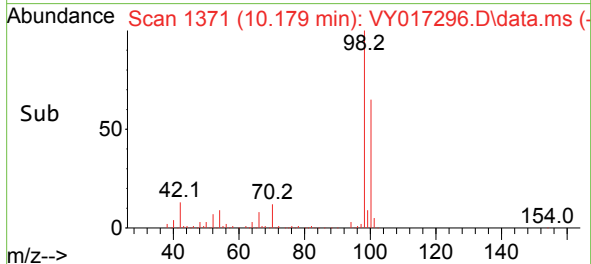
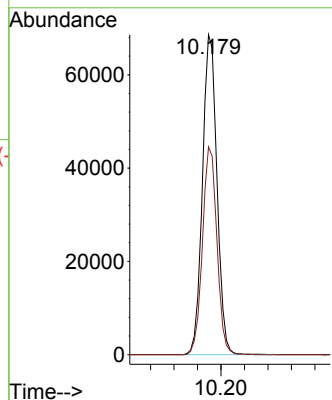
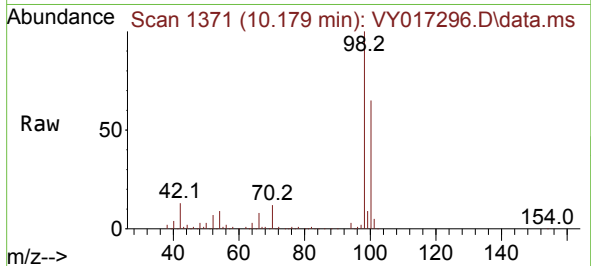




#50
Toluene-d8
Concen: 44.347 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY017296.D
Acq: 07 Feb 2024 18:00

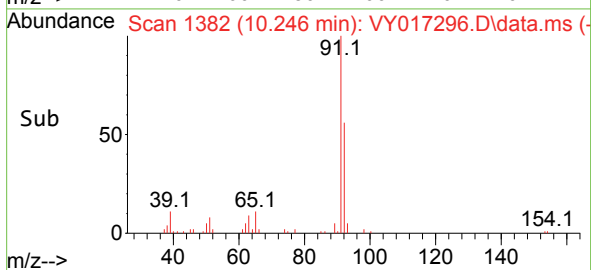
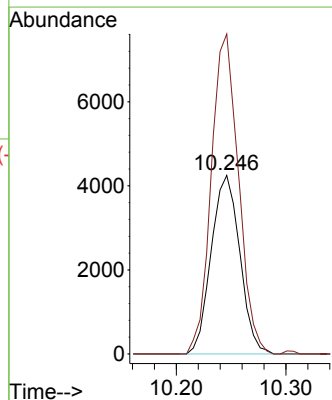
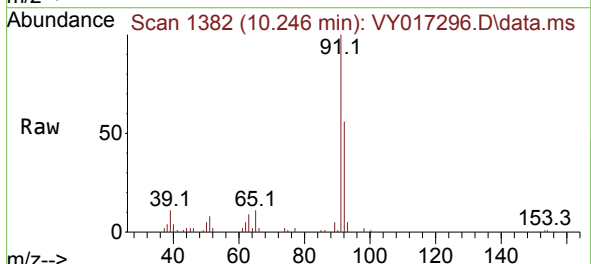
Instrument :
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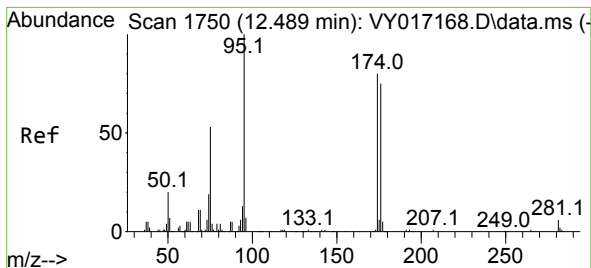
Tgt Ion: 98 Resp: 117662
Ion Ratio Lower Upper
98 100
100 64.8 52.3 78.5



#52
Toluene
Concen: 3.553 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.006 min
Lab File: VY017296.D
Acq: 07 Feb 2024 18:00

Tgt Ion: 92 Resp: 7699
Ion Ratio Lower Upper
92 100
91 170.6 137.6 206.4

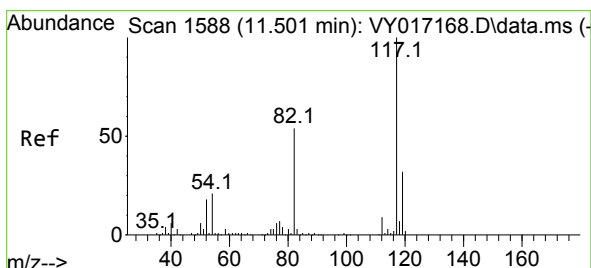
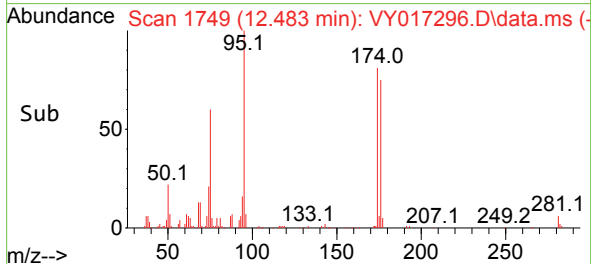
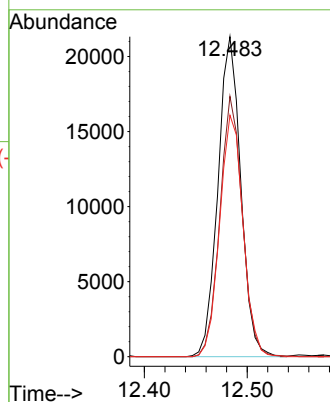
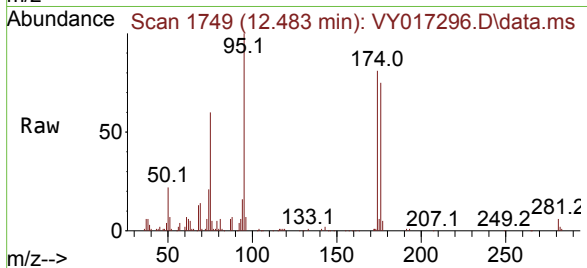




#62
4-Bromofluorobenzene
Concen: 37.799 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY017296.D
Acq: 07 Feb 2024 18:00

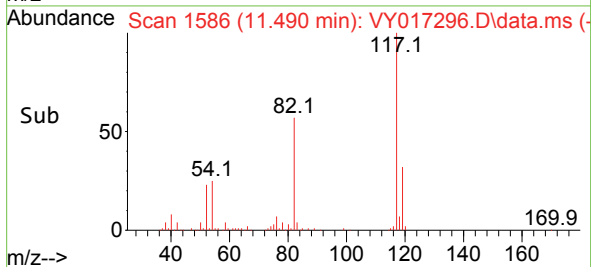
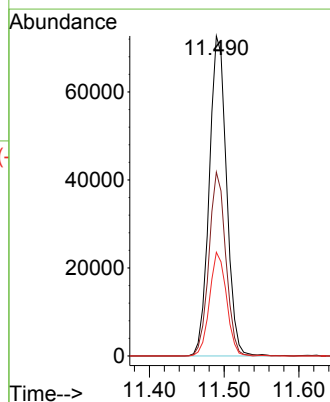
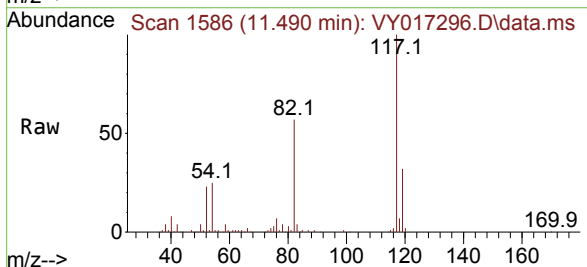
Instrument :
MSVOA_Y
ClientSampleId :
356

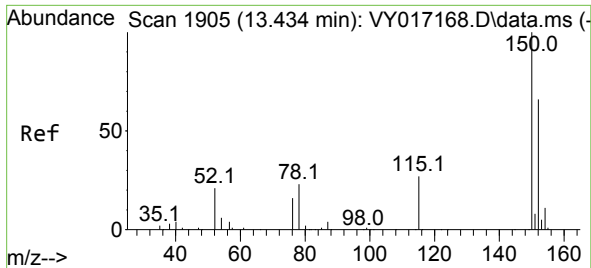
Tgt Ion: 95 Resp: 32853
Ion Ratio Lower Upper
95 100
174 80.2 0.0 160.0
176 77.1 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.012 min
Lab File: VY017296.D
Acq: 07 Feb 2024 18:00

Tgt Ion: 117 Resp: 117013
Ion Ratio Lower Upper
117 100
82 57.4 43.8 65.8
119 32.4 26.5 39.7

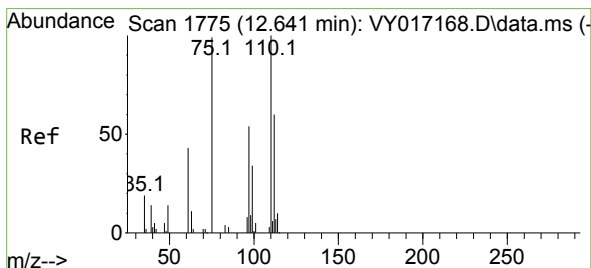
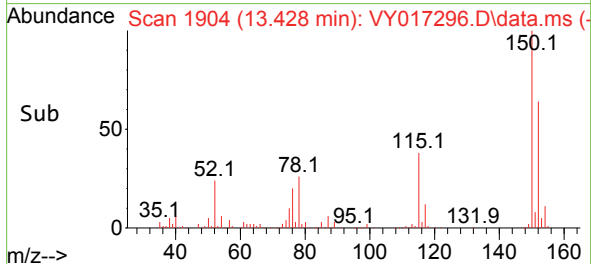
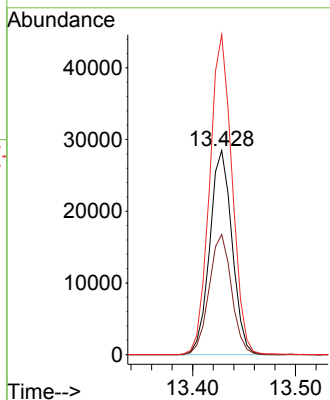
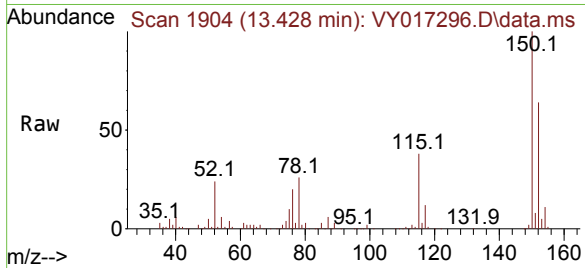




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1905
 Delta R.T. -0.006 min
 Lab File: VY017296.D
 Acq: 07 Feb 2024 18:00

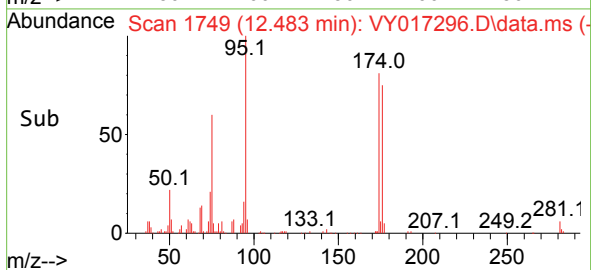
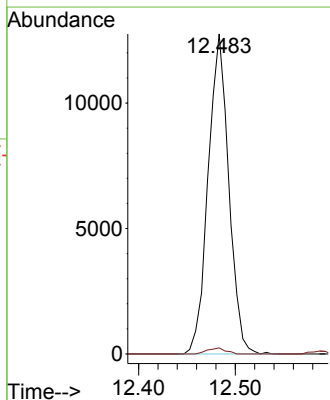
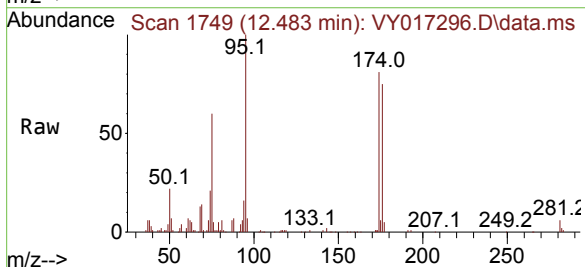
Instrument :
 MSVOA_Y
 ClientSampleId :
 356

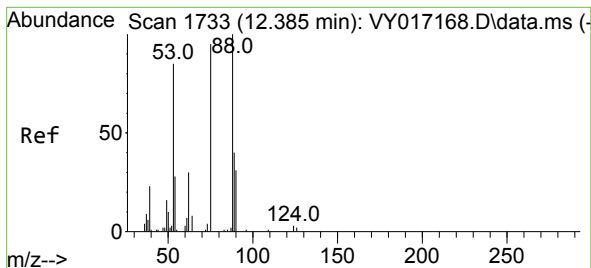
Tgt Ion:152 Resp: 43054
 Ion Ratio Lower Upper
 152 100
 115 59.2 30.0 90.0
 150 157.6 0.0 344.6



#76
 1,2,3-Trichloropropane
 Concen: 47.599 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.158 min
 Lab File: VY017296.D
 Acq: 07 Feb 2024 18:00

Tgt Ion: 75 Resp: 18915
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#

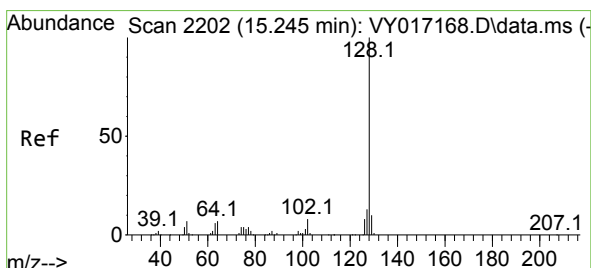
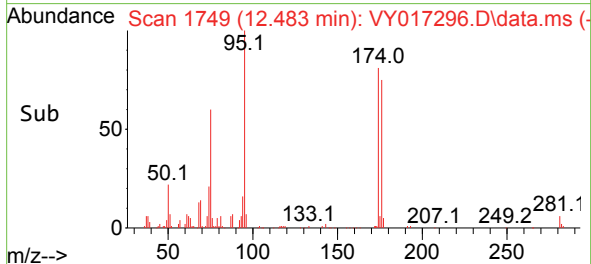
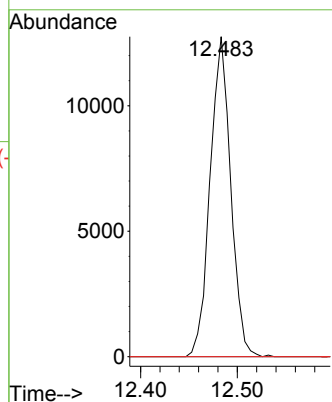
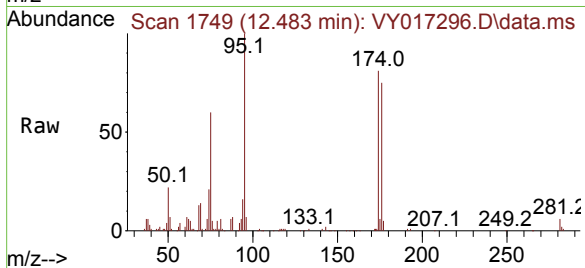




#81
 trans-1,4-Dichloro-2-butene
 Concen: 98.904 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY017296.D
 Acq: 07 Feb 2024 18:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 356

Tgt Ion: 75 Resp: 18915
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.0 111.0#
 89 0.0 36.5 54.7#



#95
 Naphthalene
 Concen: 3.975 ug/l
 RT: 15.239 min Scan# 2201
 Delta R.T. -0.006 min
 Lab File: VY017296.D
 Acq: 07 Feb 2024 18:00

Tgt Ion: 128 Resp: 673
 Ion Ratio Lower Upper
 128 100
 127 10.7 10.2 15.4
 129 8.2 8.6 12.8#

