

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030124\
 Data File : VY017556.D
 Acq On : 01 Mar 2024 17:25
 Operator : SY/MD
 Sample : P1639-21
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-7

Quant Time: Mar 02 00:21:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 24 04:41:20 2024
 Response via : Initial Calibration

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

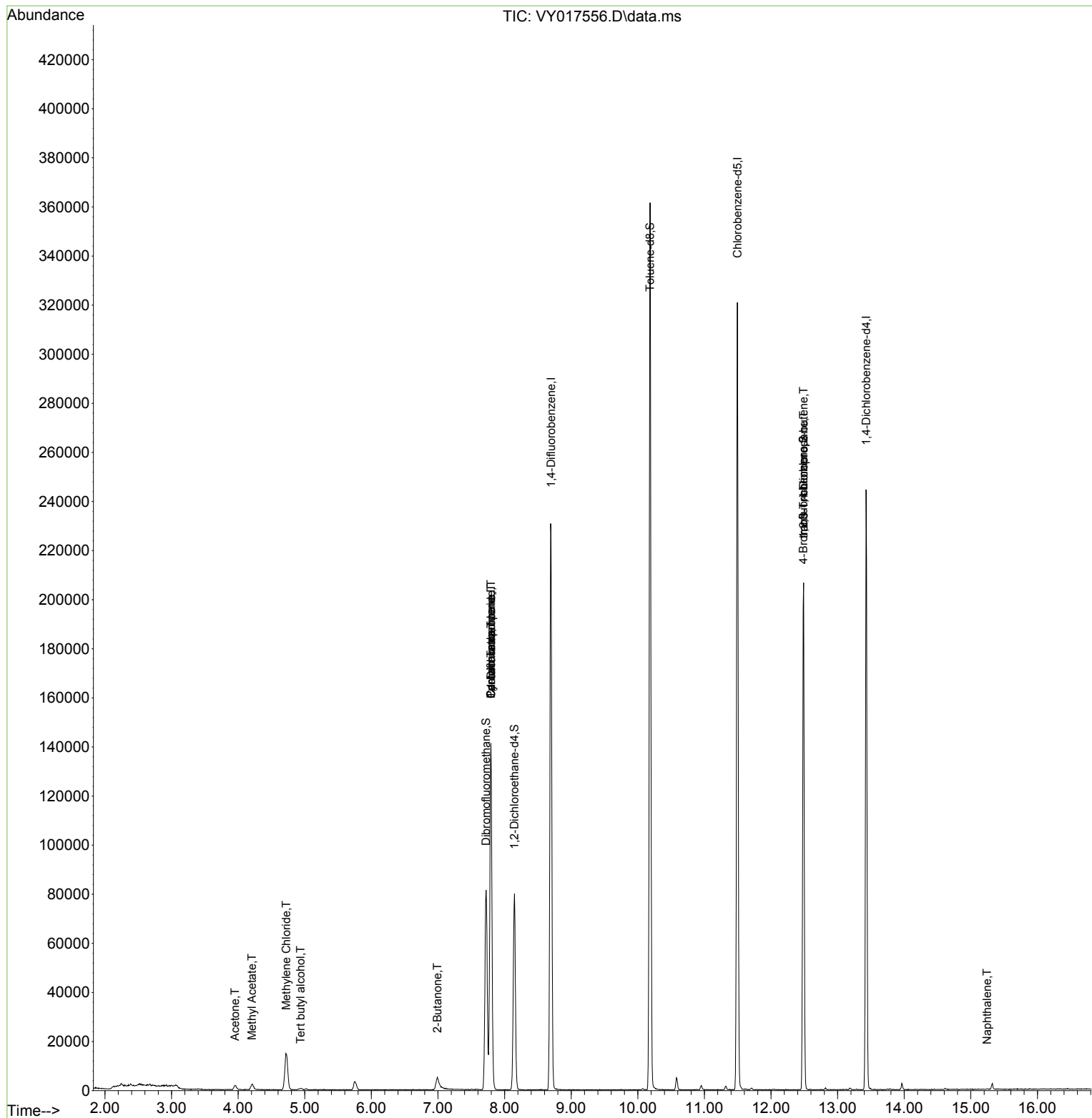
Internal Standards						
1) Pentafluorobenzene	7.795	168	114867	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	209884	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	182591	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	64433	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	58322	53.574	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.140%	
35) Dibromofluoromethane	7.722	113	59952	40.992	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 81.980%	
50) Toluene-d8	10.185	98	237824	46.508	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 93.020%	
62) 4-Bromofluorobenzene	12.483	95	62614	38.962	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 77.920%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	543	5.872	ug/l #	88
16) Acetone	3.954	43	3394	16.074	ug/l #	79
18) Methyl Acetate	4.204	43	770	1.503	ug/l #	46
20) Methylene Chloride	4.722	84	12688	5.334	ug/l	96
25) 2-Butanone	6.990	43	364	1.210	ug/l #	41
31) Cyclohexane	7.795	56	2081	1.175	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	8649	4.383	ug/l #	48
38) Carbon Tetrachloride	7.795	117	10630	5.375	ug/l #	18
76) 1,2,3-Trichloropropane	12.489	75	30850	50.391	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	30850	115.787	ug/l #	16
95) Naphthalene	15.245	128	196	4.004	ug/l #	69

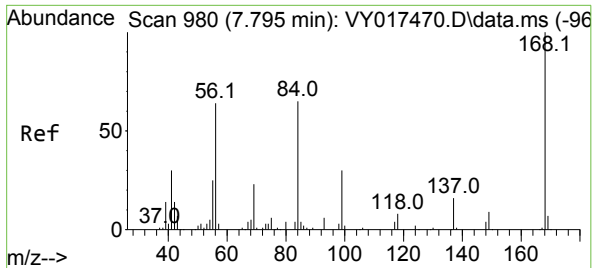
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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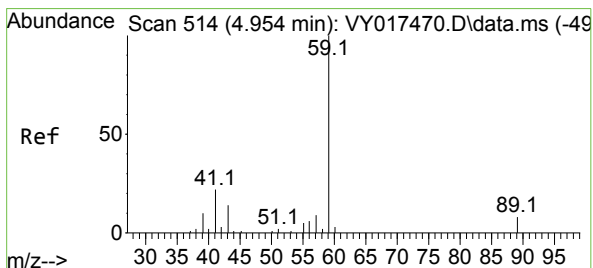
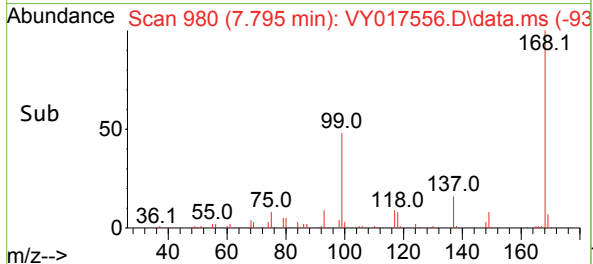
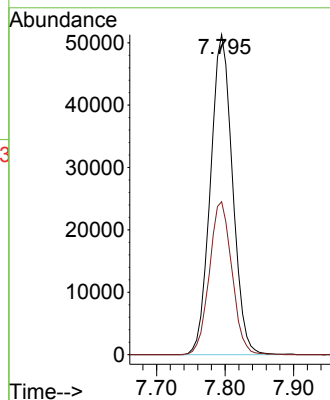
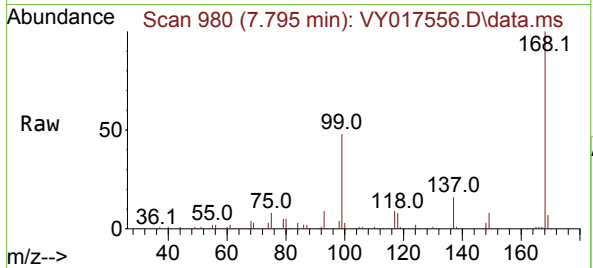




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY017556.D
Acq: 01 Mar 2024 17:25

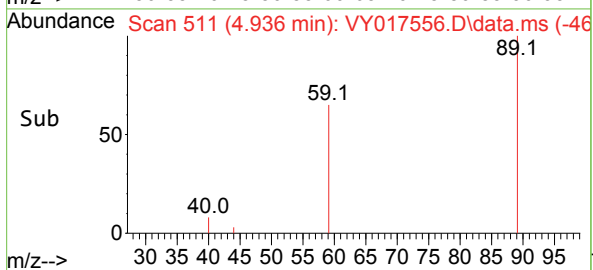
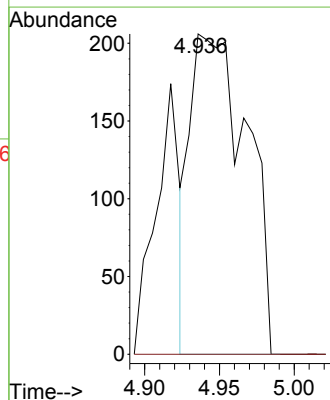
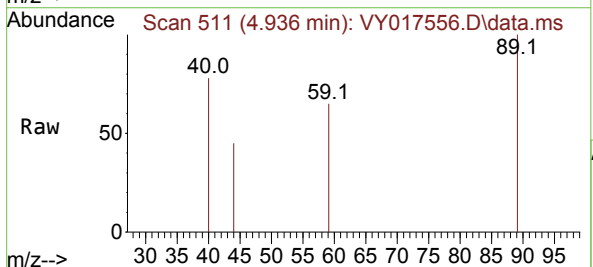
Instrument :
MSVOA_Y
ClientSampleId :
SP-7

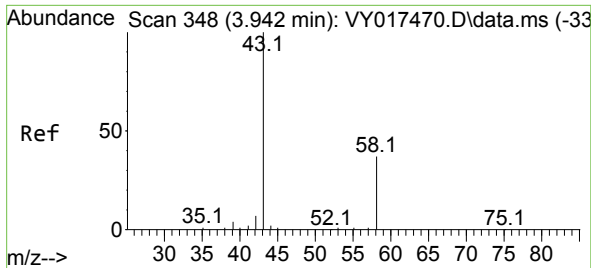
Tgt Ion:168 Resp: 114867
Ion Ratio Lower Upper
168 100
99 47.8 39.1 58.7



#11
Tert butyl alcohol
Concen: 5.872 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.018 min
Lab File: VY017556.D
Acq: 01 Mar 2024 17:25

Tgt Ion: 59 Resp: 543
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#

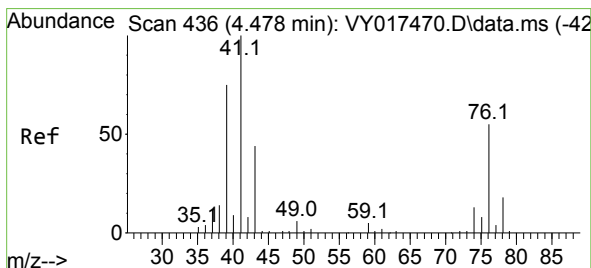
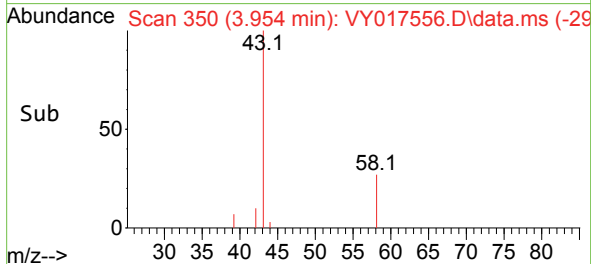
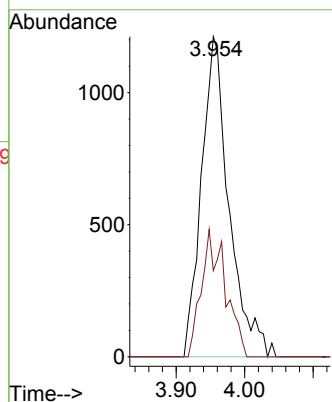
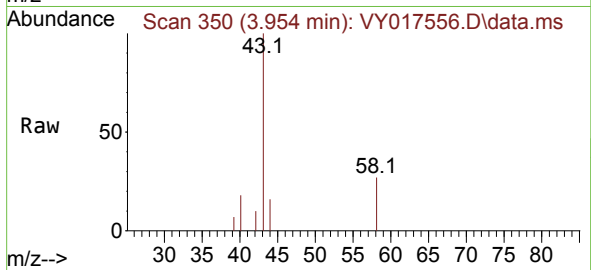




#16
Acetone
Concen: 16.074 ug/l
RT: 3.954 min Scan# 311
Delta R.T. 0.012 min
Lab File: VY017556.D
Acq: 01 Mar 2024 17:25

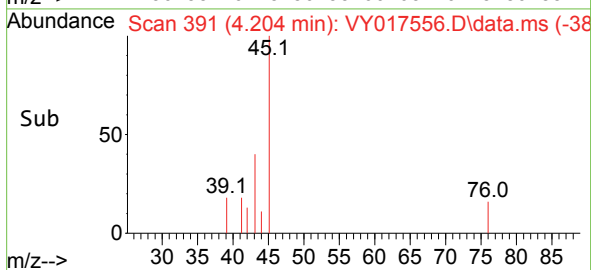
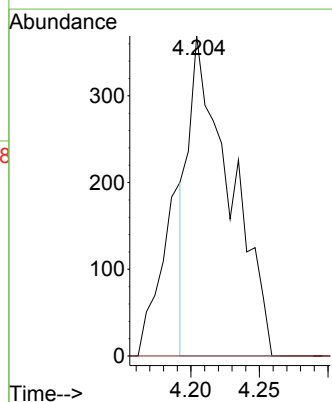
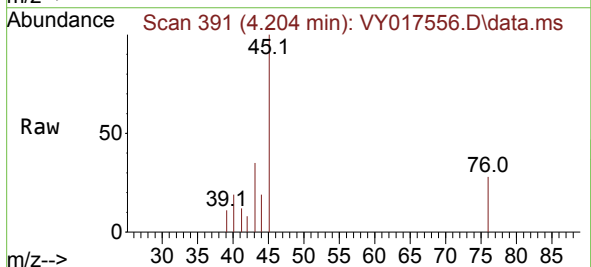
Instrument :
MSVOA_Y
ClientSampleId :
SP-7

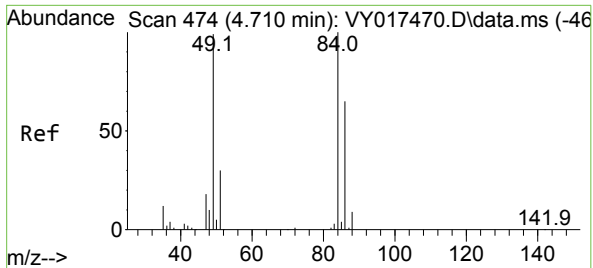
Tgt Ion: 43 Resp: 3394
Ion Ratio Lower Upper
43 100
58 26.9 31.7 47.5#



#18
Methyl Acetate
Concen: 1.503 ug/l
RT: 4.204 min Scan# 391
Delta R.T. -0.274 min
Lab File: VY017556.D
Acq: 01 Mar 2024 17:25

Tgt Ion: 43 Resp: 770
Ion Ratio Lower Upper
43 100
74 0.0 23.3 34.9#

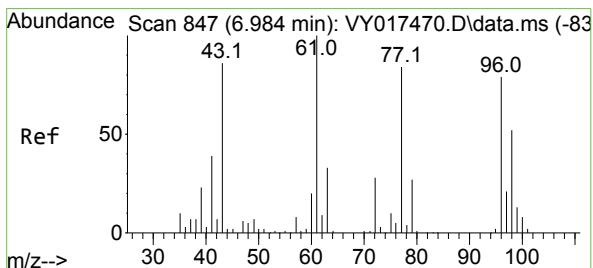
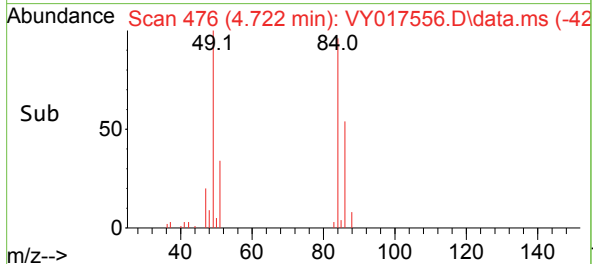
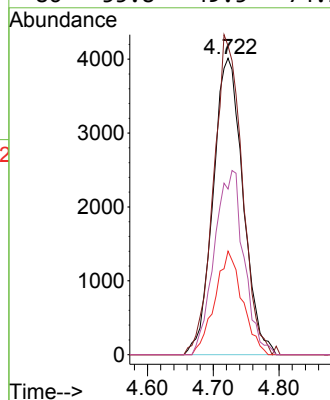
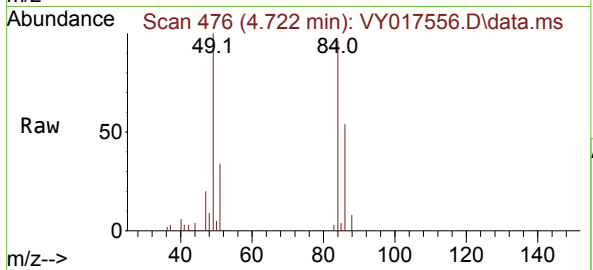




#20
Methylene Chloride
Concen: 5.334 ug/l
RT: 4.722 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY017556.D
Acq: 01 Mar 2024 17:25

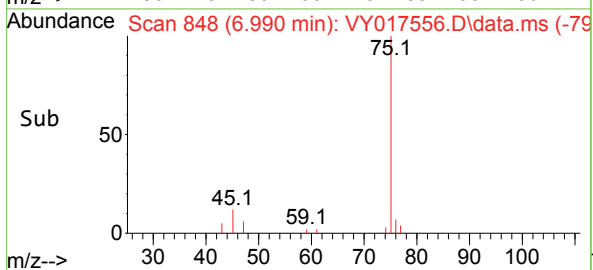
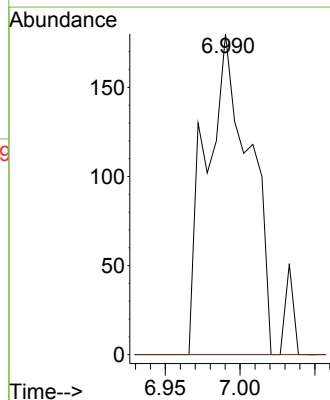
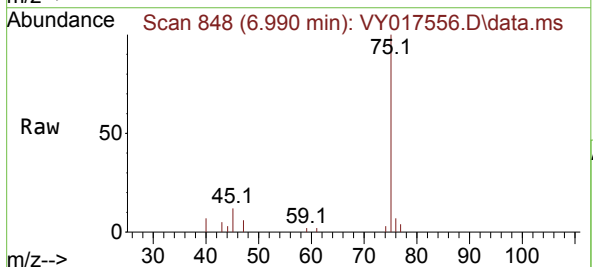
Instrument :
MSVOA_Y
ClientSampleId :
SP-7

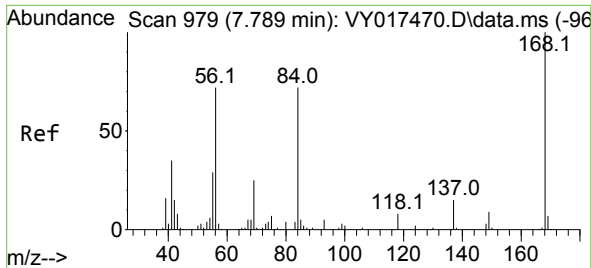
Tgt Ion:	84	Resp:	12688
Ion	Ratio	Lower	Upper
84	100		
49	104.1	84.4	126.6
51	34.9	26.0	39.0
86	55.8	49.5	74.3



#25
2-Butanone
Concen: 1.210 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY017556.D
Acq: 01 Mar 2024 17:25

Tgt Ion:	43	Resp:	364
Ion	Ratio	Lower	Upper
43	100		
72	0.0	27.3	40.9#

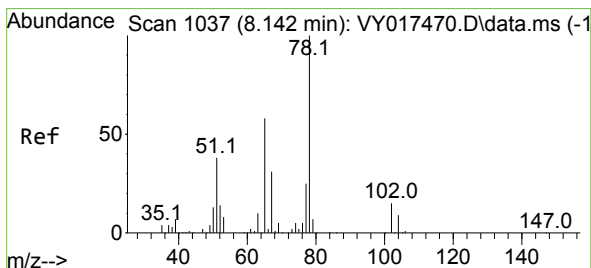
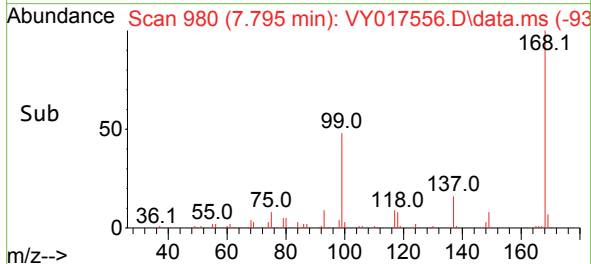
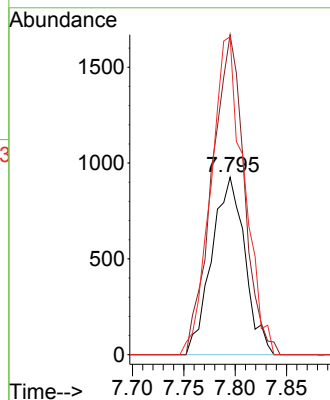
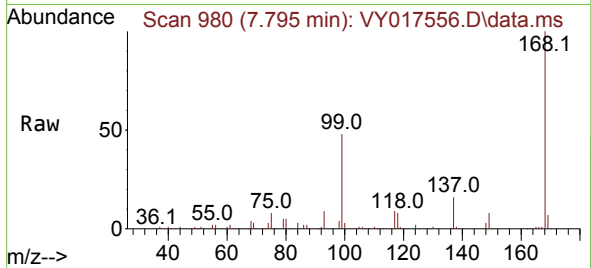




#31
Cyclohexane
Concen: 1.175 ug/l
RT: 7.795 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY017556.D
Acq: 01 Mar 2024 17:25

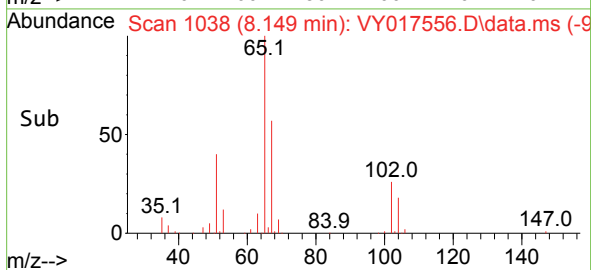
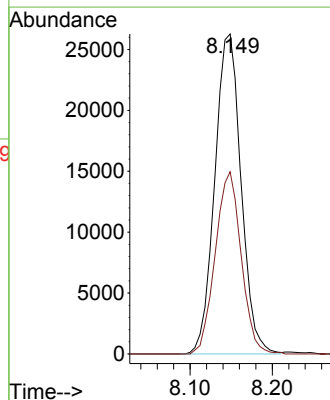
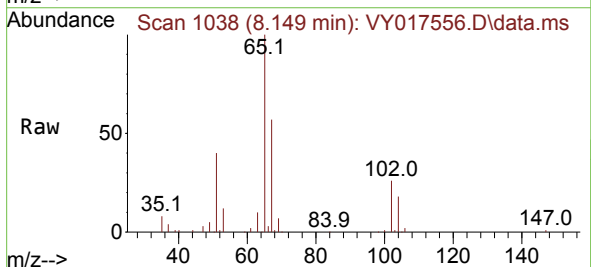
Instrument :
MSVOA_Y
ClientSampleId :
SP-7

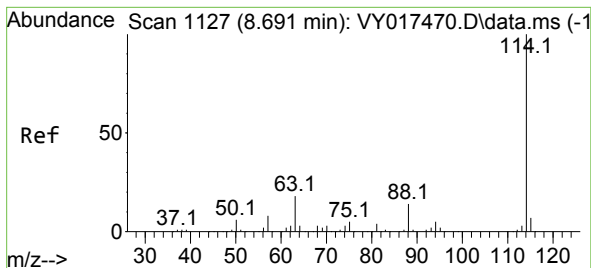
Tgt Ion: 56 Resp: 2081
Ion Ratio Lower Upper
56 100
69 180.3 28.7 43.1#
84 179.3 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 53.574 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.006 min
Lab File: VY017556.D
Acq: 01 Mar 2024 17:25

Tgt Ion: 65 Resp: 58322
Ion Ratio Lower Upper
65 100
67 56.1 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY017556.D

Acq: 01 Mar 2024 17:25

Instrument :

MSVOA_Y

ClientSampleId :

SP-7

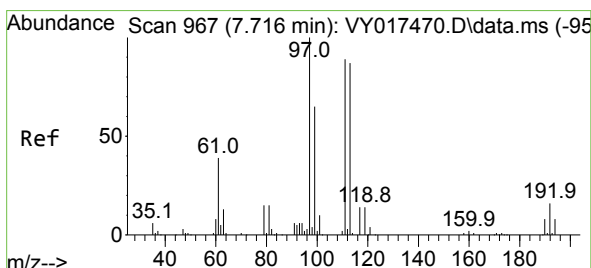
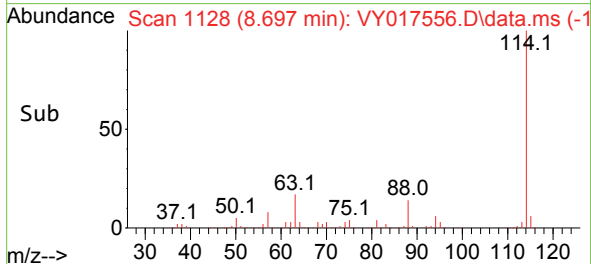
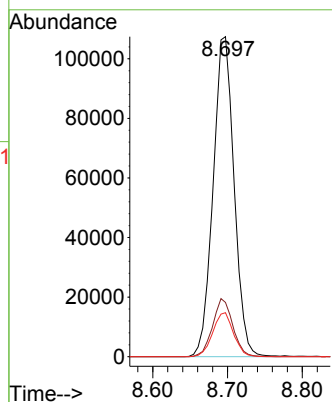
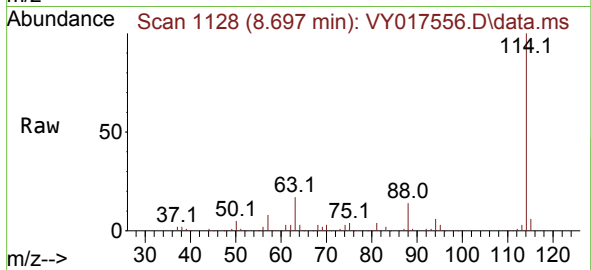
Tgt Ion:114 Resp: 209884

Ion Ratio Lower Upper

114 100

63 16.9 0.0 35.0

88 13.8 0.0 27.2



#35

Dibromofluoromethane

Concen: 40.992 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY017556.D

Acq: 01 Mar 2024 17:25

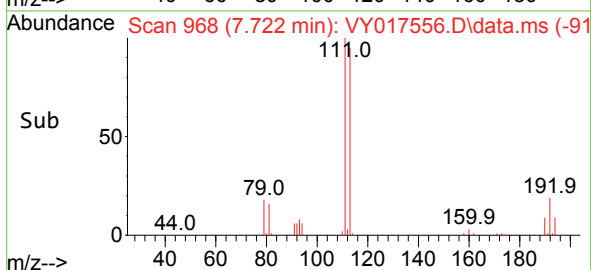
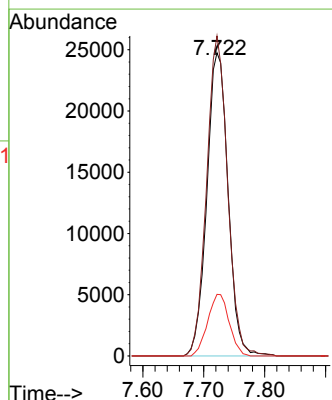
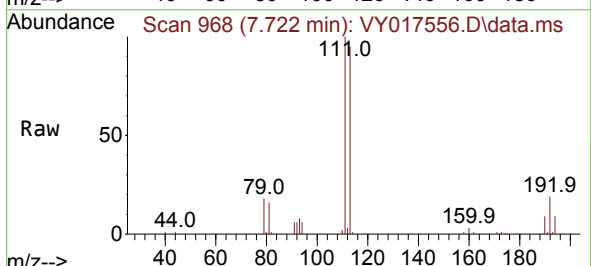
Tgt Ion:113 Resp: 59952

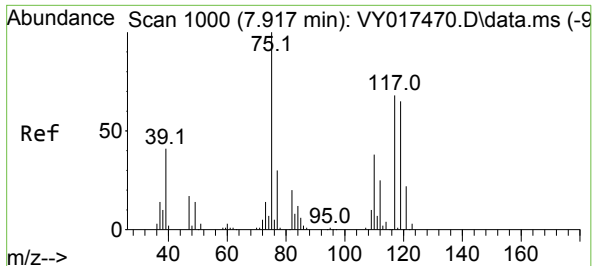
Ion Ratio Lower Upper

113 100

111 104.1 82.2 123.4

192 20.5 15.9 23.9

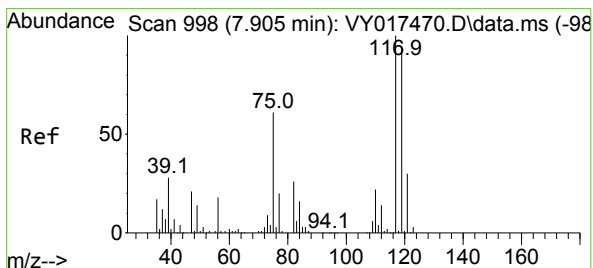
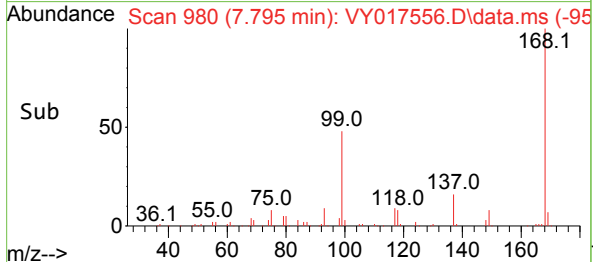
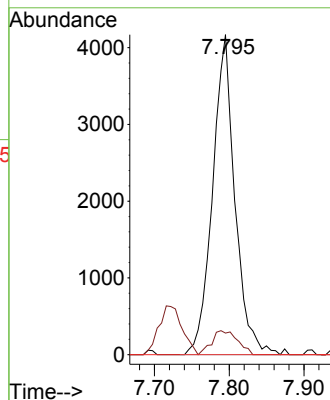
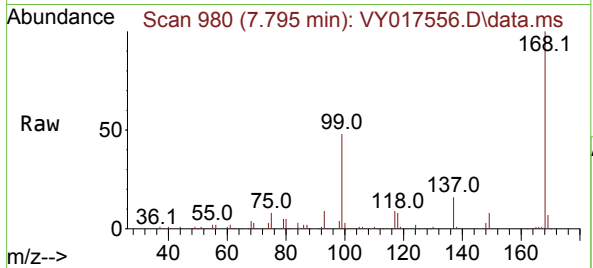




#36
1,1-Dichloropropene
Concen: 4.383 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY017556.D
Acq: 01 Mar 2024 17:25

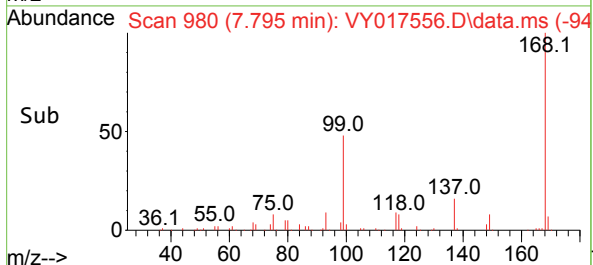
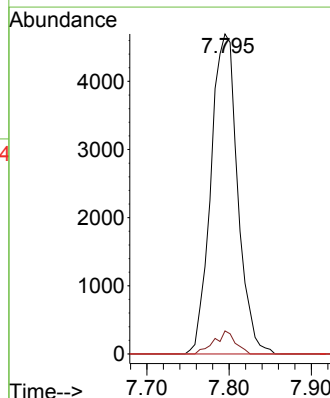
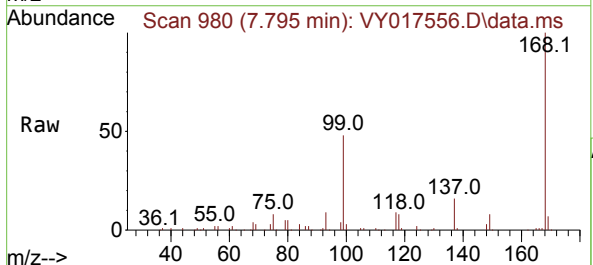
Instrument :
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SP-7

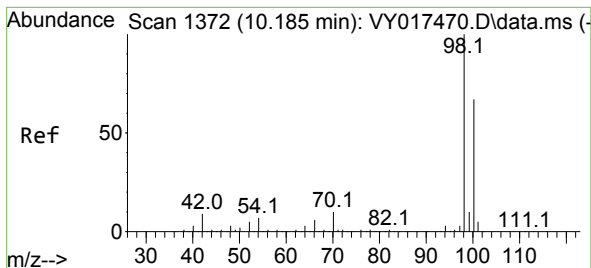
Tgt Ion: 75 Resp: 8649
Ion Ratio Lower Upper
75 100
110 8.7 19.0 57.0#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.375 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.110 min
Lab File: VY017556.D
Acq: 01 Mar 2024 17:25

Tgt Ion: 117 Resp: 10630
Ion Ratio Lower Upper
117 100
119 7.2 75.8 113.6#
121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 46.508 ug/l

RT: 10.185 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY017556.D

Acq: 01 Mar 2024 17:25

Instrument :

MSVOA_Y

ClientSampleId :

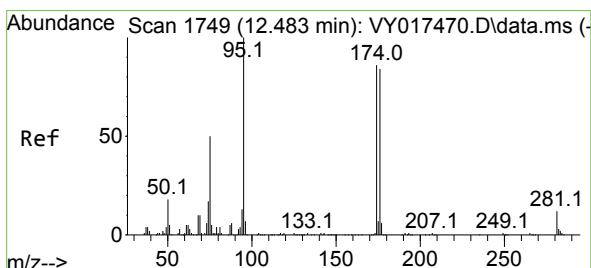
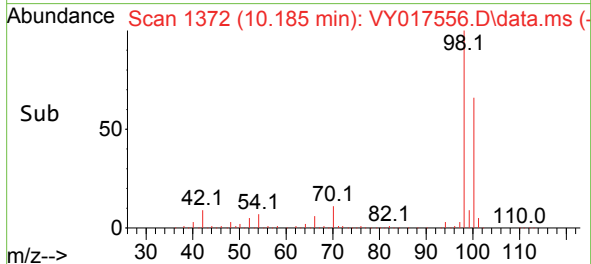
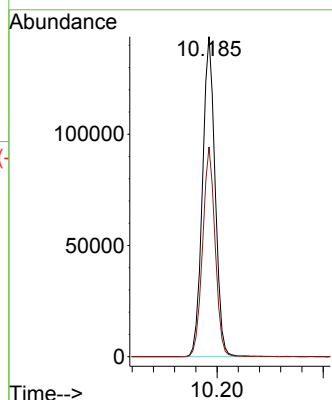
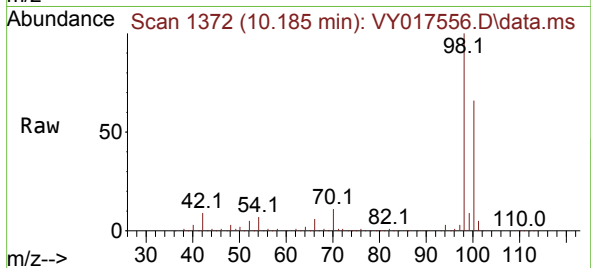
SP-7

Tgt Ion: 98 Resp: 237824

Ion Ratio Lower Upper

98 100

100 64.6 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 38.962 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY017556.D

Acq: 01 Mar 2024 17:25

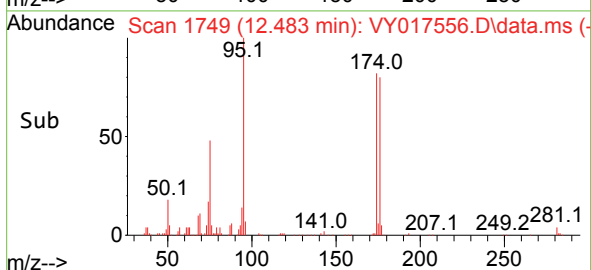
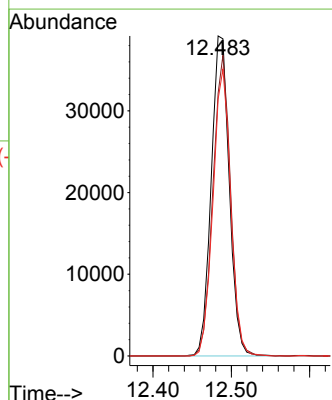
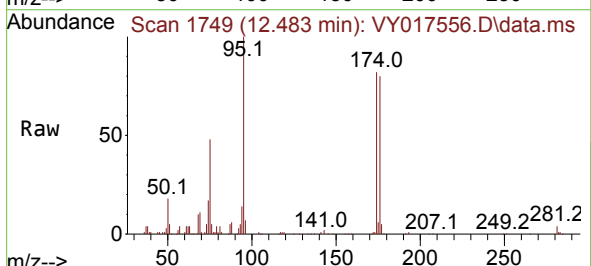
Tgt Ion: 95 Resp: 62614

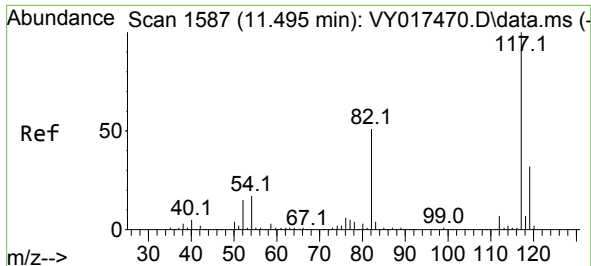
Ion Ratio Lower Upper

95 100

174 91.8 0.0 175.6

176 88.1 0.0 171.4

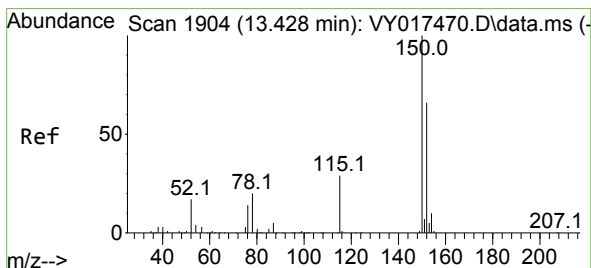
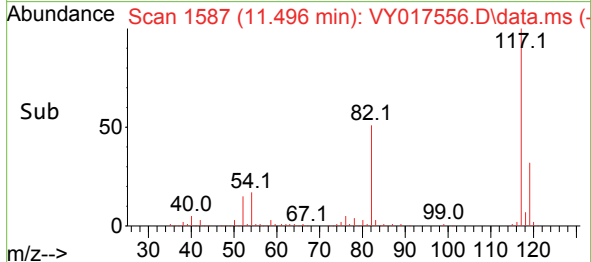
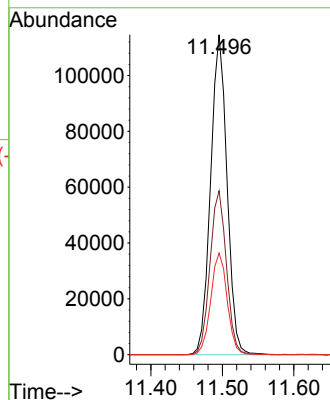
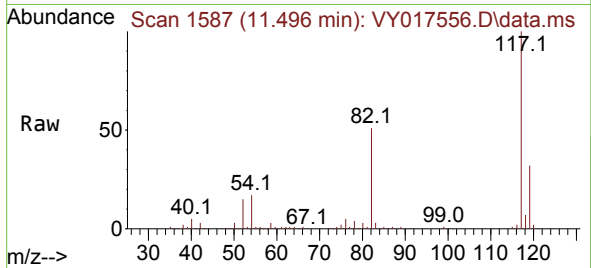




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY017556.D
Acq: 01 Mar 2024 17:25

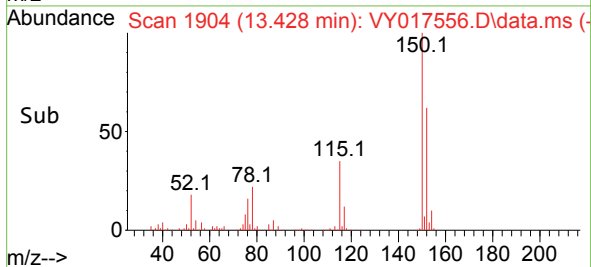
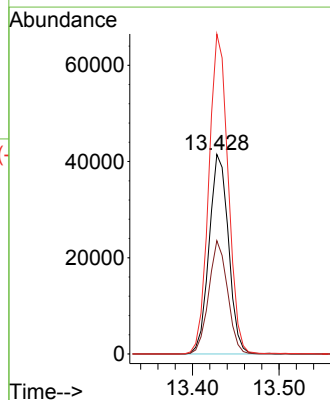
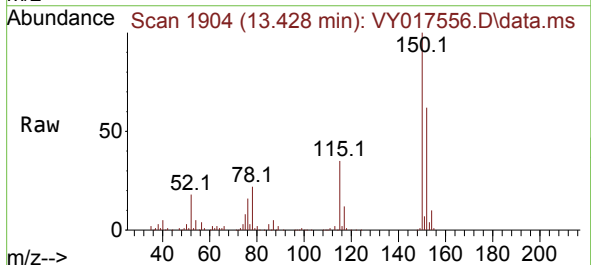
Instrument :
MSVOA_Y
ClientSampleId :
SP-7

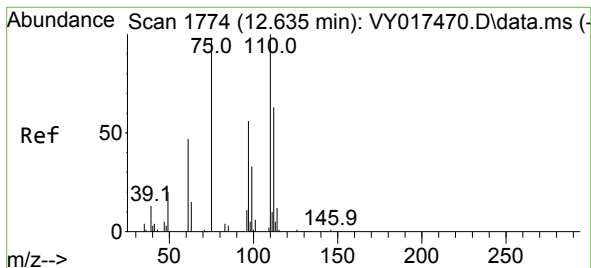
Tgt Ion:117 Resp: 182591
Ion Ratio Lower Upper
117 100
82 51.2 42.4 63.6
119 31.8 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY017556.D
Acq: 01 Mar 2024 17:25

Tgt Ion:152 Resp: 64433
Ion Ratio Lower Upper
152 100
115 55.0 28.2 84.7
150 159.7 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 50.391 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.146 min

Lab File: VY017556.D

Acq: 01 Mar 2024 17:25

Instrument :

MSVOA_Y

ClientSampleId :

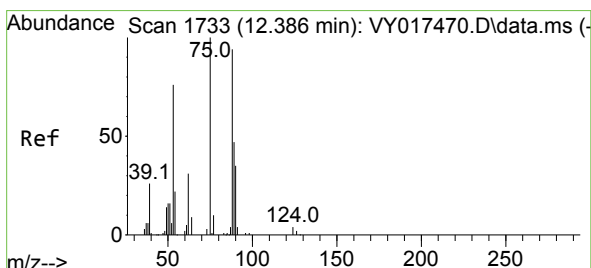
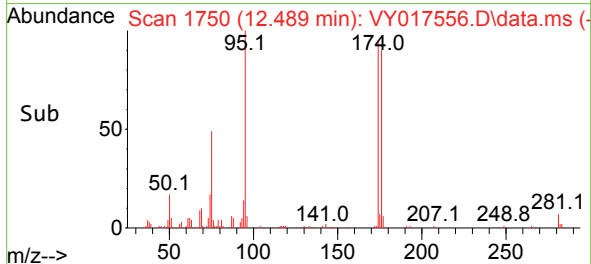
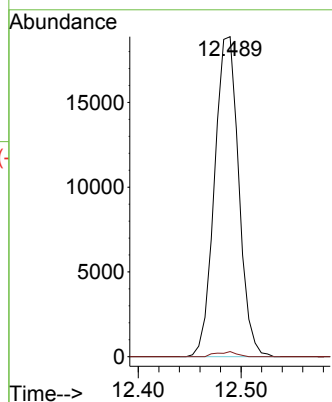
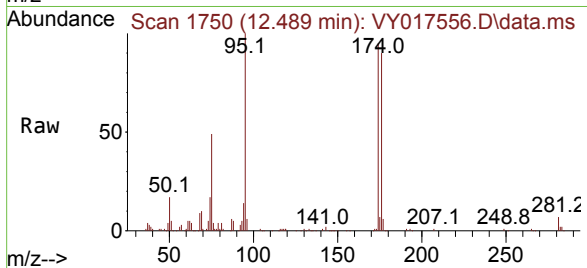
SP-7

Tgt Ion: 75 Resp: 30850

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 115.787 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.104 min

Lab File: VY017556.D

Acq: 01 Mar 2024 17:25

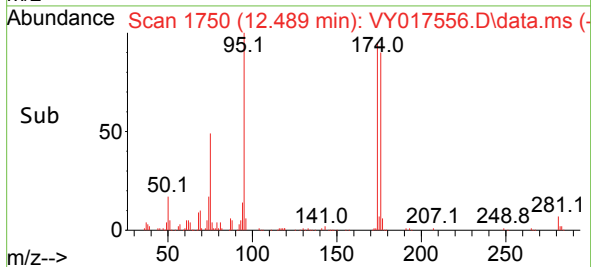
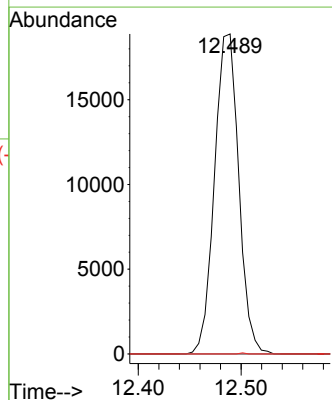
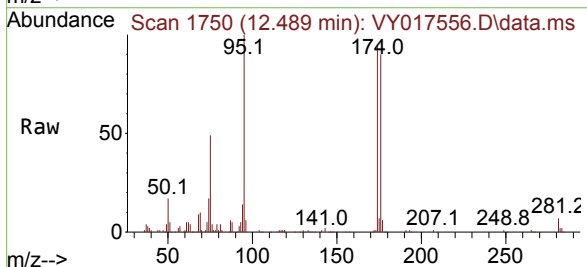
Tgt Ion: 75 Resp: 30850

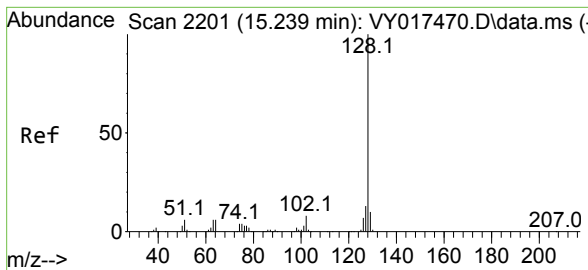
Ion Ratio Lower Upper

75 100

53 0.0 66.8 100.2#

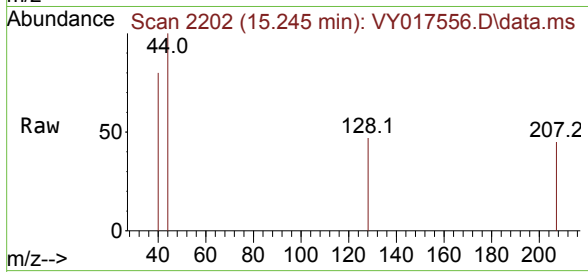
89 0.1 35.8 53.6#





#95
 Naphthalene
 Concen: 4.004 ug/l
 RT: 15.245 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY017556.D
 Acq: 01 Mar 2024 17:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-7



Tgt Ion:	128	Resp:	196
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	13.0#

