

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071924\
 Data File : VY018880.D
 Acq On : 19 Jul 2024 14:28
 Operator : SY/MD
 Sample : P3294-05
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-4-071724

Quant Time: Jul 19 23:04:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 14:28:51 2024
 Response via : Initial Calibration

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

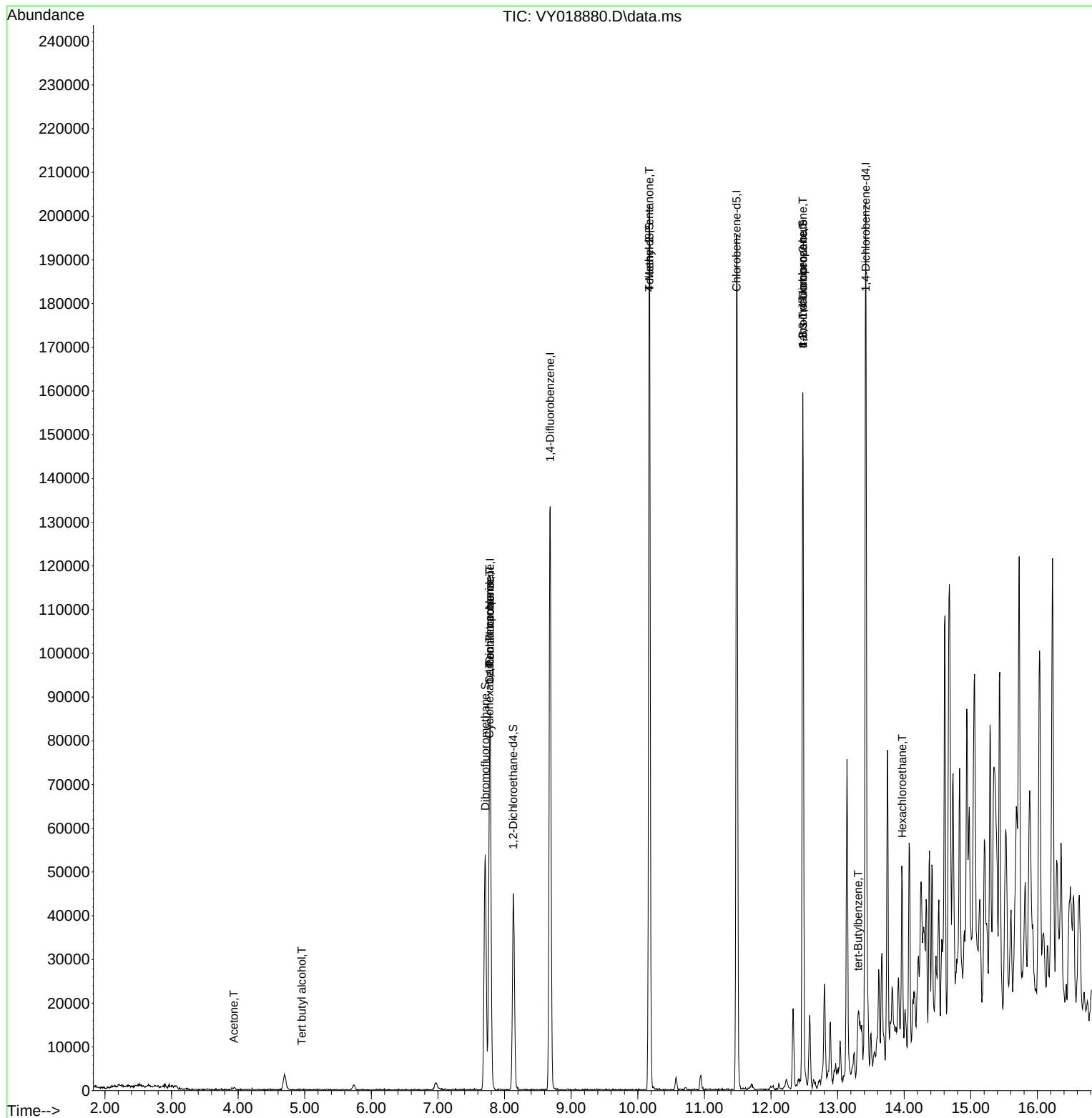
Internal Standards						
1) Pentafluorobenzene	7.783	168	69352	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	118469	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.484	117	108458	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	48272	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	34241	50.175	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.340%	
35) Dibromofluoromethane	7.710	113	36819	49.622	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.240%	
50) Toluene-d8	10.173	98	130197	46.315	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 92.620%	
62) 4-Bromofluorobenzene	12.477	95	45006	46.881	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.760%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.954	59	94	1.360	ug/l #	88
16) Acetone	3.936	43	960	7.630	ug/l #	36
20) Methylene Chloride	4.692	84	2906	Below Cal	#	75
31) Cyclohexane	7.771	56	1700	1.621	ug/l #	62
36) 1,1-Dichloropropene	7.777	75	5186	5.065	ug/l #	48
38) Carbon Tetrachloride	7.777	117	6620	5.368	ug/l #	17
51) 4-Methyl-2-Pentanone	10.173	43	613	1.418	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	24798	65.590	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	24798	146.794	ug/l #	16
83) tert-Butylbenzene	13.306	119	3548	1.329	ug/l	74
90) Hexachloroethane	13.971	117	1720	2.828	ug/l #	12

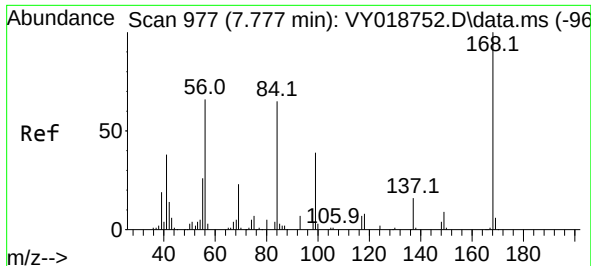
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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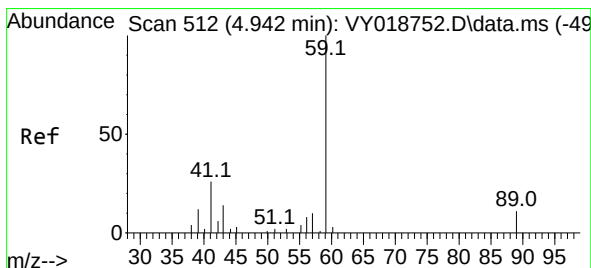
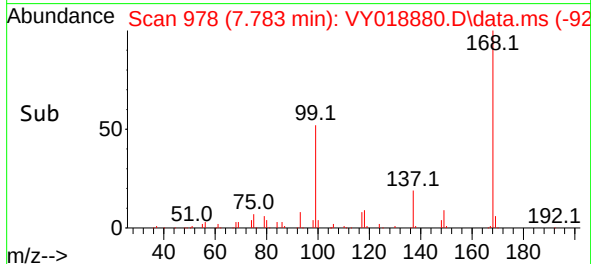
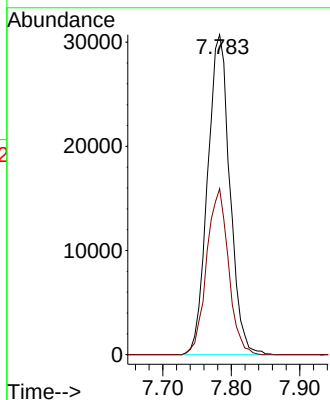
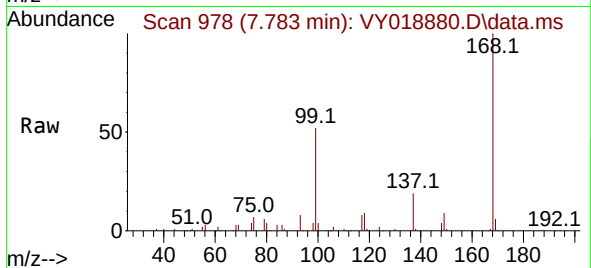




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY018880.D
Acq: 19 Jul 2024 14:28

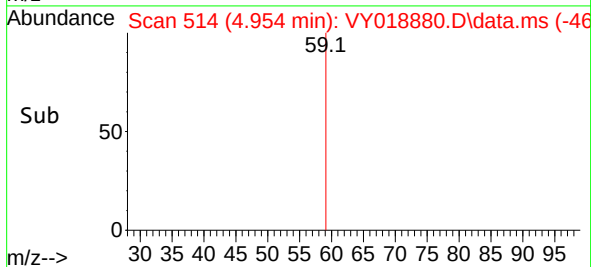
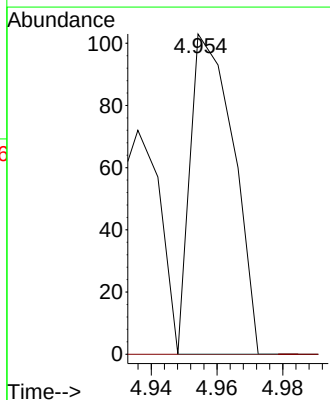
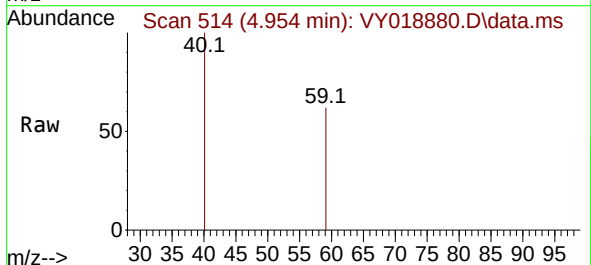
Instrument :
MSVOA_Y
ClientSampleId :
HR-4-071724

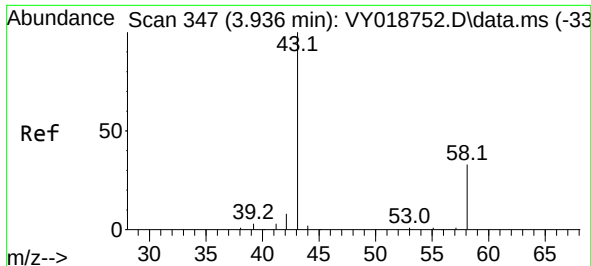
Tgt Ion:168 Resp: 69352
Ion Ratio Lower Upper
168 100
99 51.8 39.1 58.7



#11
Tert butyl alcohol
Concen: 1.360 ug/l
RT: 4.954 min Scan# 514
Delta R.T. 0.012 min
Lab File: VY018880.D
Acq: 19 Jul 2024 14:28

Tgt Ion: 59 Resp: 94
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#





#16

Acetone

Concen: 7.630 ug/l

RT: 3.936 min Scan# 347

Delta R.T. 0.000 min

Lab File: VY018880.D

Acq: 19 Jul 2024 14:28

Instrument :

MSVOA_Y

ClientSampleId :

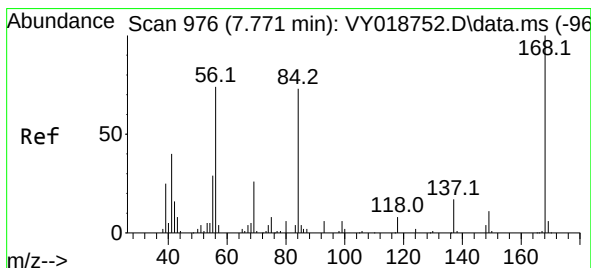
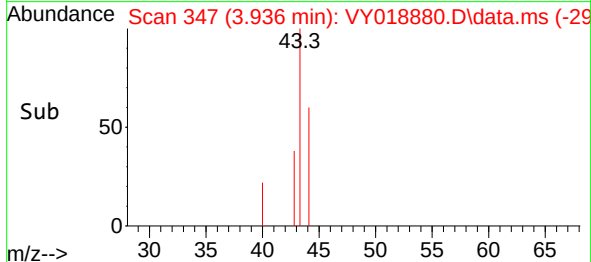
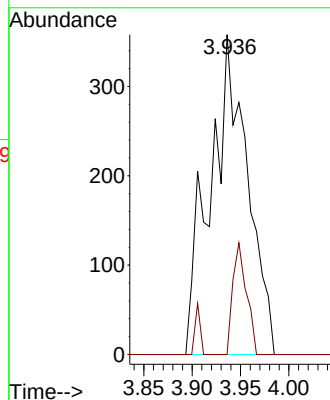
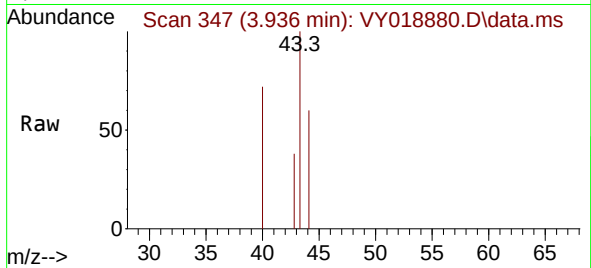
HR-4-071724

Tgt Ion: 43 Resp: 960

Ion Ratio Lower Upper

43 100

58 0.0 31.7 47.5#



#31

Cyclohexane

Concen: 1.621 ug/l

RT: 7.771 min Scan# 976

Delta R.T. 0.000 min

Lab File: VY018880.D

Acq: 19 Jul 2024 14:28

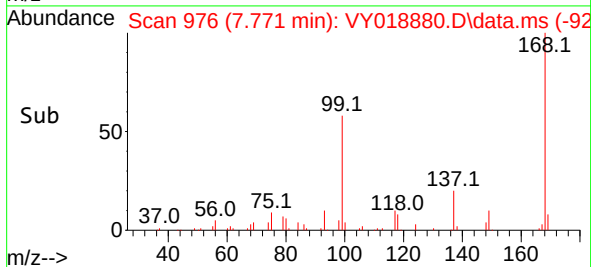
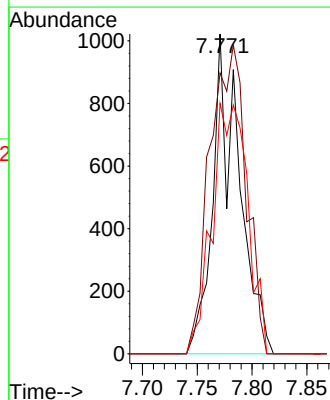
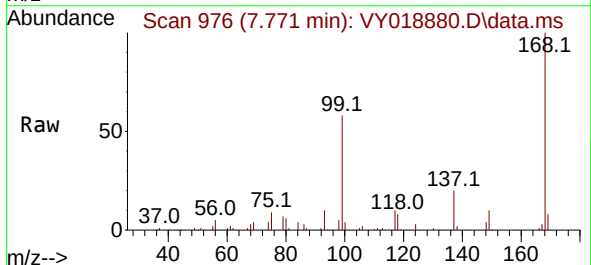
Tgt Ion: 56 Resp: 1700

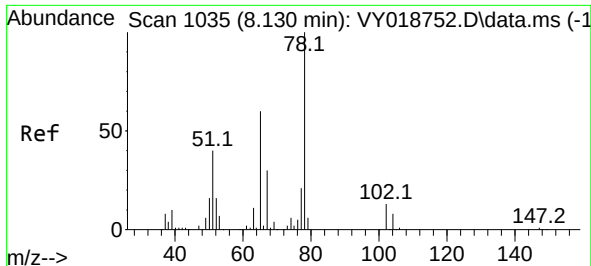
Ion Ratio Lower Upper

56 100

69 87.9 28.7 43.1#

84 78.3 77.7 116.5





#33

1,2-Dichloroethane-d4

Concen: 50.175 ug/l

RT: 8.130 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VY018880.D

Acq: 19 Jul 2024 14:28

Instrument :

MSVOA_Y

ClientSampleId :

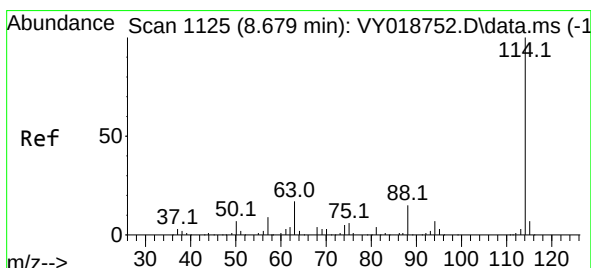
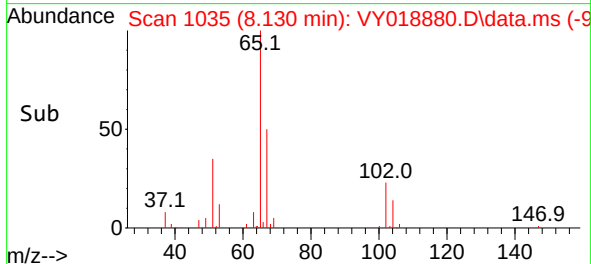
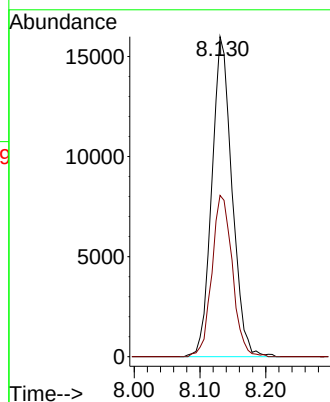
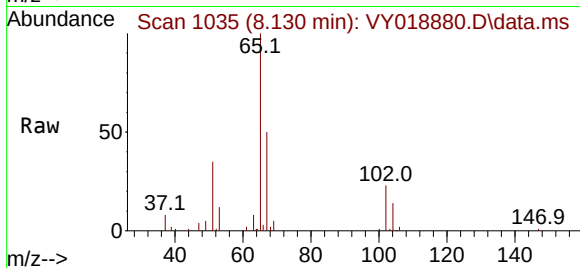
HR-4-071724

Tgt Ion: 65 Resp: 34241

Ion Ratio Lower Upper

65 100

67 51.0 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY018880.D

Acq: 19 Jul 2024 14:28

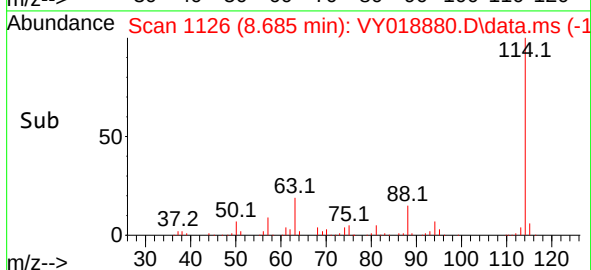
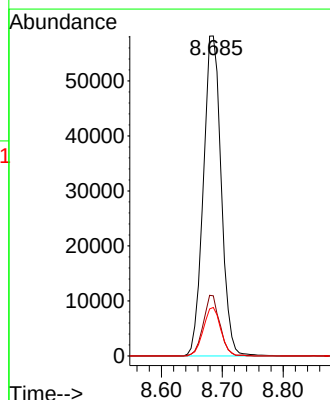
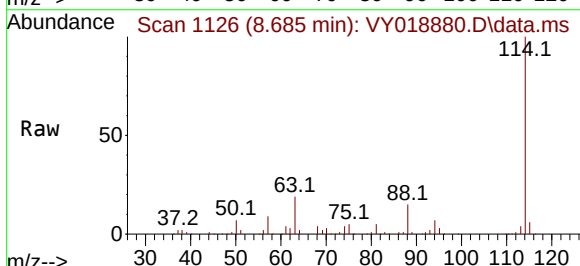
Tgt Ion: 114 Resp: 118469

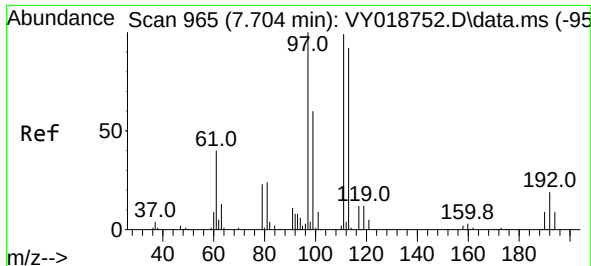
Ion Ratio Lower Upper

114 100

63 18.8 0.0 35.0

88 15.1 0.0 27.2

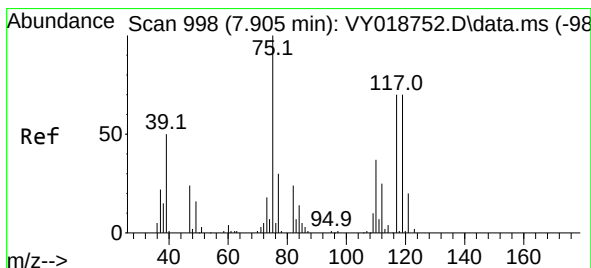
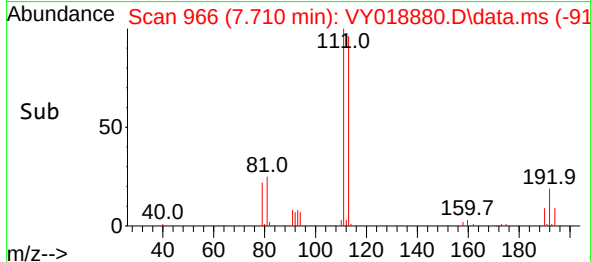
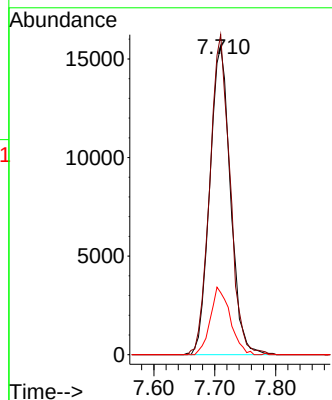
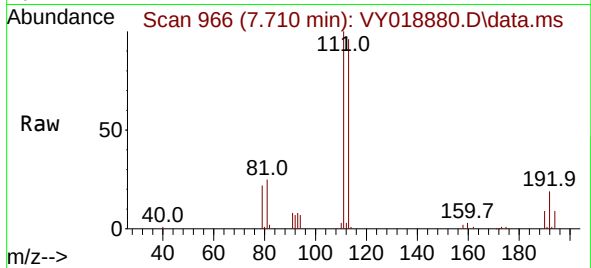




#35
 Dibromofluoromethane
 Concen: 49.622 ug/l
 RT: 7.710 min Scan# 90
 Delta R.T. 0.006 min
 Lab File: VY018880.D
 Acq: 19 Jul 2024 14:28

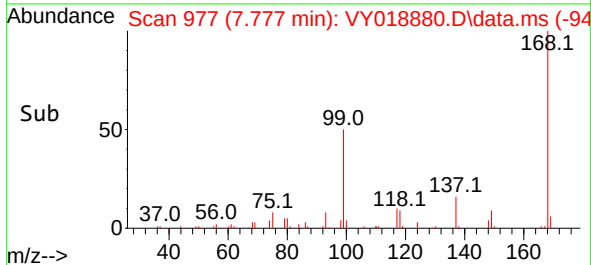
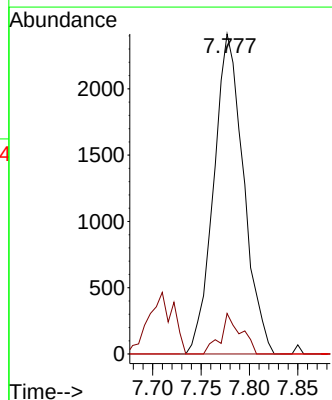
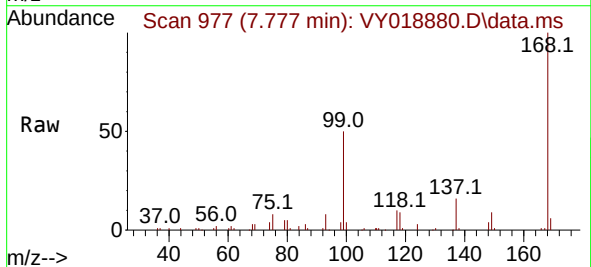
Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-4-071724

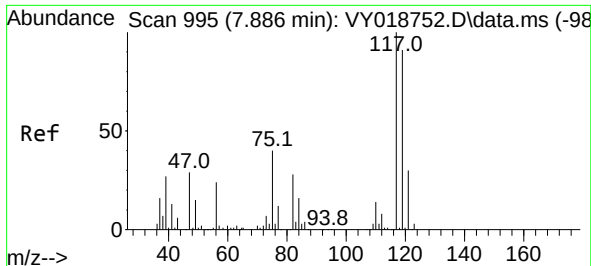
Tgt Ion:113 Resp: 36819
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.2 123.4
 192 21.0 15.9 23.9



#36
 1,1-Dichloropropene
 Concen: 5.065 ug/l
 RT: 7.777 min Scan# 977
 Delta R.T. -0.128 min
 Lab File: VY018880.D
 Acq: 19 Jul 2024 14:28

Tgt Ion: 75 Resp: 5186
 Ion Ratio Lower Upper
 75 100
 110 8.6 19.0 57.0#
 77 0.0 25.3 37.9#

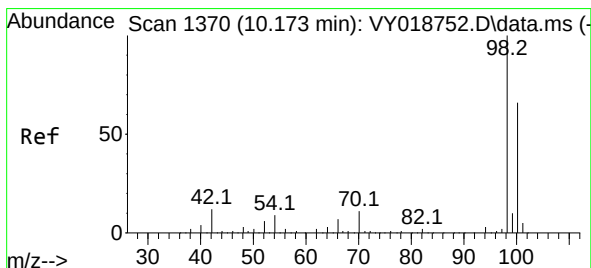
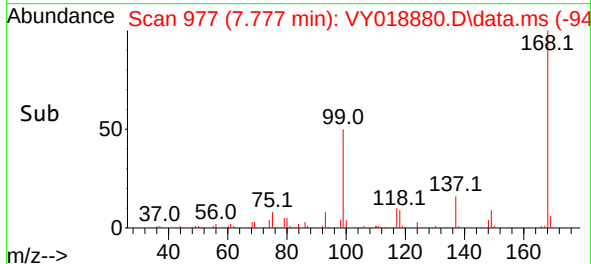
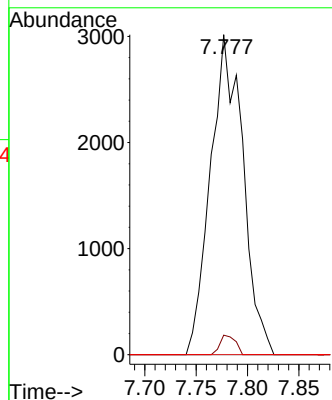
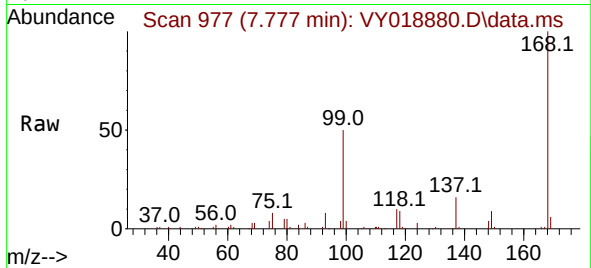




#38
Carbon Tetrachloride
Concen: 5.368 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY018880.D
Acq: 19 Jul 2024 14:28

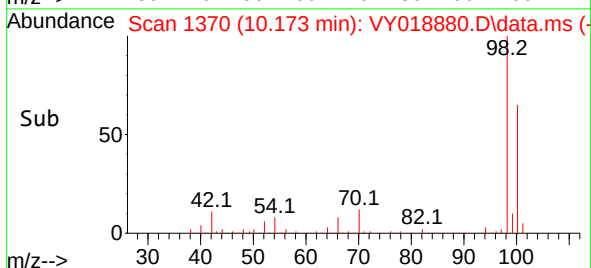
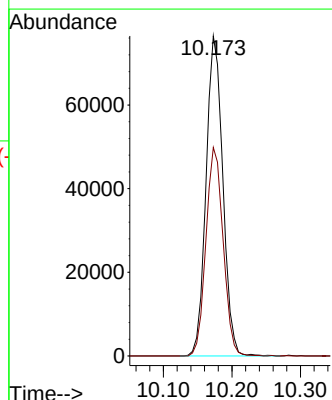
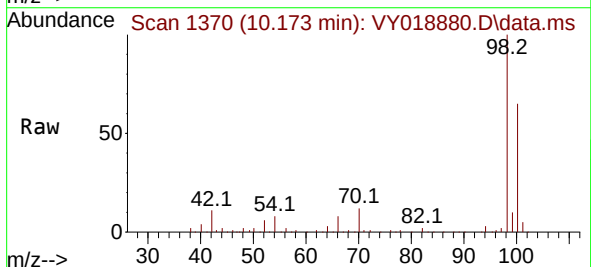
Instrument :
MSVOA_Y
ClientSampleId :
HR-4-071724

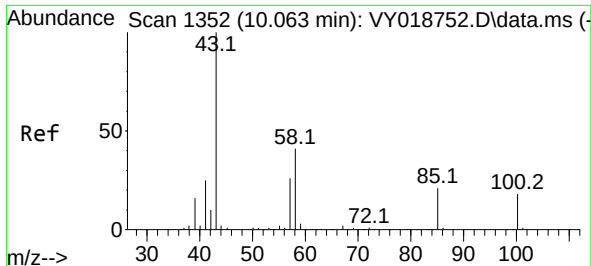
Tgt Ion:117 Resp: 6620
Ion Ratio Lower Upper
117 100
119 6.1 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 46.315 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. 0.000 min
Lab File: VY018880.D
Acq: 19 Jul 2024 14:28

Tgt Ion: 98 Resp: 130197
Ion Ratio Lower Upper
98 100
100 66.8 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 1.418 ug/l

RT: 10.173 min Scan# 11

Delta R.T. 0.110 min

Lab File: VY018880.D

Acq: 19 Jul 2024 14:28

Instrument :

MSVOA_Y

ClientSampleId :

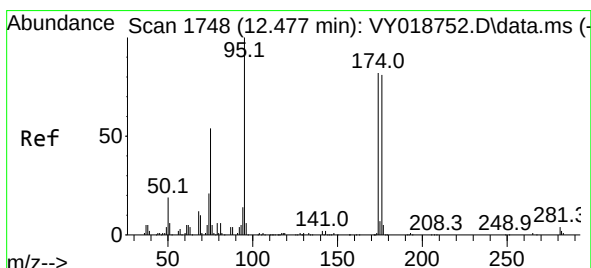
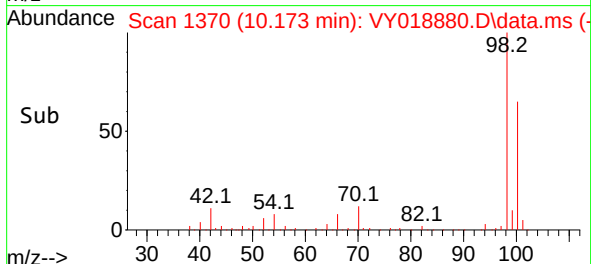
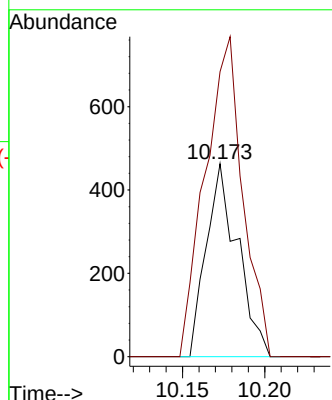
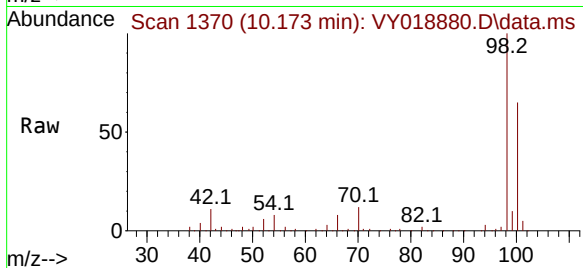
HR-4-071724

Tgt Ion: 43 Resp: 613

Ion Ratio Lower Upper

43 100

58 199.3 35.7 53.5#



#62

4-Bromofluorobenzene

Concen: 46.881 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY018880.D

Acq: 19 Jul 2024 14:28

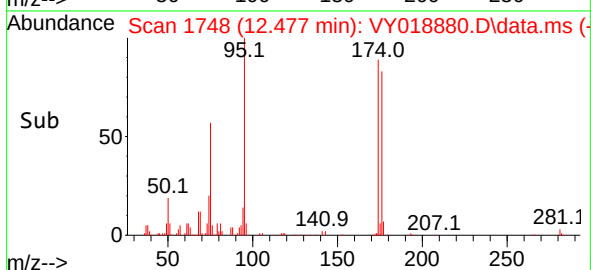
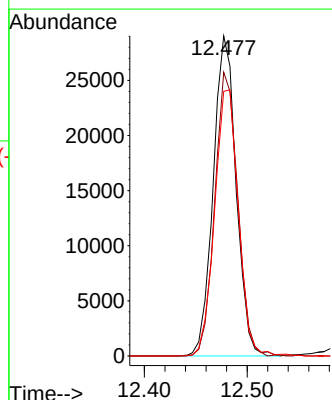
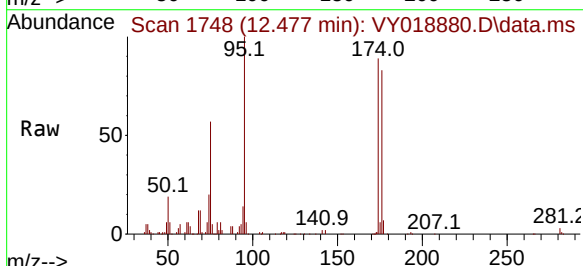
Tgt Ion: 95 Resp: 45006

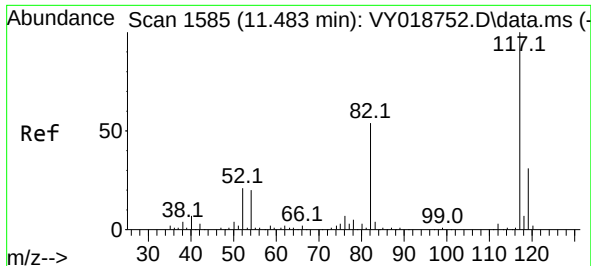
Ion Ratio Lower Upper

95 100

174 88.4 0.0 175.6

176 86.4 0.0 171.4

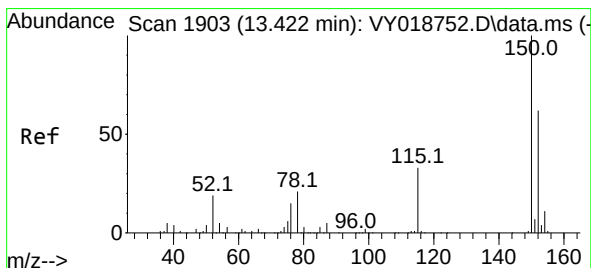
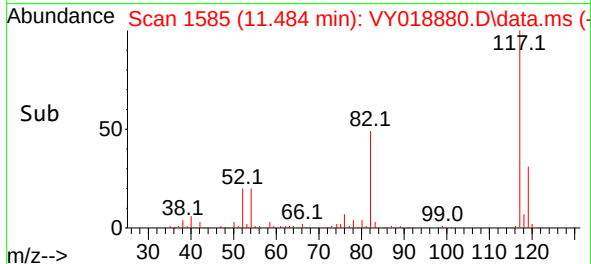
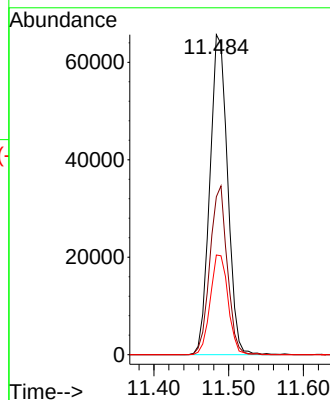
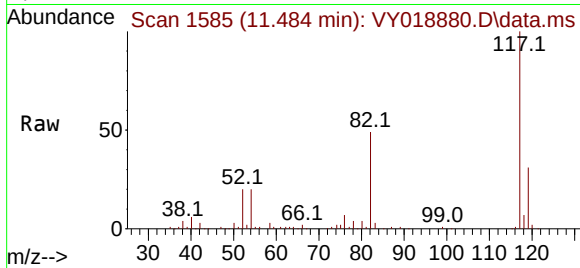




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.484 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY018880.D
Acq: 19 Jul 2024 14:28

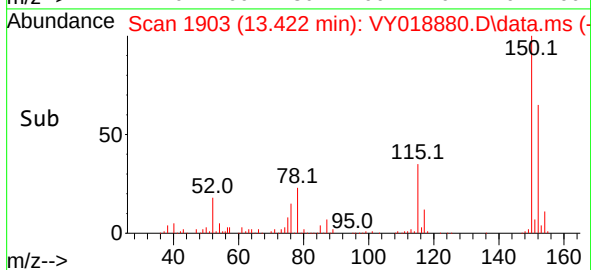
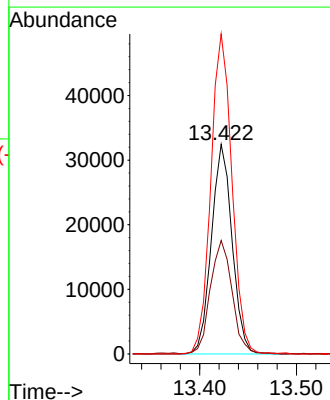
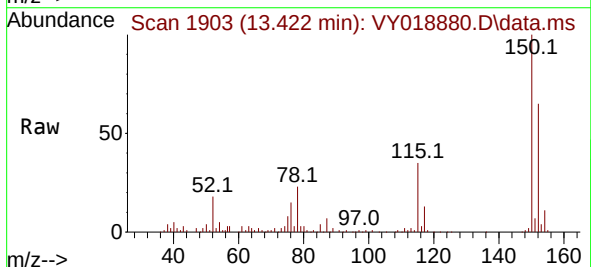
Instrument :
MSVOA_Y
ClientSampleId :
HR-4-071724

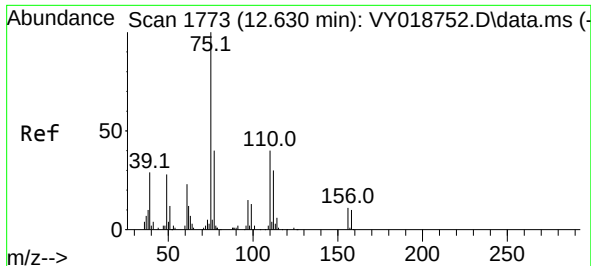
Tgt Ion:117 Resp: 108458
Ion Ratio Lower Upper
117 100
82 49.4 42.4 63.6
119 31.2 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY018880.D
Acq: 19 Jul 2024 14:28

Tgt Ion:152 Resp: 48272
Ion Ratio Lower Upper
152 100
115 57.0 28.2 84.7
150 155.7 0.0 345.6

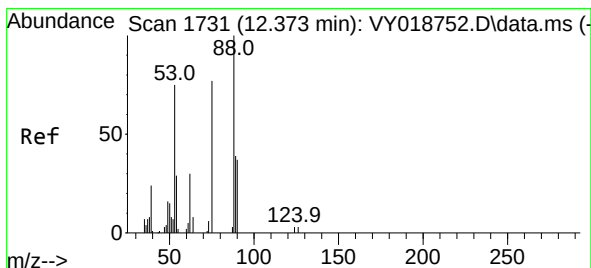
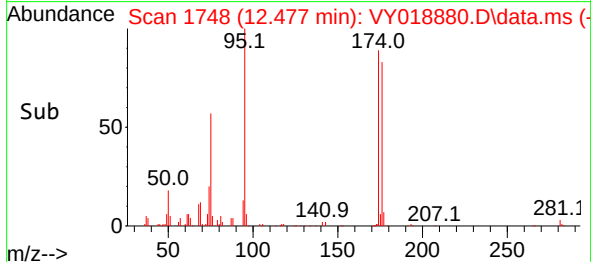
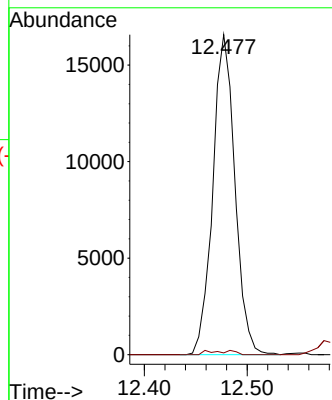
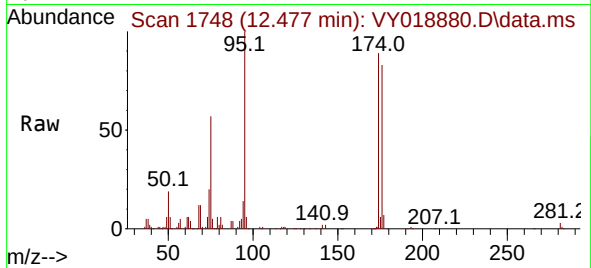




#76
1,2,3-Trichloropropane
Concen: 65.590 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY018880.D
Acq: 19 Jul 2024 14:28

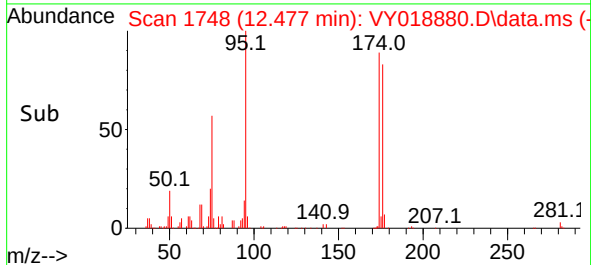
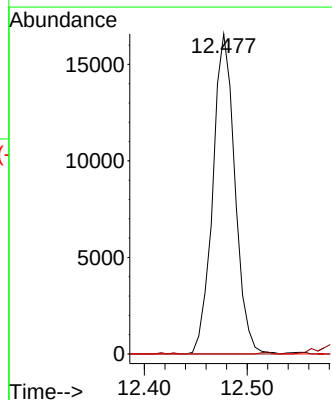
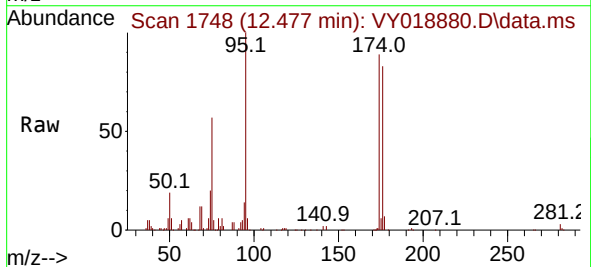
Instrument :
MSVOA_Y
ClientSampleId :
HR-4-071724

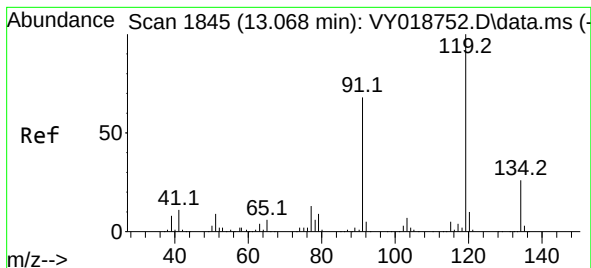
Tgt Ion: 75 Resp: 24798
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 146.794 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY018880.D
Acq: 19 Jul 2024 14:28

Tgt Ion: 75 Resp: 24798
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#





#83

tert-Butylbenzene

Concen: 1.329 ug/l

RT: 13.306 min Scan# 119

Delta R.T. 0.238 min

Lab File: VY018880.D

Acq: 19 Jul 2024 14:28

Instrument :

MSVOA_Y

ClientSampleId :

HR-4-071724

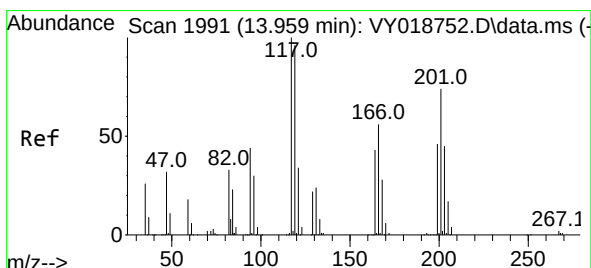
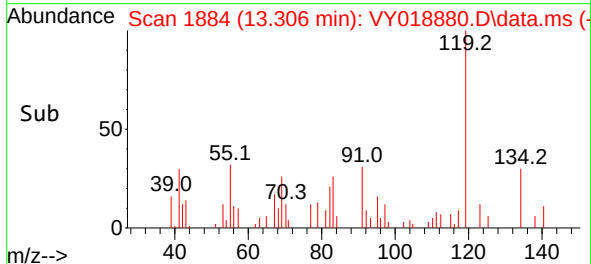
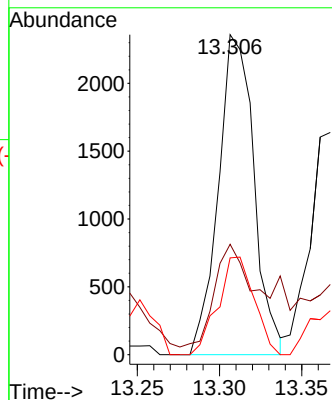
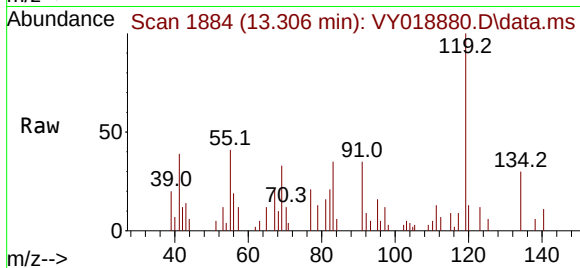
Tgt Ion:119 Resp: 3548

Ion Ratio Lower Upper

119 100

91 36.3 31.3 93.8

134 31.1 13.4 40.1



#90

Hexachloroethane

Concen: 2.828 ug/l

RT: 13.971 min Scan# 1993

Delta R.T. 0.012 min

Lab File: VY018880.D

Acq: 19 Jul 2024 14:28

Tgt Ion:117 Resp: 1720

Ion Ratio Lower Upper

117 100

201 0.0 37.4 112.2#

