

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072823\
 Data File : VY014916.D
 Acq On : 28 Jul 2023 18:09
 Operator : SY/MD
 Sample : 03826-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-01-072823

Quant Time: Jul 29 03:10:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

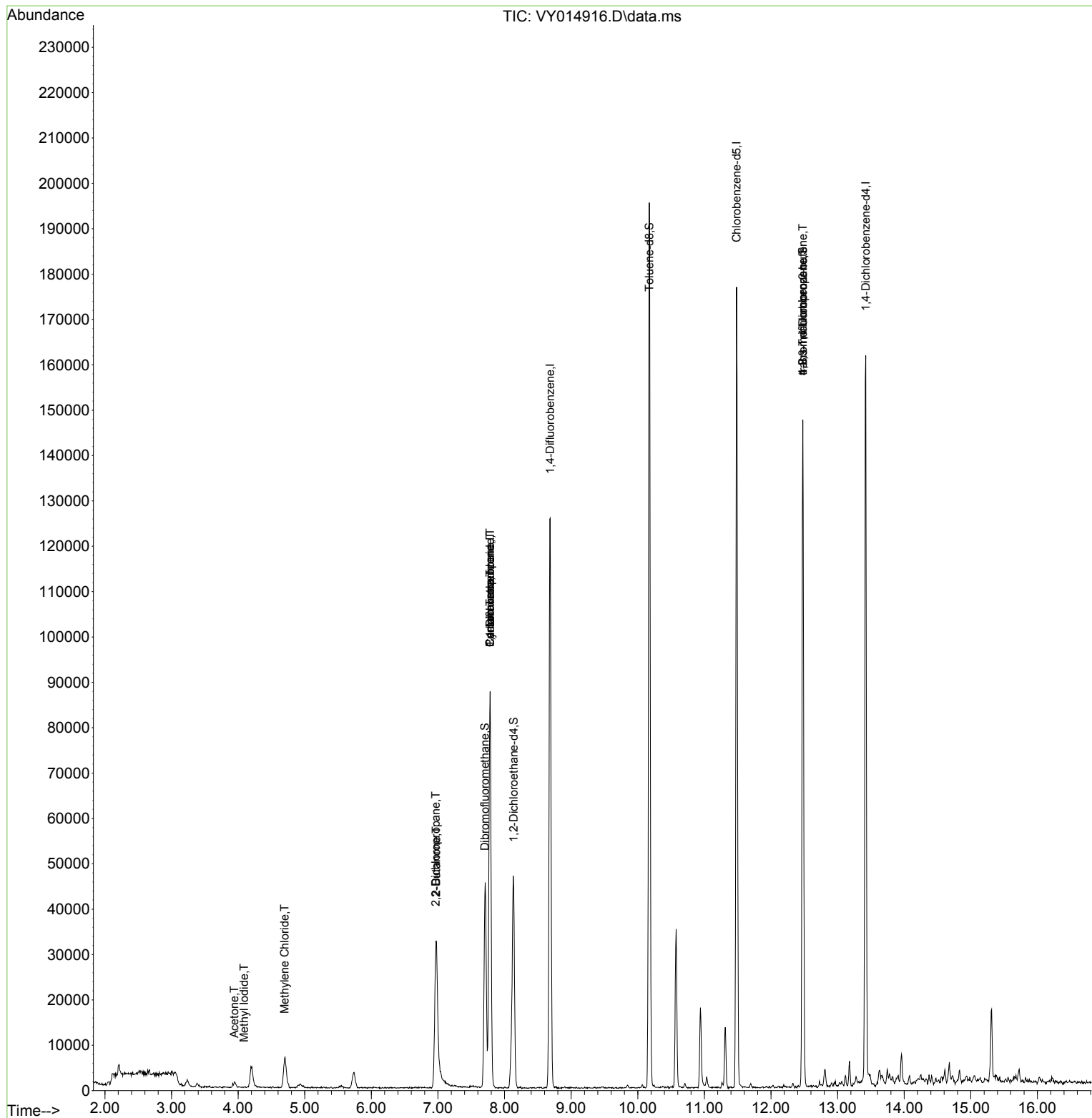
Internal Standards						
1) Pentafluorobenzene	7.783	168	67228	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	110255	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.484	117	95203	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	40463	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	33308	43.478	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	86.960%
35) Dibromofluoromethane	7.704	113	32142	45.796	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.600%
50) Toluene-d8	10.173	98	129571	50.074	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.140%
62) 4-Bromofluorobenzene	12.477	95	40232	40.549	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.100%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.089	142	19	2.394	ug/l #	38
11) Tert butyl alcohol	4.936	59	1095	Below Cal	#	89
16) Acetone	3.942	43	2104	8.667	ug/l	97
20) Methylene Chloride	4.698	84	5010	2.326	ug/l	86
25) 2-Butanone	6.972	43	1904	5.361	ug/l #	78
26) 2,2-Dichloropropane	6.966	77	1344	1.031	ug/l #	54
31) Cyclohexane	7.783	56	1571	1.235	ug/l #	28
36) 1,1-Dichloropropene	7.783	75	5524	5.263	ug/l #	49
38) Carbon Tetrachloride	7.783	117	6847	6.171	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	21407	41.889	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	21407	81.105	ug/l #	10

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

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Quant Title : SW846 8260
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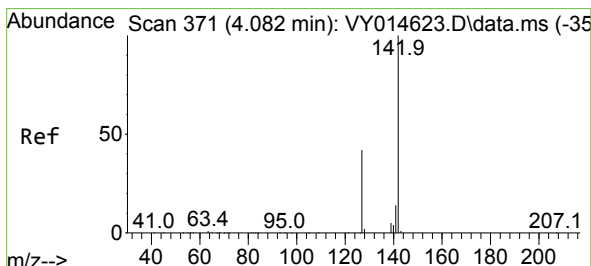
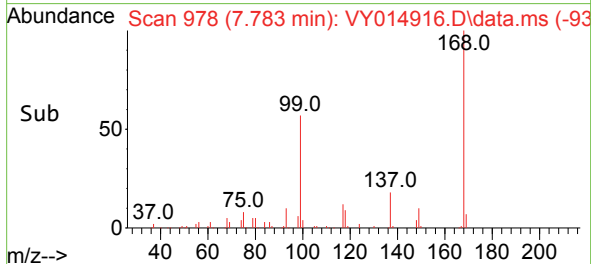
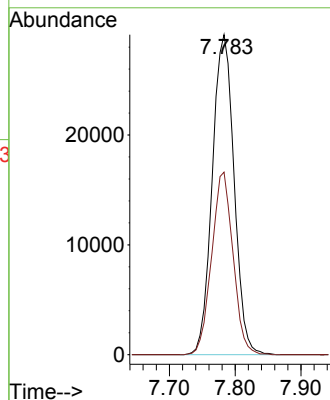
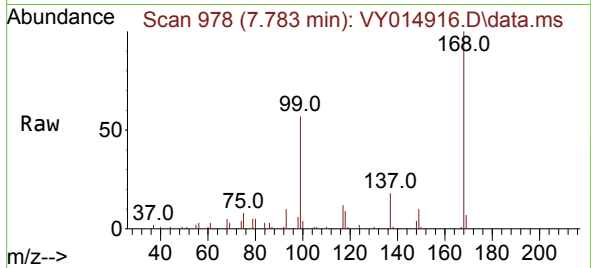




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014916.D
Acq: 28 Jul 2023 18:09

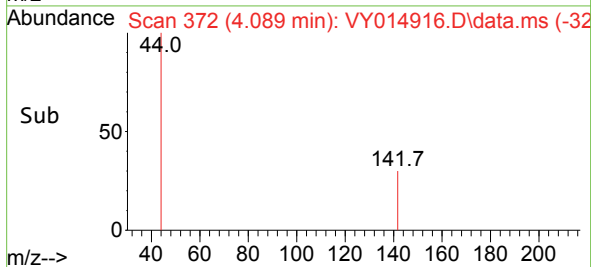
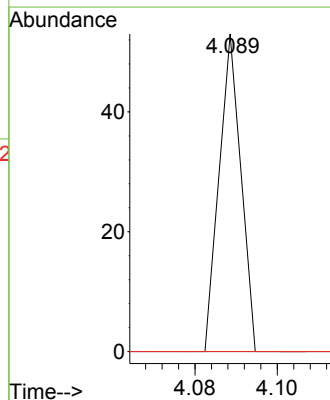
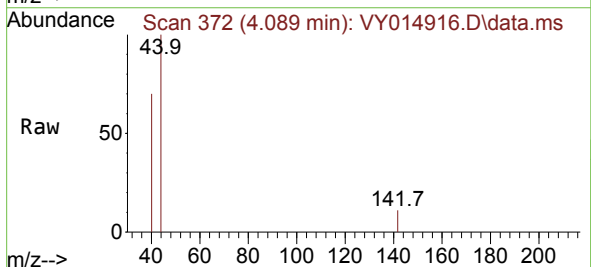
Instrument :
MSVOA_Y
ClientSampleId :
HR-01-072823

Tgt Ion:168 Resp: 67228
Ion Ratio Lower Upper
168 100
99 57.1 43.4 65.0



#10
Methyl Iodide
Concen: 2.394 ug/l
RT: 4.089 min Scan# 372
Delta R.T. 0.007 min
Lab File: VY014916.D
Acq: 28 Jul 2023 18:09

Tgt Ion:142 Resp: 19
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#





#16

Acetone

Concen: 8.667 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.000 min

Lab File: VY014916.D

Acq: 28 Jul 2023 18:09

Instrument :

MSVOA_Y

ClientSampleId :

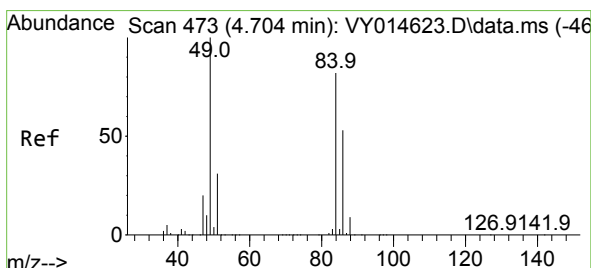
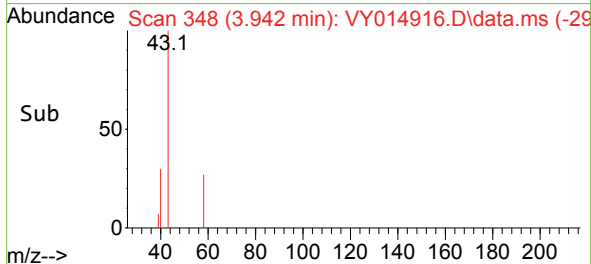
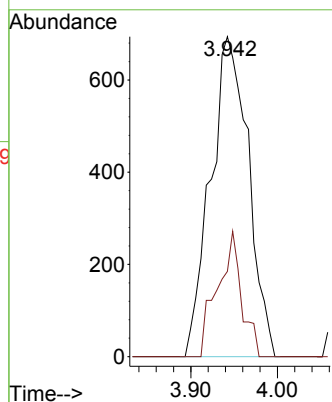
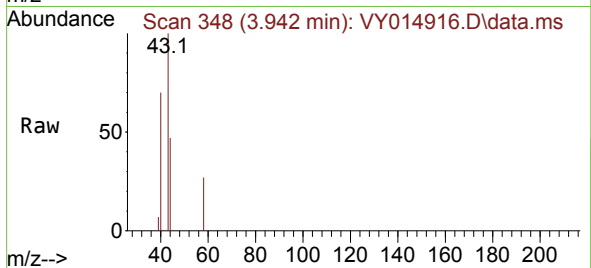
HR-01-072823

Tgt Ion: 43 Resp: 2104

Ion Ratio Lower Upper

43 100

58 26.7 22.7 34.1



#20

Methylene Chloride

Concen: 2.326 ug/l

RT: 4.698 min Scan# 472

Delta R.T. -0.006 min

Lab File: VY014916.D

Acq: 28 Jul 2023 18:09

Tgt Ion: 84 Resp: 5010

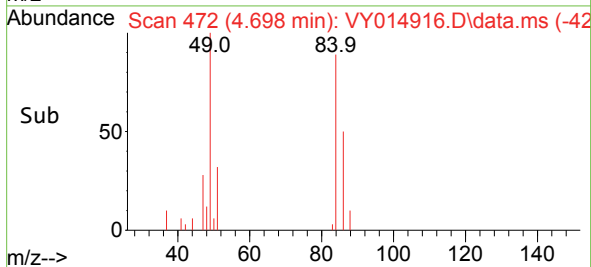
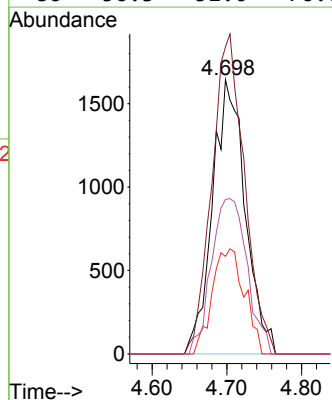
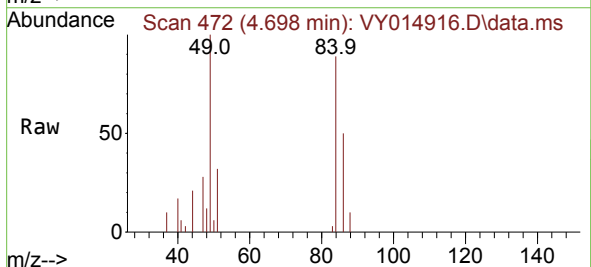
Ion Ratio Lower Upper

84 100

49 111.9 106.9 160.3

51 35.6 33.2 49.8

86 56.3 51.0 76.6

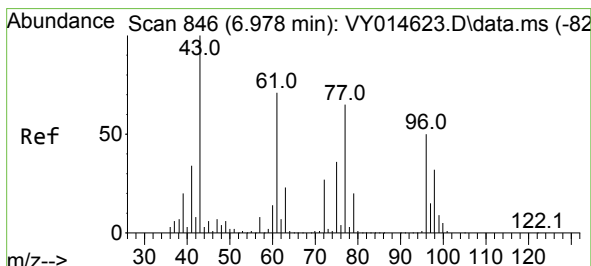
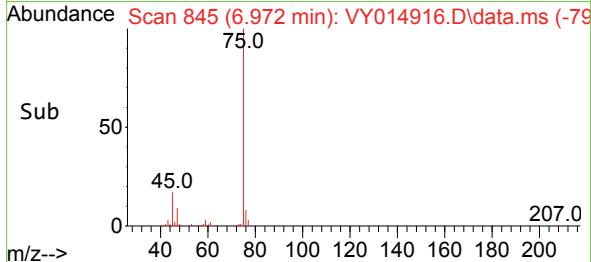
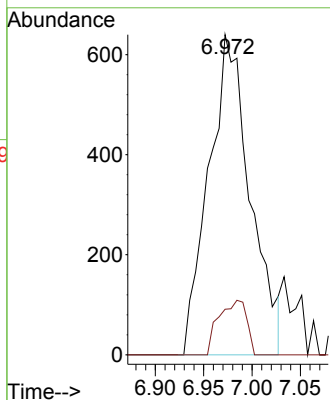
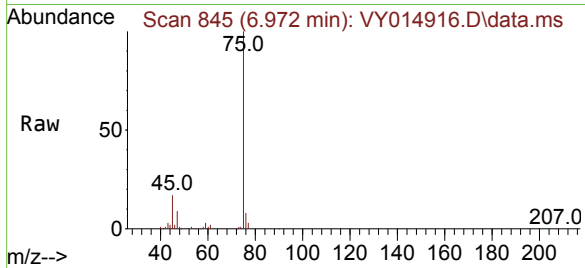




#25
2-Butanone
Concen: 5.361 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY014916.D
Acq: 28 Jul 2023 18:09

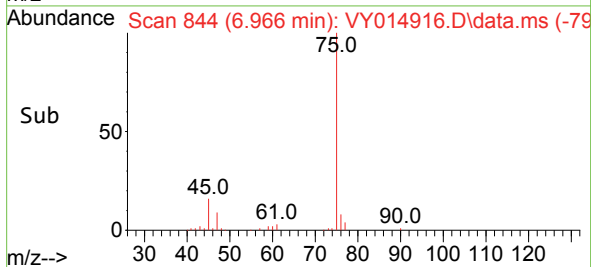
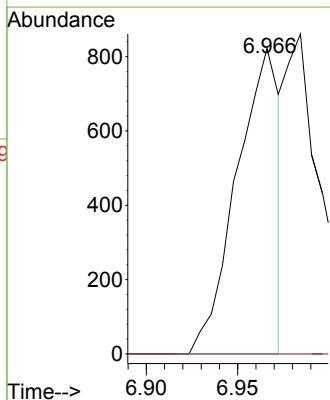
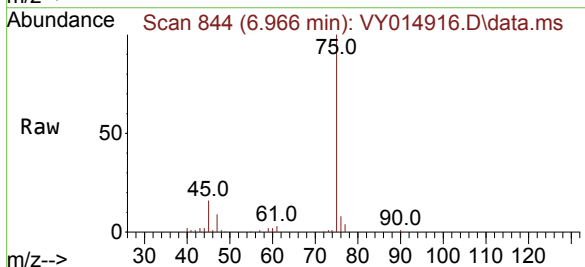
Instrument :
MSVOA_Y
ClientSampleId :
HR-01-072823

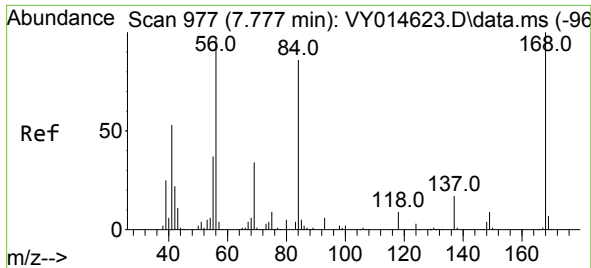
Tgt Ion: 43 Resp: 1904
Ion Ratio Lower Upper
43 100
72 14.2 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 1.031 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.012 min
Lab File: VY014916.D
Acq: 28 Jul 2023 18:09

Tgt Ion: 77 Resp: 1344
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

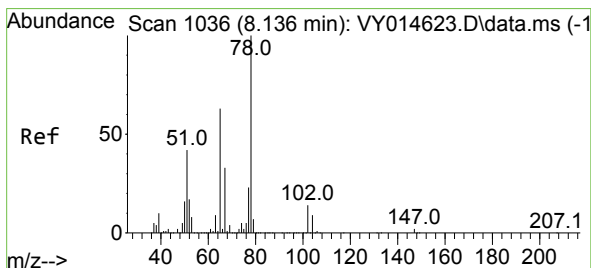
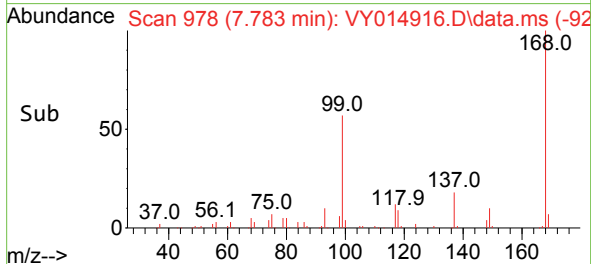
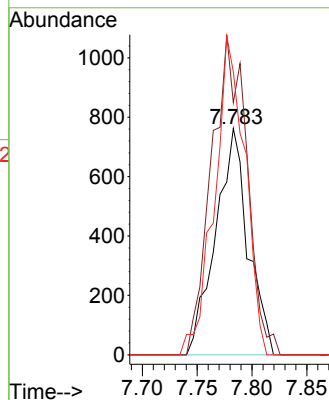
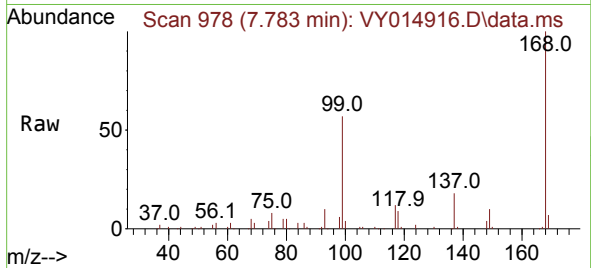




#31
Cyclohexane
Concen: 1.235 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014916.D
Acq: 28 Jul 2023 18:09

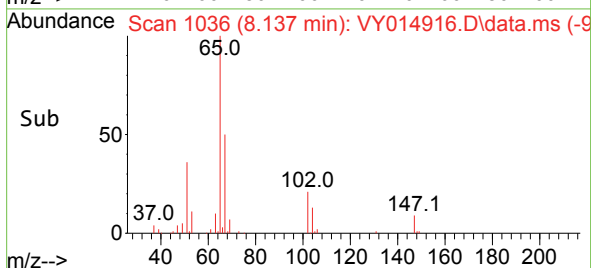
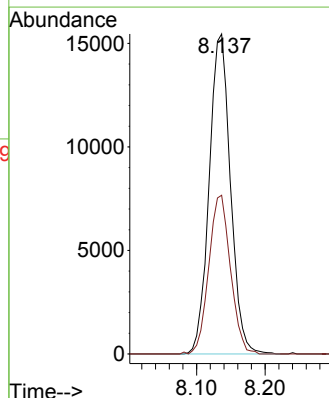
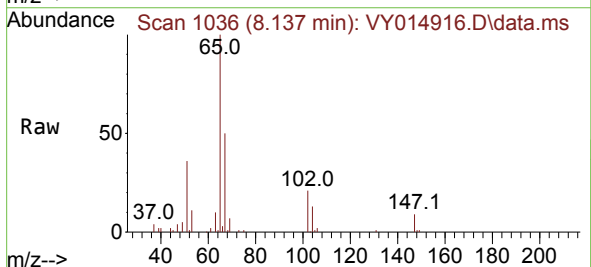
Instrument :
MSVOA_Y
ClientSampleId :
HR-01-072823

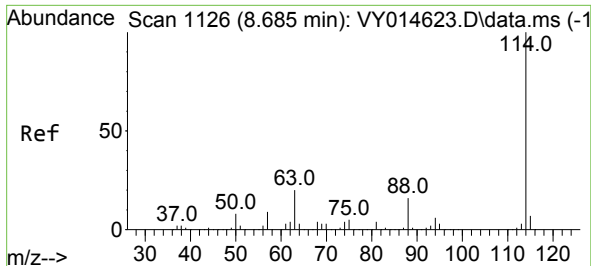
Tgt Ion: 56 Resp: 1571
Ion Ratio Lower Upper
56 100
69 111.4 27.8 41.6#
84 125.1 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 43.478 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY014916.D
Acq: 28 Jul 2023 18:09

Tgt Ion: 65 Resp: 33308
Ion Ratio Lower Upper
65 100
67 50.5 0.0 101.8

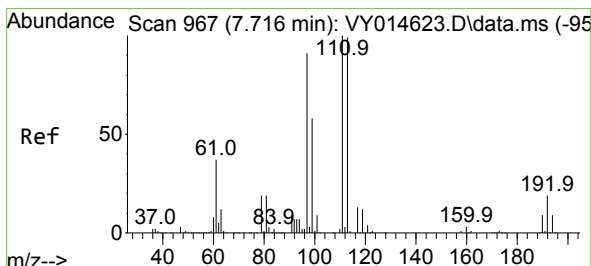
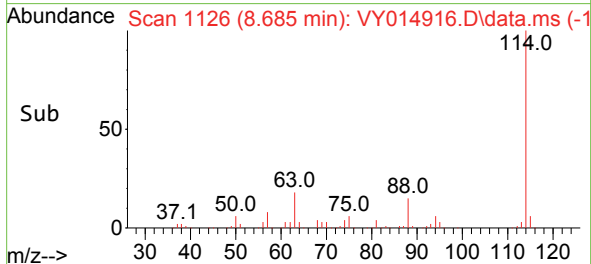
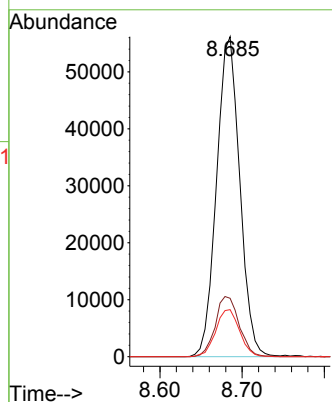
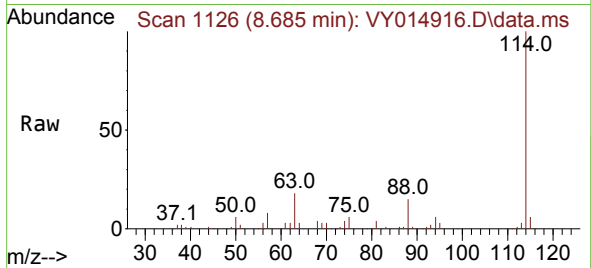




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY014916.D
Acq: 28 Jul 2023 18:09

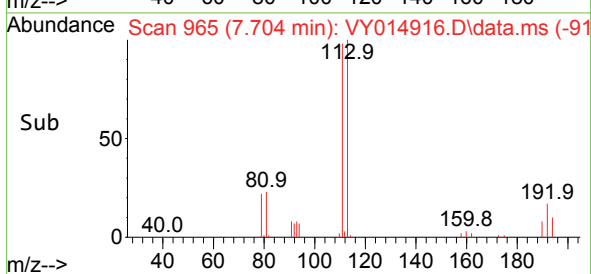
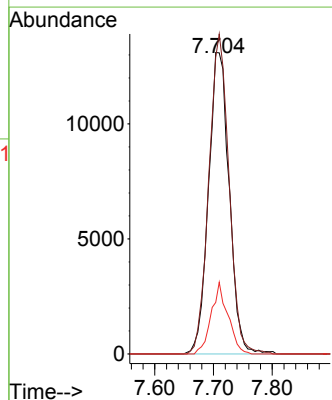
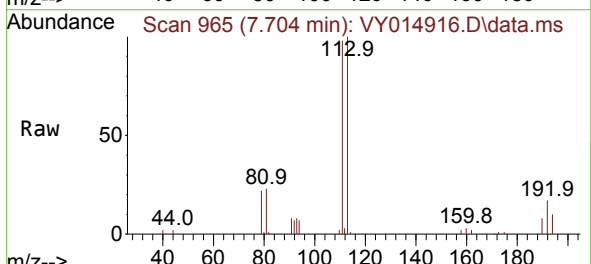
Instrument :
MSVOA_Y
ClientSampleId :
HR-01-072823

Tgt Ion:114 Resp: 110255
Ion Ratio Lower Upper
114 100
63 18.2 0.0 42.4
88 14.7 0.0 30.6



#35
Dibromofluoromethane
Concen: 45.796 ug/l
RT: 7.704 min Scan# 965
Delta R.T. -0.012 min
Lab File: VY014916.D
Acq: 28 Jul 2023 18:09

Tgt Ion:113 Resp: 32142
Ion Ratio Lower Upper
113 100
111 103.0 81.3 121.9
192 19.2 16.9 25.3

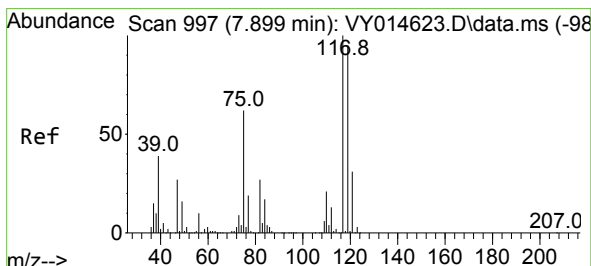
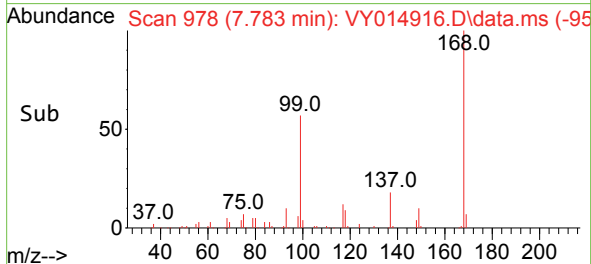
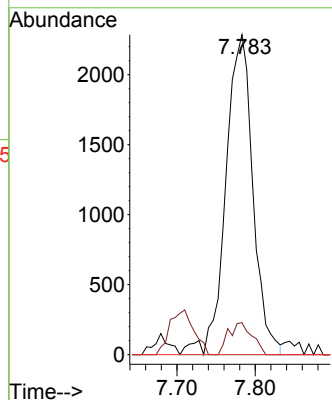
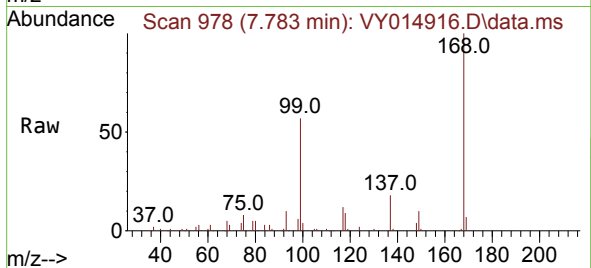




#36
 1,1-Dichloropropene
 Concen: 5.263 ug/l
 RT: 7.783 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY014916.D
 Acq: 28 Jul 2023 18:09

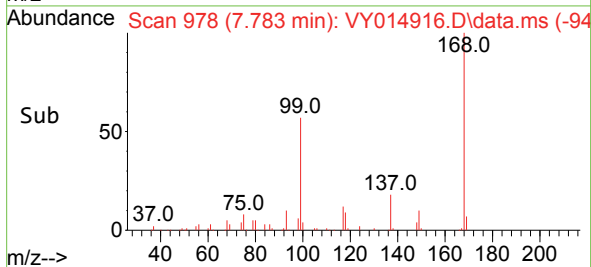
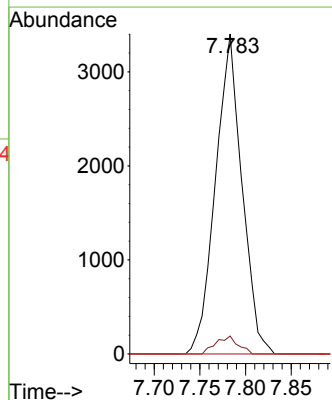
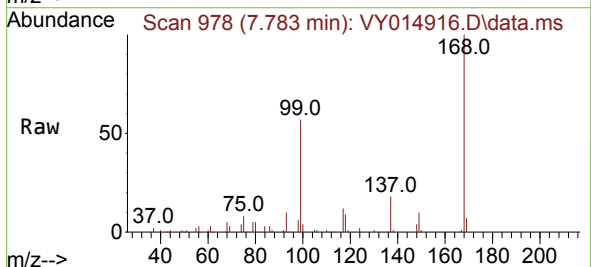
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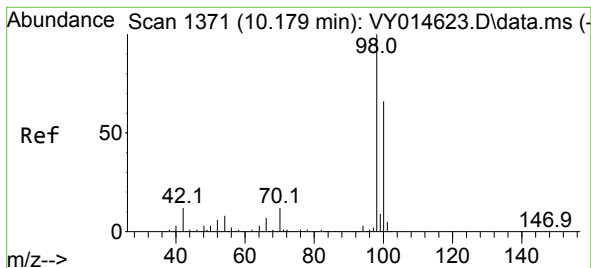
Tgt Ion: 75 Resp: 5524
 Ion Ratio Lower Upper
 75 100
 110 8.7 17.8 53.5#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 6.171 ug/l
 RT: 7.783 min Scan# 978
 Delta R.T. -0.116 min
 Lab File: VY014916.D
 Acq: 28 Jul 2023 18:09

Tgt Ion: 117 Resp: 6847
 Ion Ratio Lower Upper
 117 100
 119 5.6 76.4 114.6#
 121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 50.074 ug/l

RT: 10.173 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY014916.D

Acq: 28 Jul 2023 18:09

Instrument :

MSVOA_Y

ClientSampleId :

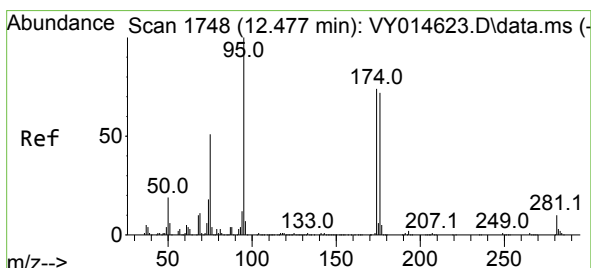
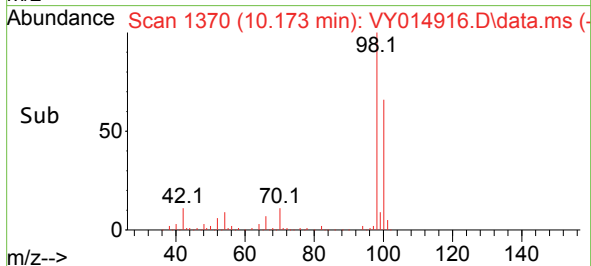
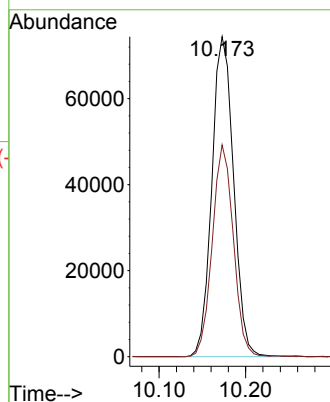
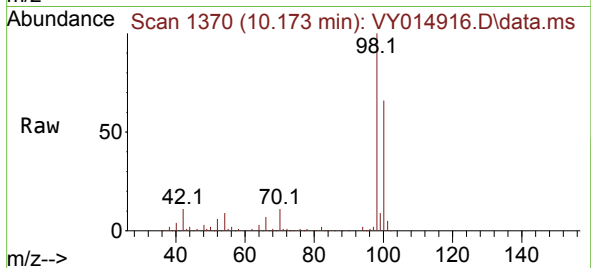
HR-01-072823

Tgt Ion: 98 Resp: 129571

Ion Ratio Lower Upper

98 100

100 64.3 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 40.549 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY014916.D

Acq: 28 Jul 2023 18:09

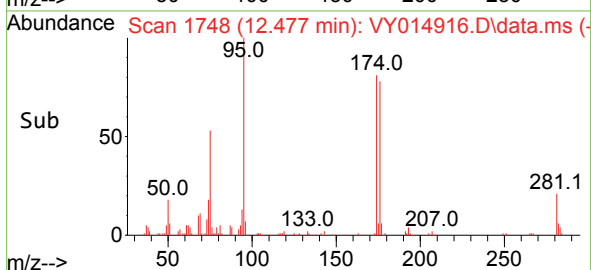
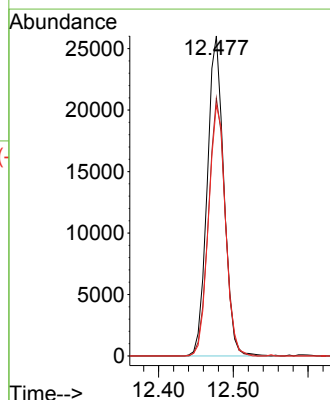
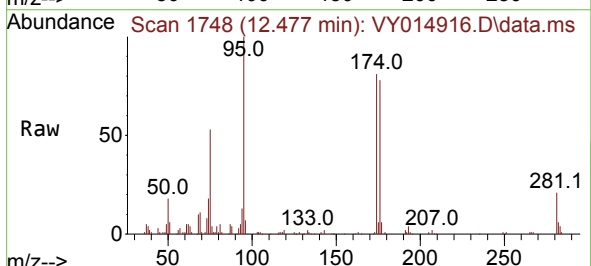
Tgt Ion: 95 Resp: 40232

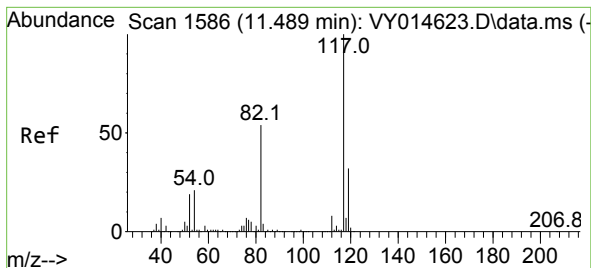
Ion Ratio Lower Upper

95 100

174 81.2 0.0 178.2

176 79.9 0.0 173.8

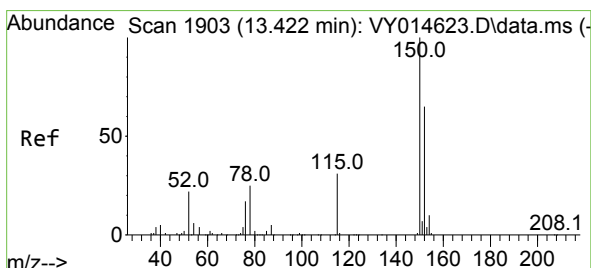
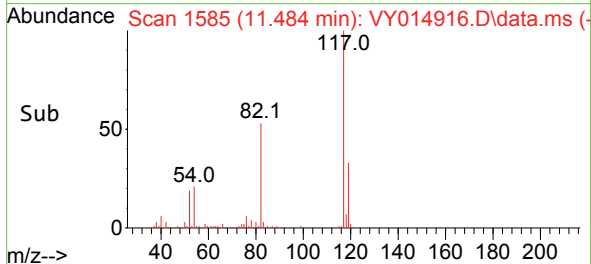
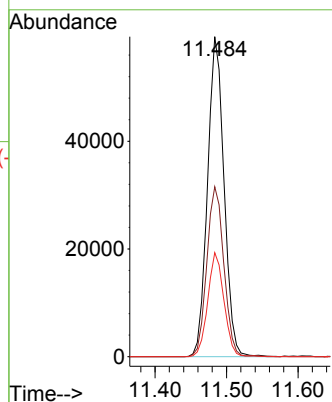
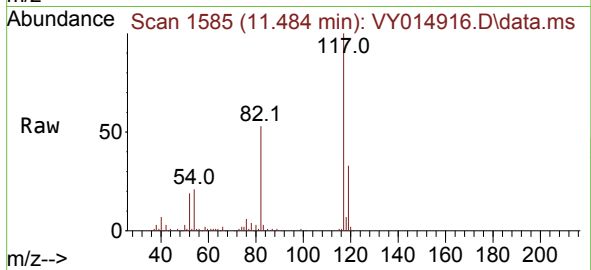




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.484 min Scan# 117
Delta R.T. -0.005 min
Lab File: VY014916.D
Acq: 28 Jul 2023 18:09

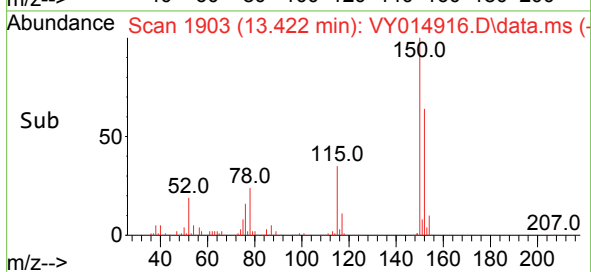
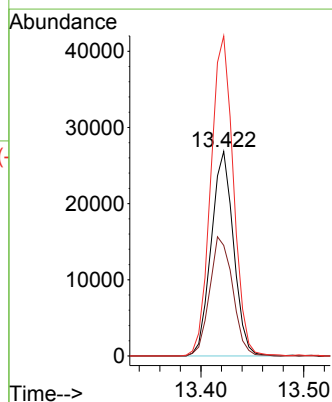
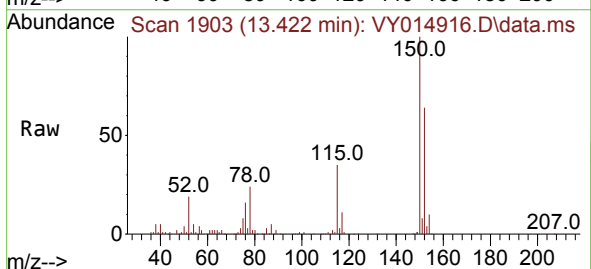
Instrument :
MSVOA_Y
ClientSampleId :
HR-01-072823

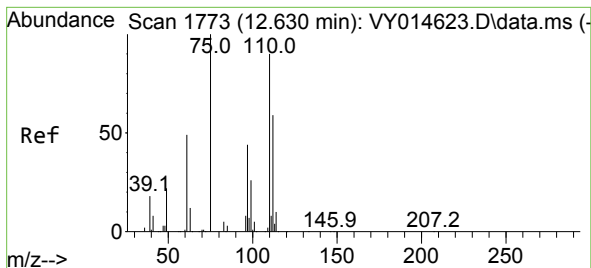
Tgt Ion:117 Resp: 95203
Ion Ratio Lower Upper
117 100
82 53.1 43.4 65.0
119 32.5 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY014916.D
Acq: 28 Jul 2023 18:09

Tgt Ion:152 Resp: 40463
Ion Ratio Lower Upper
152 100
115 60.2 28.8 86.5
150 158.7 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 41.889 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY014916.D

Acq: 28 Jul 2023 18:09

Instrument :

MSVOA_Y

ClientSampleId :

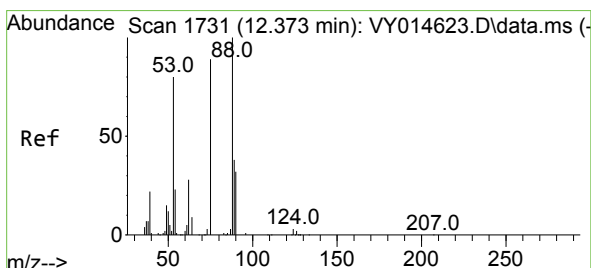
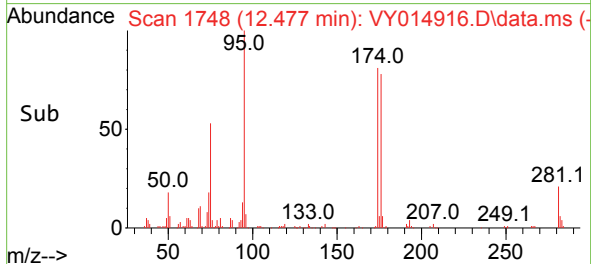
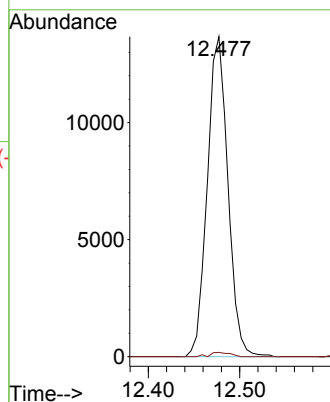
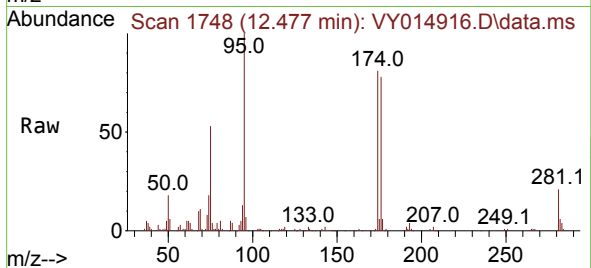
HR-01-072823

Tgt Ion: 75 Resp: 21407

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 81.105 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.104 min

Lab File: VY014916.D

Acq: 28 Jul 2023 18:09

Tgt Ion: 75 Resp: 21407

Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.0 37.4 56.0#

