

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011924\
 Data File : VY017051.D
 Acq On : 19 Jan 2024 13:25
 Operator : SY/MD
 Sample : P1184-04
 Misc : 4.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUP-1

Quant Time: Jan 19 22:21:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 02 14:25:32 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.819	168	99222	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.716	114	212923	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.514	117	204258	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.446	152	76346	50.000	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.173	65	48333	49.286	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.580%
35) Dibromofluoromethane	7.746	113	50590	37.286	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	74.580%
50) Toluene-d8	10.203	98	185444	39.691	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	79.380%
62) 4-Bromofluorobenzene	12.508	95	58275	36.968	ug/l	0.02
Spiked Amount	50.000	Range	30 - 143	Recovery	=	73.940%

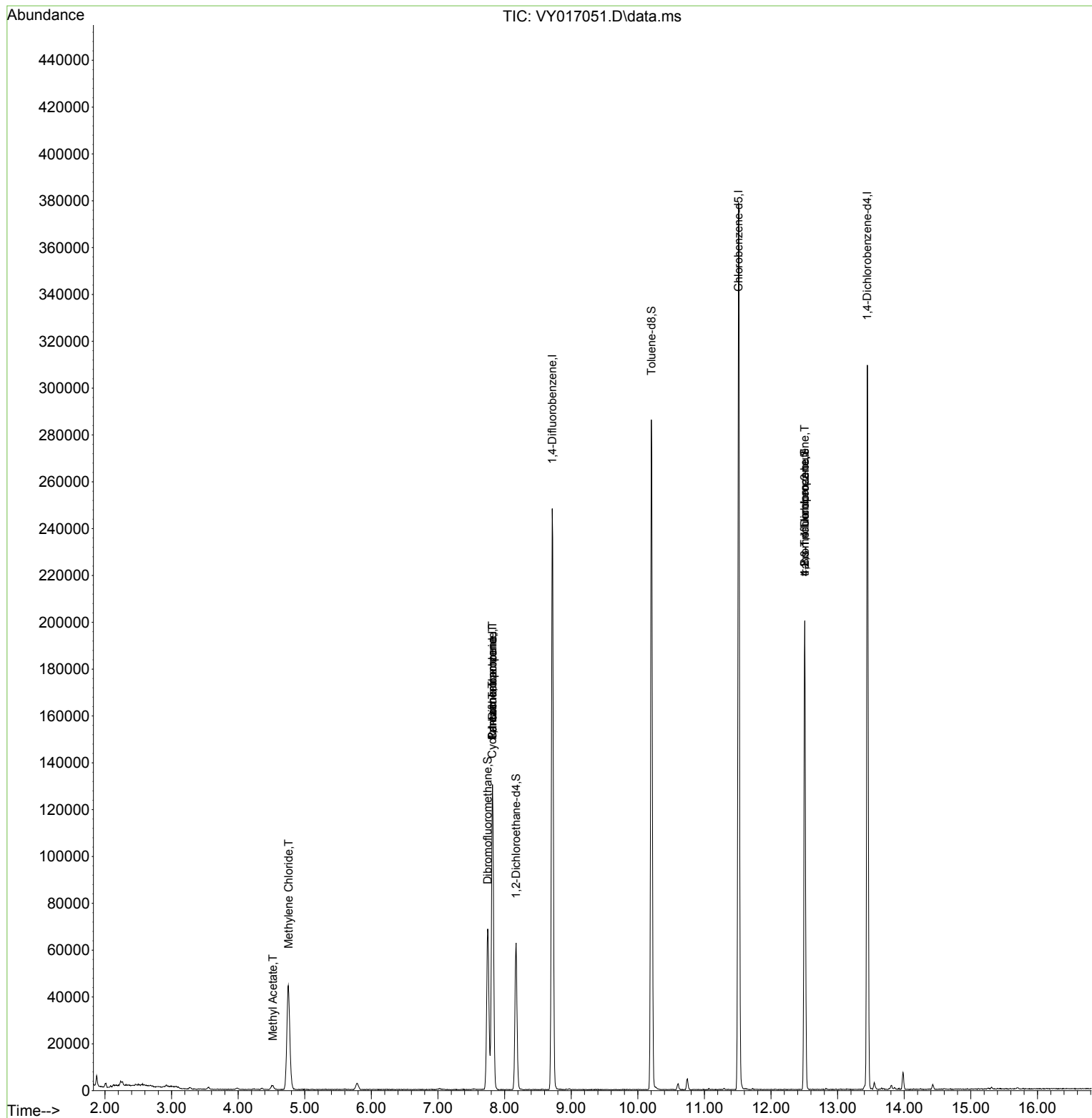
Target Compounds					Qvalue
11) Tert butyl alcohol	4.972	59	19	Below Cal	# 75
16) Acetone	3.979	43	1026	Below Cal	98
18) Methyl Acetate	4.521	43	3599	3.425	ug/l 99
20) Methylene Chloride	4.759	84	34063	22.429	ug/l 98
25) 2-Butanone	7.027	43	20	Below Cal	# 48
31) Cyclohexane	7.813	56	2216	1.317	ug/l # 10
36) 1,1-Dichloropropene	7.819	75	8479	4.288	ug/l # 50
38) Carbon Tetrachloride	7.819	117	10069	5.012	ug/l # 16
76) 1,2,3-Trichloropropane	12.508	75	30503	36.817	ug/l # 100
81) trans-1,4-Dichloro-2-b...	12.508	75	30503	83.603	ug/l # 12

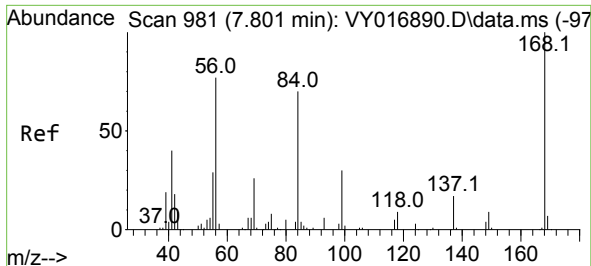
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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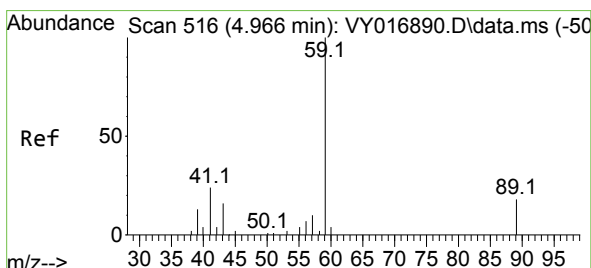
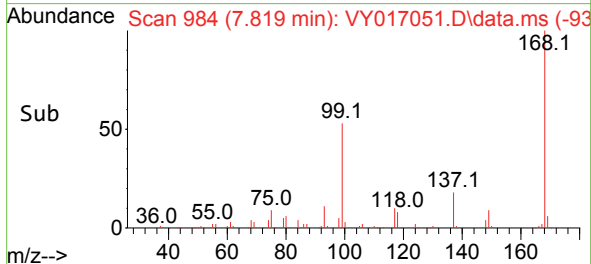
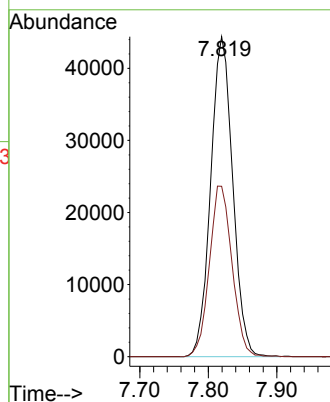
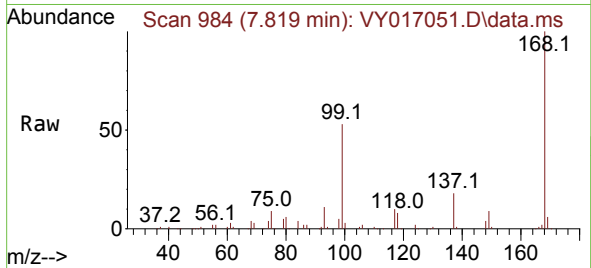




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.819 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY017051.D
Acq: 19 Jan 2024 13:25

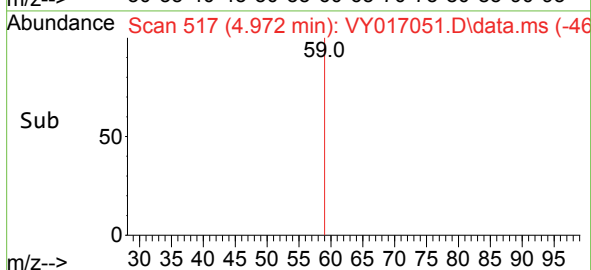
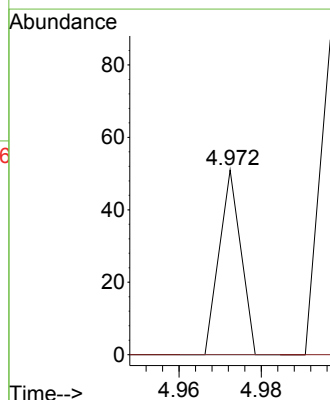
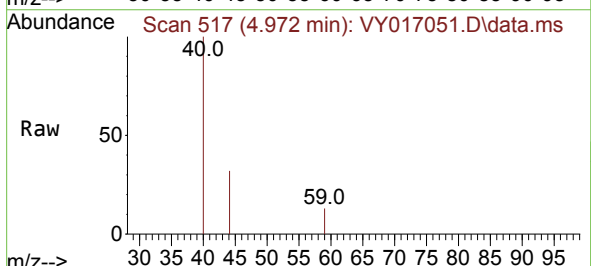
Instrument :
MSVOA_Y
ClientSampleId :
DUP-1

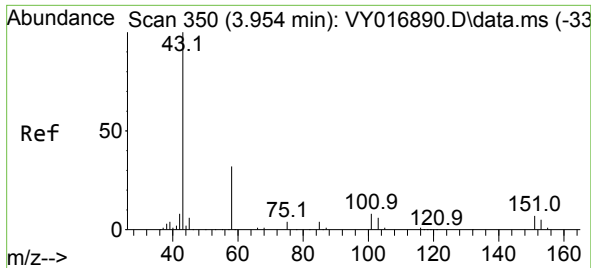
Tgt Ion:168 Resp: 99222
Ion Ratio Lower Upper
168 100
99 53.2 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.972 min Scan# 517
Delta R.T. 0.006 min
Lab File: VY017051.D
Acq: 19 Jan 2024 13:25

Tgt Ion: 59 Resp: 19
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#

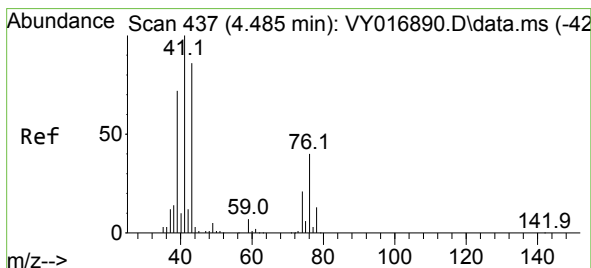
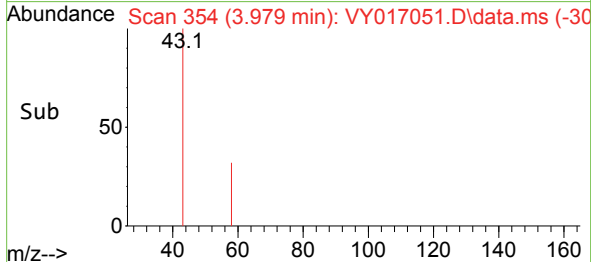
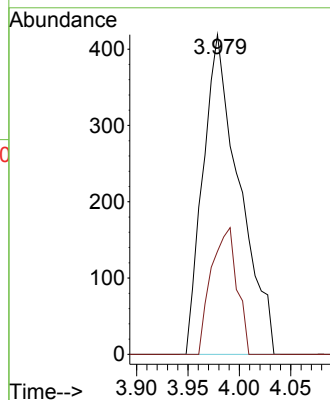
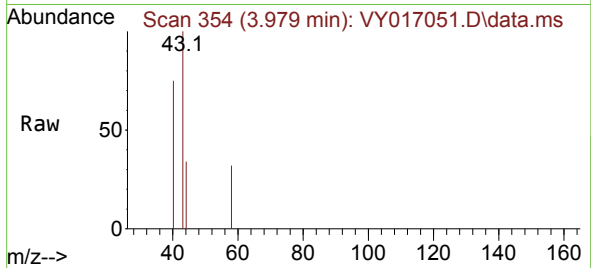




#16
Acetone
Concen: Below Cal
RT: 3.979 min Scan# 311
Delta R.T. 0.019 min
Lab File: VY017051.D
Acq: 19 Jan 2024 13:25

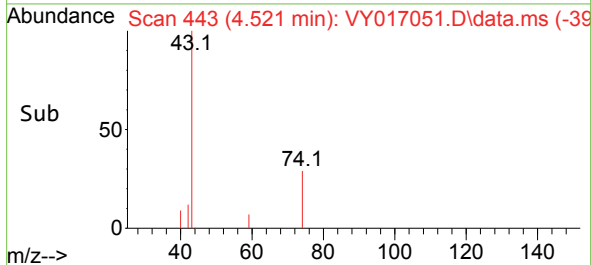
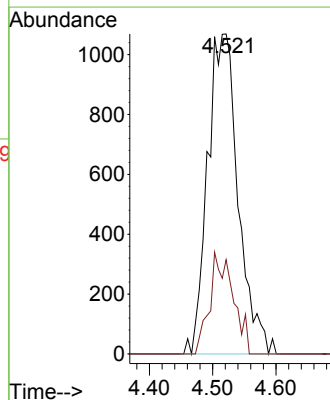
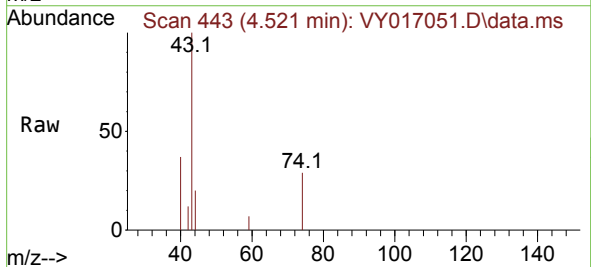
Instrument :
MSVOA_Y
ClientSampleId :
DUP-1

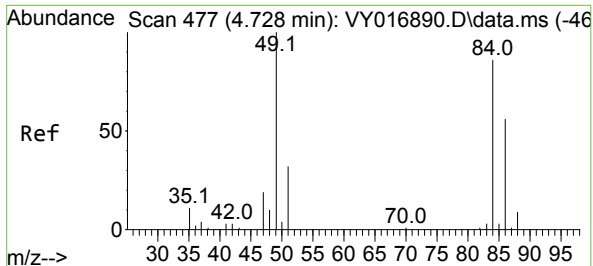
Tgt Ion: 43 Resp: 1026
Ion Ratio Lower Upper
43 100
58 32.2 26.6 39.8



#18
Methyl Acetate
Concen: 3.425 ug/l
RT: 4.521 min Scan# 443
Delta R.T. 0.024 min
Lab File: VY017051.D
Acq: 19 Jan 2024 13:25

Tgt Ion: 43 Resp: 3599
Ion Ratio Lower Upper
43 100
74 24.3 19.8 29.6





#20

Methylene Chloride

Concen: 22.429 ug/l

RT: 4.759 min Scan# 41

Delta R.T. 0.025 min

Lab File: VY017051.D

Acq: 19 Jan 2024 13:25

Instrument :

MSVOA_Y

ClientSampleId :

DUP-1

Tgt Ion: 84 Resp: 34063

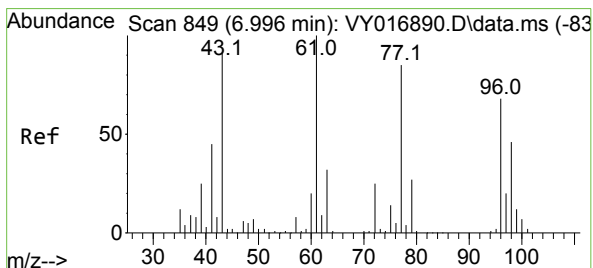
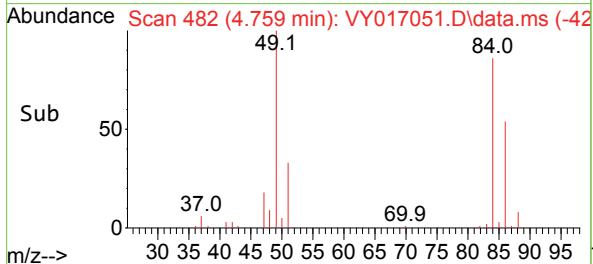
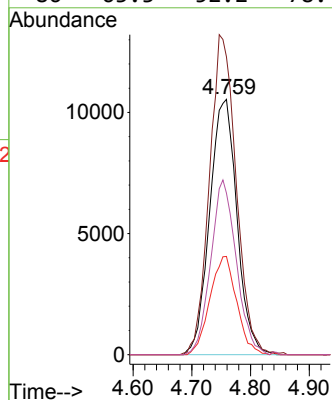
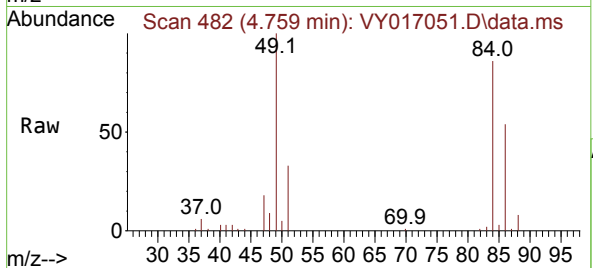
Ion Ratio Lower Upper

84 100

49 116.6 95.2 142.8

51 38.5 29.9 44.9

86 63.3 52.2 78.4



#25

2-Butanone

Concen: Below Cal

RT: 7.027 min Scan# 854

Delta R.T. 0.031 min

Lab File: VY017051.D

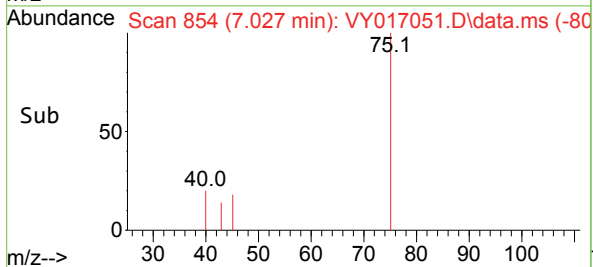
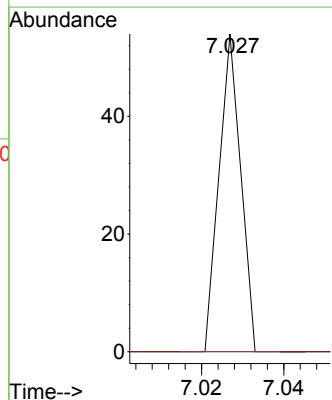
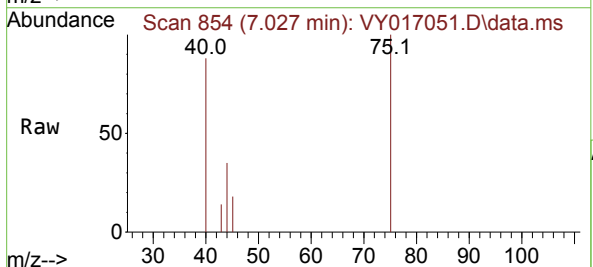
Acq: 19 Jan 2024 13:25

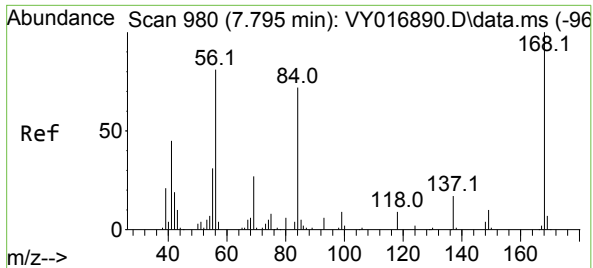
Tgt Ion: 43 Resp: 20

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#

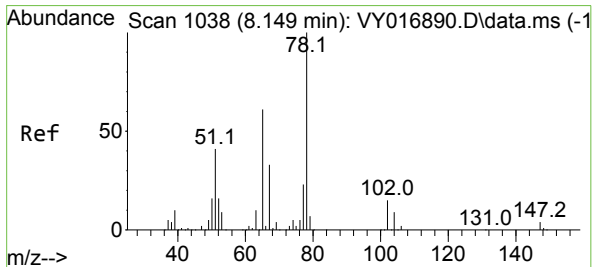
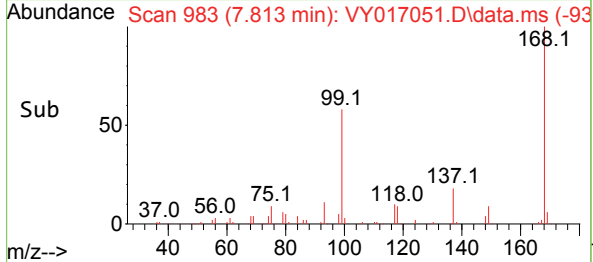
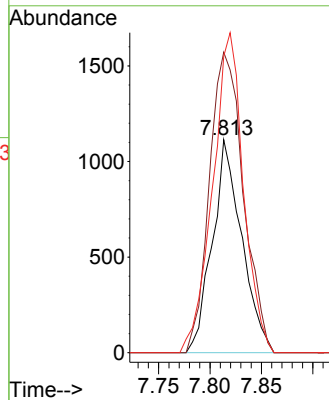
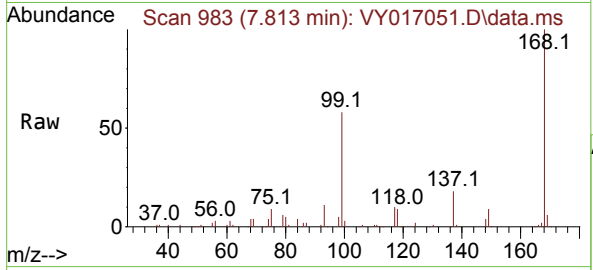




#31
Cyclohexane
Concen: 1.317 ug/l
RT: 7.813 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY017051.D
Acq: 19 Jan 2024 13:25

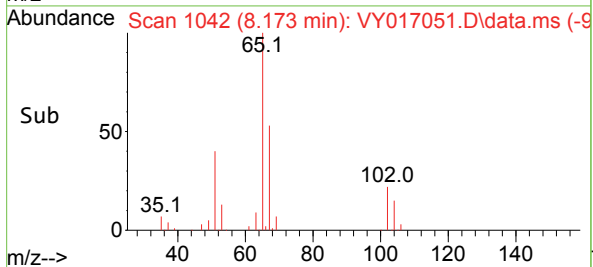
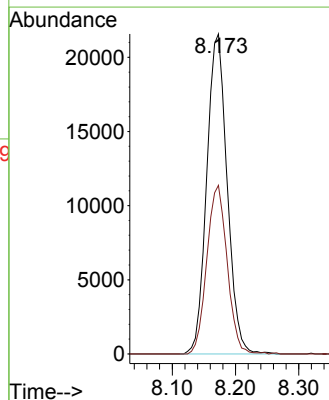
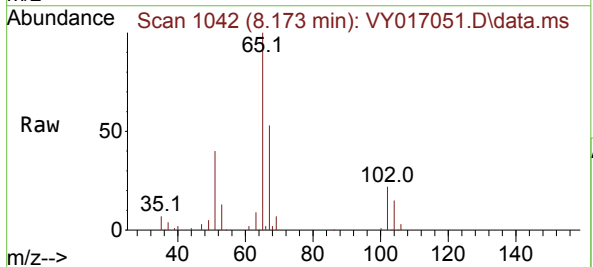
Instrument :
MSVOA_Y
ClientSampleId :
DUP-1

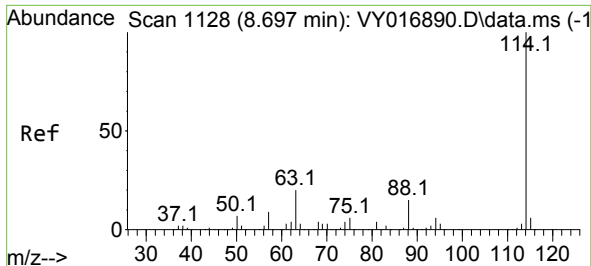
Tgt Ion: 56 Resp: 2216
Ion Ratio Lower Upper
56 100
69 141.1 27.0 40.6#
84 139.1 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 49.286 ug/l
RT: 8.173 min Scan# 1042
Delta R.T. 0.018 min
Lab File: VY017051.D
Acq: 19 Jan 2024 13:25

Tgt Ion: 65 Resp: 48333
Ion Ratio Lower Upper
65 100
67 52.5 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.716 min Scan# 1128

Delta R.T. 0.013 min

Lab File: VY017051.D

Acq: 19 Jan 2024 13:25

Instrument :

MSVOA_Y

ClientSampleId :

DUP-1

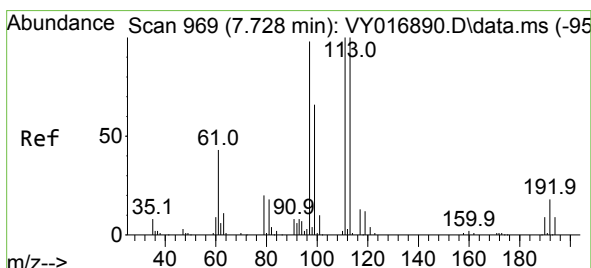
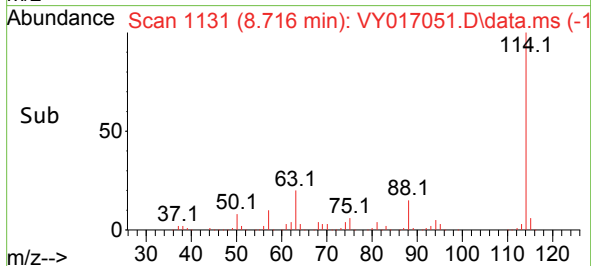
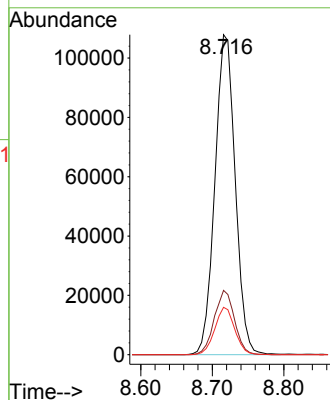
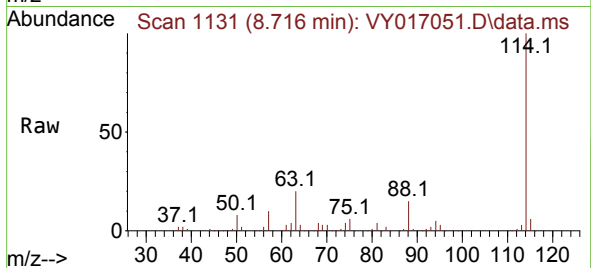
Tgt Ion:114 Resp: 212923

Ion Ratio Lower Upper

114 100

63 20.1 0.0 37.4

88 14.8 0.0 29.0



#35

Dibromofluoromethane

Concen: 37.286 ug/l

RT: 7.746 min Scan# 972

Delta R.T. 0.018 min

Lab File: VY017051.D

Acq: 19 Jan 2024 13:25

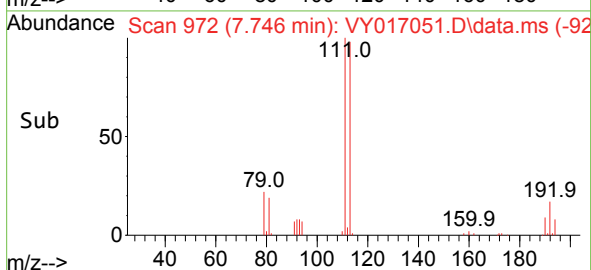
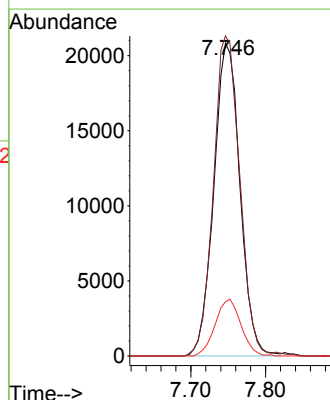
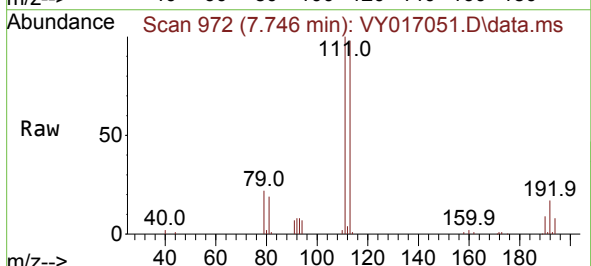
Tgt Ion:113 Resp: 50590

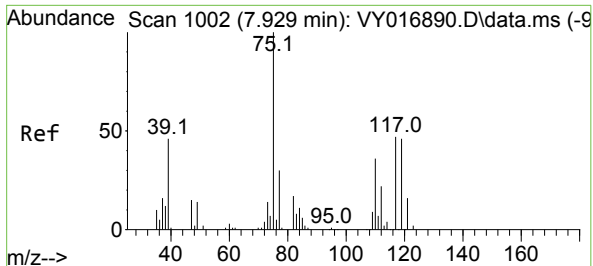
Ion Ratio Lower Upper

113 100

111 103.4 83.8 125.6

192 17.9 14.5 21.7





#36

1,1-Dichloropropene

Concen: 4.288 ug/l

RT: 7.819 min Scan# 984

Delta R.T. -0.110 min

Lab File: VY017051.D

Acq: 19 Jan 2024 13:25

Instrument :

MSVOA_Y

ClientSampleId :

DUP-1

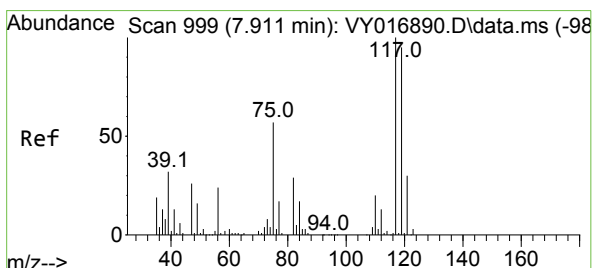
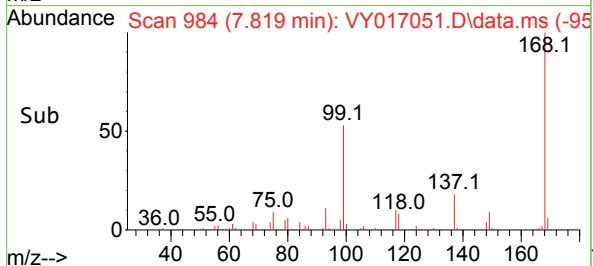
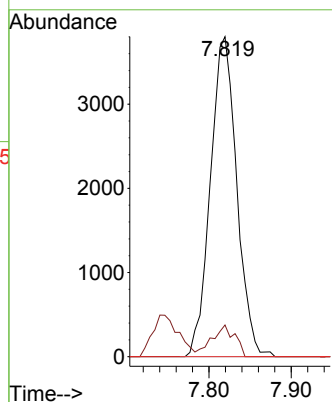
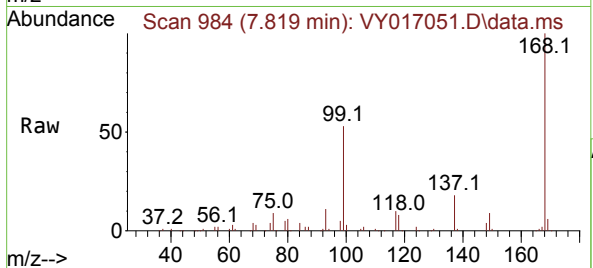
Tgt Ion: 75 Resp: 8479

Ion Ratio Lower Upper

75 100

110 8.6 17.4 52.3#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.012 ug/l

RT: 7.819 min Scan# 984

Delta R.T. -0.098 min

Lab File: VY017051.D

Acq: 19 Jan 2024 13:25

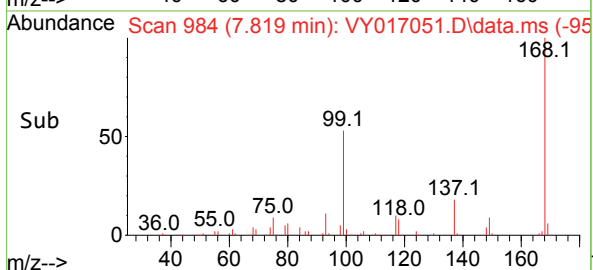
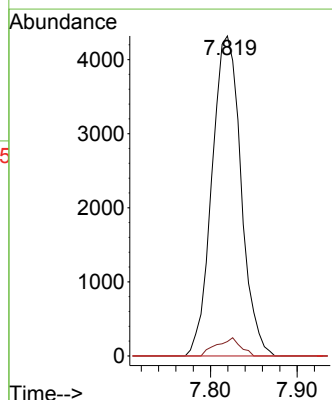
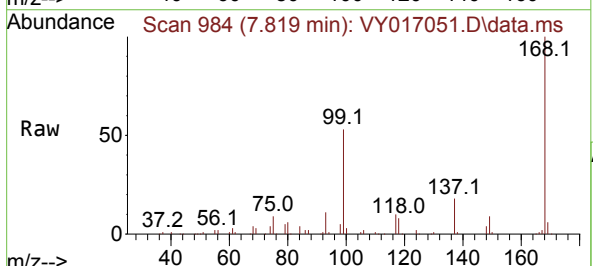
Tgt Ion: 117 Resp: 10069

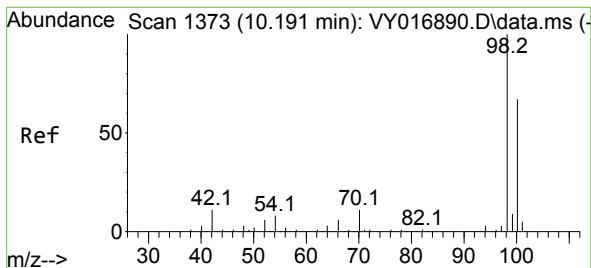
Ion Ratio Lower Upper

117 100

119 4.5 76.0 114.0#

121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 39.691 ug/l

RT: 10.203 min Scan# 1

Delta R.T. 0.012 min

Lab File: VY017051.D

Acq: 19 Jan 2024 13:25

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MSVOA_Y

ClientSampleId :

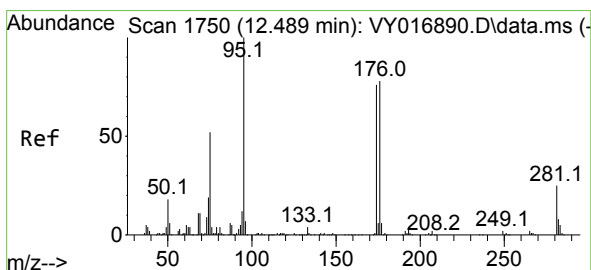
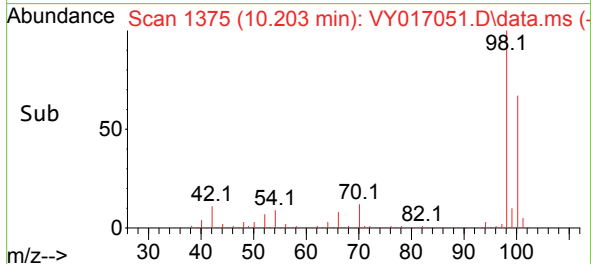
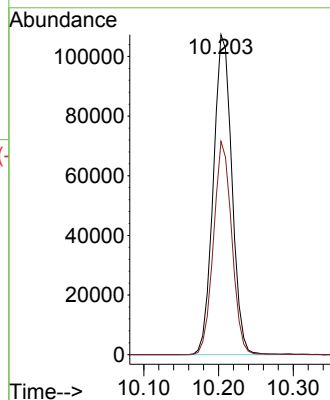
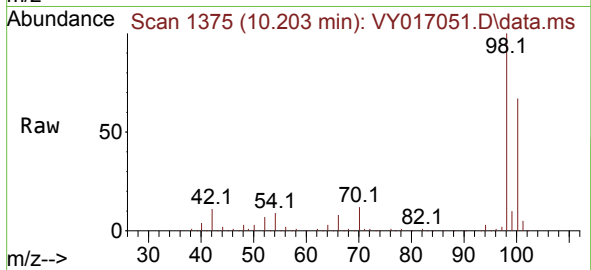
DUP-1

Tgt Ion: 98 Resp: 185444

Ion Ratio Lower Upper

98 100

100 65.6 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 36.968 ug/l

RT: 12.508 min Scan# 1753

Delta R.T. 0.019 min

Lab File: VY017051.D

Acq: 19 Jan 2024 13:25

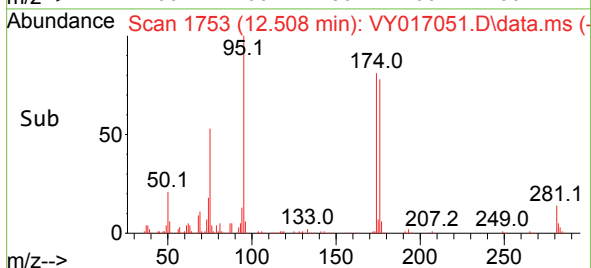
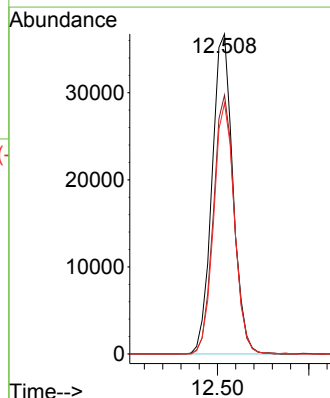
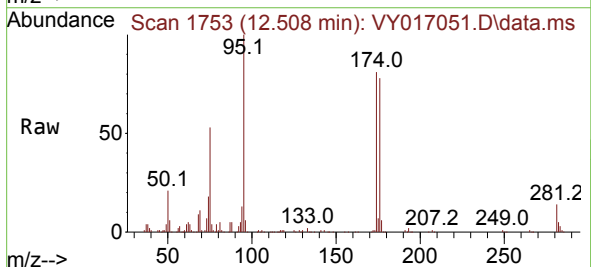
Tgt Ion: 95 Resp: 58275

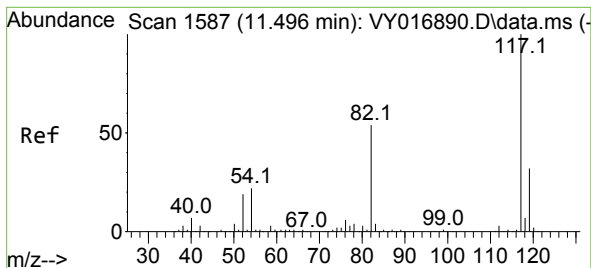
Ion Ratio Lower Upper

95 100

174 81.0 0.0 160.0

176 77.8 0.0 151.8

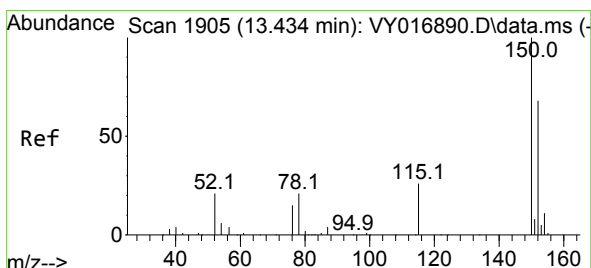
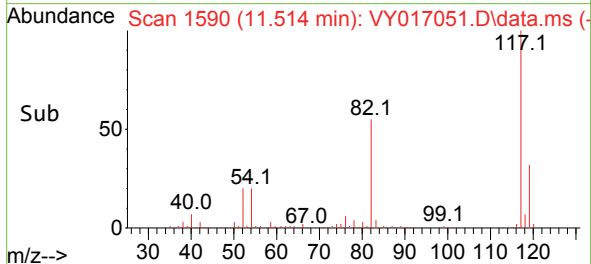
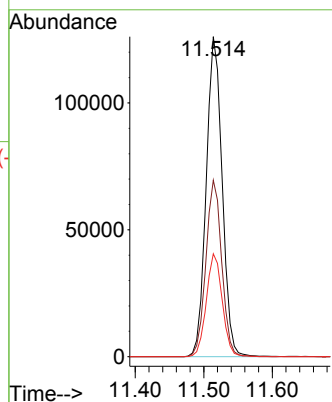
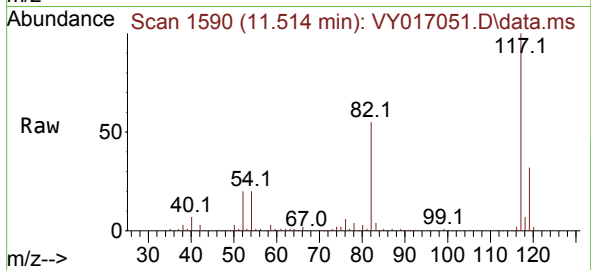




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.514 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY017051.D
Acq: 19 Jan 2024 13:25

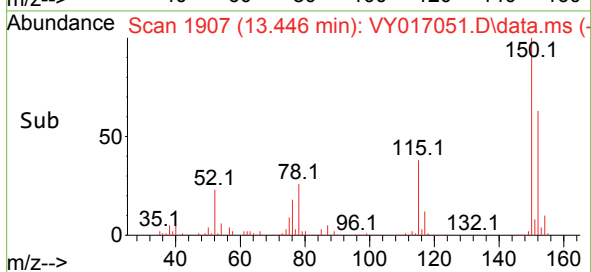
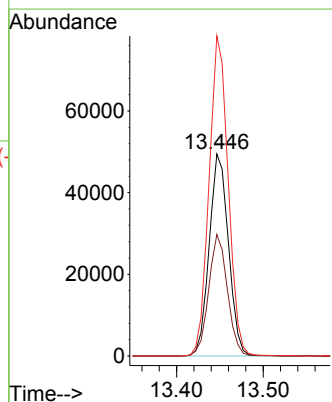
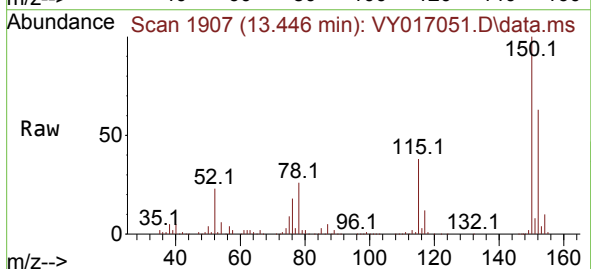
Instrument :
MSVOA_Y
ClientSampleId :
DUP-1

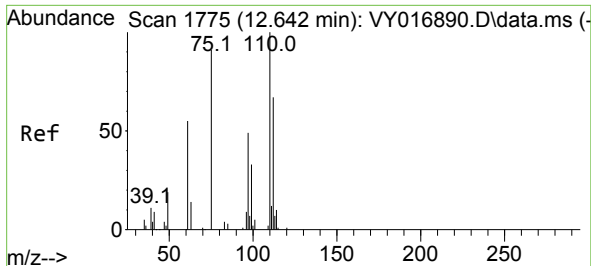
Tgt Ion:117 Resp: 204258
Ion Ratio Lower Upper
117 100
82 55.2 43.8 65.8
119 32.2 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.446 min Scan# 1907
Delta R.T. 0.012 min
Lab File: VY017051.D
Acq: 19 Jan 2024 13:25

Tgt Ion:152 Resp: 76346
Ion Ratio Lower Upper
152 100
115 58.6 30.0 90.0
150 157.2 0.0 344.6

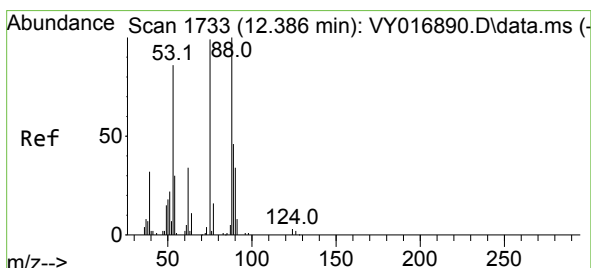
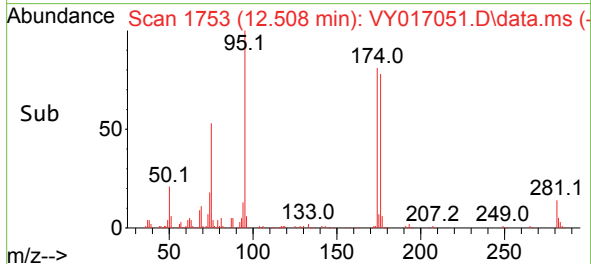
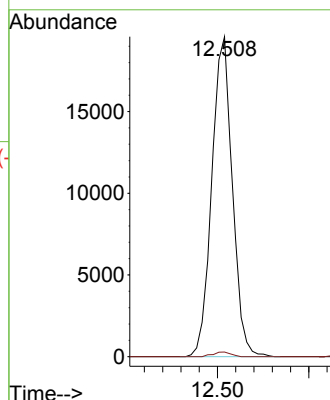
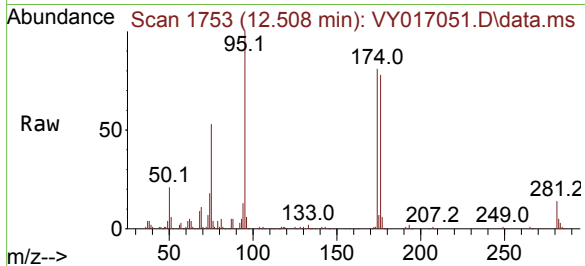




#76
1,2,3-Trichloropropane
Concen: 36.817 ug/l
RT: 12.508 min Scan# 1753
Delta R.T. -0.134 min
Lab File: VY017051.D
Acq: 19 Jan 2024 13:25

Instrument :
MSVOA_Y
ClientSampleId :
DUP-1

Tgt Ion: 75 Resp: 30503
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.603 ug/l
RT: 12.508 min Scan# 1753
Delta R.T. 0.123 min
Lab File: VY017051.D
Acq: 19 Jan 2024 13:25

Tgt Ion: 75 Resp: 30503
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.1 36.5 54.7#

