

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121322\
 Data File : VY011793.D
 Acq On : 13 Dec 2022 15:03
 Operator : KP/MD
 Sample : N6024-01
 Misc : 5.28g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-Q

Quant Time: Dec 13 22:18:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 10 04:19:59 2022
 Response via : Initial Calibration

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

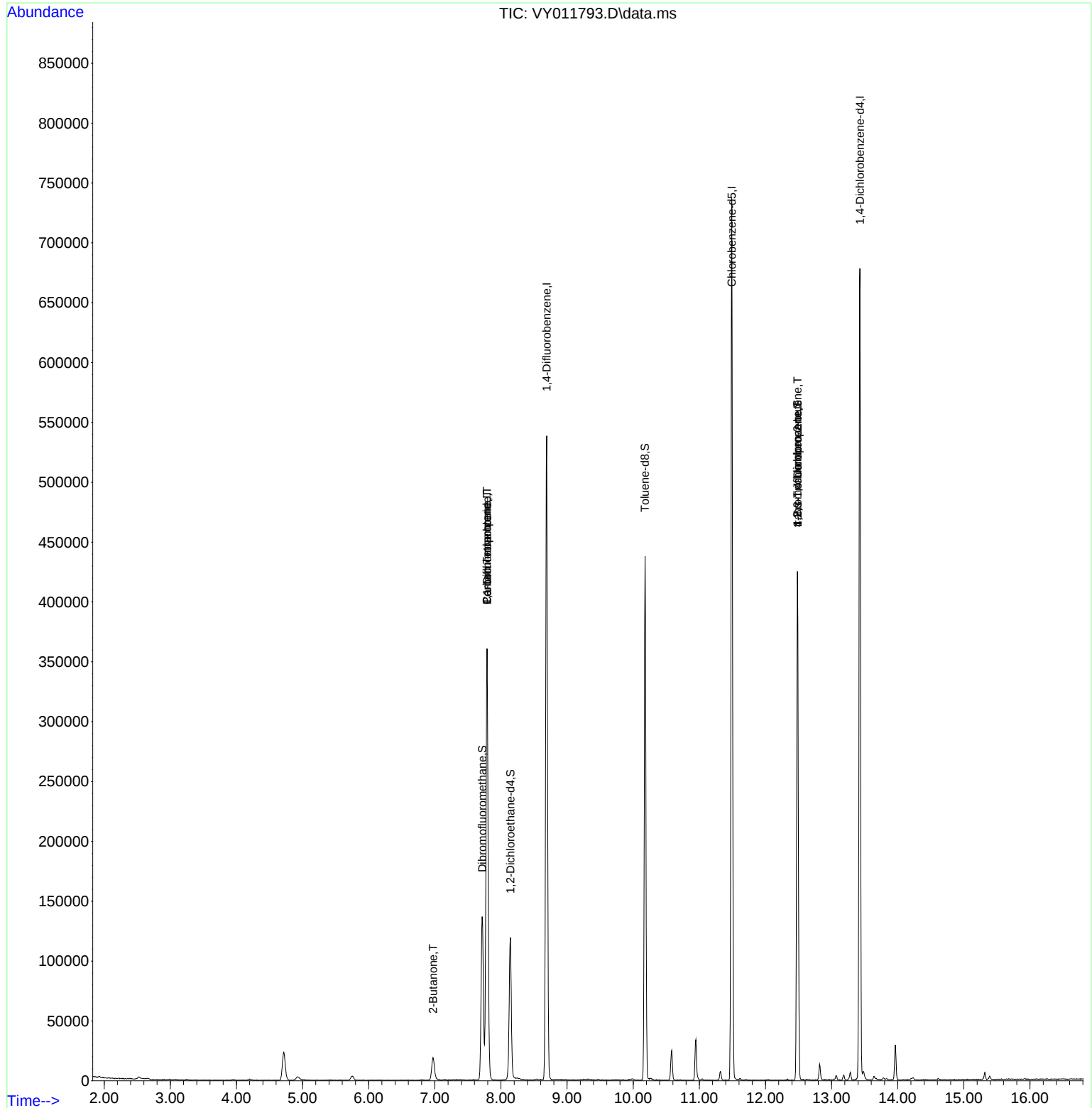
Internal Standards						
1) Pentafluorobenzene	7.789	168	274679	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	454871	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	396578	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	175781	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	90071	47.848	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.700%
35) Dibromofluoromethane	7.716	113	96560	47.592	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.180%
50) Toluene-d8	10.179	98	287040	42.298	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	84.600%
62) 4-Bromofluorobenzene	12.483	95	109706	40.754	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	81.500%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	104	Below Cal	#	41
3) Chloromethane	2.113	50	159	Below Cal		89
5) Bromomethane	2.674	94	153	Below Cal	#	66
11) Tert butyl alcohol	4.936	59	3420	Below Cal	#	74
18) Methyl Acetate	4.704	43	172	Below Cal	#	50
25) 2-Butanone	6.972	43	1551	1.608 ug/l	#	82
31) Cyclohexane	7.789	56	5511	Below Cal	#	11
36) 1,1-Dichloropropene	7.789	75	20730	6.006 ug/l	#	50
38) Carbon Tetrachloride	7.789	117	27326	6.739 ug/l	#	17
76) 1,2,3-Trichloropropane	12.483	75	57901	32.557 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	57901	73.879 ug/l	#	13

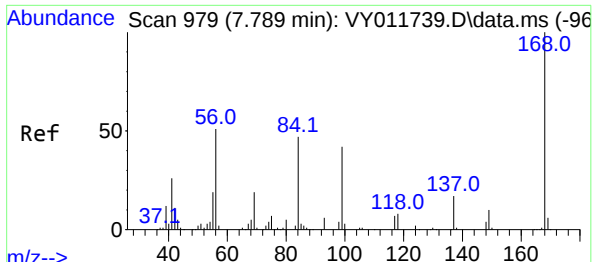
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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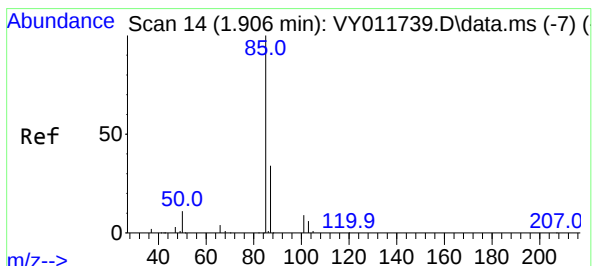
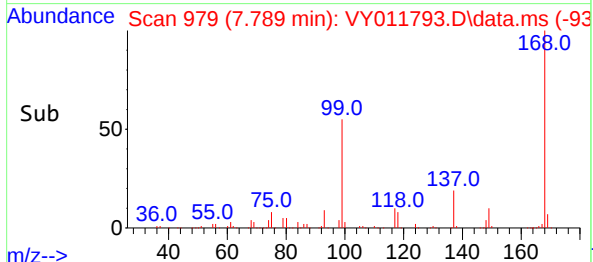
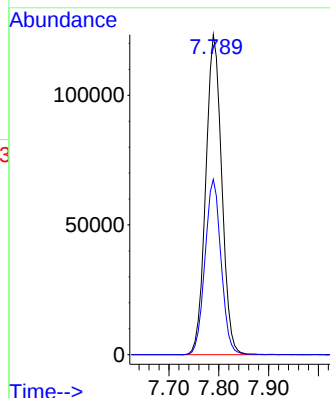
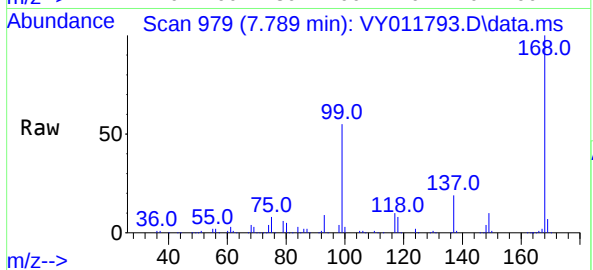




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011793.D
Acq: 13 Dec 2022 15:03

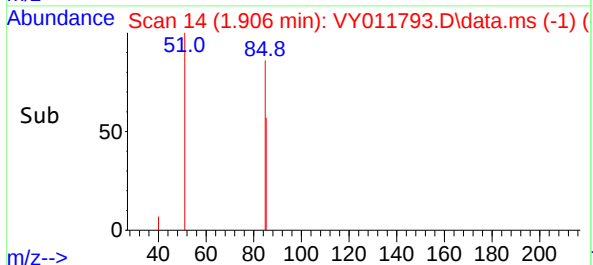
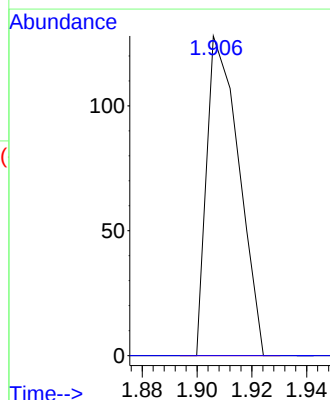
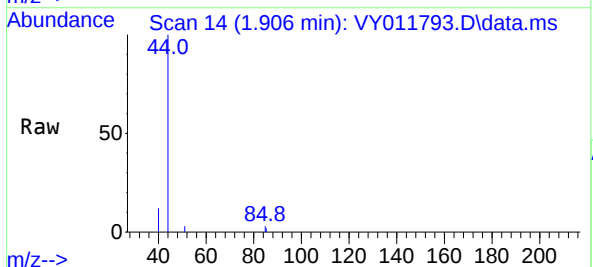
Instrument :
MSVOA_Y
ClientSampleId :
TP-Q

Tgt Ion:168 Resp: 274679
Ion Ratio Lower Upper
168 100
99 54.8 44.0 66.0

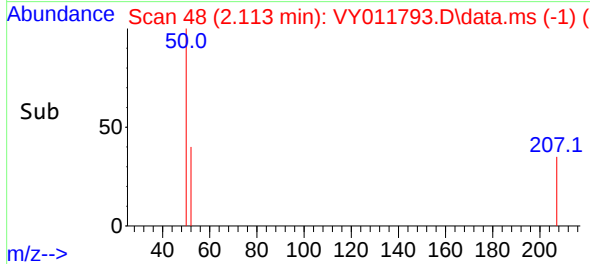
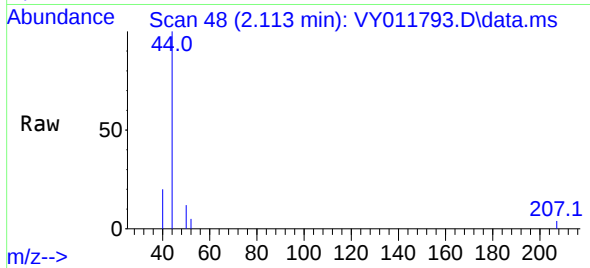
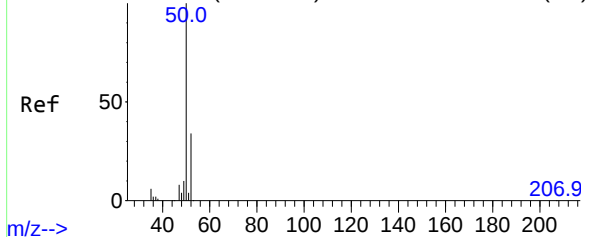


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011793.D
Acq: 13 Dec 2022 15:03

Tgt Ion: 85 Resp: 104
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#



Abundance Scan 48 (2.113 min): VY011739.D\data.ms (-42)



#3

Chloromethane

Concen: Below Cal

RT: 2.113 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY011793.D

Acq: 13 Dec 2022 15:03

Instrument :

MSVOA_Y

ClientSampleId :

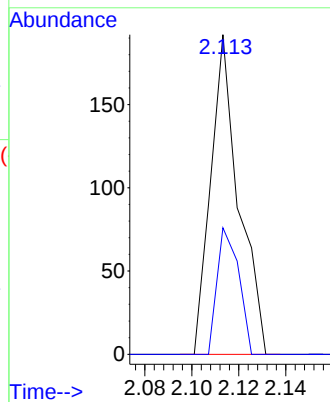
TP-Q

Tgt Ion: 50 Resp: 159

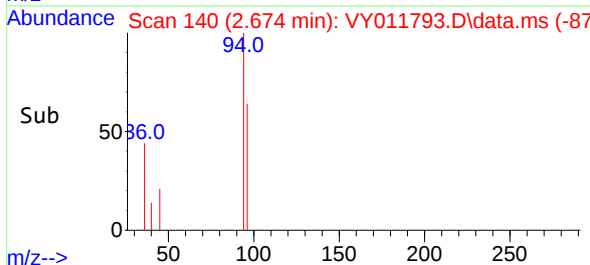
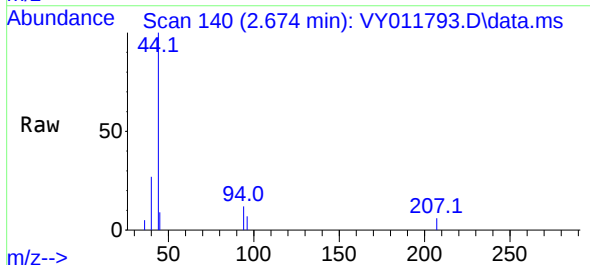
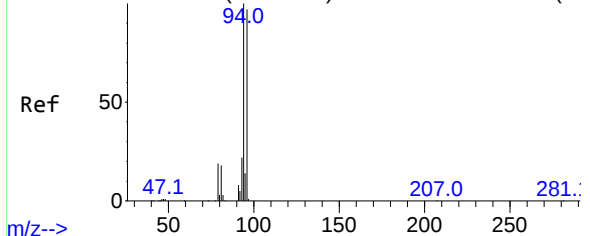
Ion Ratio Lower Upper

50 100

52 39.6 26.8 40.2



Abundance Scan 136 (2.650 min): VY011739.D\data.ms (-12)



#5

Bromomethane

Concen: Below Cal

RT: 2.674 min Scan# 140

Delta R.T. 0.024 min

Lab File: VY011793.D

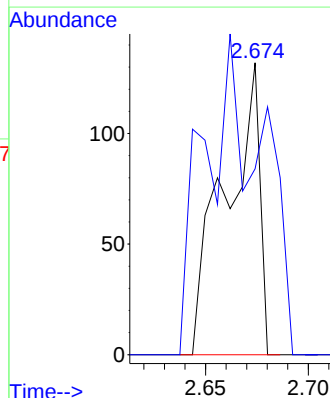
Acq: 13 Dec 2022 15:03

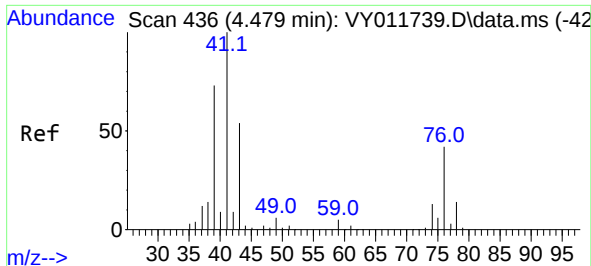
Tgt Ion: 94 Resp: 153

Ion Ratio Lower Upper

94 100

96 63.6 77.4 116.2#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.704 min Scan# 41

Delta R.T. 0.225 min

Lab File: VY011793.D

Acq: 13 Dec 2022 15:03

Instrument :

MSVOA_Y

ClientSampleId :

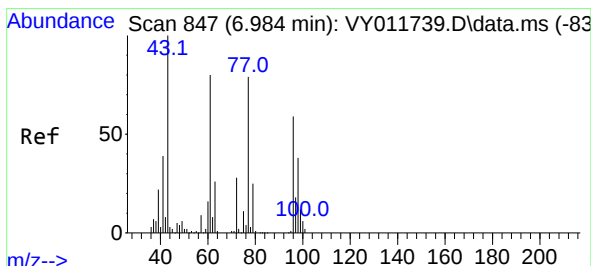
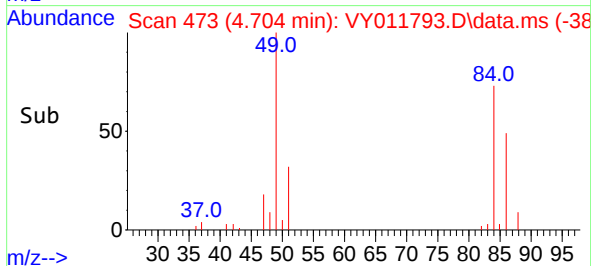
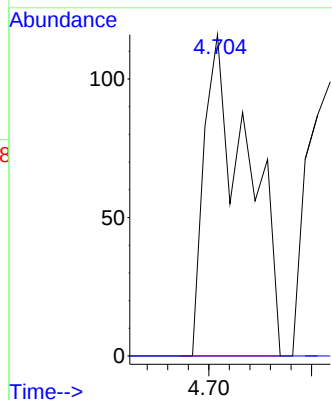
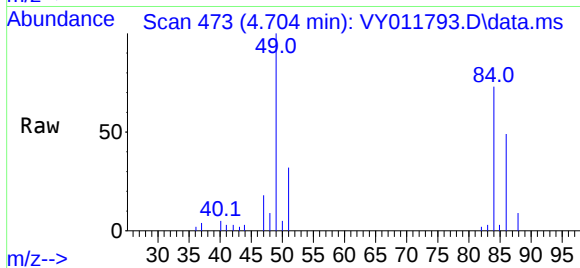
TP-Q

Tgt Ion: 43 Resp: 172

Ion Ratio Lower Upper

43 100

74 0.0 20.1 30.1#



#25

2-Butanone

Concen: 1.608 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.012 min

Lab File: VY011793.D

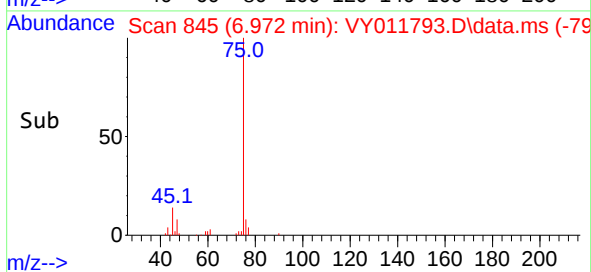
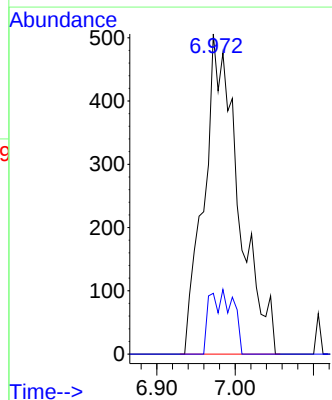
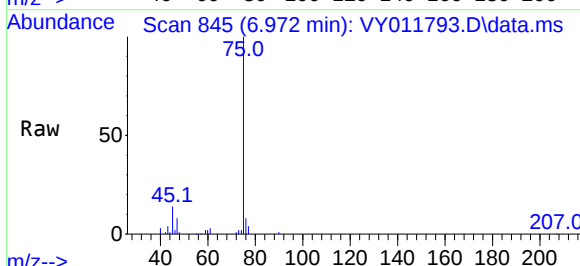
Acq: 13 Dec 2022 15:03

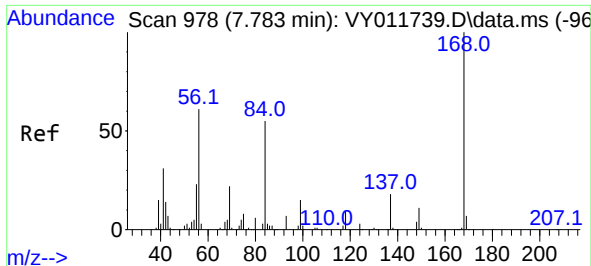
Tgt Ion: 43 Resp: 1551

Ion Ratio Lower Upper

43 100

72 19.0 22.6 34.0#

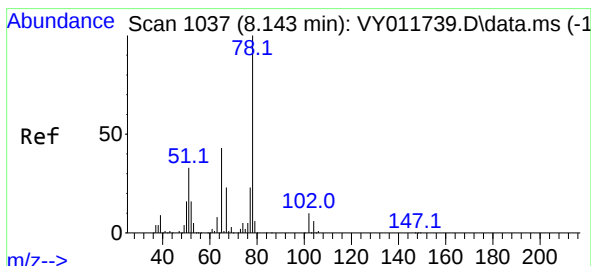
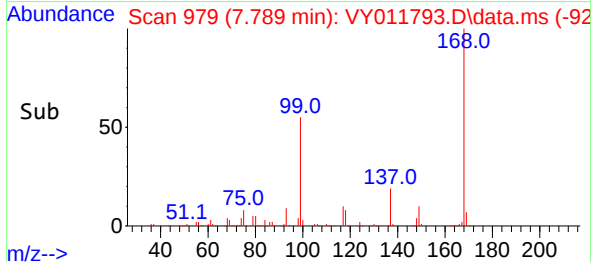
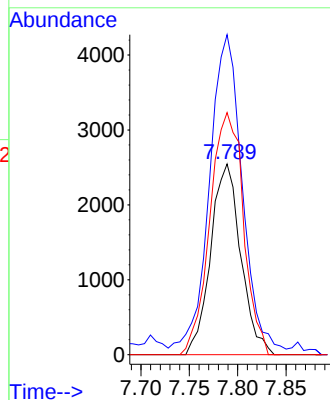
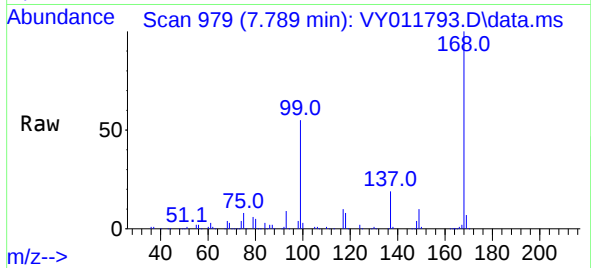




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011793.D
Acq: 13 Dec 2022 15:03

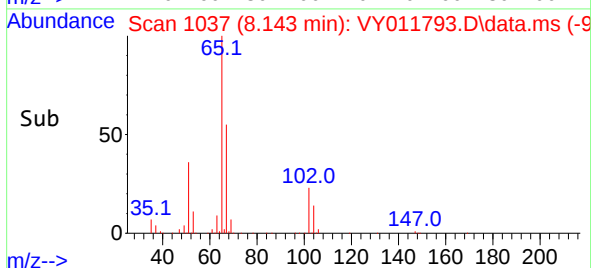
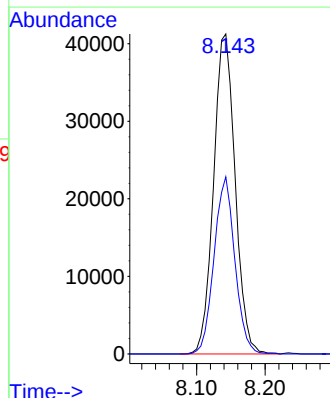
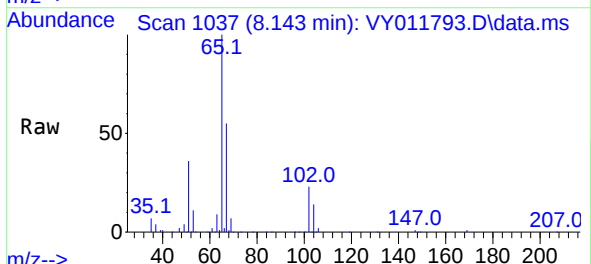
Instrument :
MSVOA_Y
ClientSampleId :
TP-Q

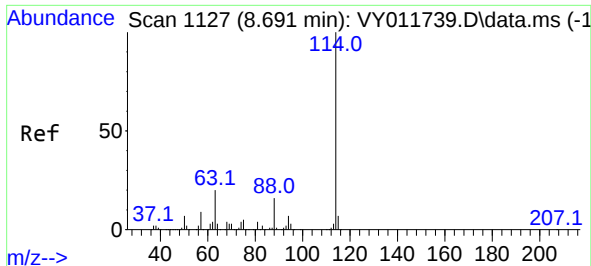
Tgt Ion: 56 Resp: 5511
Ion Ratio Lower Upper
56 100
69 163.2 29.2 43.8#
84 126.9 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 47.848 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY011793.D
Acq: 13 Dec 2022 15:03

Tgt Ion: 65 Resp: 90071
Ion Ratio Lower Upper
65 100
67 53.4 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011793.D

Acq: 13 Dec 2022 15:03

Instrument :

MSVOA_Y

ClientSampleId :

TP-Q

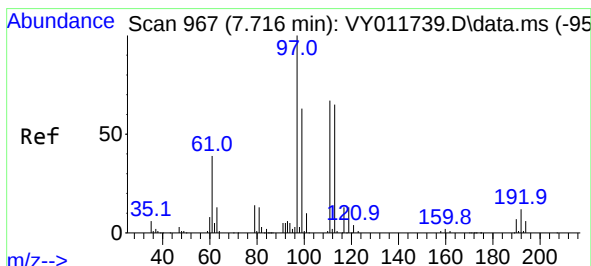
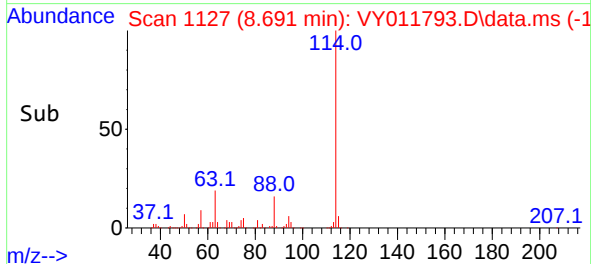
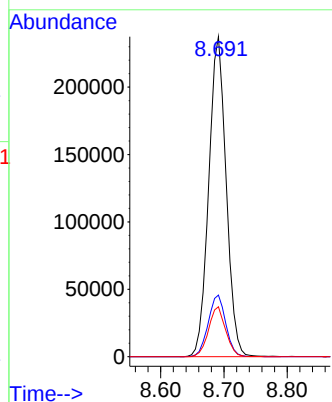
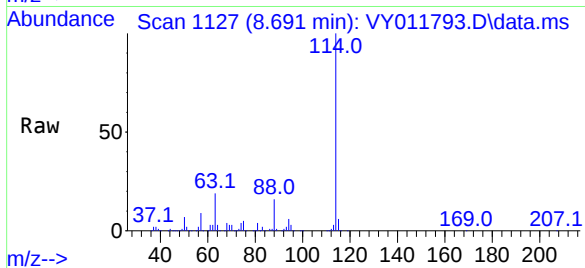
Tgt Ion:114 Resp: 454871

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.6

88 15.6 0.0 32.2



#35

Dibromofluoromethane

Concen: 47.592 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY011793.D

Acq: 13 Dec 2022 15:03

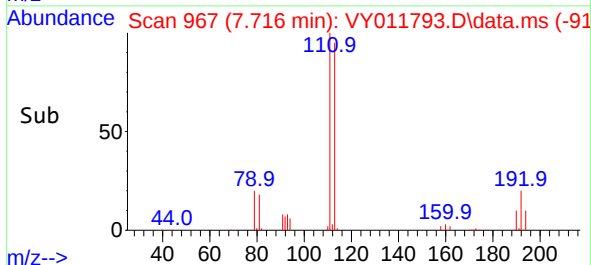
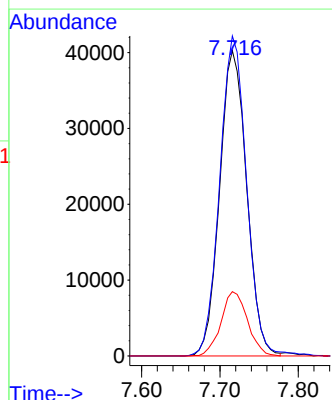
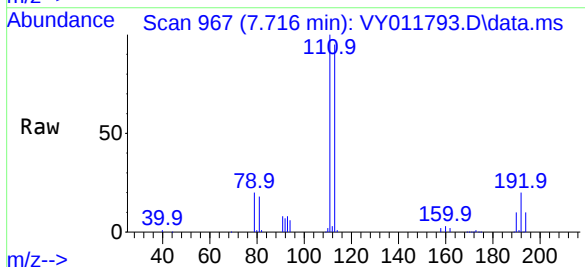
Tgt Ion:113 Resp: 96560

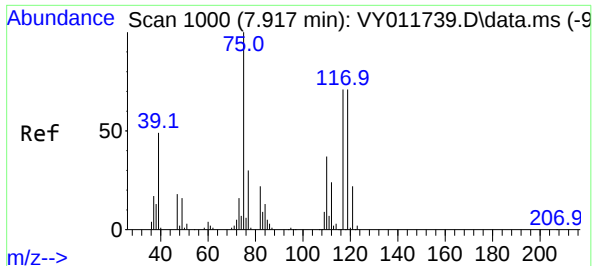
Ion Ratio Lower Upper

113 100

111 104.4 83.0 124.4

192 20.6 16.0 24.0





#36

1,1-Dichloropropene

Concen: 6.006 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY011793.D

Acq: 13 Dec 2022 15:03

Instrument :

MSVOA_Y

ClientSampleId :

TP-Q

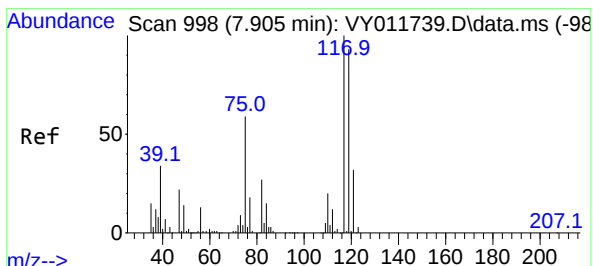
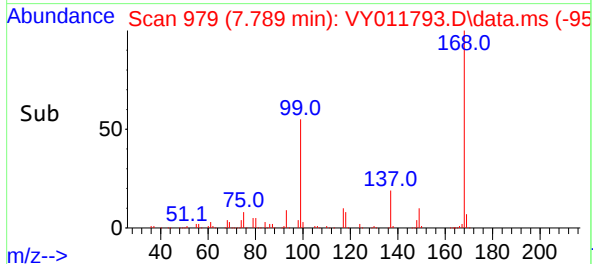
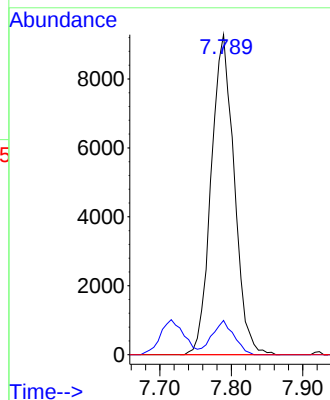
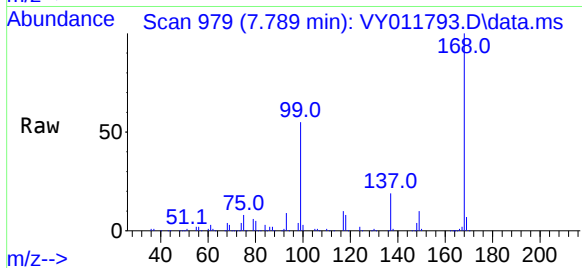
Tgt Ion: 75 Resp: 20730

Ion Ratio Lower Upper

75 100

110 10.2 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.739 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY011793.D

Acq: 13 Dec 2022 15:03

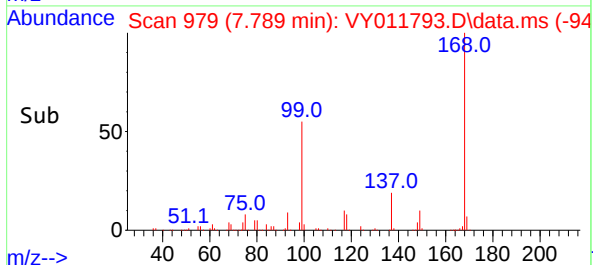
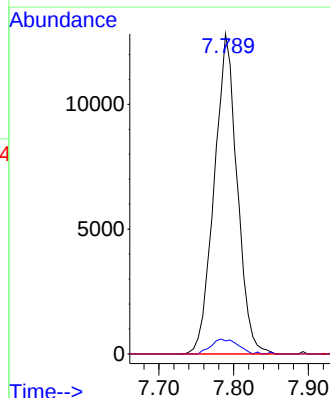
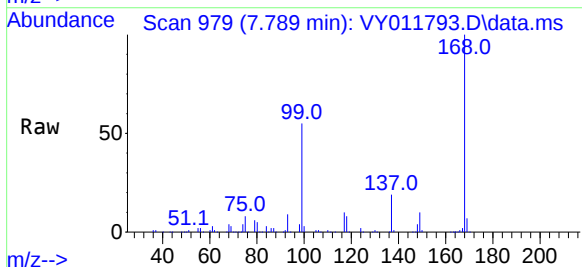
Tgt Ion: 117 Resp: 27326

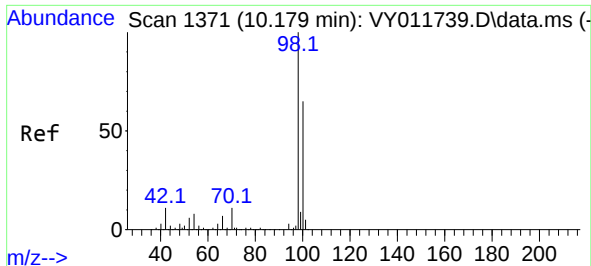
Ion Ratio Lower Upper

117 100

119 4.1 73.8 110.8#

121 0.0 25.2 37.8#

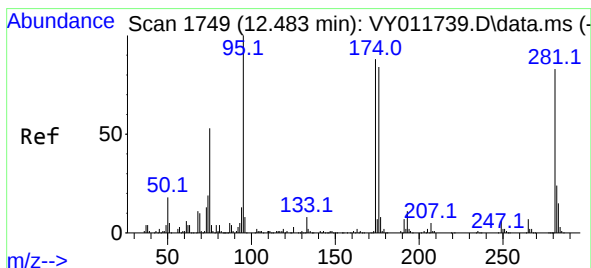
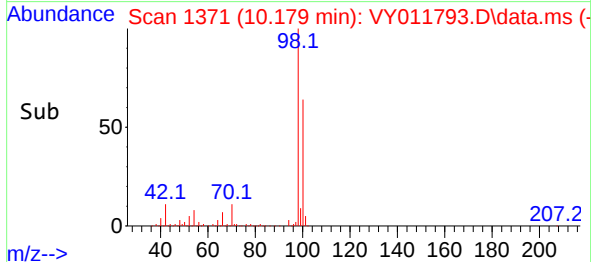
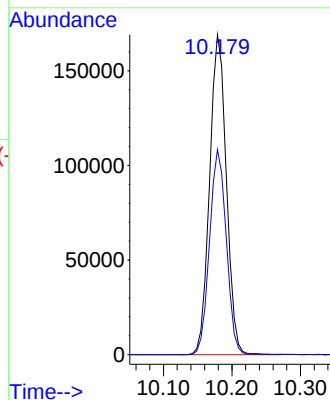
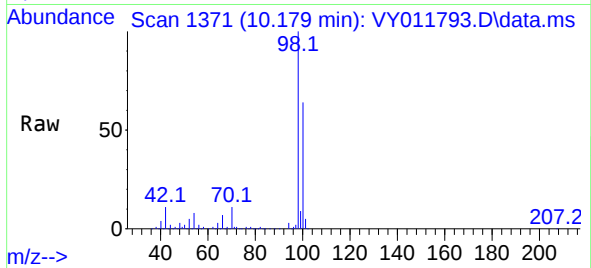




#50
Toluene-d8
Concen: 42.298 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011793.D
Acq: 13 Dec 2022 15:03

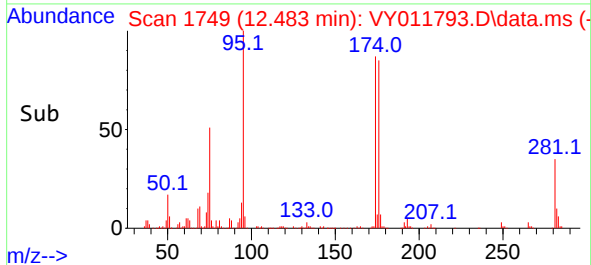
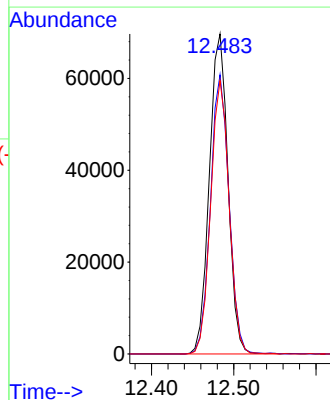
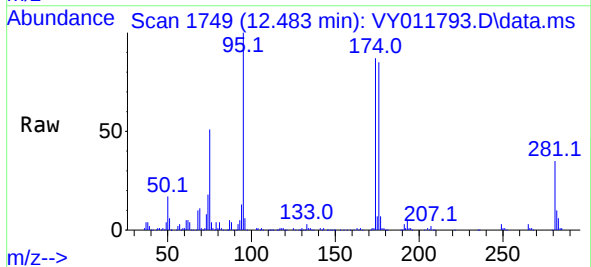
Instrument :
MSVOA_Y
ClientSampleId :
TP-Q

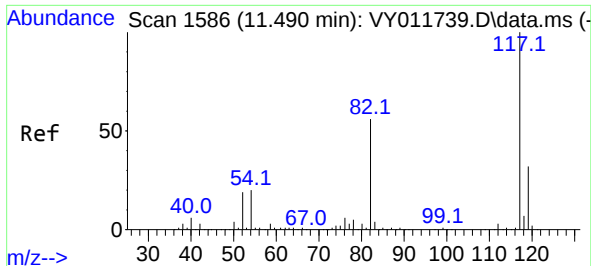
Tgt Ion: 98 Resp: 287040
Ion Ratio Lower Upper
98 100
100 64.1 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 40.754 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011793.D
Acq: 13 Dec 2022 15:03

Tgt Ion: 95 Resp: 109706
Ion Ratio Lower Upper
95 100
174 86.9 0.0 172.0
176 84.6 0.0 167.6

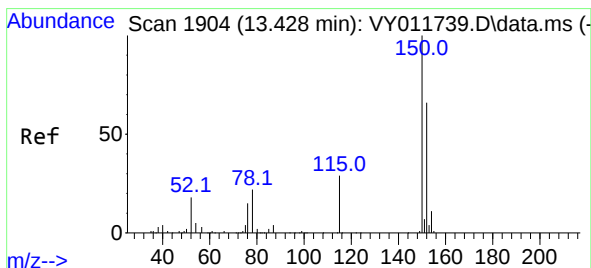
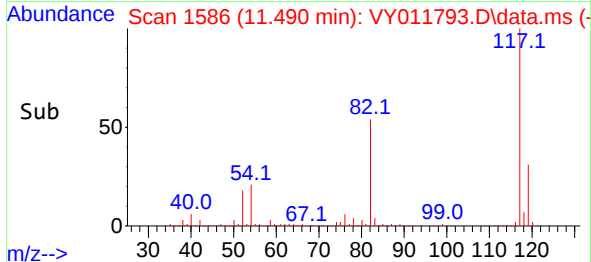
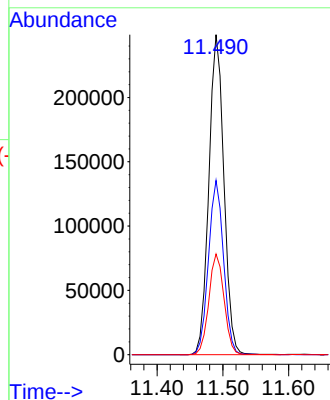
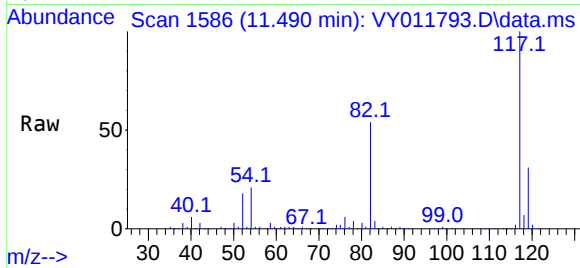




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY011793.D
Acq: 13 Dec 2022 15:03

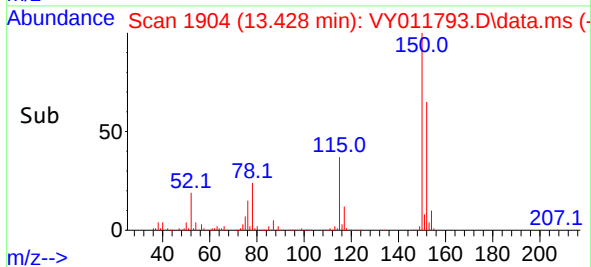
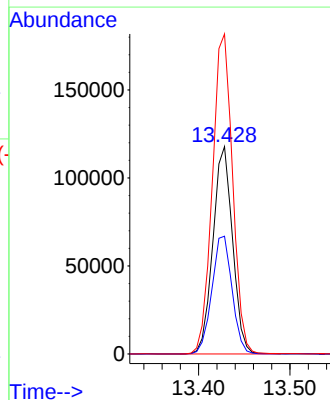
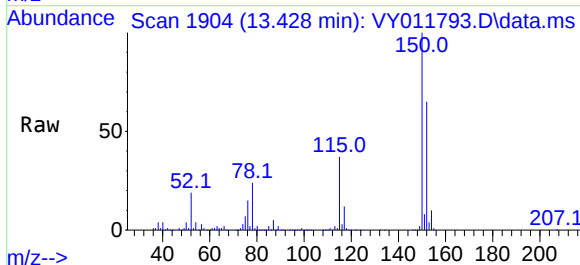
Instrument :
MSVOA_Y
ClientSampleId :
TP-Q

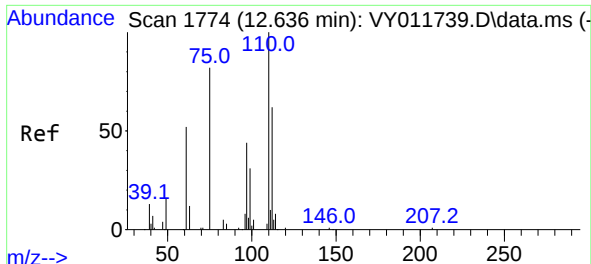
Tgt Ion:117 Resp: 396578
Ion Ratio Lower Upper
117 100
82 54.4 44.8 67.2
119 31.4 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011793.D
Acq: 13 Dec 2022 15:03

Tgt Ion:152 Resp: 175781
Ion Ratio Lower Upper
152 100
115 58.5 29.1 87.3
150 159.0 0.0 342.6

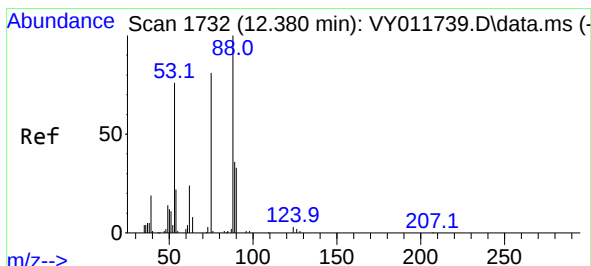
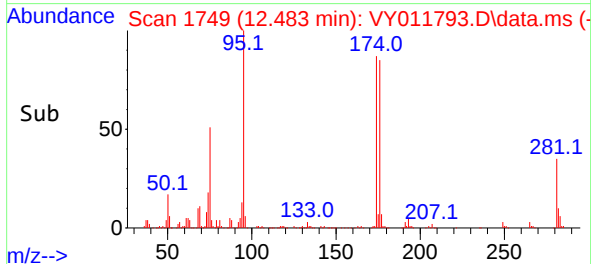
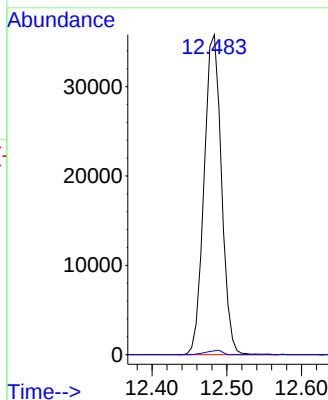
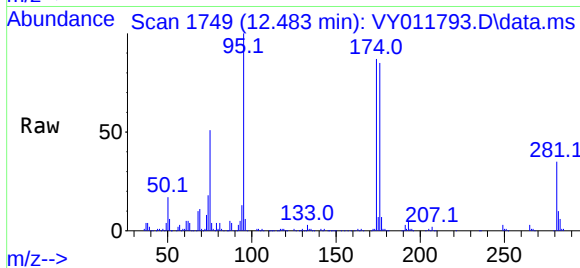




#76
1,2,3-Trichloropropane
Concen: 32.557 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY011793.D
Acq: 13 Dec 2022 15:03

Instrument :
MSVOA_Y
ClientSampleId :
TP-Q

Tgt Ion: 75 Resp: 57901
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.879 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY011793.D
Acq: 13 Dec 2022 15:03

Tgt Ion: 75 Resp: 57901
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.4 37.0 55.4#

