

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111822\
 Data File : VY011505.D
 Acq On : 18 Nov 2022 16:37
 Operator : KP/MD
 Sample : N5641-18RE
 Misc : 6.96g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 19 22:41:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

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

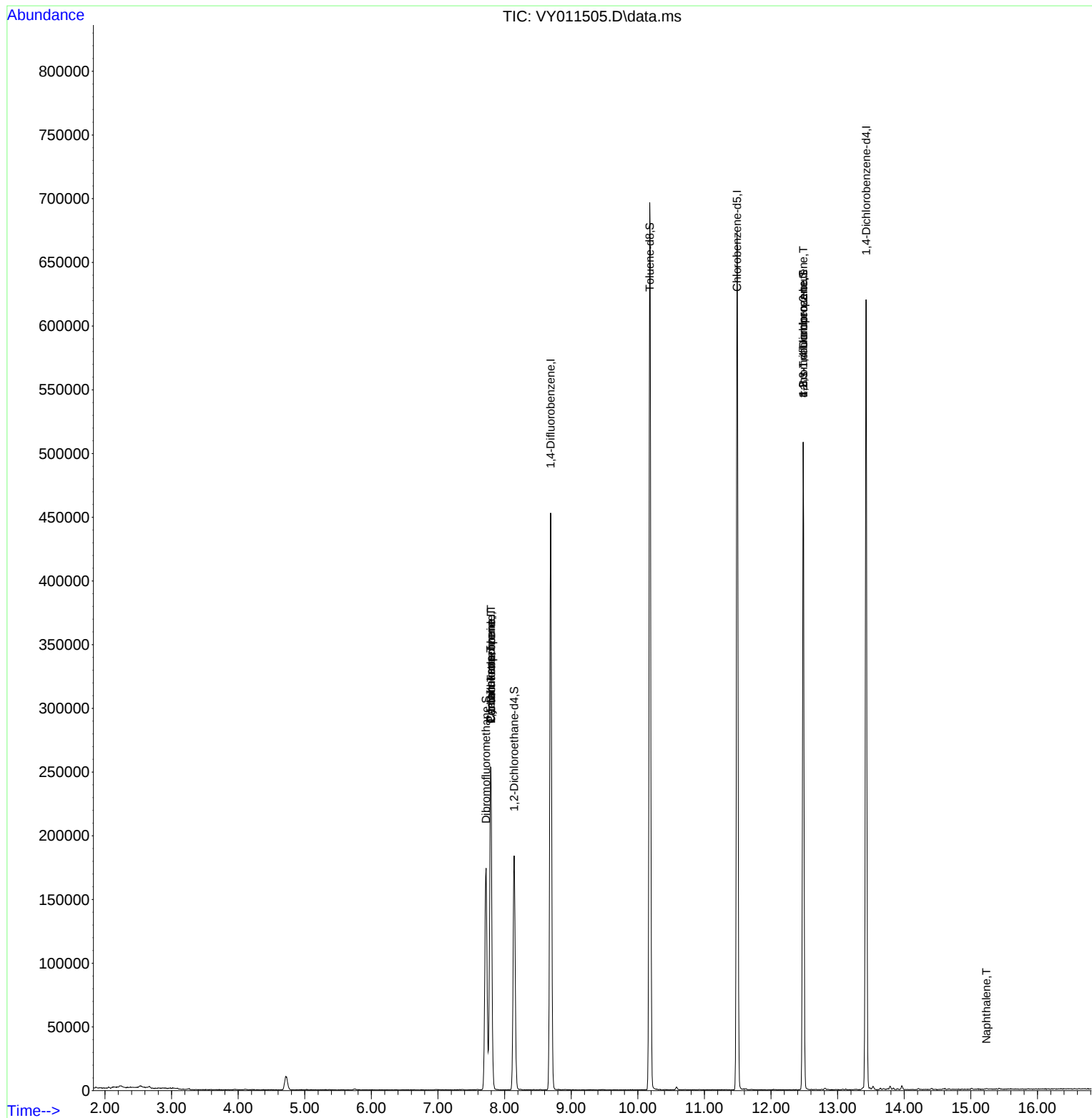
Internal Standards						
1) Pentafluorobenzene	7.795	168	197190	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	369821	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	350466	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	154095	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	141329	70.585	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 141.160%	
35) Dibromofluoromethane	7.722	113	121441	53.343	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.680%	
50) Toluene-d8	10.179	98	452592	54.708	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.420%	
62) 4-Bromofluorobenzene	12.483	95	145851	47.683	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 95.360%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	275	Below Cal	#	44
5) Bromomethane	2.668	94	447	Below Cal	#	77
11) Tert butyl alcohol	4.948	59	64	Below Cal	#	77
18) Methyl Acetate	4.497	43	89	Below Cal	#	56
20) Methylene Chloride	4.716	84	8149	Below Cal		90
31) Cyclohexane	7.789	56	4602	1.387	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	15840	4.451	ug/l #	51
38) Carbon Tetrachloride	7.795	117	20550	5.162	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	78203	47.124	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	78203	103.218	ug/l #	7
95) Naphthalene	15.233	128	706	4.139	ug/l #	69

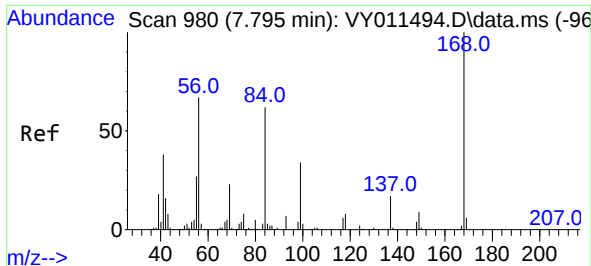
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

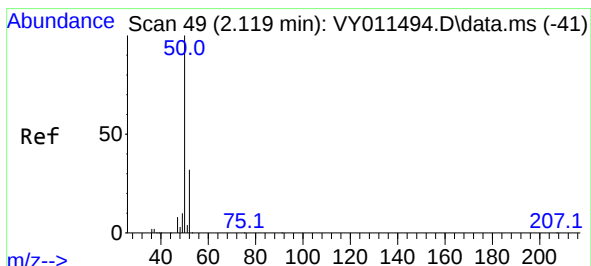
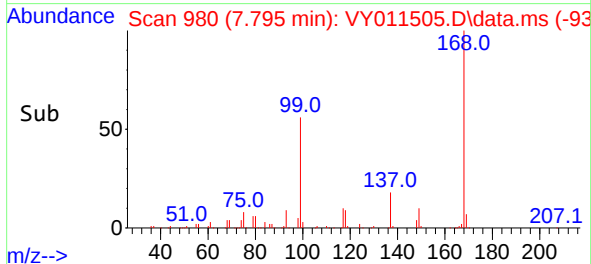
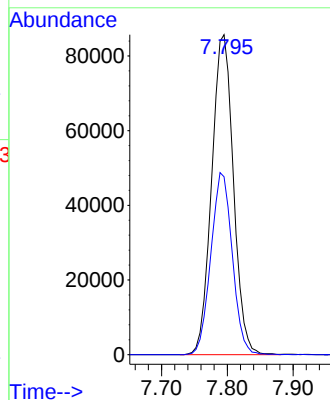
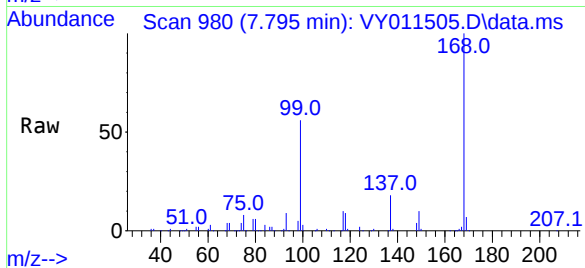




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011505.D
Acq: 18 Nov 2022 16:37

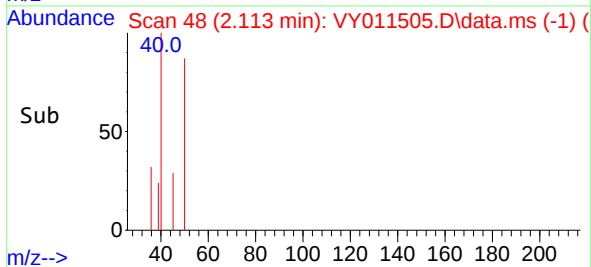
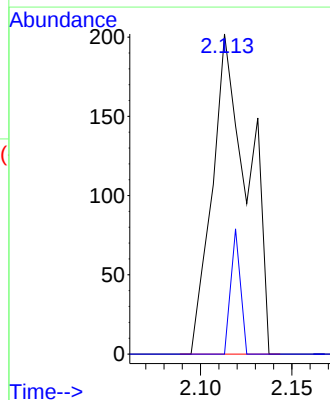
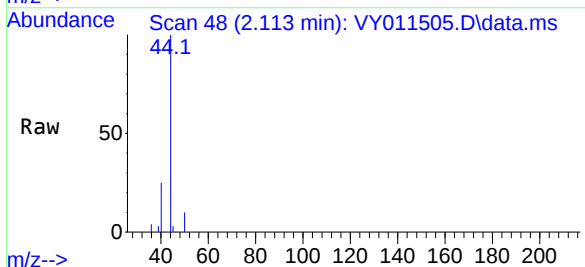
Instrument :
MSVOA_Y
ClientSampleId :

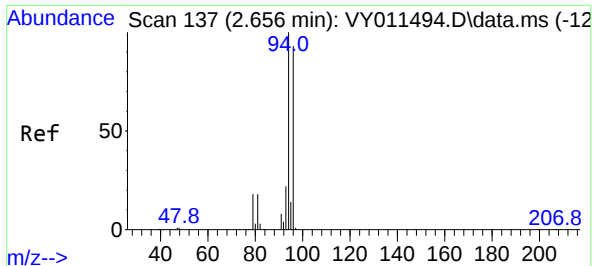
Tgt Ion:168 Resp: 197190
Ion Ratio Lower Upper
168 100
99 55.6 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. -0.006 min
Lab File: VY011505.D
Acq: 18 Nov 2022 16:37

Tgt Ion: 50 Resp: 275
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

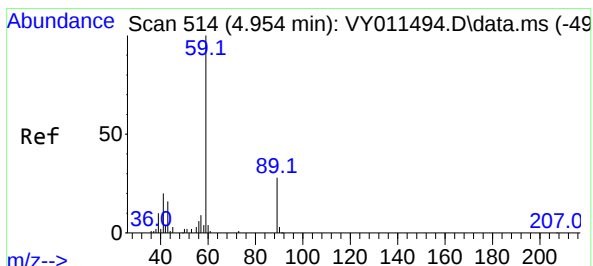
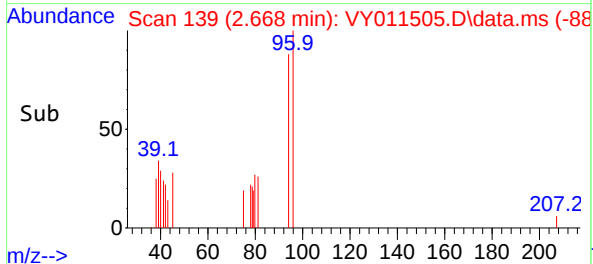
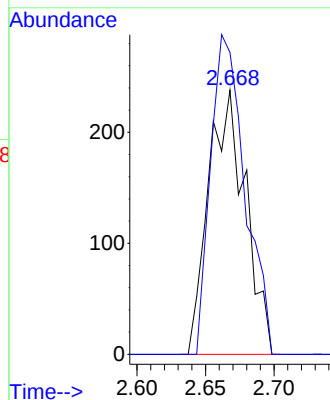
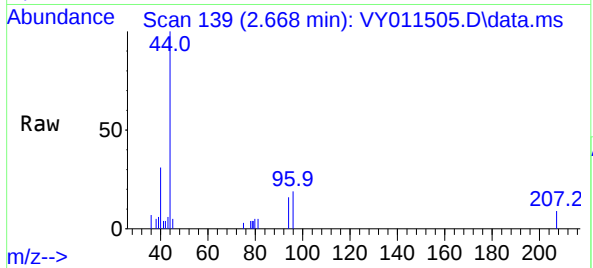




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY011505.D
Acq: 18 Nov 2022 16:37

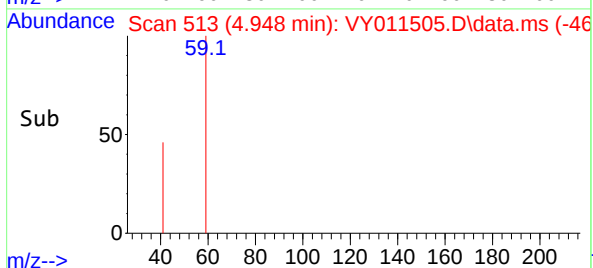
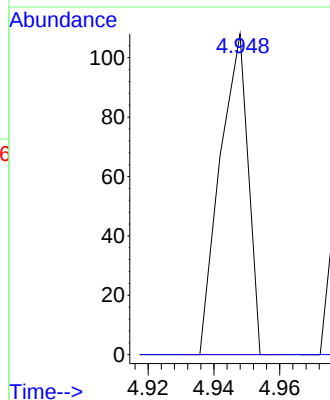
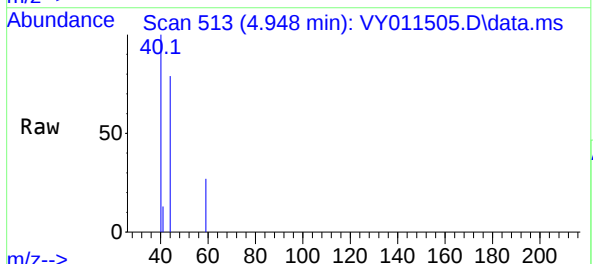
Instrument :
MSVOA_Y
ClientSampleId :

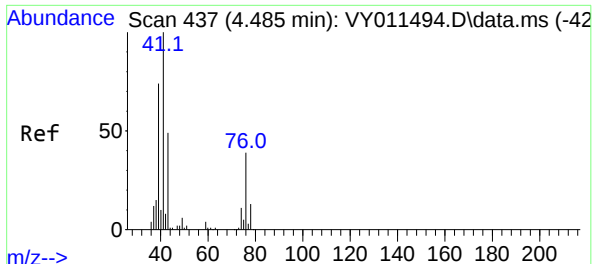
Tgt Ion: 94 Resp: 447
Ion Ratio Lower Upper
94 100
96 114.3 73.5 110.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.006 min
Lab File: VY011505.D
Acq: 18 Nov 2022 16:37

Tgt Ion: 59 Resp: 64
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

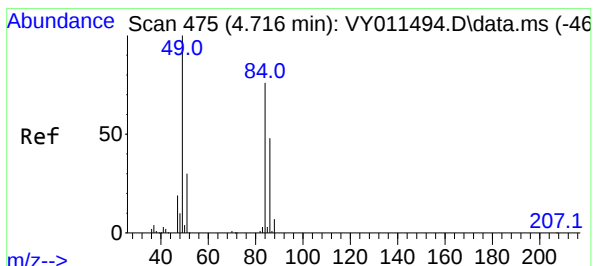
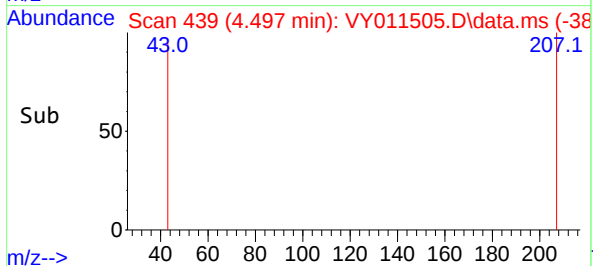
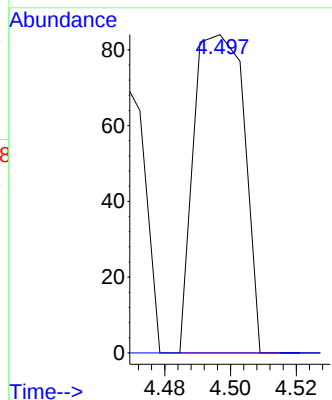
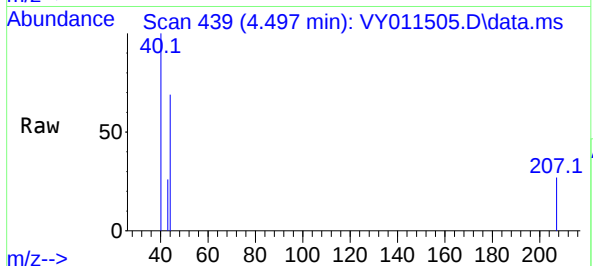




#18
Methyl Acetate
Concen: Below Cal
RT: 4.497 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY011505.D
Acq: 18 Nov 2022 16:37

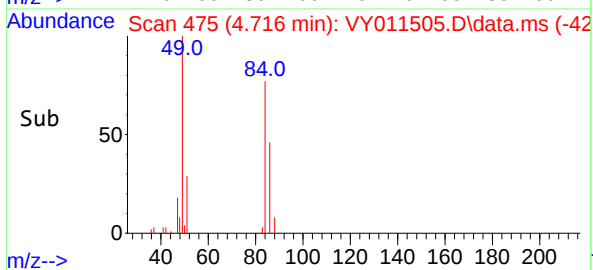
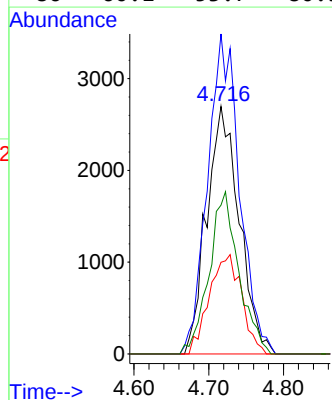
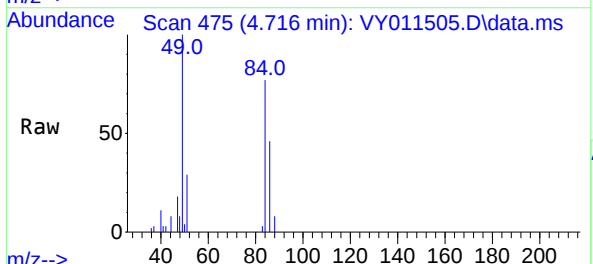
Instrument :
MSVOA_Y
ClientSampleId :

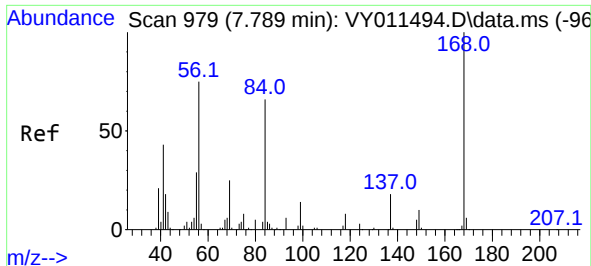
Tgt Ion: 43 Resp: 89
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY011505.D
Acq: 18 Nov 2022 16:37

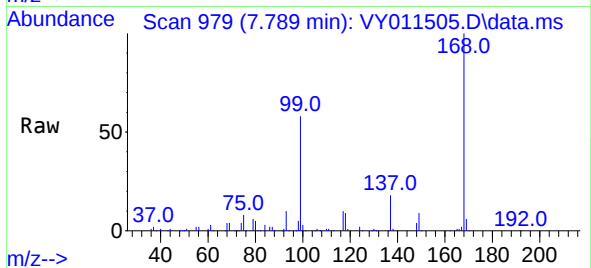
Tgt Ion: 84 Resp: 8149
Ion Ratio Lower Upper
84 100
49 129.2 114.4 171.6
51 37.0 35.3 52.9
86 60.1 53.7 80.5



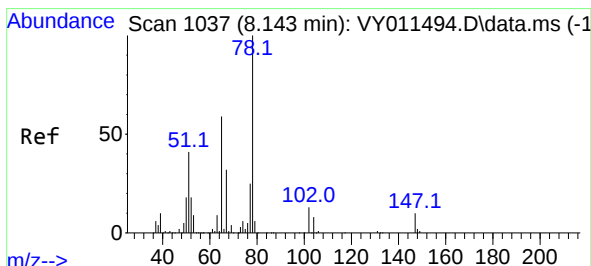
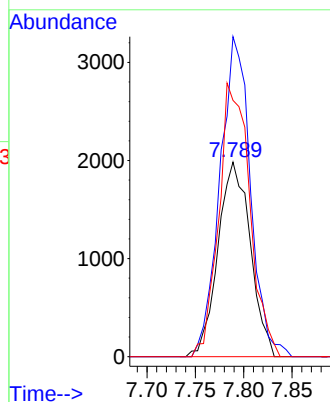
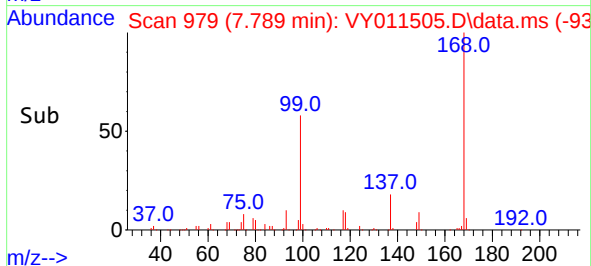


#31
Cyclohexane
Concen: 1.387 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011505.D
Acq: 18 Nov 2022 16:37

Instrument :
MSVOA_Y
ClientSampleId :

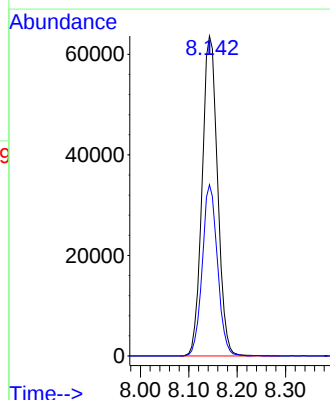
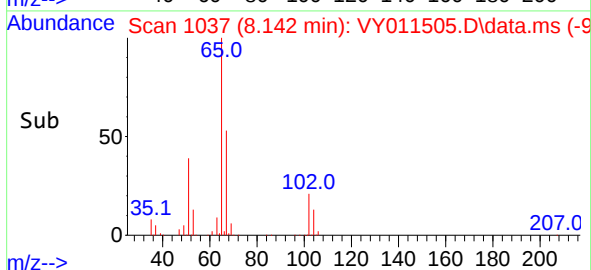
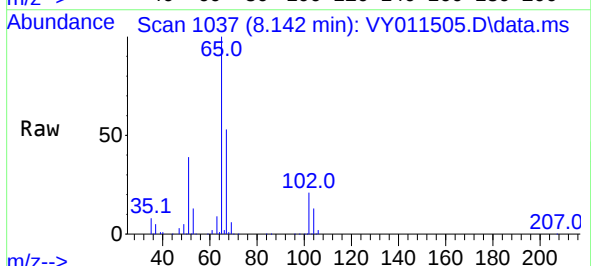


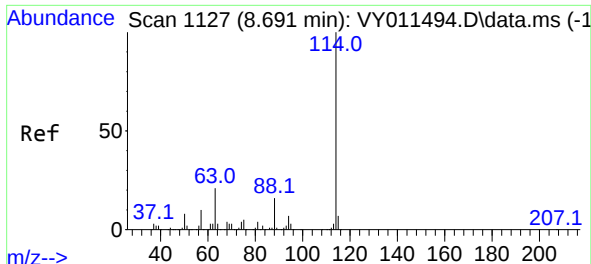
Tgt Ion: 56 Resp: 4602
Ion Ratio Lower Upper
56 100
69 164.4 26.7 40.1#
84 131.7 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 70.585 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY011505.D
Acq: 18 Nov 2022 16:37

Tgt Ion: 65 Resp: 141329
Ion Ratio Lower Upper
65 100
67 52.6 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY011505.D

Acq: 18 Nov 2022 16:37

Instrument :

MSVOA_Y

ClientSampleId :

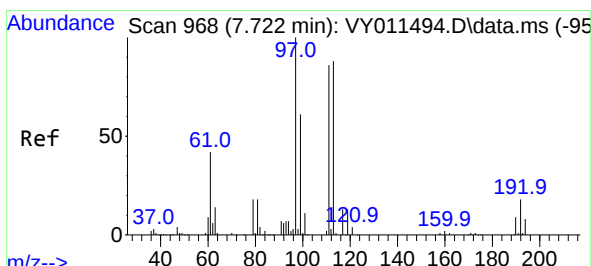
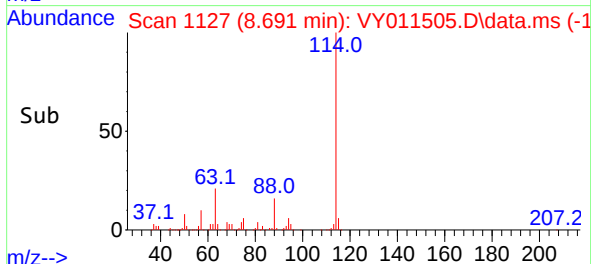
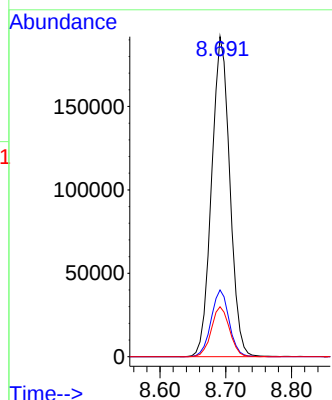
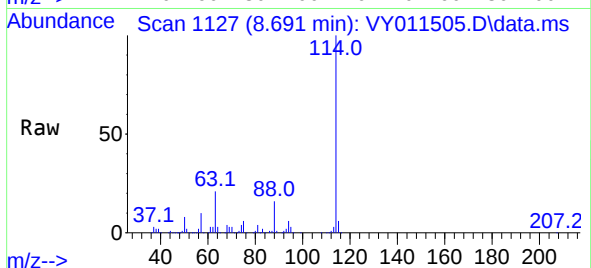
Tgt Ion:114 Resp: 369821

Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.2

88 15.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 53.343 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.000 min

Lab File: VY011505.D

Acq: 18 Nov 2022 16:37

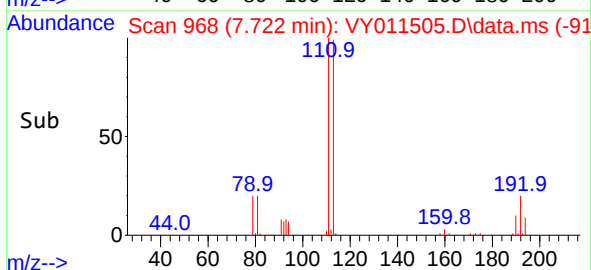
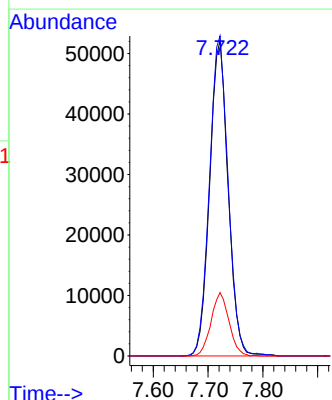
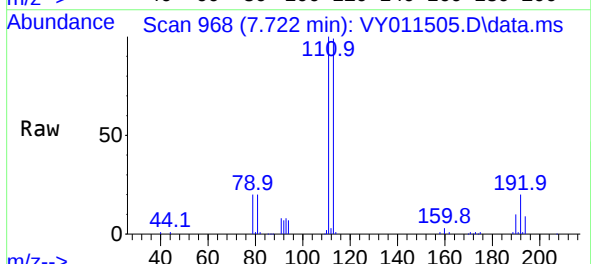
Tgt Ion:113 Resp: 121441

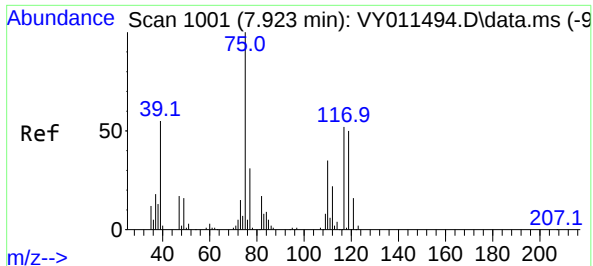
Ion Ratio Lower Upper

113 100

111 103.0 82.6 124.0

192 19.6 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.451 ug/l

RT: 7.795 min Scan# 9

Delta R.T. -0.128 min

Lab File: VY011505.D

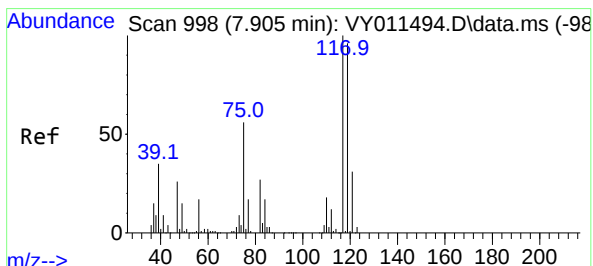
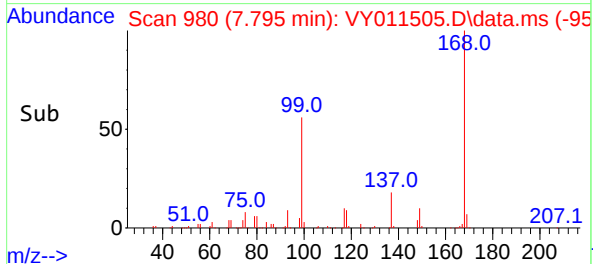
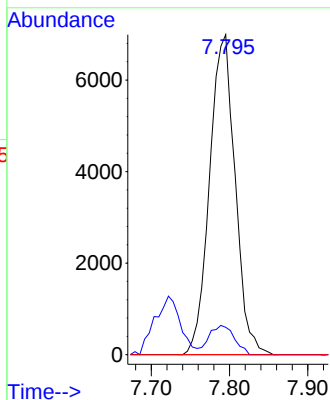
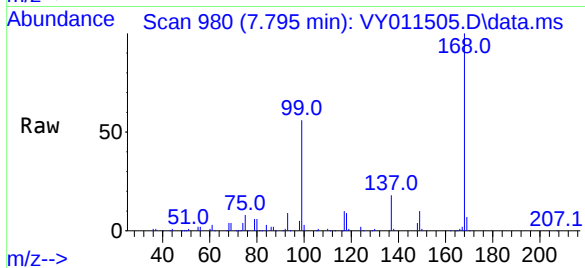
Acq: 18 Nov 2022 16:37

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 75	Resp:	15840
Ion Ratio	Lower	Upper
75	100	
110	9.1	17.1 51.2#
77	0.0	24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.162 ug/l

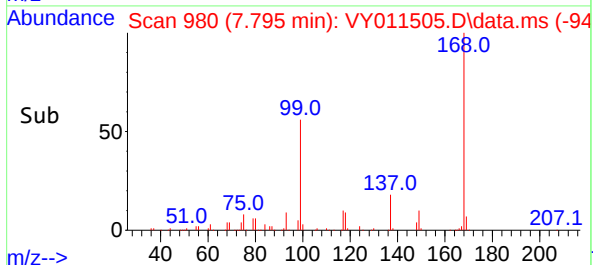
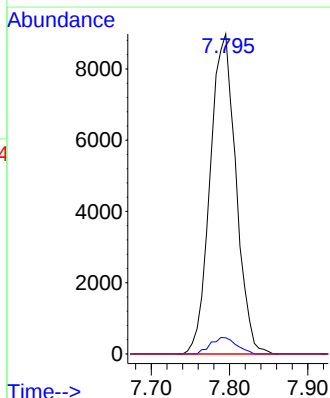
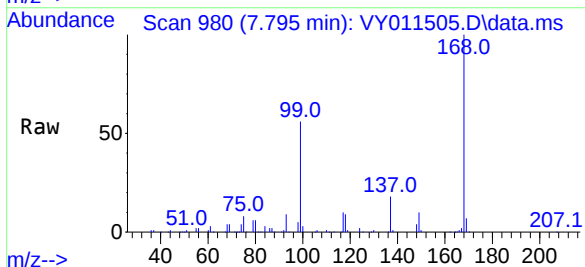
RT: 7.795 min Scan# 980

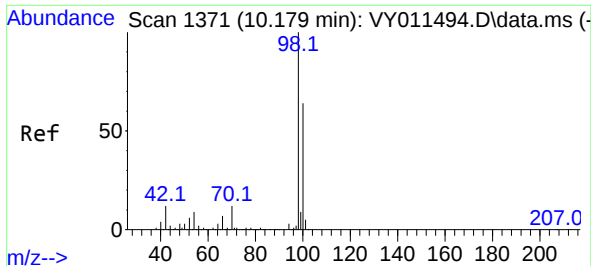
Delta R.T. -0.110 min

Lab File: VY011505.D

Acq: 18 Nov 2022 16:37

Tgt Ion: 117	Resp:	20550
Ion Ratio	Lower	Upper
117	100	
119	5.0	77.9 116.9#
121	0.0	24.8 37.2#

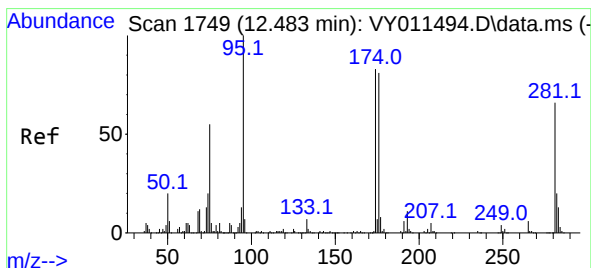
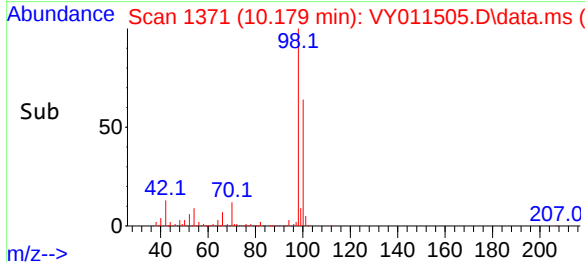
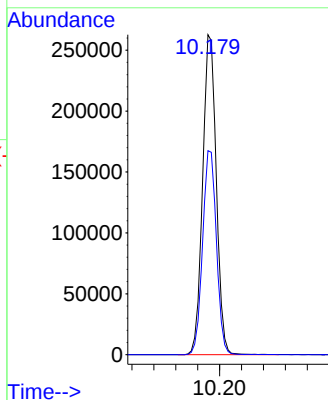
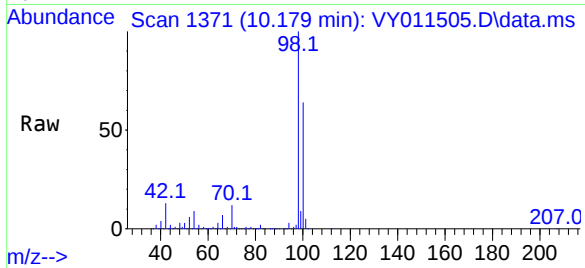




#50
Toluene-d8
Concen: 54.708 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011505.D
Acq: 18 Nov 2022 16:37

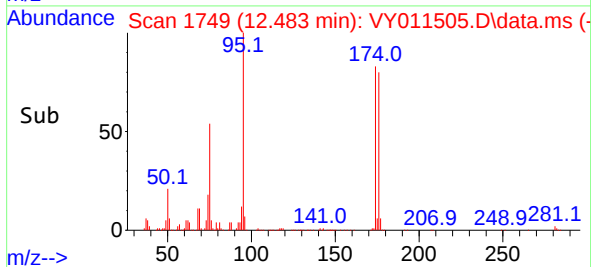
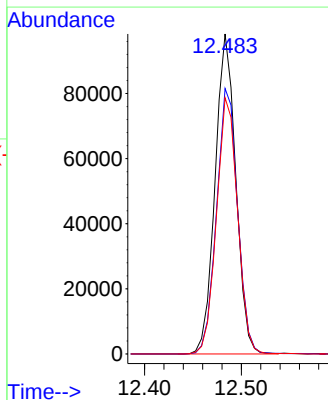
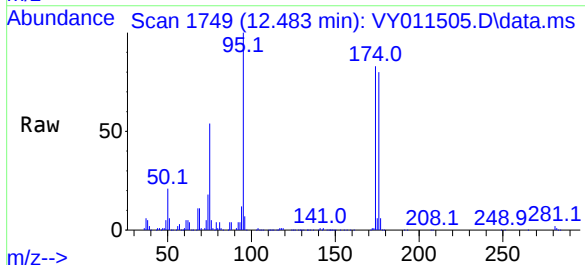
Instrument :
MSVOA_Y
ClientSampleId :

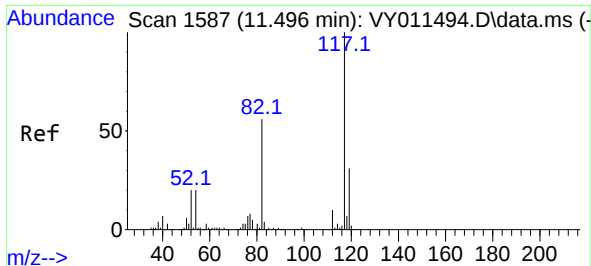
Tgt Ion: 98 Resp: 452592
Ion Ratio Lower Upper
98 100
100 64.5 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 47.683 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011505.D
Acq: 18 Nov 2022 16:37

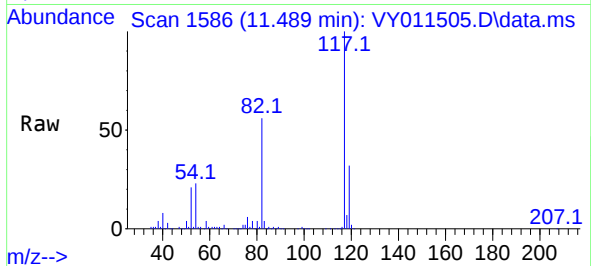
Tgt Ion: 95 Resp: 145851
Ion Ratio Lower Upper
95 100
174 84.4 0.0 177.0
176 81.5 0.0 175.8



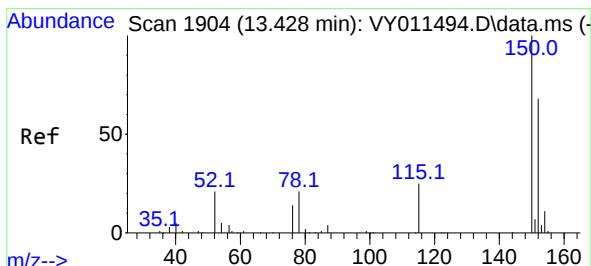
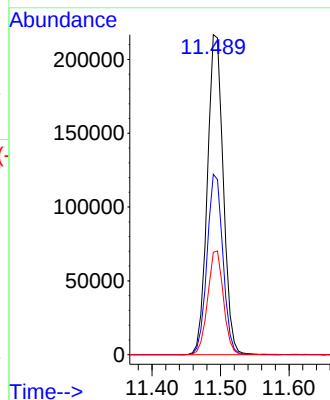
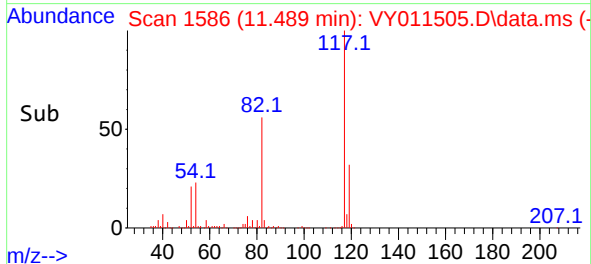


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY011505.D
Acq: 18 Nov 2022 16:37

Instrument :
MSVOA_Y
ClientSampleId :

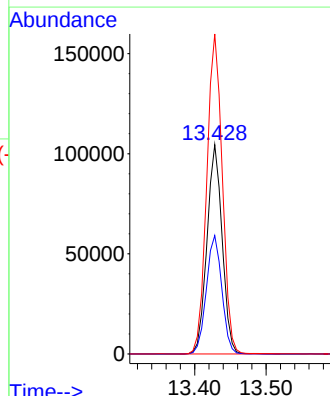
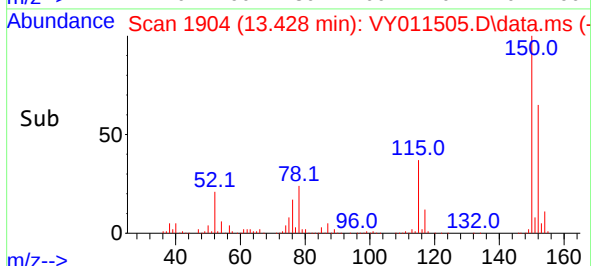
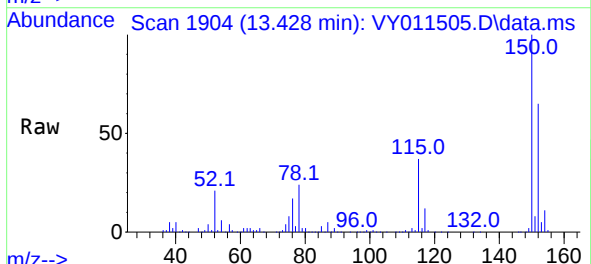


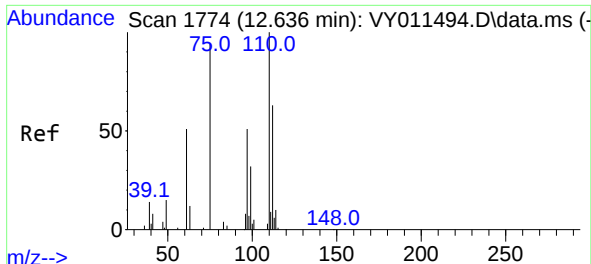
Tgt Ion:117 Resp: 350466
Ion Ratio Lower Upper
117 100
82 56.4 43.0 64.4
119 32.0 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011505.D
Acq: 18 Nov 2022 16:37

Tgt Ion:152 Resp: 154095
Ion Ratio Lower Upper
152 100
115 57.7 28.2 84.7
150 156.4 0.0 347.6

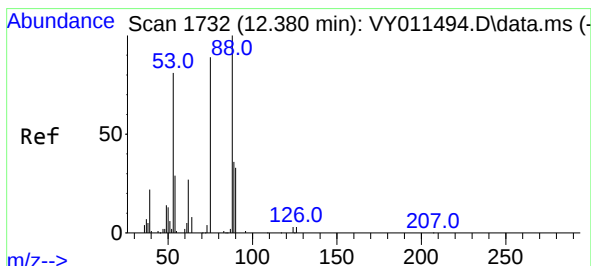
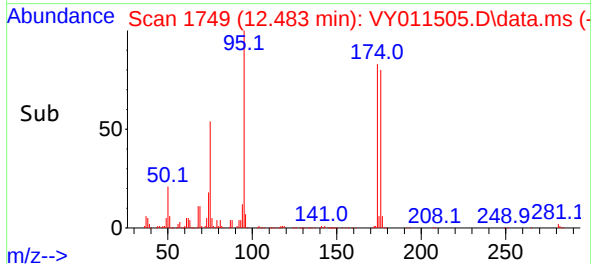
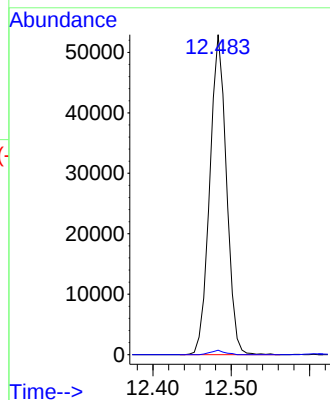
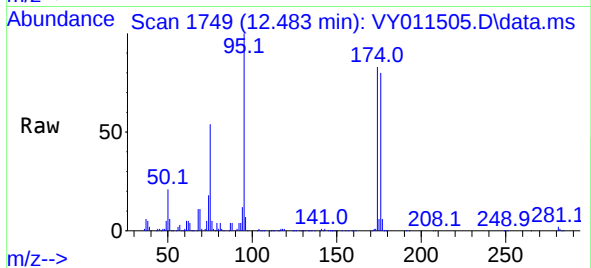




#76
1,2,3-Trichloropropane
Concen: 47.124 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011505.D
Acq: 18 Nov 2022 16:37

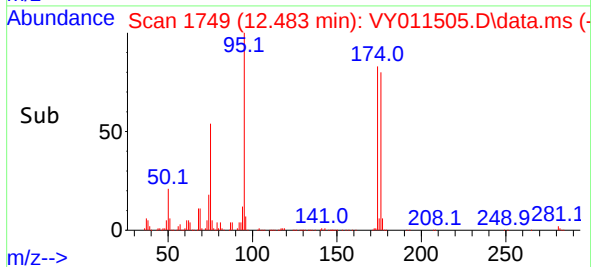
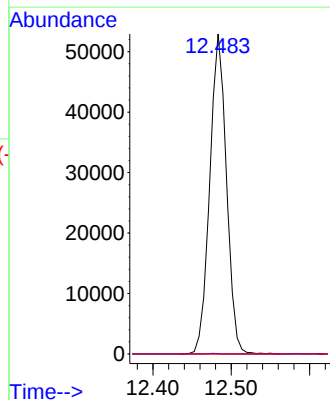
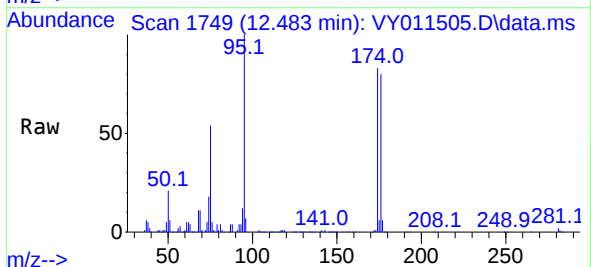
Instrument :
MSVOA_Y
ClientSampleId :

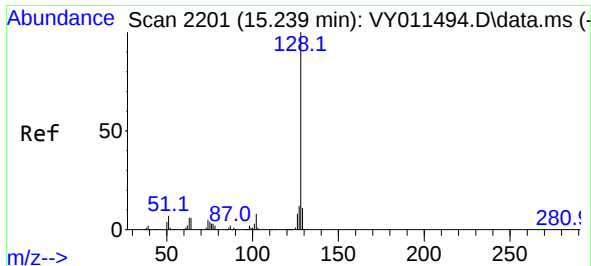
Tgt Ion: 75 Resp: 78203
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.218 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011505.D
Acq: 18 Nov 2022 16:37

Tgt Ion: 75 Resp: 78203
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 4.139 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.006 min

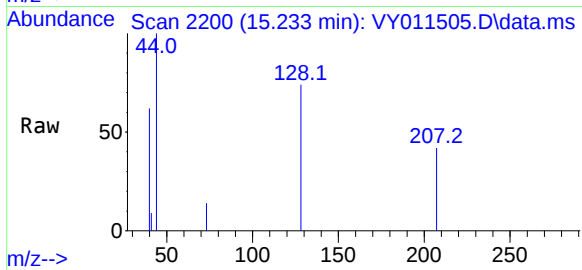
Lab File: VY011505.D

Acq: 18 Nov 2022 16:37

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 706

Ion Ratio Lower Upper

128 100

127 0.0 11.0 16.4#

129 0.0 8.4 12.6#

