

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111822\
 Data File : VY011507.D
 Acq On : 18 Nov 2022 17:24
 Operator : KP/MD
 Sample : N5641-20
 Misc : 6.20g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 19 22:41:51 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	186791	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	354869	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	335629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	147068	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	132486	69.852	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	139.700%
35) Dibromofluoromethane	7.722	113	115128	52.701	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.400%
50) Toluene-d8	10.179	98	434240	54.701	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	109.400%
62) 4-Bromofluorobenzene	12.483	95	137912	46.987	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	93.980%

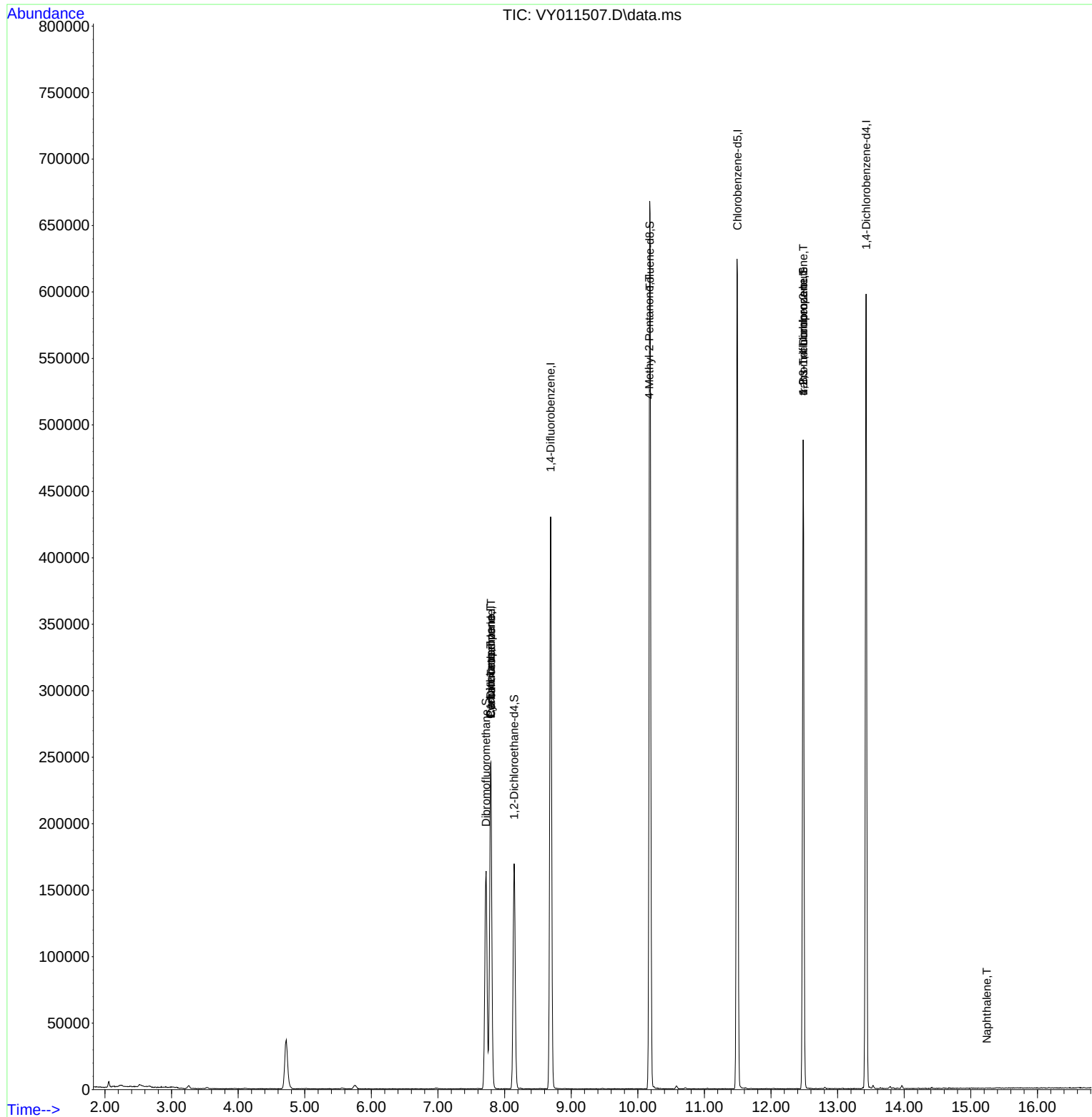
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.125	50	297	Below Cal	#	44
5) Bromomethane	2.674	94	395	Below Cal	#	43
11) Tert butyl alcohol	4.948	59	270	Below Cal	#	77
18) Methyl Acetate	4.478	43	45	Below Cal	#	56
31) Cyclohexane	7.789	56	3973	1.264	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	14586	4.271	ug/l #	51
38) Carbon Tetrachloride	7.795	117	18544	4.854	ug/l #	16
51) 4-Methyl-2-Pentanone	10.173	43	1972	1.011	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	74358	46.948	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	74358	102.833	ug/l #	7
95) Naphthalene	15.239	128	252	4.065	ug/l #	69

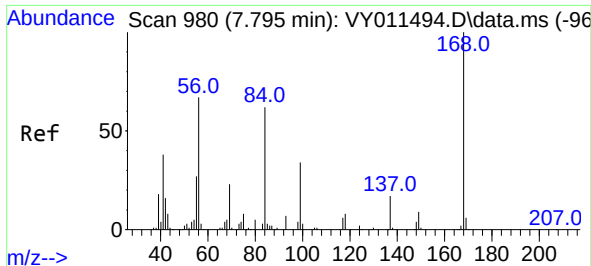
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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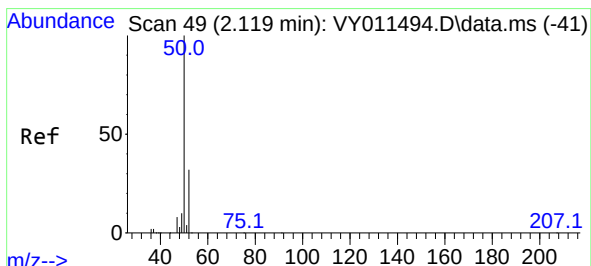
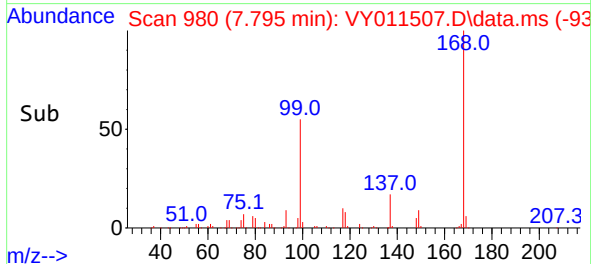
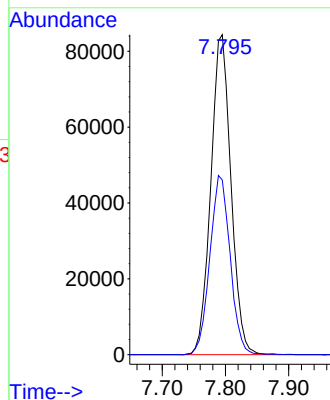
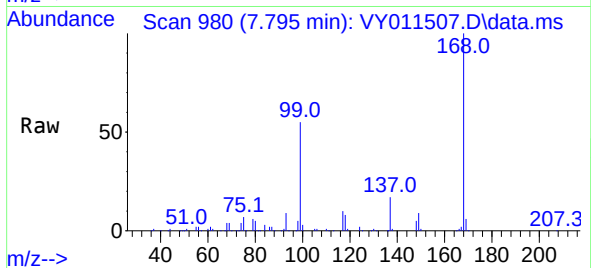




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011507.D
Acq: 18 Nov 2022 17:24

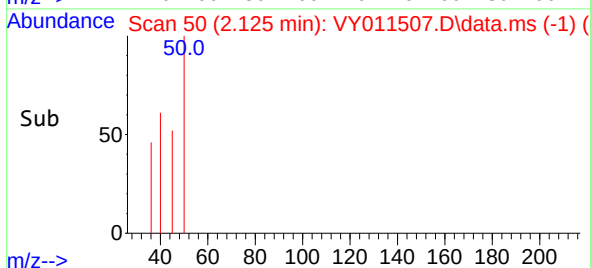
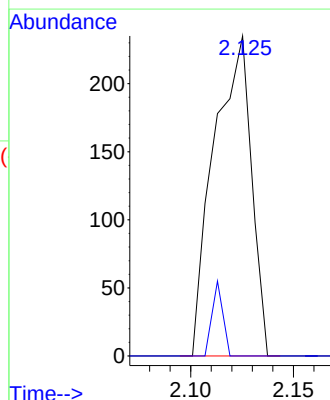
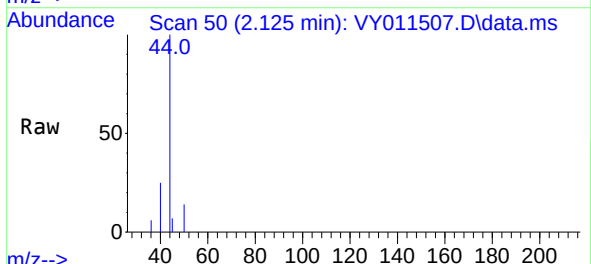
Instrument :
MSVOA_Y
ClientSampleId :

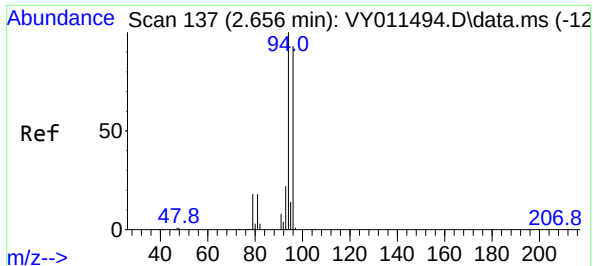
Tgt Ion:168 Resp: 186791
Ion Ratio Lower Upper
168 100
99 54.6 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.125 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY011507.D
Acq: 18 Nov 2022 17:24

Tgt Ion: 50 Resp: 297
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

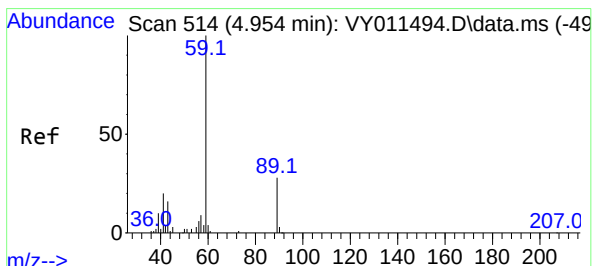
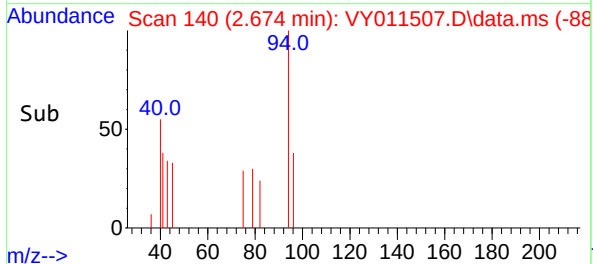
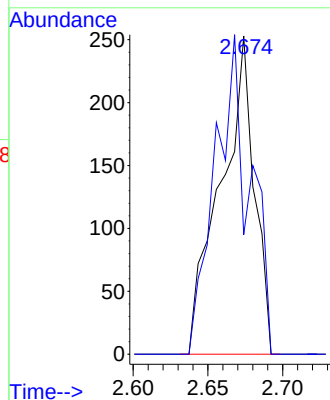
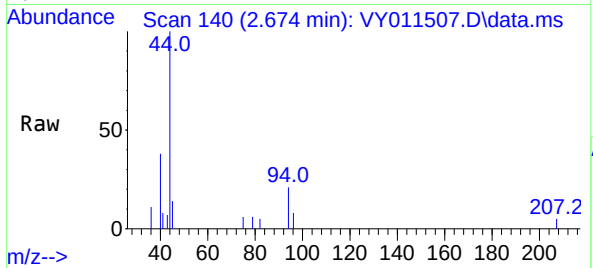




#5
Bromomethane
Concen: Below Cal
RT: 2.674 min Scan# 14
Delta R.T. 0.018 min
Lab File: VY011507.D
Acq: 18 Nov 2022 17:24

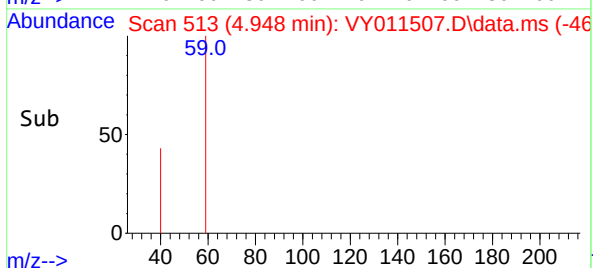
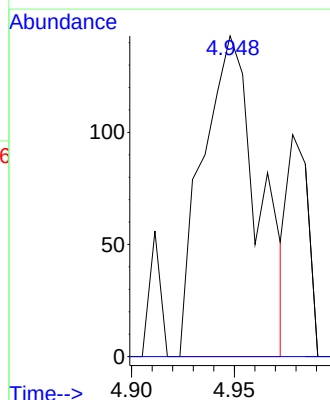
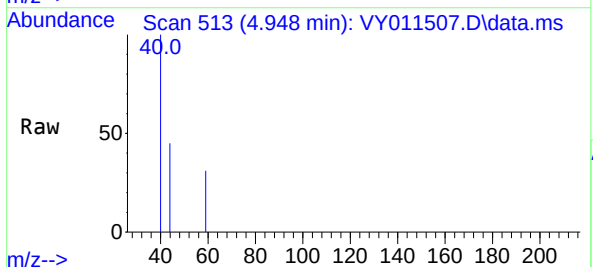
Instrument :
MSVOA_Y
ClientSampleId :

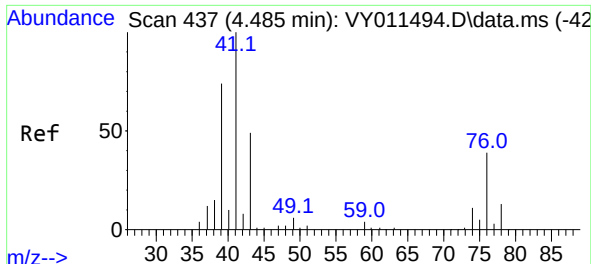
Tgt Ion: 94 Resp: 395
Ion Ratio Lower Upper
94 100
96 37.5 73.5 110.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.006 min
Lab File: VY011507.D
Acq: 18 Nov 2022 17:24

Tgt Ion: 59 Resp: 270
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.478 min Scan# 41

Delta R.T. -0.007 min

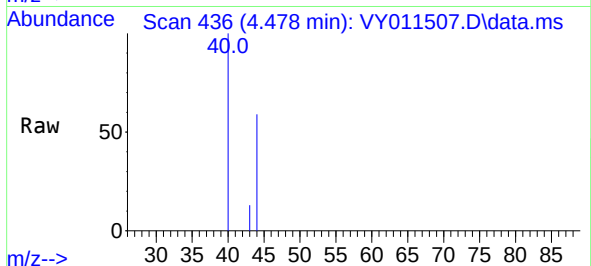
Lab File: VY011507.D

Acq: 18 Nov 2022 17:24

Instrument :

MSVOA_Y

ClientSampleId :

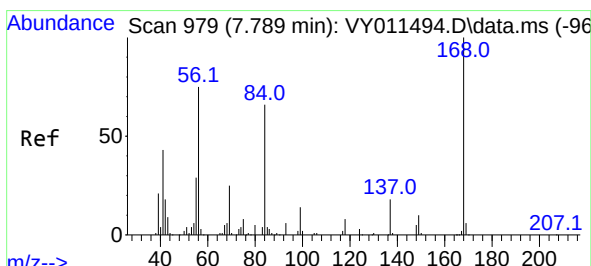
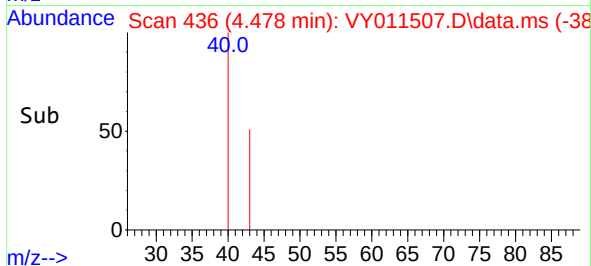
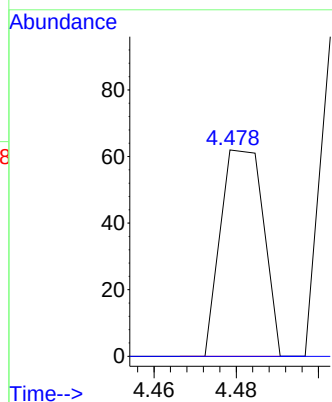


Tgt Ion: 43 Resp: 45

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#31

Cyclohexane

Concen: 1.264 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.000 min

Lab File: VY011507.D

Acq: 18 Nov 2022 17:24

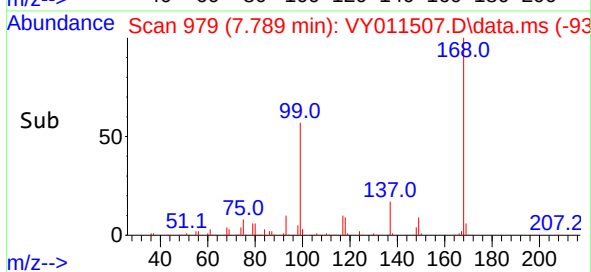
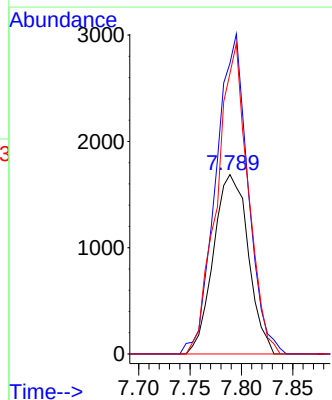
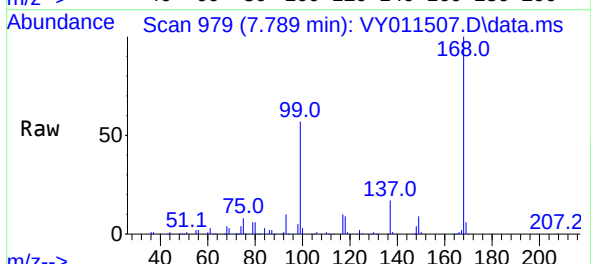
Tgt Ion: 56 Resp: 3973

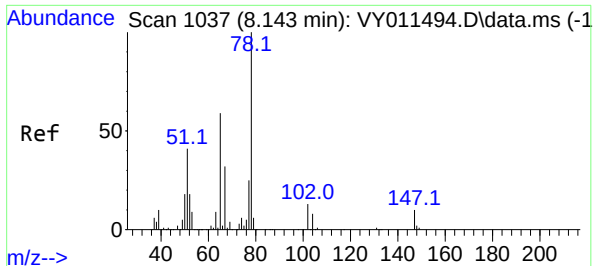
Ion Ratio Lower Upper

56 100

69 162.1 26.7 40.1#

84 156.3 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 69.852 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY011507.D

Acq: 18 Nov 2022 17:24

Instrument :

MSVOA_Y

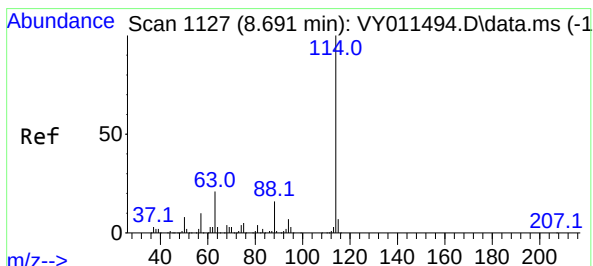
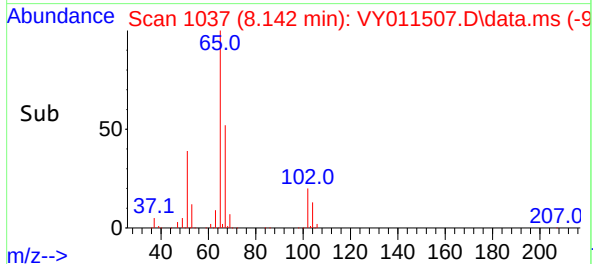
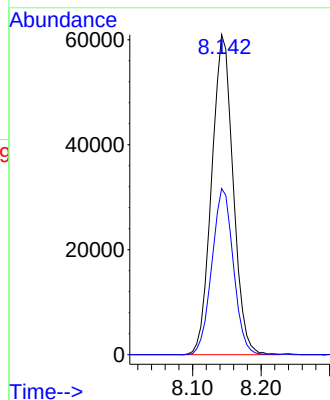
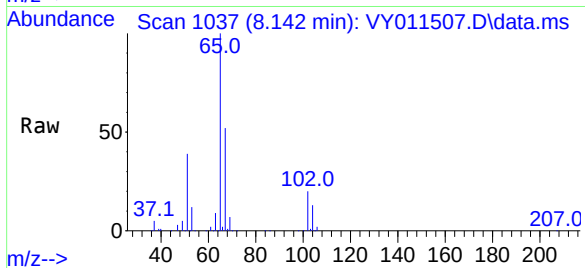
ClientSampleId :

Tgt Ion: 65 Resp: 132486

Ion Ratio Lower Upper

65 100

67 52.0 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011507.D

Acq: 18 Nov 2022 17:24

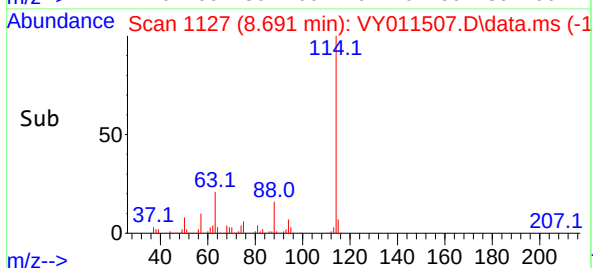
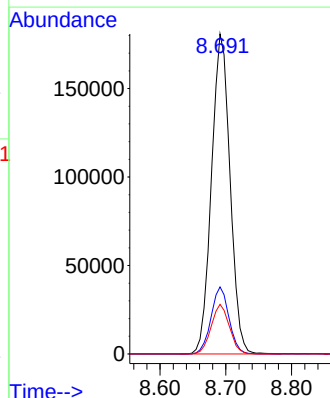
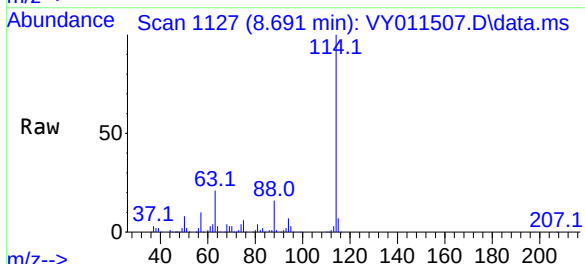
Tgt Ion: 114 Resp: 354869

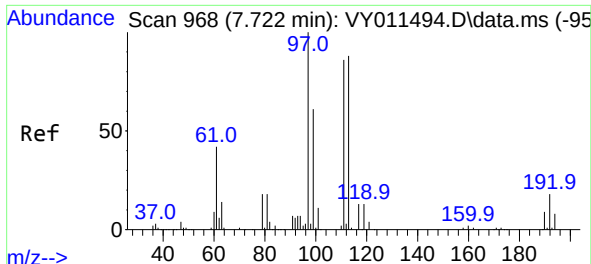
Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.2

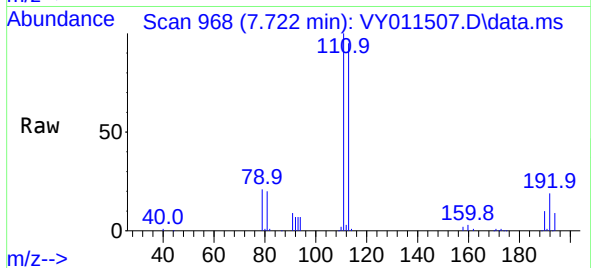
88 15.5 0.0 31.8



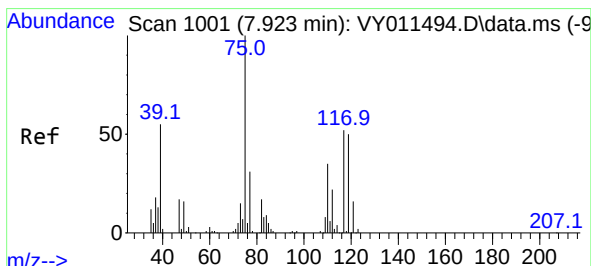
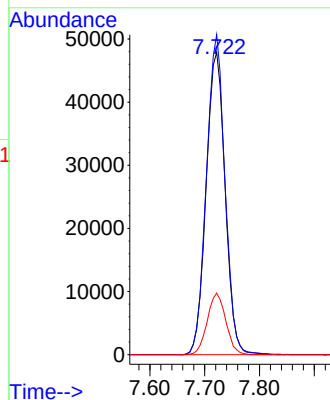
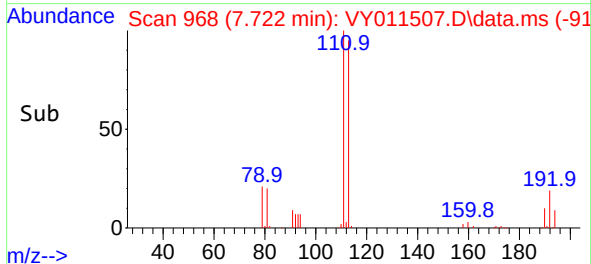


#35
Dibromofluoromethane
Concen: 52.701 ug/l
RT: 7.722 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY011507.D
Acq: 18 Nov 2022 17:24

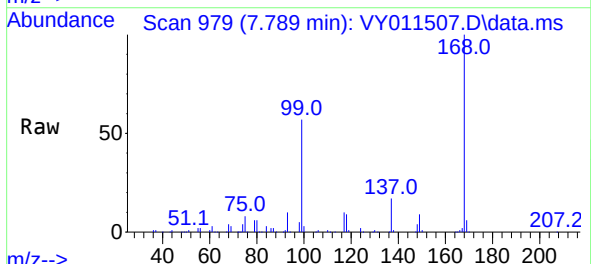
Instrument :
MSVOA_Y
ClientSampleId :



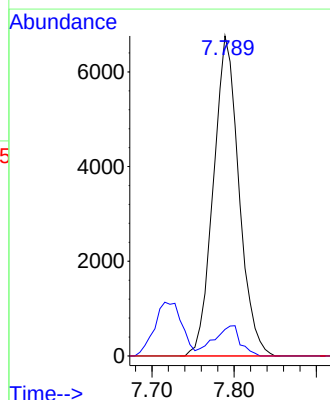
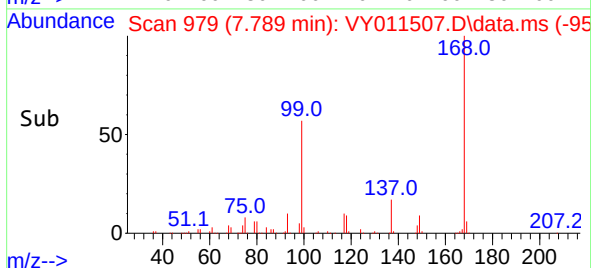
Tgt Ion:113 Resp: 115128
Ion Ratio Lower Upper
113 100
111 103.3 82.6 124.0
192 19.9 17.6 26.4

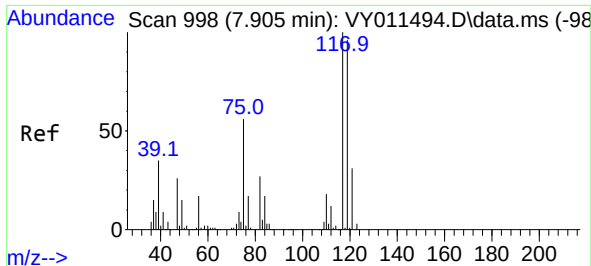


#36
1,1-Dichloropropene
Concen: 4.271 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY011507.D
Acq: 18 Nov 2022 17:24



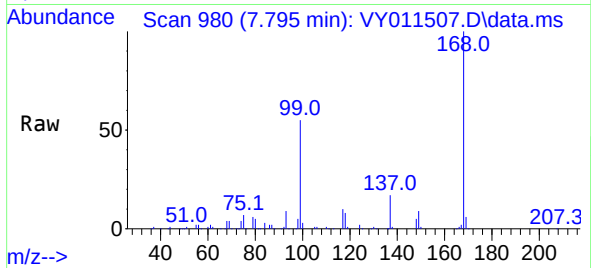
Tgt Ion: 75 Resp: 14586
Ion Ratio Lower Upper
75 100
110 9.8 17.1 51.2#
77 0.0 24.4 36.6#



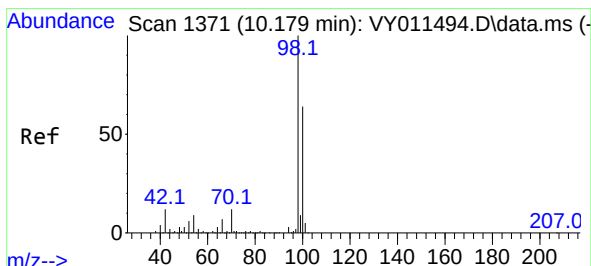
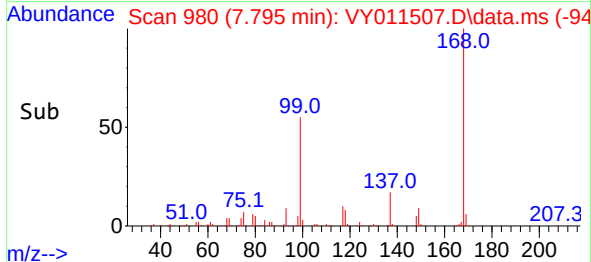
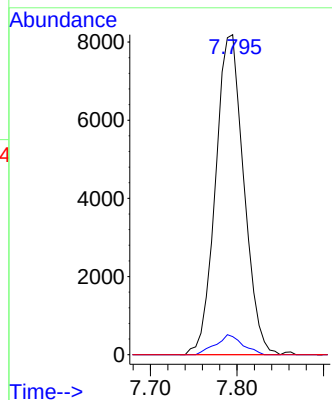


#38
Carbon Tetrachloride
Concen: 4.854 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY011507.D
Acq: 18 Nov 2022 17:24

Instrument :
MSVOA_Y
ClientSampleId :

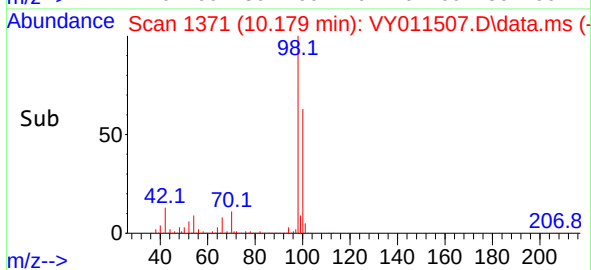
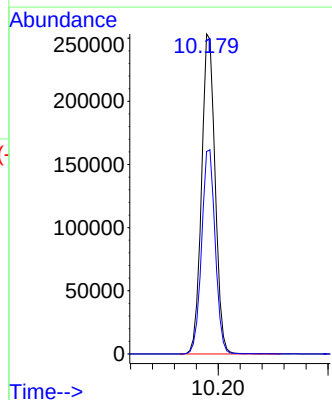
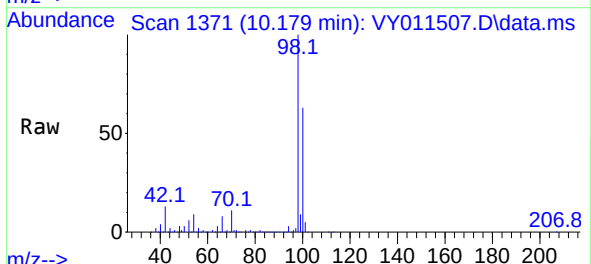


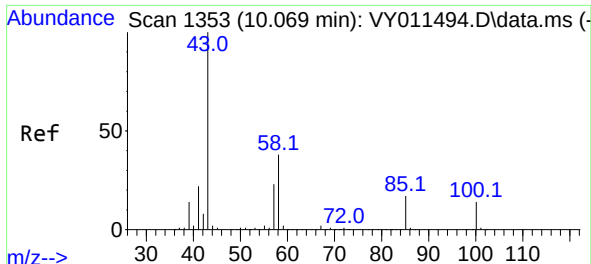
Tgt Ion:117 Resp: 18544
Ion Ratio Lower Upper
117 100
119 5.6 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 54.701 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011507.D
Acq: 18 Nov 2022 17:24

Tgt Ion: 98 Resp: 434240
Ion Ratio Lower Upper
98 100
100 64.1 50.2 75.2

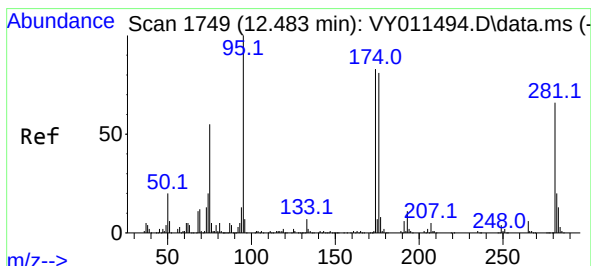
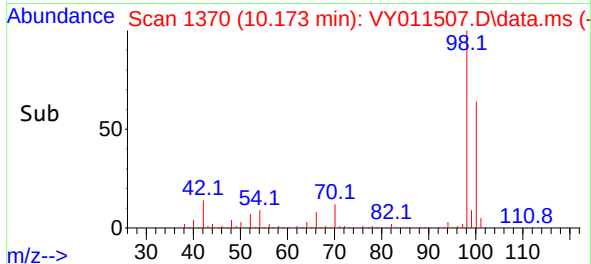
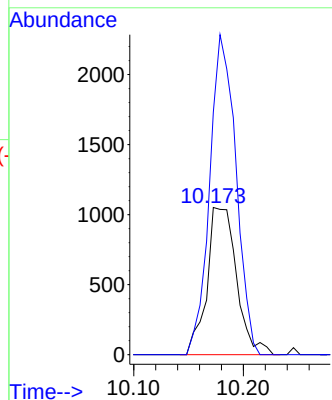
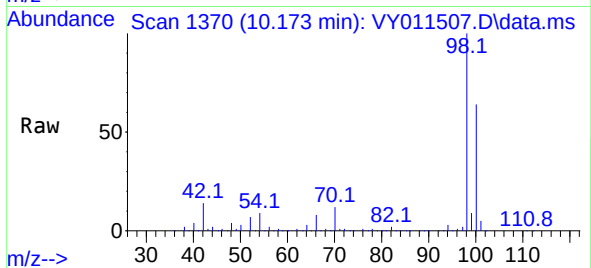




#51
4-Methyl-2-Pentanone
Concen: 1.011 ug/l
RT: 10.173 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY011507.D
Acq: 18 Nov 2022 17:24

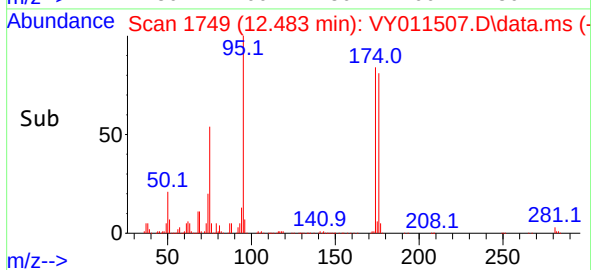
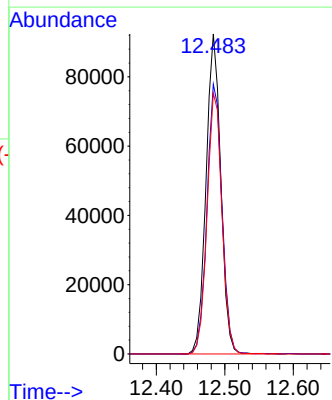
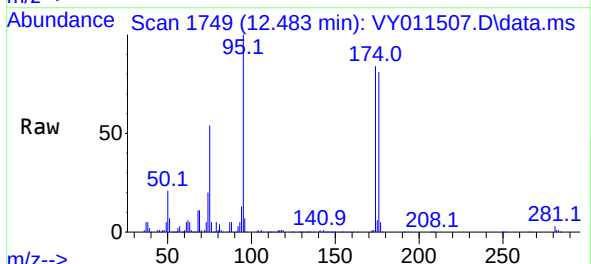
Instrument :
MSVOA_Y
ClientSampleId :

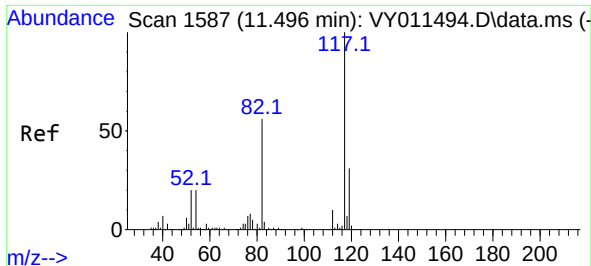
Tgt Ion: 43 Resp: 1972
Ion Ratio Lower Upper
43 100
58 193.3 28.1 42.1#



#62
4-Bromofluorobenzene
Concen: 46.987 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011507.D
Acq: 18 Nov 2022 17:24

Tgt Ion: 95 Resp: 137912
Ion Ratio Lower Upper
95 100
174 86.2 0.0 177.0
176 82.4 0.0 175.8

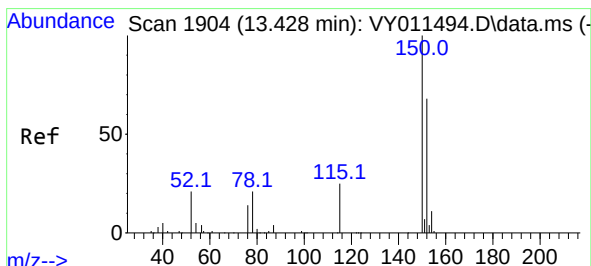
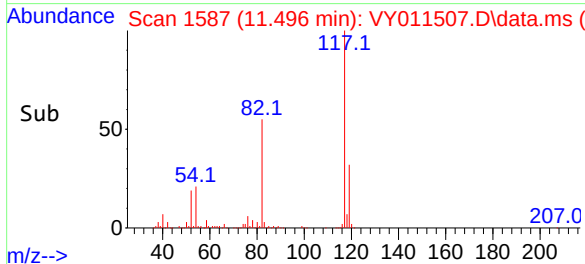
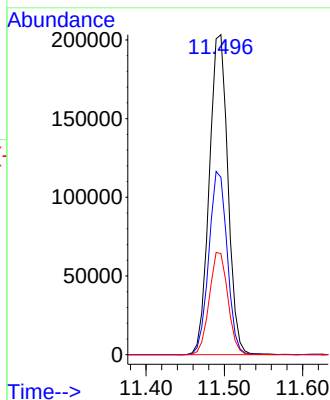
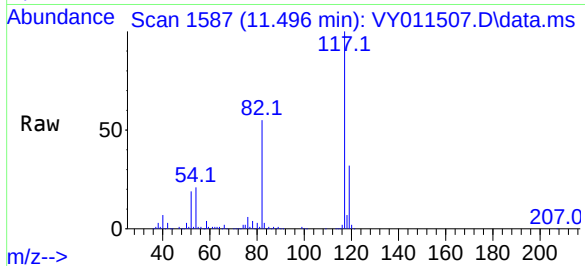




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY011507.D
Acq: 18 Nov 2022 17:24

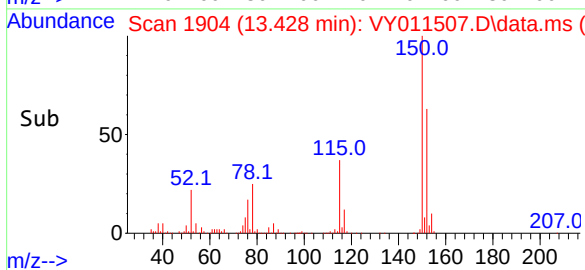
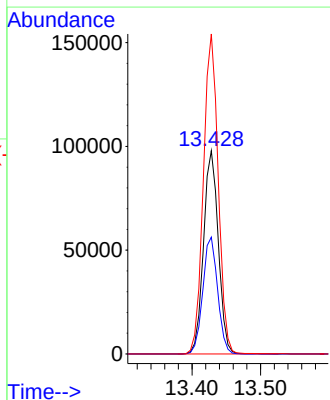
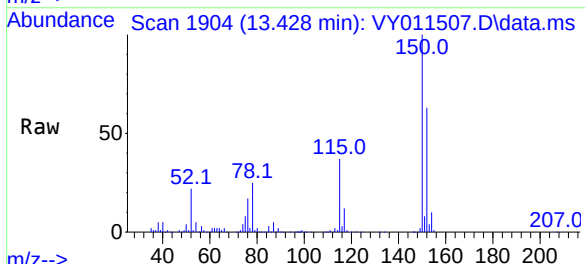
Instrument :
MSVOA_Y
ClientSampleId :

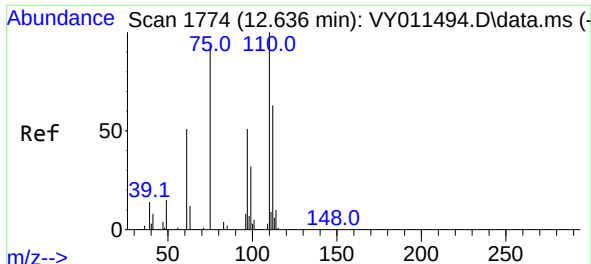
Tgt Ion:117 Resp: 335629
Ion Ratio Lower Upper
117 100
82 55.4 43.0 64.4
119 31.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011507.D
Acq: 18 Nov 2022 17:24

Tgt Ion:152 Resp: 147068
Ion Ratio Lower Upper
152 100
115 57.7 28.2 84.7
150 158.1 0.0 347.6

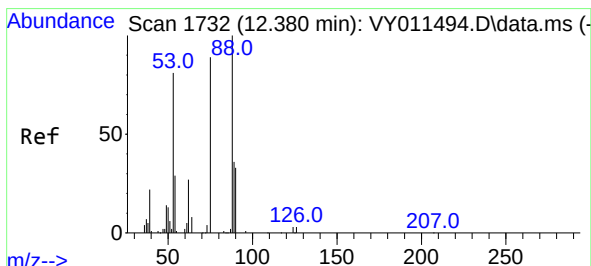
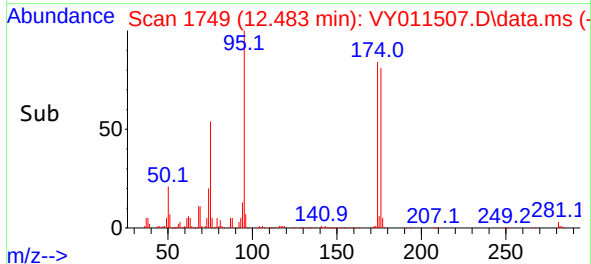
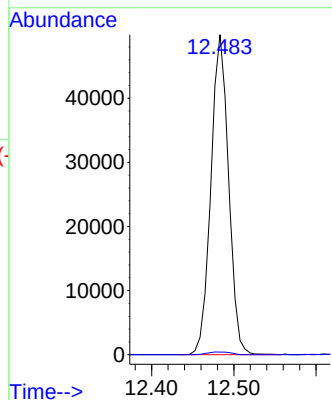
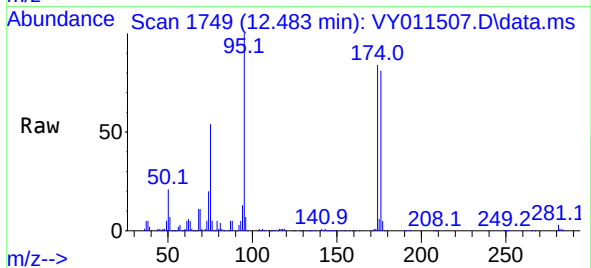




#76
1,2,3-Trichloropropane
Concen: 46.948 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011507.D
Acq: 18 Nov 2022 17:24

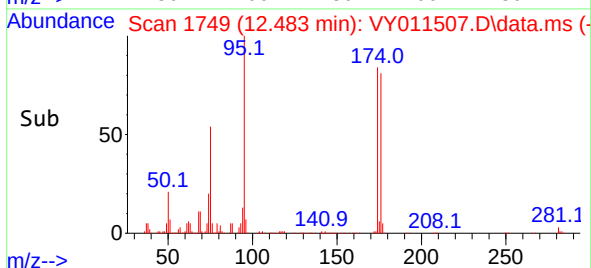
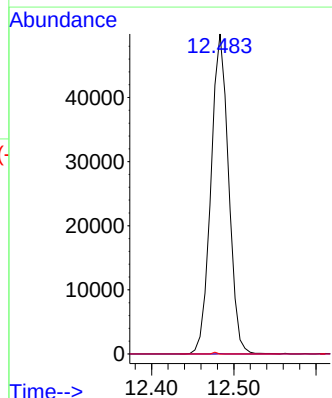
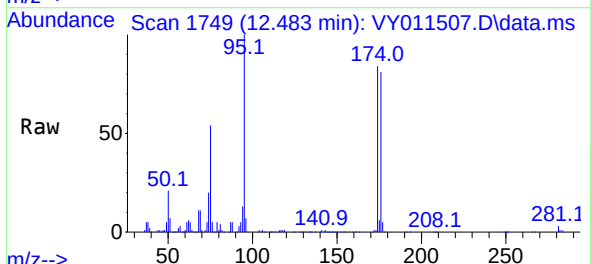
Instrument :
MSVOA_Y
ClientSampleId :

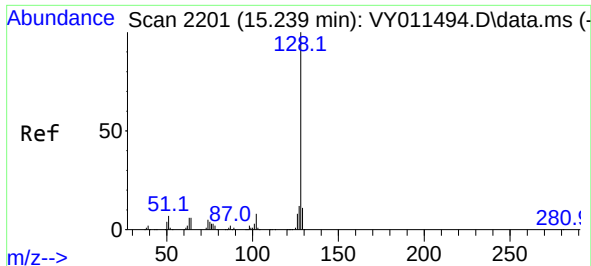
Tgt Ion: 75 Resp: 74358
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.833 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011507.D
Acq: 18 Nov 2022 17:24

Tgt Ion: 75 Resp: 74358
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#





#95

Naphthalene

Concen: 4.065 ug/l

RT: 15.239 min Scan# 21

Delta R.T. -0.000 min

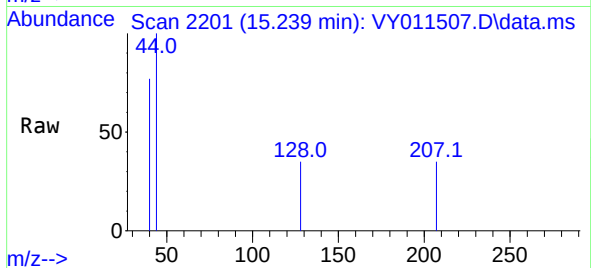
Lab File: VY011507.D

Acq: 18 Nov 2022 17:24

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 252

Ion Ratio Lower Upper

128 100

127 0.0 11.0 16.4#

129 0.0 8.4 12.6#

