

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112322\
 Data File : VY011572.D
 Acq On : 23 Nov 2022 14:00
 Operator : KP/MD
 Sample : N5598-01
 Misc : 5.59g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 24 00:37:53 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)

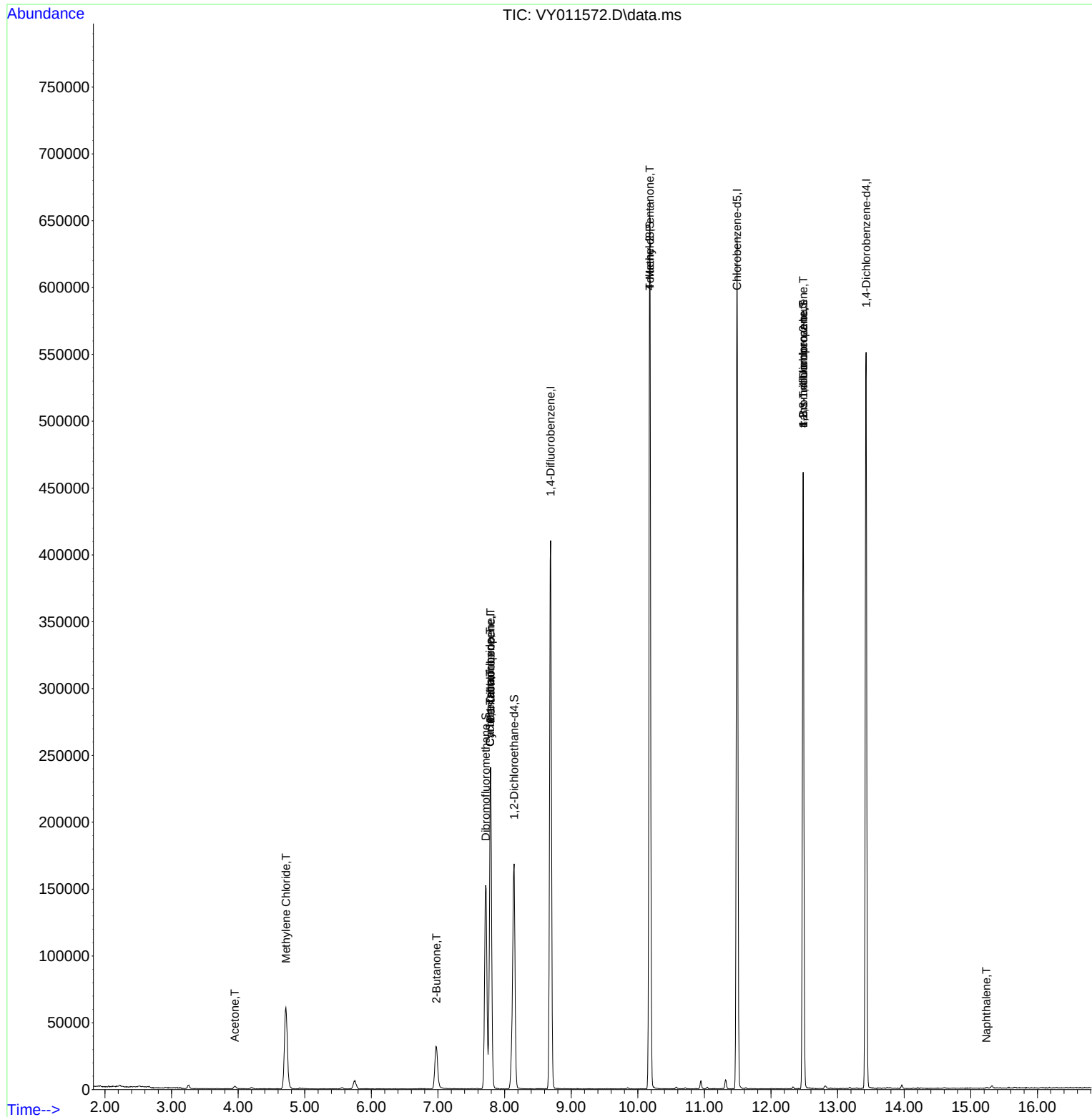
Internal Standards						
1) Pentafluorobenzene	7.789	168	178080	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	343559	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	326392	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	139833	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	119256	65.952	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	131.900%
35) Dibromofluoromethane	7.716	113	110907	52.440	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.880%
50) Toluene-d8	10.179	98	423947	55.162	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	110.320%
62) 4-Bromofluorobenzene	12.483	95	132714	46.705	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	93.400%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	395	Below Cal		85
3) Chloromethane	2.119	50	302	Below Cal	#	44
5) Bromomethane	2.668	94	199	Below Cal	#	75
11) Tert butyl alcohol	4.936	59	470	Below Cal	#	77
16) Acetone	3.948	43	3551	6.046	ug/l #	70
18) Methyl Acetate	4.466	43	101	Below Cal	#	56
20) Methylene Chloride	4.716	84	45026	12.337	ug/l	89
25) 2-Butanone	6.978	43	1747	2.263	ug/l #	89
31) Cyclohexane	7.783	56	3887	1.297	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	14695	4.445	ug/l #	50
38) Carbon Tetrachloride	7.783	117	18604	5.030	ug/l #	15
51) 4-Methyl-2-Pentanone	10.179	43	1959	1.038	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	71404	47.416	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	71404	103.857	ug/l #	7
95) Naphthalene	15.233	128	481	4.109	ug/l #	69

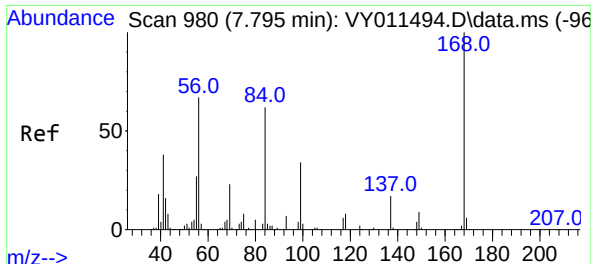
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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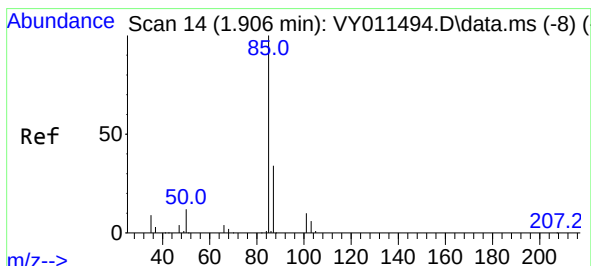
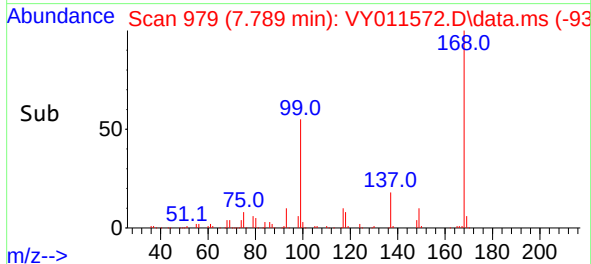
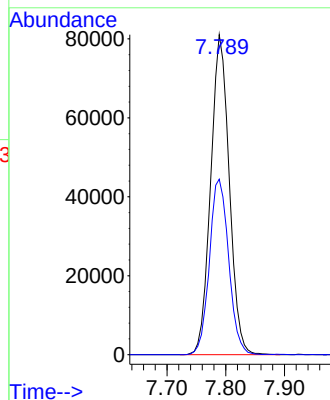
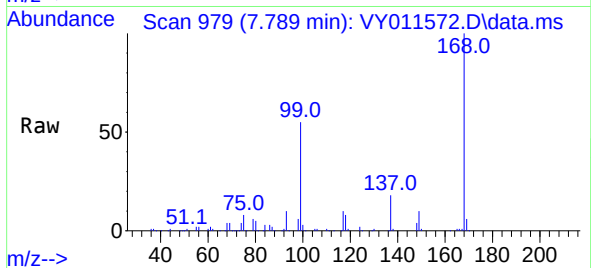




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011572.D
Acq: 23 Nov 2022 14:00

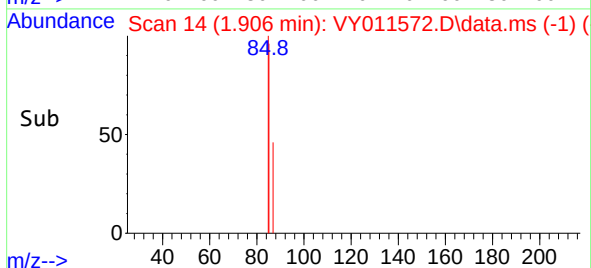
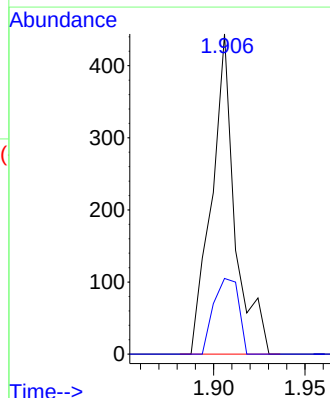
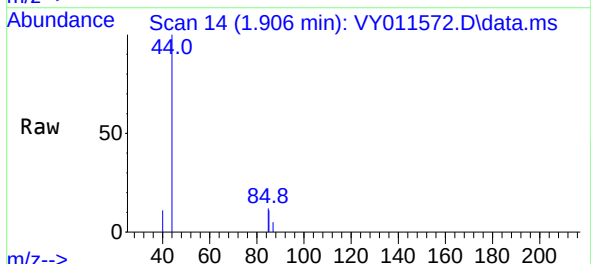
Instrument :
MSVOA_Y
ClientSampleId :

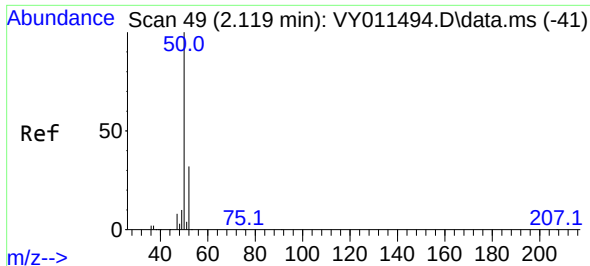
Tgt Ion:168 Resp: 178080
Ion Ratio Lower Upper
168 100
99 54.8 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011572.D
Acq: 23 Nov 2022 14:00

Tgt Ion: 85 Resp: 395
Ion Ratio Lower Upper
85 100
87 23.6 16.1 48.2

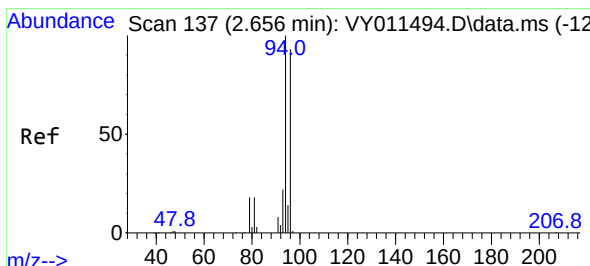
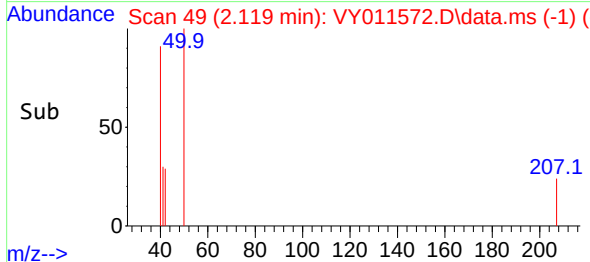
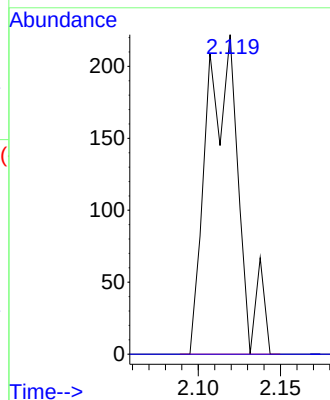
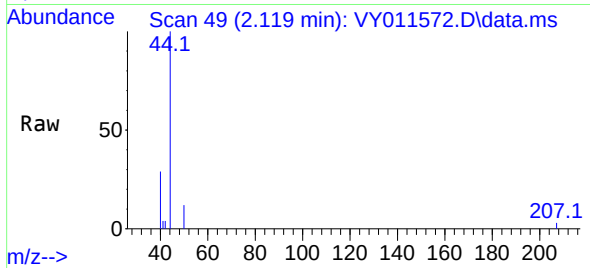




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY011572.D
Acq: 23 Nov 2022 14:00

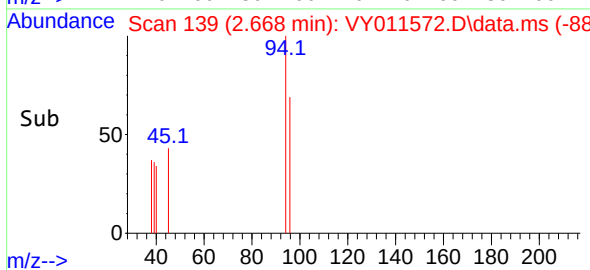
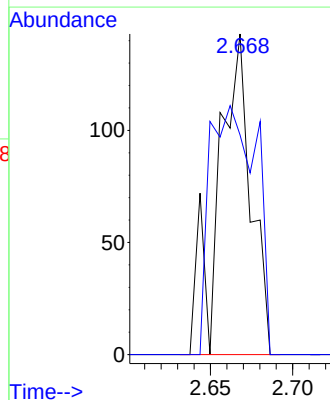
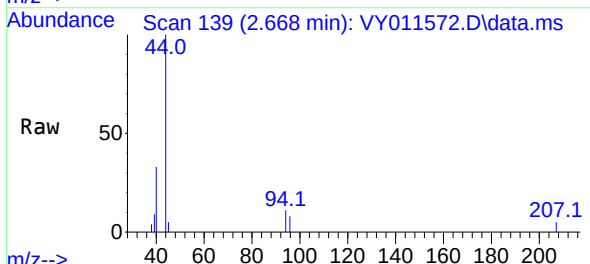
Instrument :
MSVOA_Y
ClientSampleId :

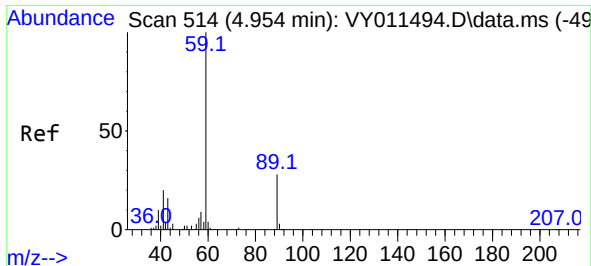
Tgt Ion: 50 Resp: 302
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 139
Delta R.T. 0.012 min
Lab File: VY011572.D
Acq: 23 Nov 2022 14:00

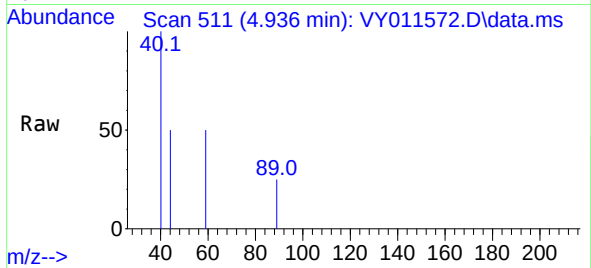
Tgt Ion: 94 Resp: 199
Ion Ratio Lower Upper
94 100
96 68.5 73.5 110.3#



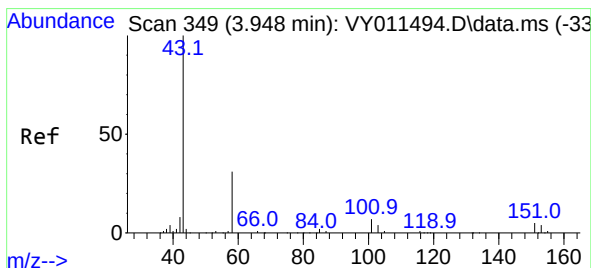
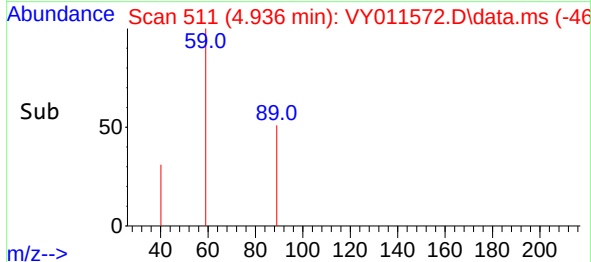
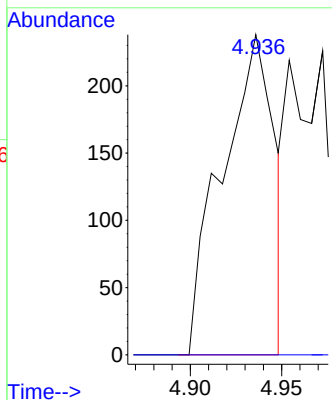


#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 514
Delta R.T. -0.018 min
Lab File: VY011572.D
Acq: 23 Nov 2022 14:00

Instrument :
MSVOA_Y
ClientSampleId :

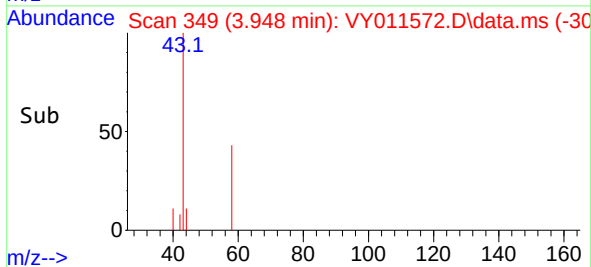
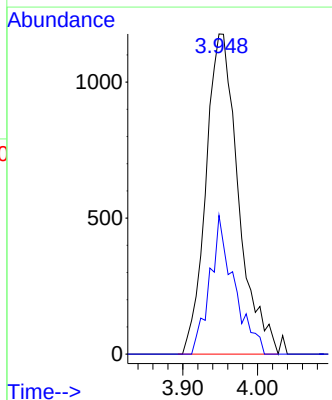
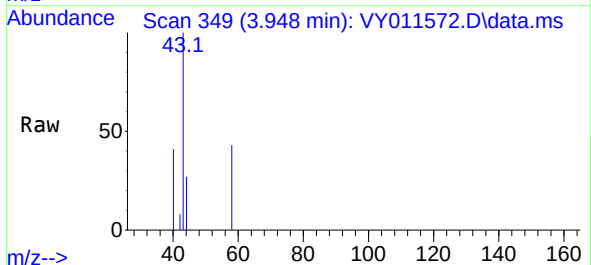


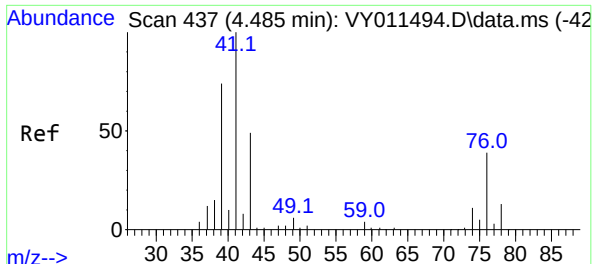
Tgt Ion: 59 Resp: 470
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 6.046 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY011572.D
Acq: 23 Nov 2022 14:00

Tgt Ion: 43 Resp: 3551
Ion Ratio Lower Upper
43 100
58 43.3 22.0 33.0#

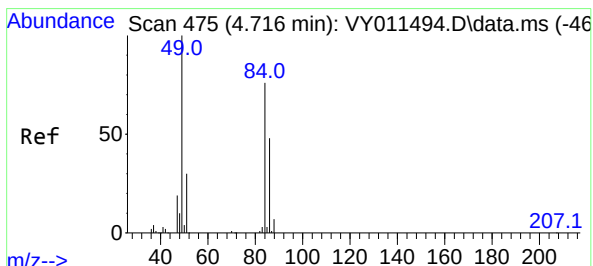
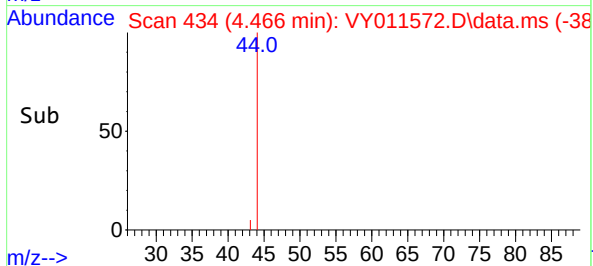
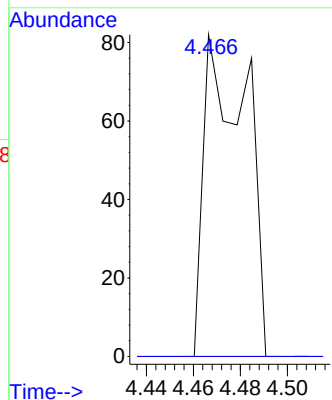
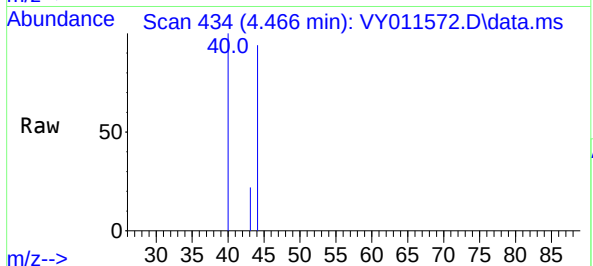




#18
Methyl Acetate
Concen: Below Cal
RT: 4.466 min Scan# 41
Delta R.T. -0.019 min
Lab File: VY011572.D
Acq: 23 Nov 2022 14:00

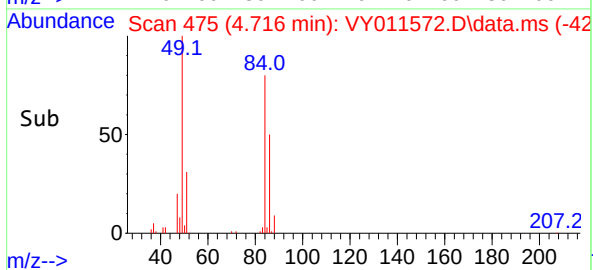
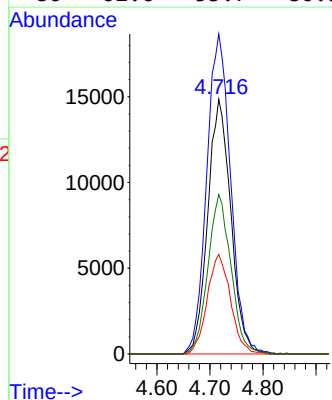
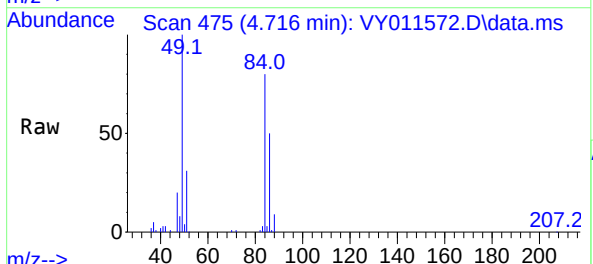
Instrument :
MSVOA_Y
ClientSampleId :

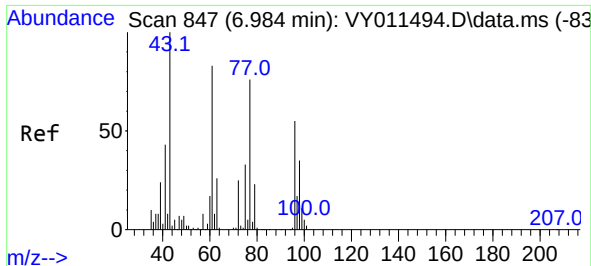
Tgt Ion: 43 Resp: 101
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 12.337 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY011572.D
Acq: 23 Nov 2022 14:00

Tgt Ion: 84 Resp: 45026
Ion Ratio Lower Upper
84 100
49 125.6 114.4 171.6
51 39.1 35.3 52.9
86 62.6 53.7 80.5





#25

2-Butanone

Concen: 2.263 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

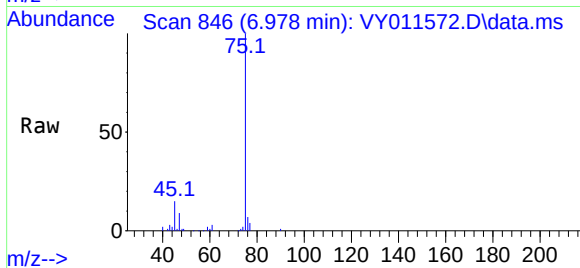
Lab File: VY011572.D

Acq: 23 Nov 2022 14:00

Instrument :

MSVOA_Y

ClientSampleId :

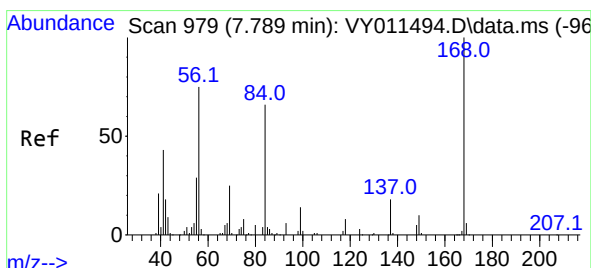
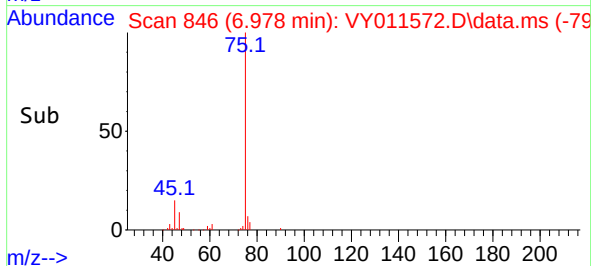
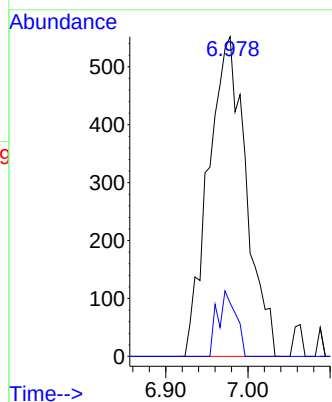


Tgt Ion: 43 Resp: 1747

Ion Ratio Lower Upper

43 100

72 16.7 17.7 26.5#



#31

Cyclohexane

Concen: 1.297 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY011572.D

Acq: 23 Nov 2022 14:00

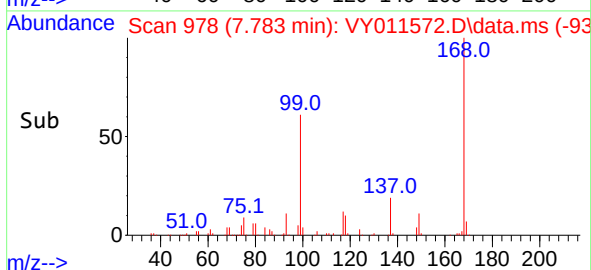
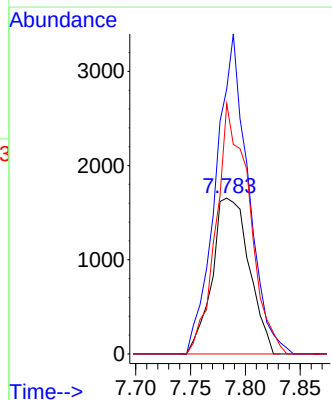
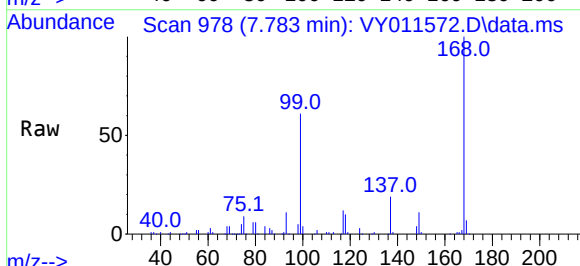
Tgt Ion: 56 Resp: 3887

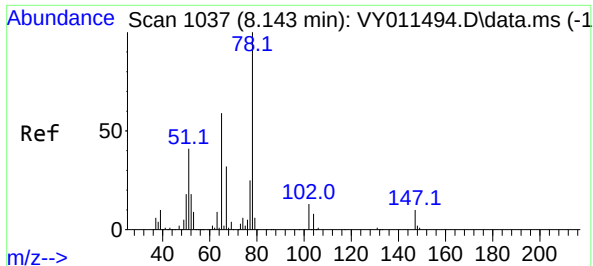
Ion Ratio Lower Upper

56 100

69 170.2 26.7 40.1#

84 160.6 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 65.952 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY011572.D

Acq: 23 Nov 2022 14:00

Instrument :

MSVOA_Y

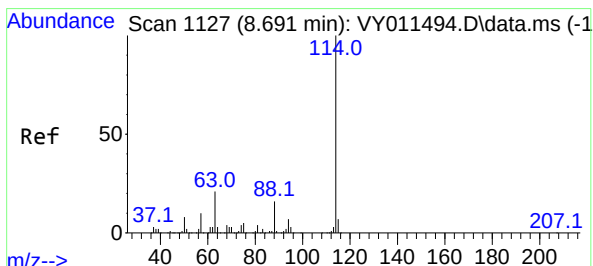
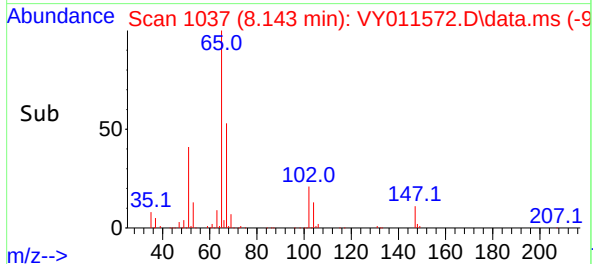
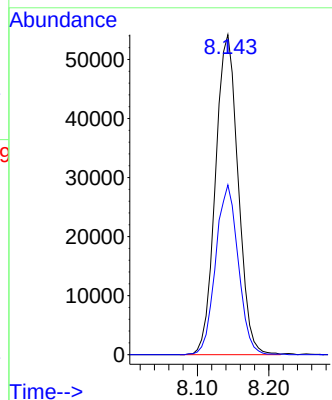
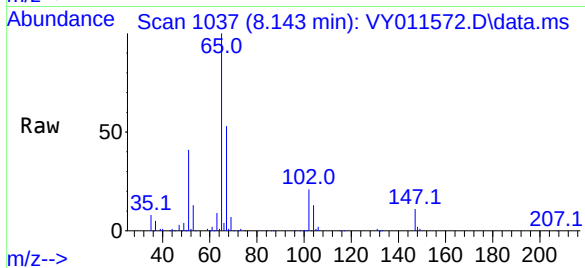
ClientSampleId :

Tgt Ion: 65 Resp: 119256

Ion Ratio Lower Upper

65 100

67 53.0 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: VY011572.D

Acq: 23 Nov 2022 14:00

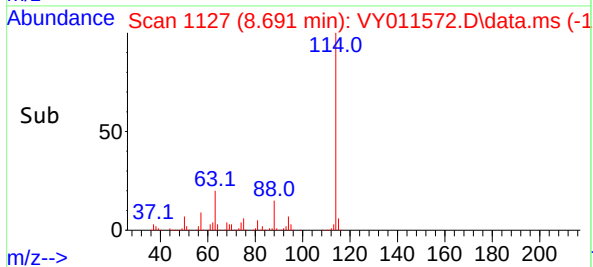
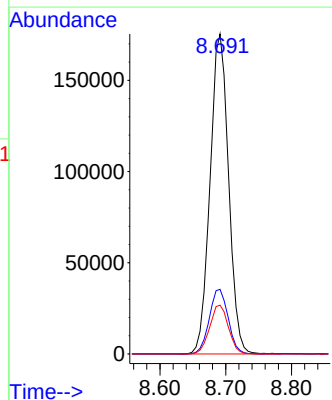
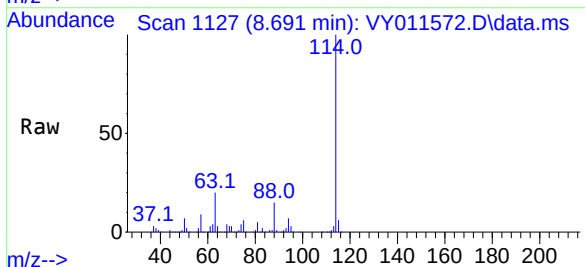
Tgt Ion: 114 Resp: 343559

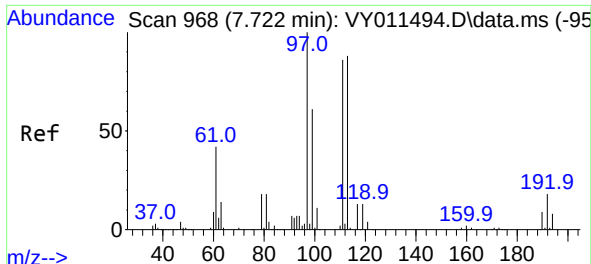
Ion Ratio Lower Upper

114 100

63 20.2 0.0 43.2

88 15.2 0.0 31.8

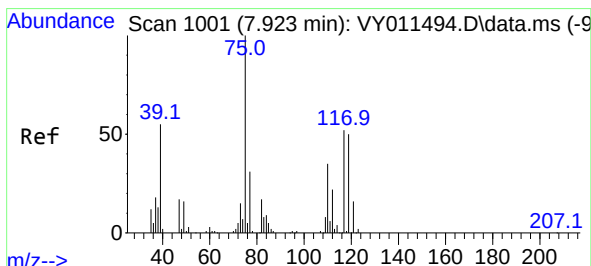
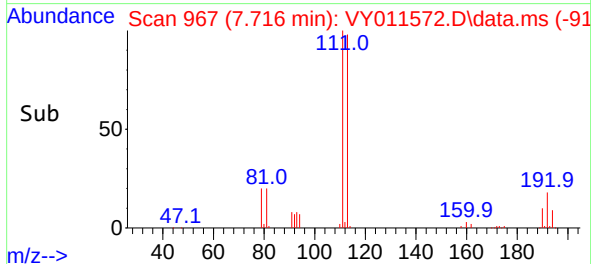
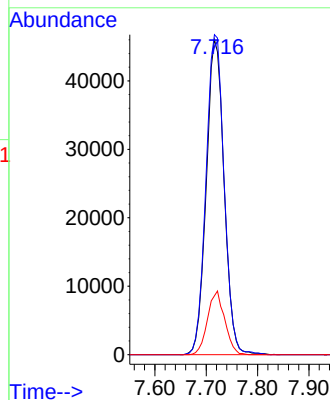
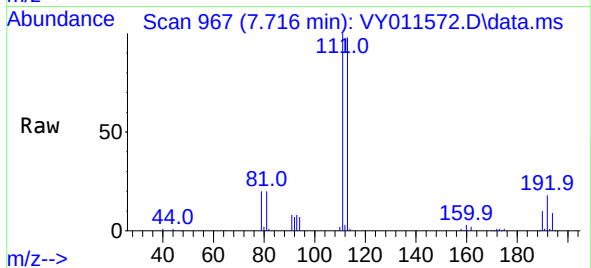




#35
Dibromofluoromethane
Concen: 52.440 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY011572.D
Acq: 23 Nov 2022 14:00

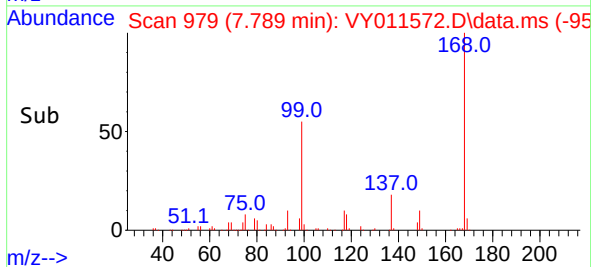
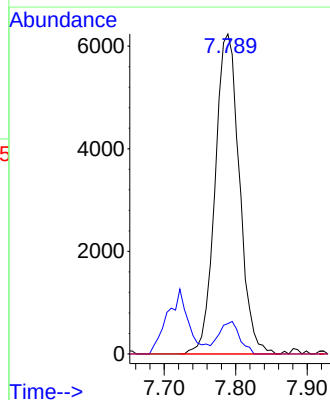
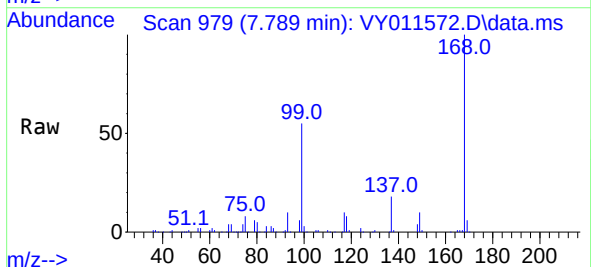
Instrument :
MSVOA_Y
ClientSampleId :

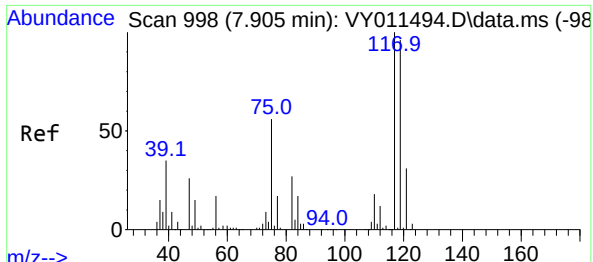
Tgt Ion:113 Resp: 110907
Ion Ratio Lower Upper
113 100
111 103.4 82.6 124.0
192 19.5 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.445 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY011572.D
Acq: 23 Nov 2022 14:00

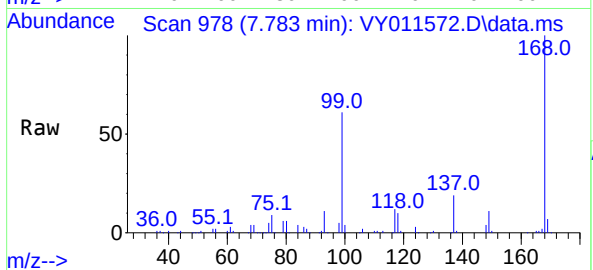
Tgt Ion: 75 Resp: 14695
Ion Ratio Lower Upper
75 100
110 8.6 17.1 51.2#
77 0.0 24.4 36.6#



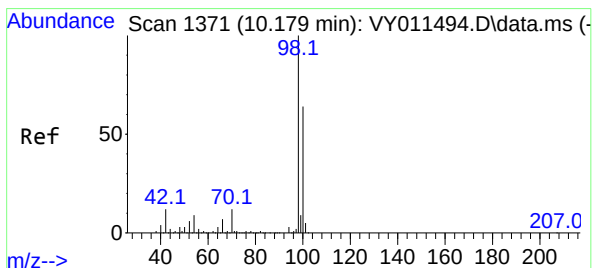
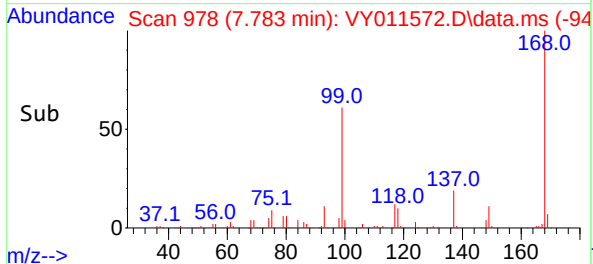
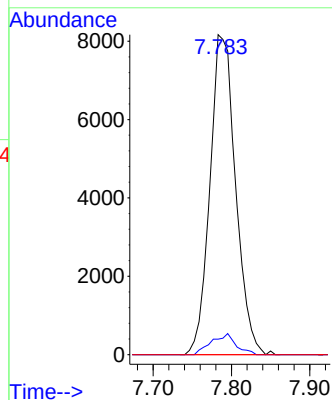


#38
Carbon Tetrachloride
Concen: 5.030 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY011572.D
Acq: 23 Nov 2022 14:00

Instrument :
MSVOA_Y
ClientSampleId :

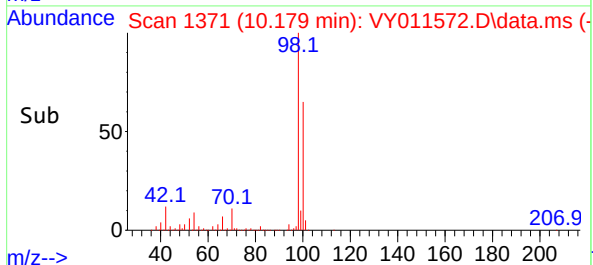
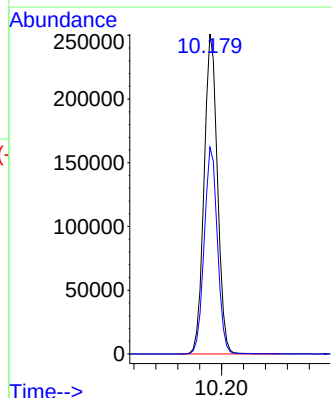
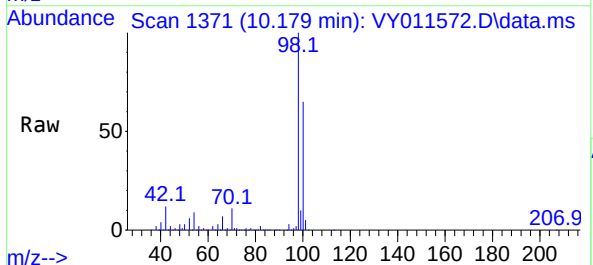


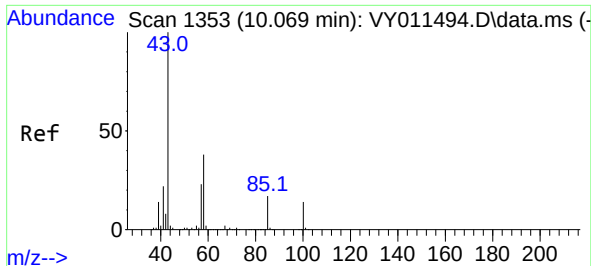
Tgt Ion:117 Resp: 18604
Ion Ratio Lower Upper
117 100
119 4.8 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 55.162 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011572.D
Acq: 23 Nov 2022 14:00

Tgt Ion: 98 Resp: 423947
Ion Ratio Lower Upper
98 100
100 63.9 50.2 75.2

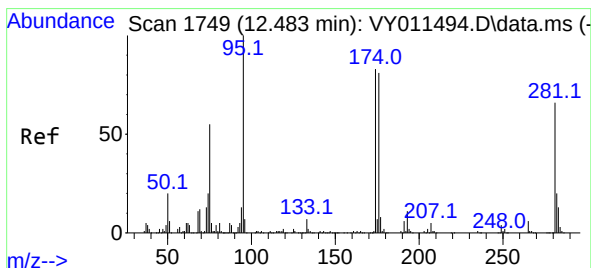
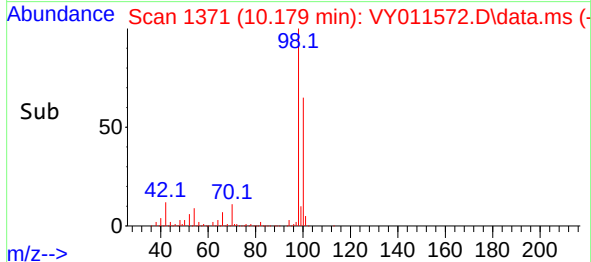
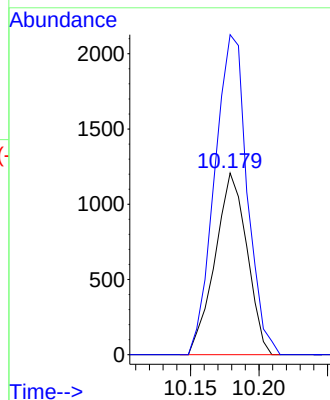
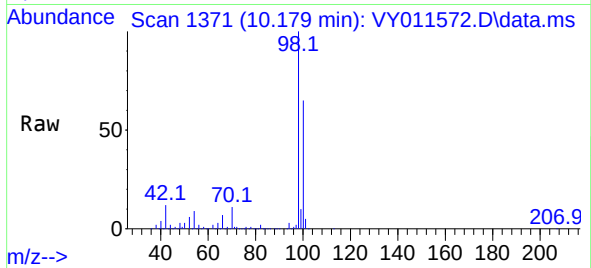




#51
4-Methyl-2-Pentanone
Concen: 1.038 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY011572.D
Acq: 23 Nov 2022 14:00

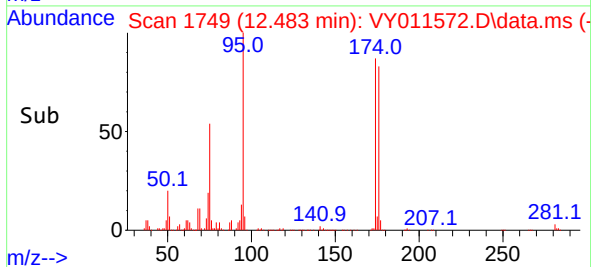
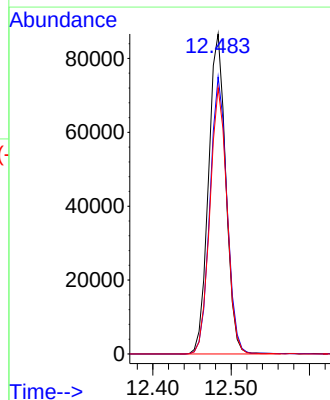
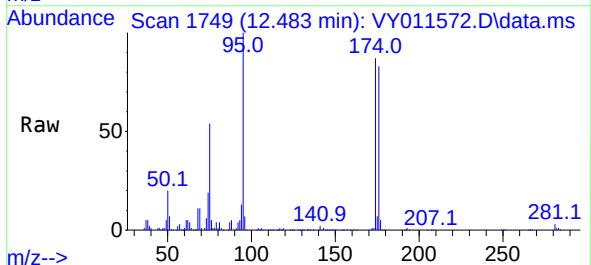
Instrument :
MSVOA_Y
ClientSampleId :

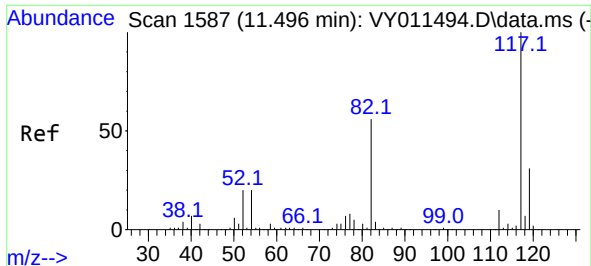
Tgt Ion: 43 Resp: 1959
Ion Ratio Lower Upper
43 100
58 179.6 28.1 42.1#



#62
4-Bromofluorobenzene
Concen: 46.705 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011572.D
Acq: 23 Nov 2022 14:00

Tgt Ion: 95 Resp: 132714
Ion Ratio Lower Upper
95 100
174 85.5 0.0 177.0
176 82.1 0.0 175.8

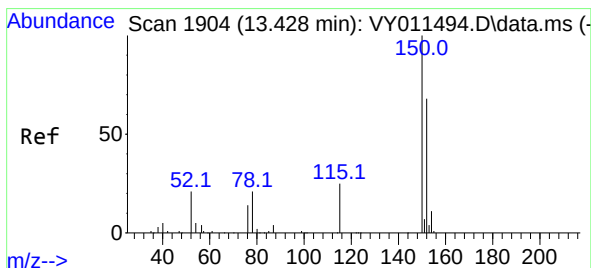
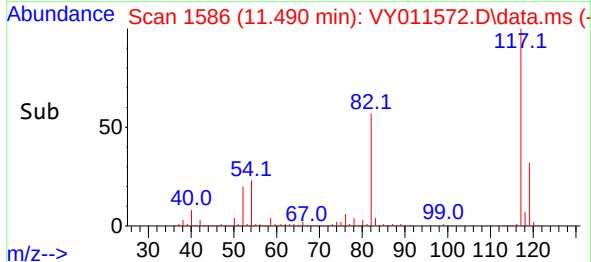
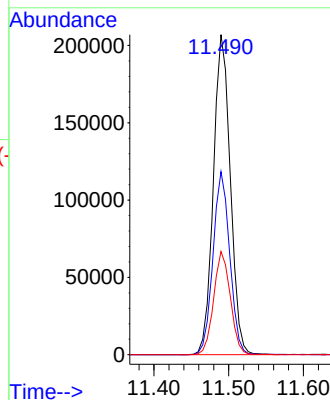
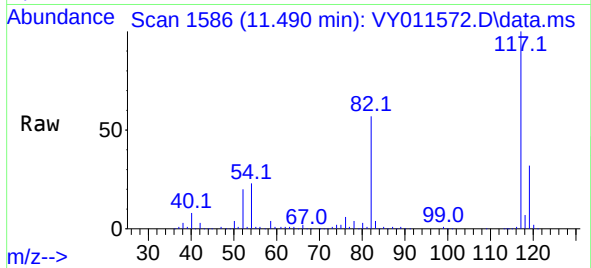




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY011572.D
Acq: 23 Nov 2022 14:00

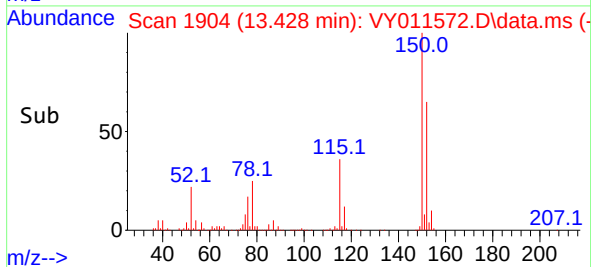
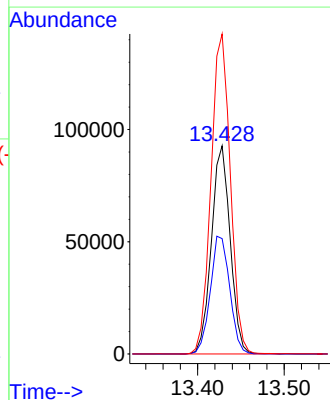
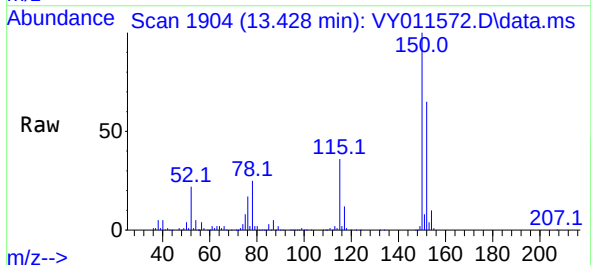
Instrument :
MSVOA_Y
ClientSampleId :

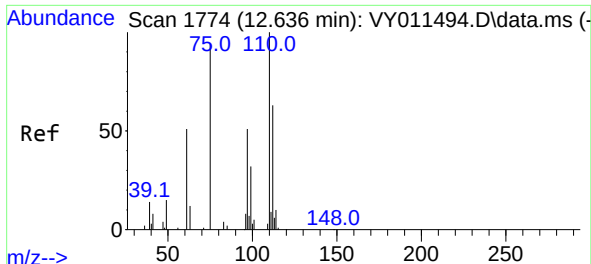
Tgt Ion:117 Resp: 326392
Ion Ratio Lower Upper
117 100
82 57.2 43.0 64.4
119 32.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011572.D
Acq: 23 Nov 2022 14:00

Tgt Ion:152 Resp: 139833
Ion Ratio Lower Upper
152 100
115 58.4 28.2 84.7
150 158.0 0.0 347.6

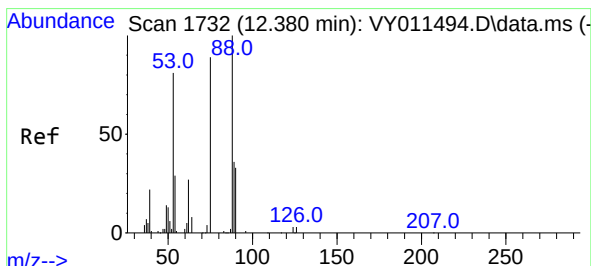
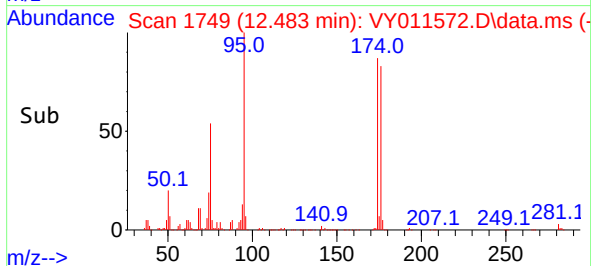
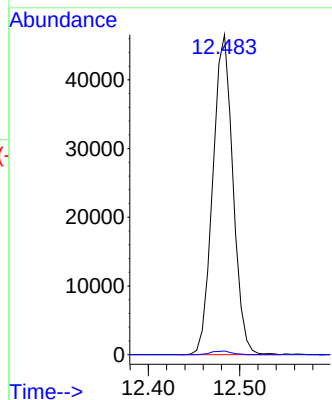
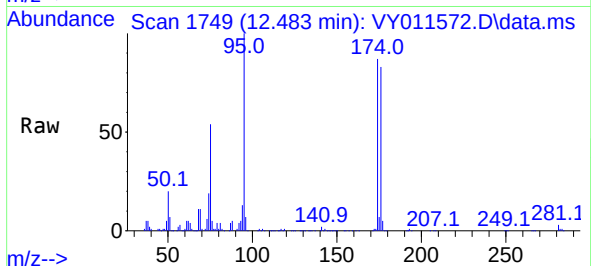




#76
1,2,3-Trichloropropane
Concen: 47.416 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011572.D
Acq: 23 Nov 2022 14:00

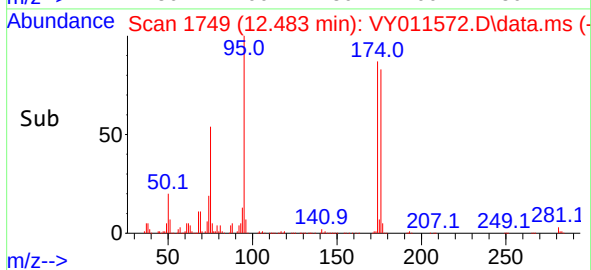
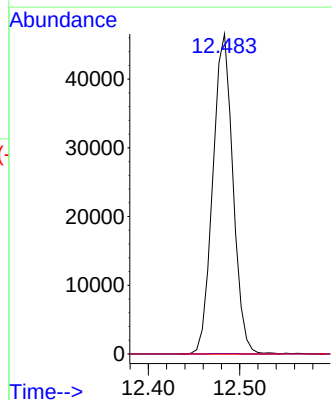
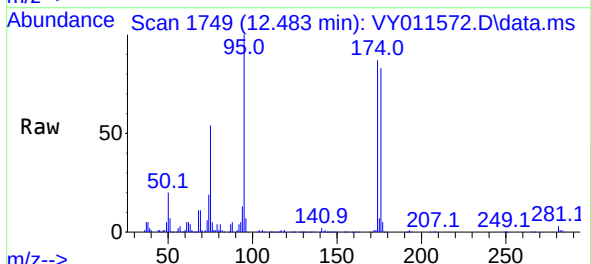
Instrument :
MSVOA_Y
ClientSampleId :

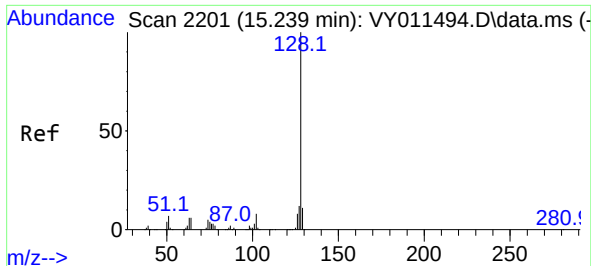
Tgt Ion: 75 Resp: 71404
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.857 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011572.D
Acq: 23 Nov 2022 14:00

Tgt Ion: 75 Resp: 71404
Ion Ratio Lower Upper
75 100
53 0.2 85.3 127.9#
89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 4.109 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.006 min

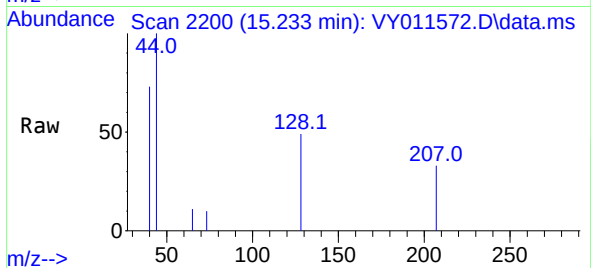
Lab File: VY011572.D

Acq: 23 Nov 2022 14:00

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 481

Ion Ratio Lower Upper

128 100

127 0.0 11.0 16.4#

129 0.0 8.4 12.6#

