

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103122\
 Data File : VY011201.D
 Acq On : 31 Oct 2022 16:49
 Operator : KP/MD
 Sample : N5262-01RE
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOCRE

Quant Time: Nov 01 02:45:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 28 23:42:14 2022
 Response via : Initial Calibration

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

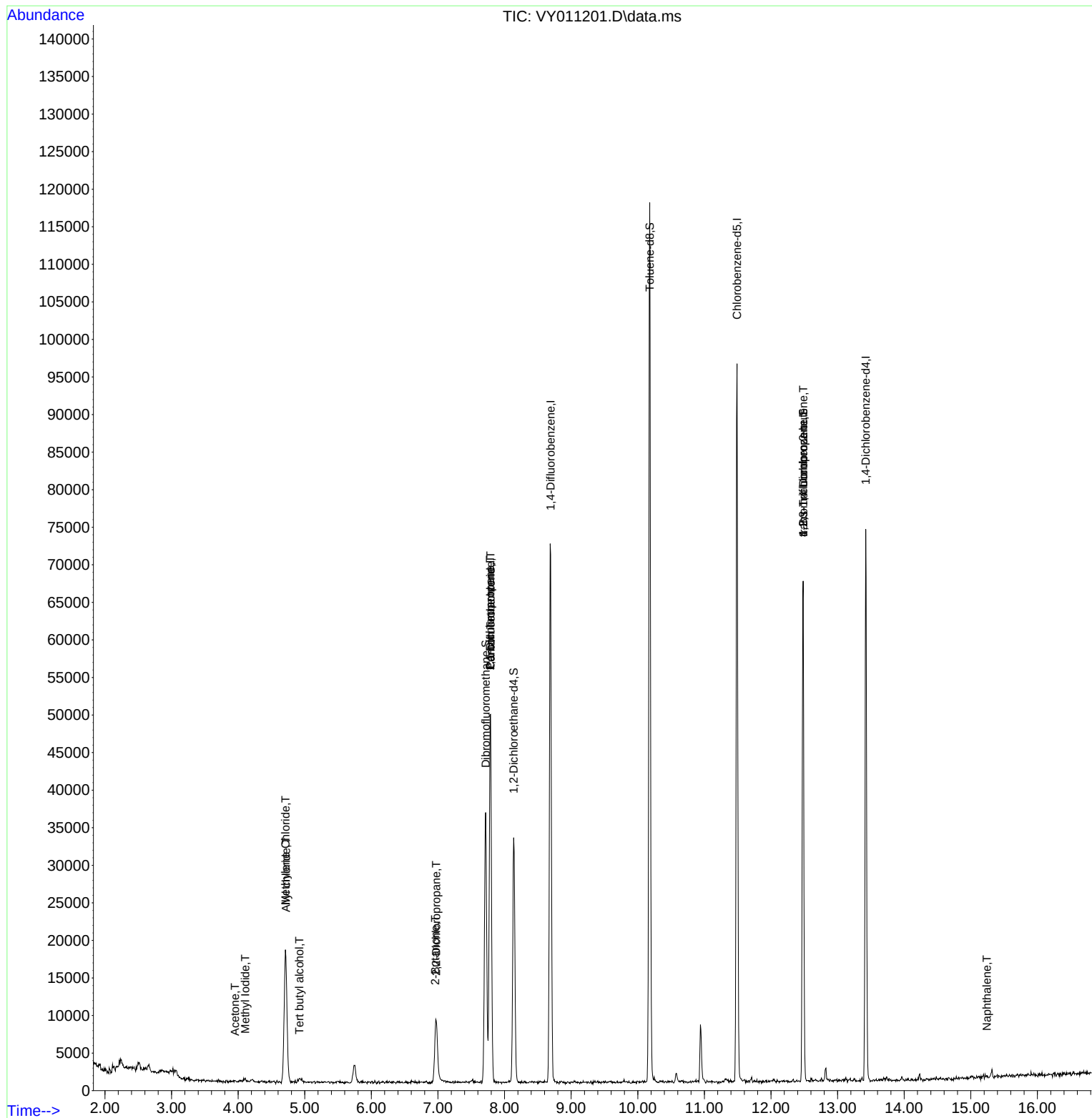
Internal Standards						
1) Pentafluorobenzene	7.789	168	39431	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	63180	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	54242	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	19113	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	25969	63.693	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.380%	
35) Dibromofluoromethane	7.716	113	25859	66.556	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 133.120%	
50) Toluene-d8	10.179	98	79497	51.647	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.300%	
62) 4-Bromofluorobenzene	12.483	95	21844	43.371	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 86.740%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	238	Below Cal	#	44
5) Bromomethane	2.668	94	330	Below Cal		92
10) Methyl Iodide	4.107	142	726	1.883	ug/l #	78
11) Tert butyl alcohol	4.918	59	414	6.323	ug/l #	77
14) Allyl chloride	4.716	41	501	1.019	ug/l #	22
16) Acetone	3.954	43	310	3.107	ug/l #	47
18) Methyl Acetate	4.473	43	40	Below Cal	#	56
20) Methylene Chloride	4.710	84	13335	29.635	ug/l #	79
25) 2-Butanone	6.960	43	226	1.580	ug/l #	54
26) 2,2-Dichloropropane	6.972	77	703	1.126	ug/l #	55
31) Cyclohexane	7.783	56	864	Below Cal	#	24
36) 1,1-Dichloropropene	7.783	75	3065	6.051	ug/l #	47
38) Carbon Tetrachloride	7.789	117	3968	7.192	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	10778	54.239	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	10778	115.186	ug/l #	7
95) Naphthalene	15.239	128	364	4.838	ug/l #	69

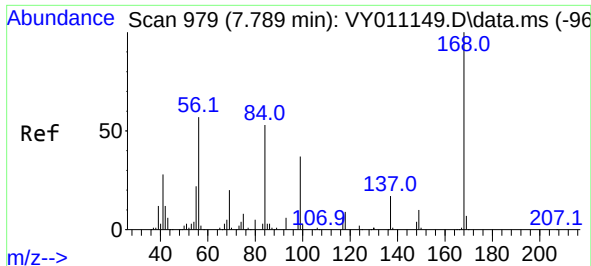
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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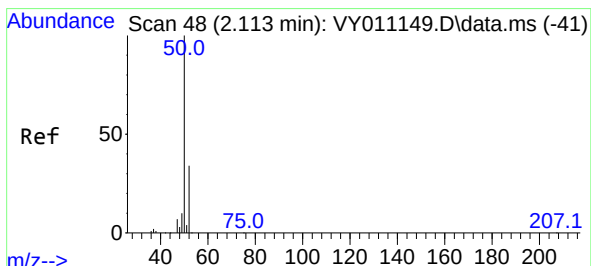
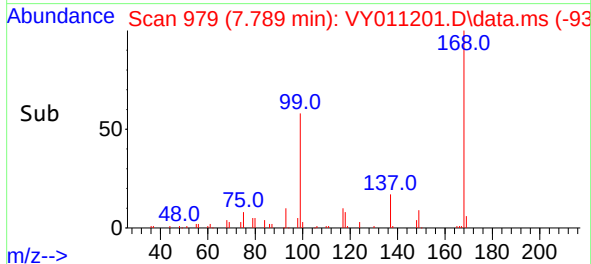
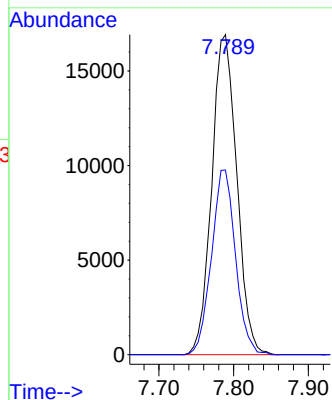
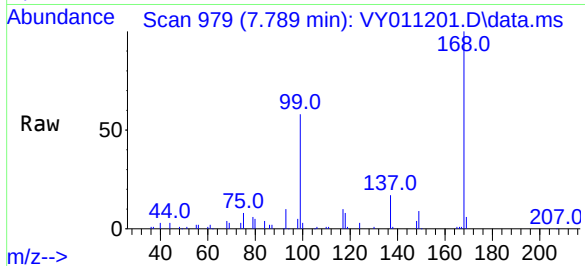




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011201.D
Acq: 31 Oct 2022 16:49

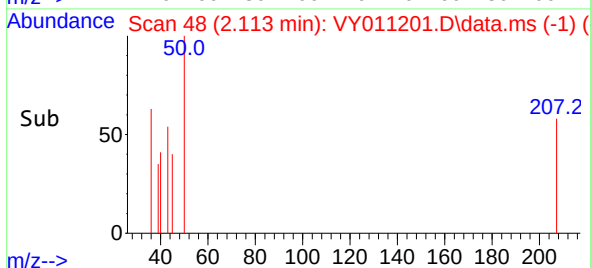
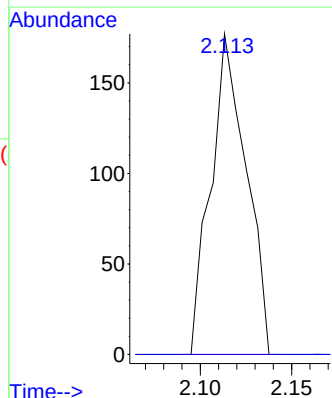
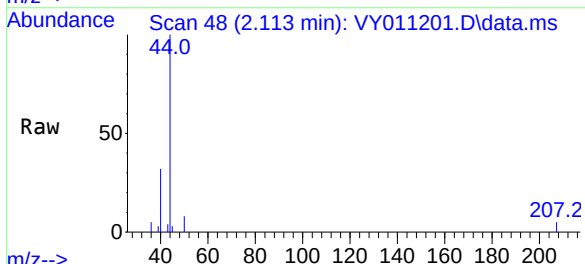
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MSVOA_Y
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VOCRE

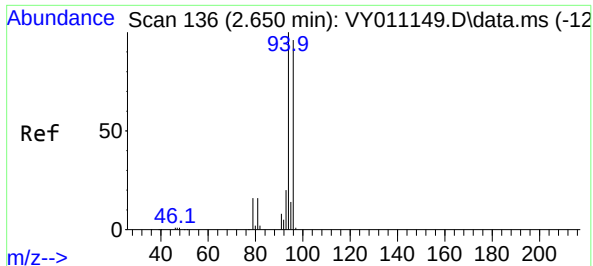
Tgt Ion:168 Resp: 39431
Ion Ratio Lower Upper
168 100
99 57.7 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY011201.D
Acq: 31 Oct 2022 16:49

Tgt Ion: 50 Resp: 238
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

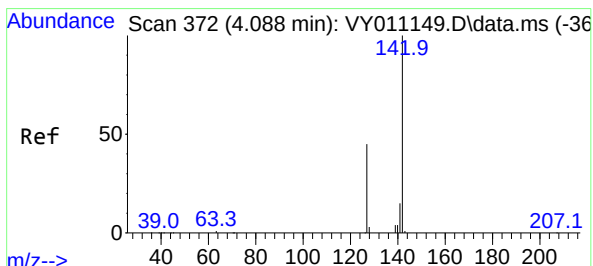
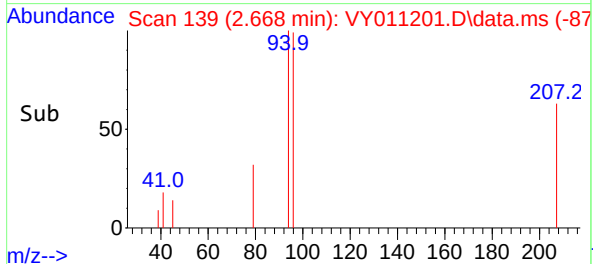
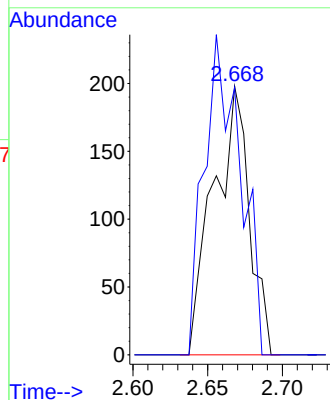
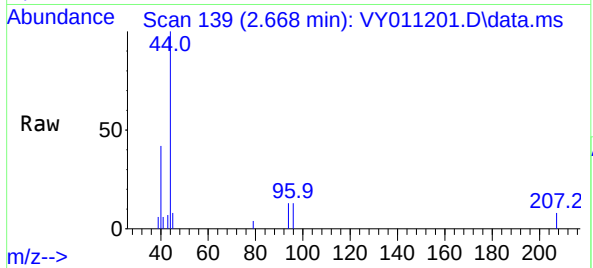




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY011201.D
Acq: 31 Oct 2022 16:49

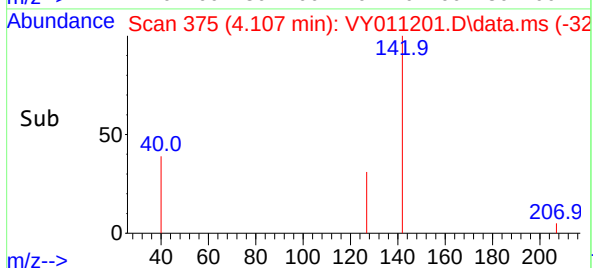
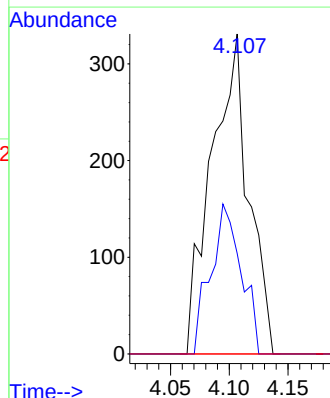
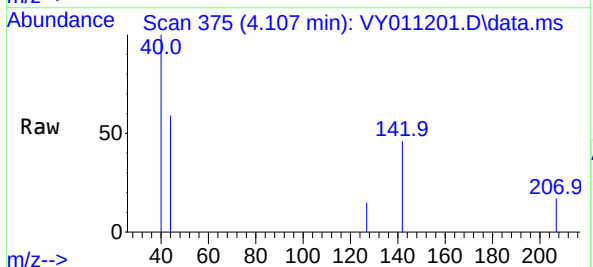
Instrument :
MSVOA_Y
ClientSampleId :
VOCRE

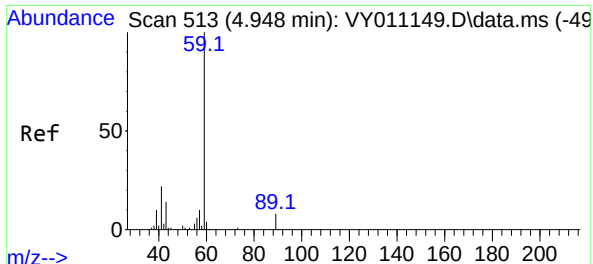
Tgt Ion: 94 Resp: 330
Ion Ratio Lower Upper
94 100
96 99.5 73.5 110.3



#10
Methyl Iodide
Concen: 1.883 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.019 min
Lab File: VY011201.D
Acq: 31 Oct 2022 16:49

Tgt Ion: 142 Resp: 726
Ion Ratio Lower Upper
142 100
127 38.8 41.5 62.3#
141 0.0 11.9 17.9#





#11

Tert butyl alcohol

Concen: 6.323 ug/l

RT: 4.918 min Scan# 508

Delta R.T. -0.030 min

Lab File: VY011201.D

Acq: 31 Oct 2022 16:49

Instrument :

MSVOA_Y

ClientSampleId :

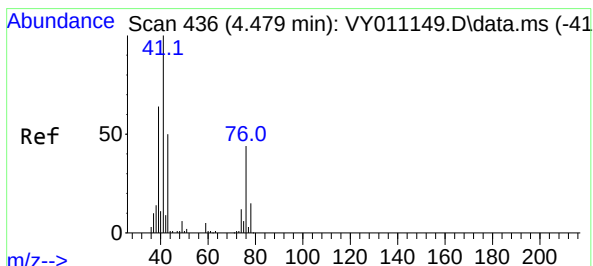
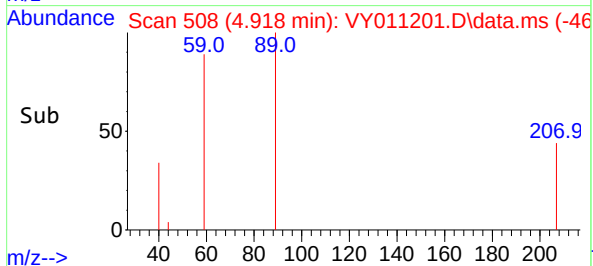
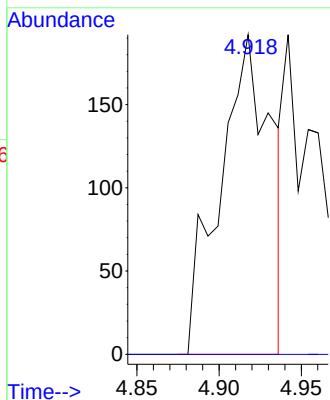
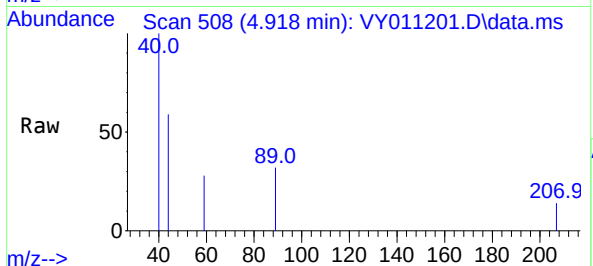
VOCRE

Tgt Ion: 59 Resp: 414

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#14

Allyl chloride

Concen: 1.019 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.237 min

Lab File: VY011201.D

Acq: 31 Oct 2022 16:49

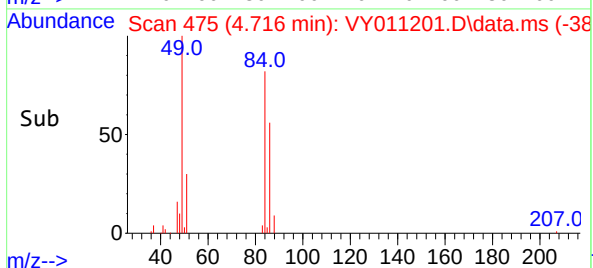
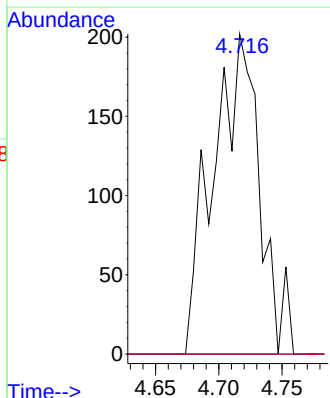
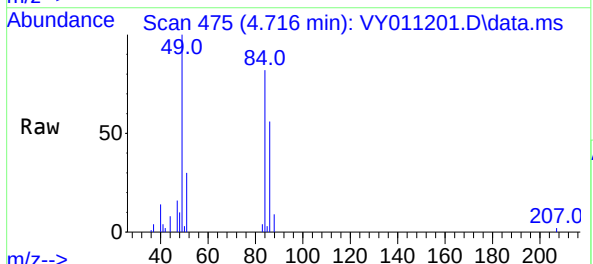
Tgt Ion: 41 Resp: 501

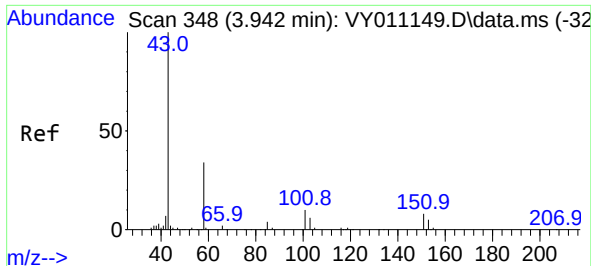
Ion Ratio Lower Upper

41 100

39 0.0 58.8 88.2#

76 0.0 25.1 37.7#

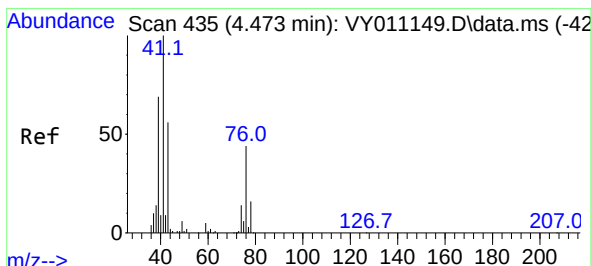
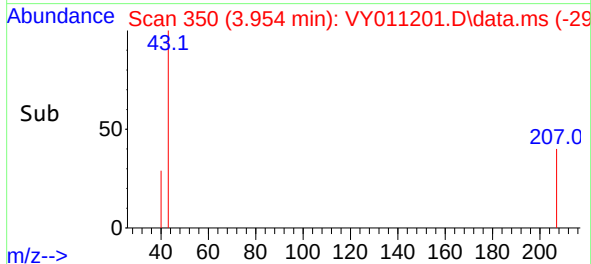
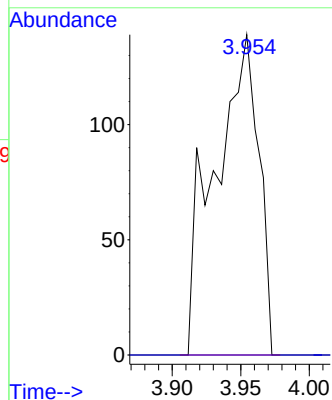
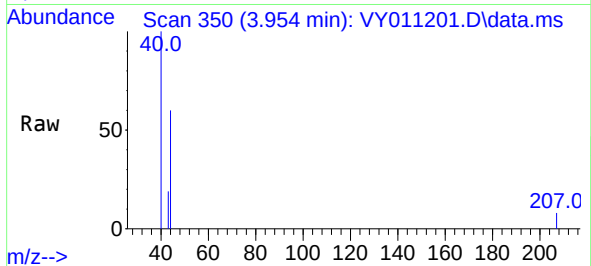




#16
Acetone
Concen: 3.107 ug/l
RT: 3.954 min Scan# 310
Delta R.T. 0.012 min
Lab File: VY011201.D
Acq: 31 Oct 2022 16:49

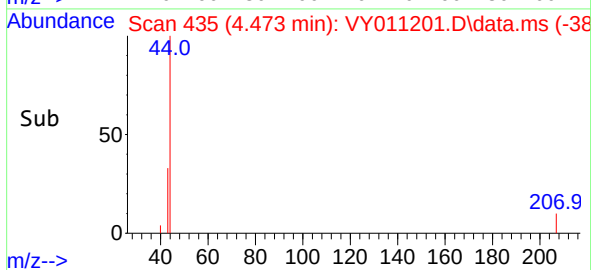
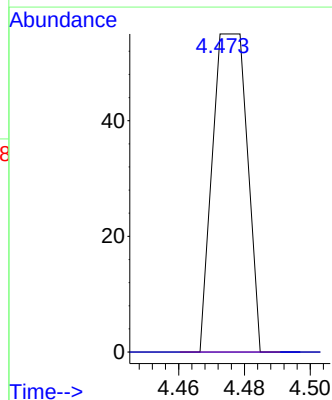
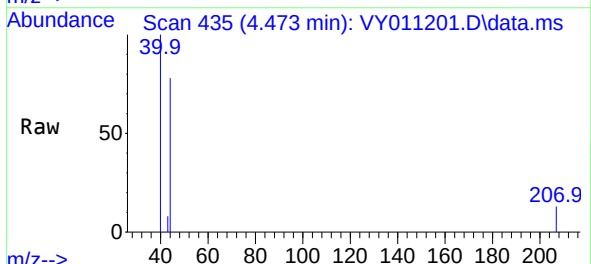
Instrument :
MSVOA_Y
ClientSampleId :
VOCRE

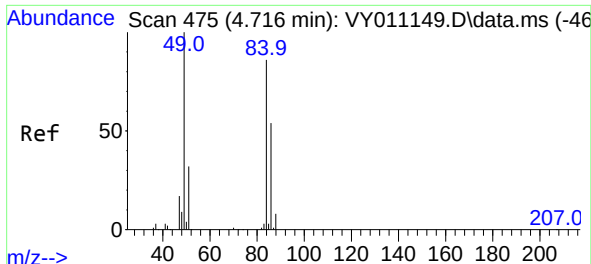
Tgt Ion: 43 Resp: 310
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.473 min Scan# 435
Delta R.T. -0.000 min
Lab File: VY011201.D
Acq: 31 Oct 2022 16:49

Tgt Ion: 43 Resp: 40
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

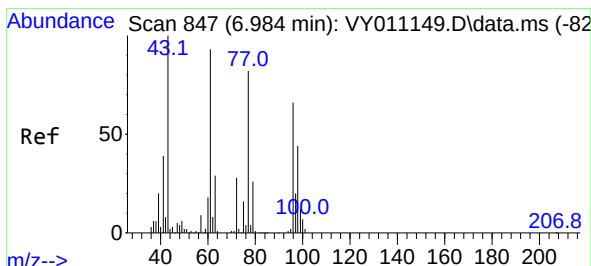
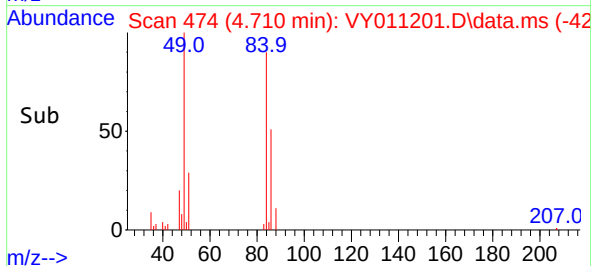
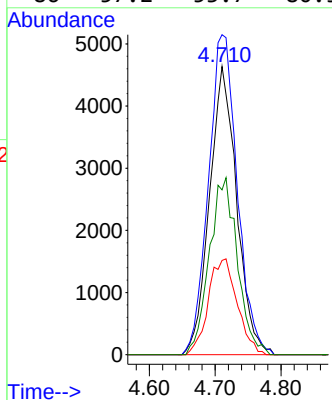
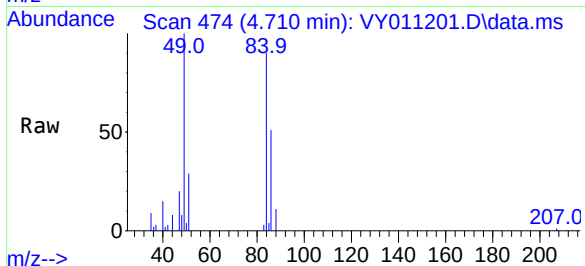




#20
Methylene Chloride
Concen: 29.635 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011201.D
Acq: 31 Oct 2022 16:49

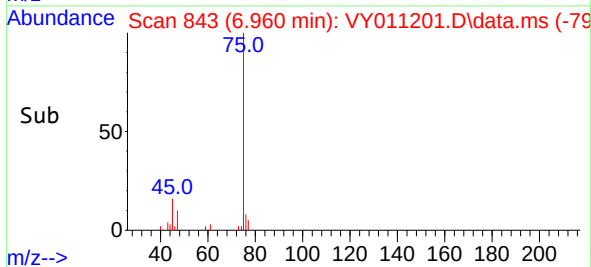
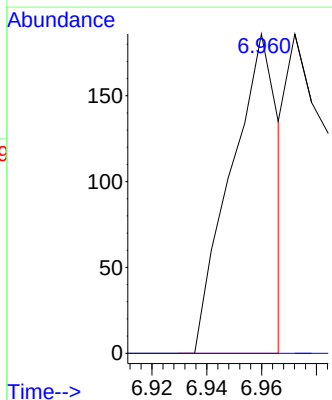
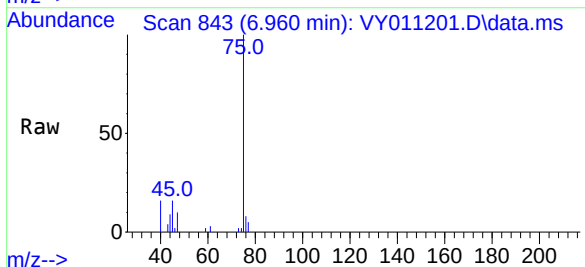
Instrument :
MSVOA_Y
ClientSampleId :
VOCRE

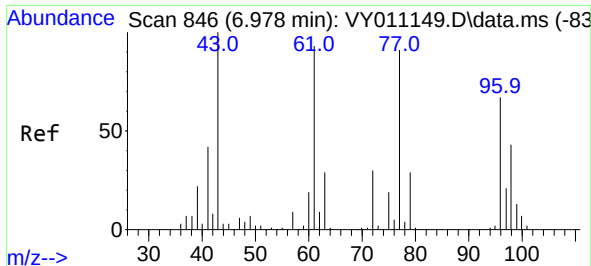
Tgt Ion: 84 Resp: 13335
Ion Ratio Lower Upper
84 100
49 111.0 114.4 171.6#
51 32.7 35.3 52.9#
86 57.2 53.7 80.5



#25
2-Butanone
Concen: 1.580 ug/l
RT: 6.960 min Scan# 843
Delta R.T. -0.024 min
Lab File: VY011201.D
Acq: 31 Oct 2022 16:49

Tgt Ion: 43 Resp: 226
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#





#26

2,2-Dichloropropane

Concen: 1.126 ug/l

RT: 6.972 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY011201.D

Acq: 31 Oct 2022 16:49

Instrument :

MSVOA_Y

ClientSampleId :

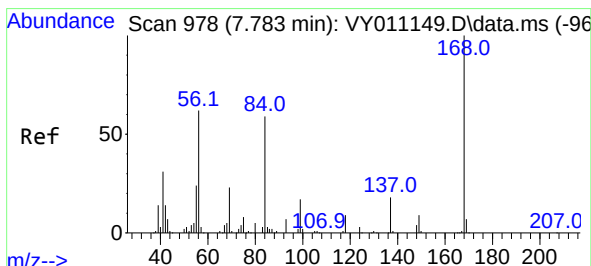
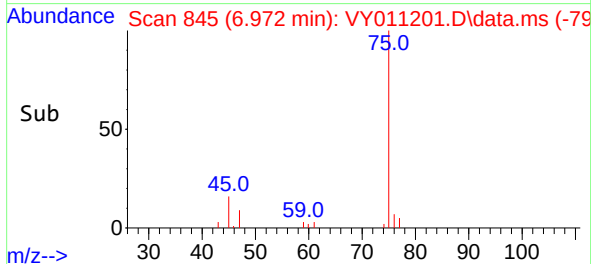
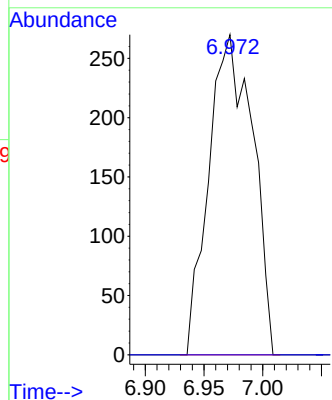
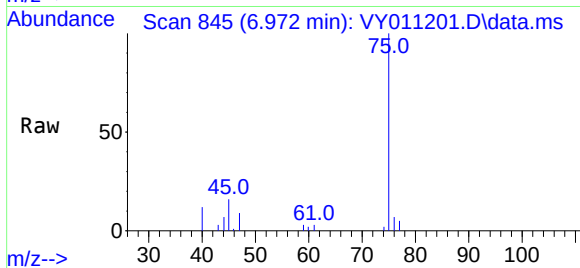
VOCRE

Tgt Ion: 77 Resp: 703

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#



#31

Cyclohexane

Concen: Below Cal

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY011201.D

Acq: 31 Oct 2022 16:49

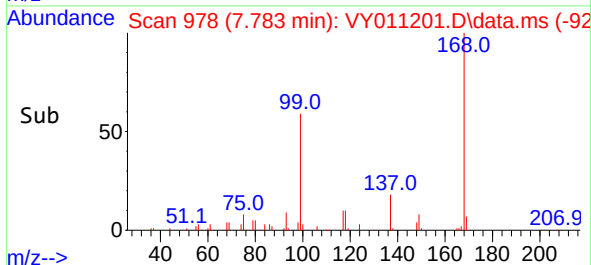
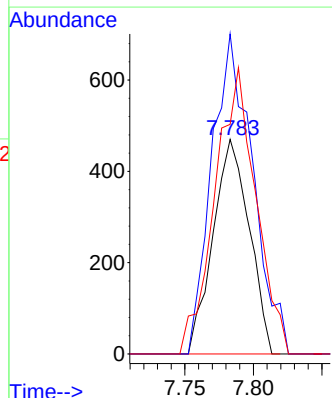
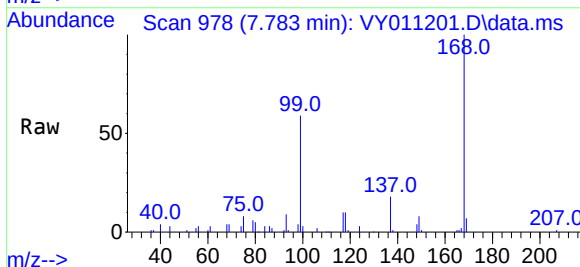
Tgt Ion: 56 Resp: 864

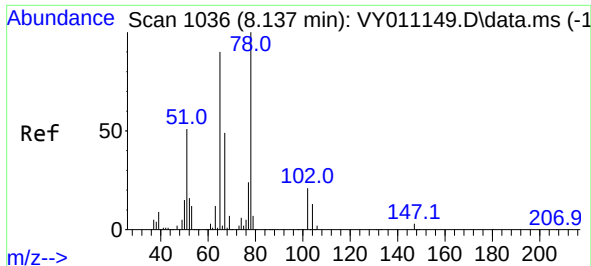
Ion Ratio Lower Upper

56 100

69 149.1 26.7 40.1#

84 107.0 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 63.693 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY011201.D

Acq: 31 Oct 2022 16:49

Instrument :

MSVOA_Y

ClientSampleId :

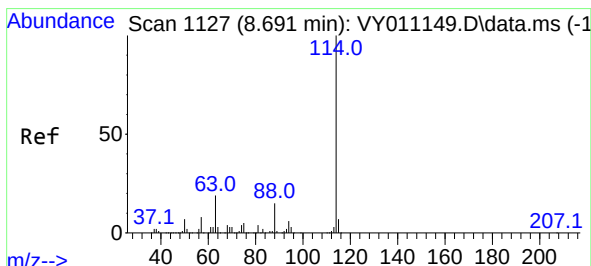
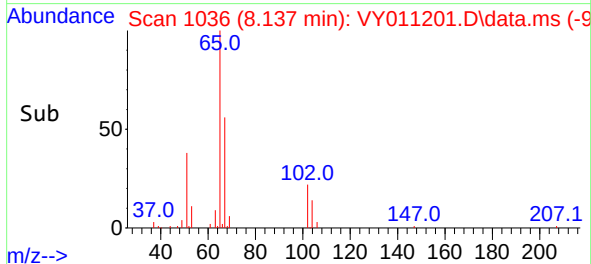
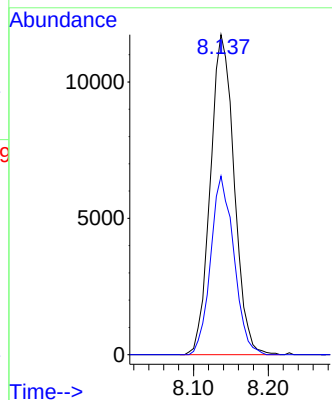
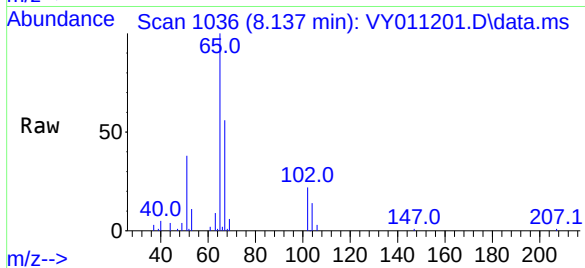
VOCRE

Tgt Ion: 65 Resp: 25969

Ion Ratio Lower Upper

65 100

67 54.5 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: VY011201.D

Acq: 31 Oct 2022 16:49

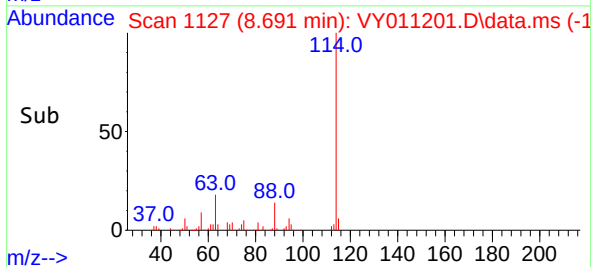
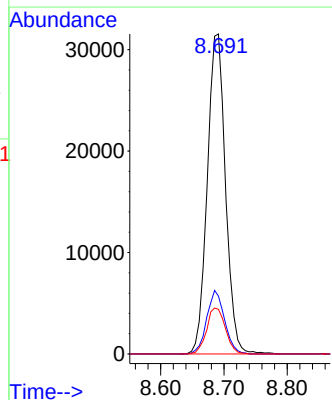
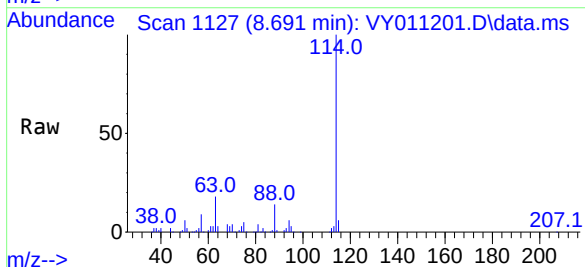
Tgt Ion: 114 Resp: 63180

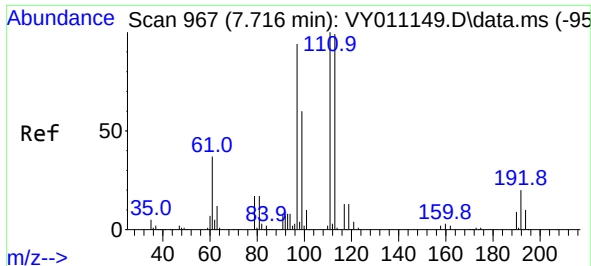
Ion Ratio Lower Upper

114 100

63 18.1 0.0 43.2

88 13.9 0.0 31.8

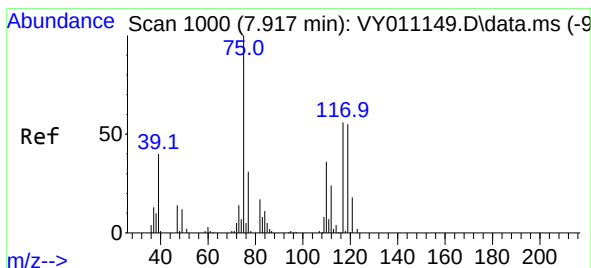
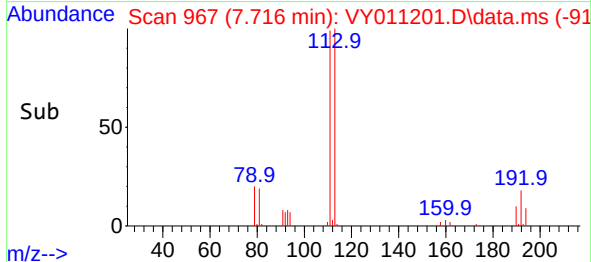
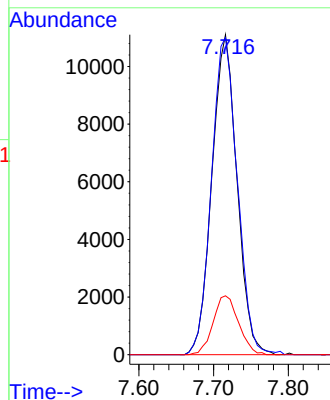
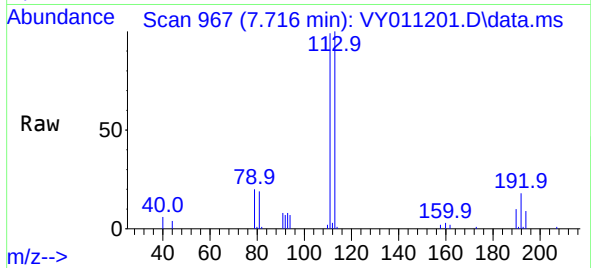




#35
Dibromofluoromethane
Concen: 66.556 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011201.D
Acq: 31 Oct 2022 16:49

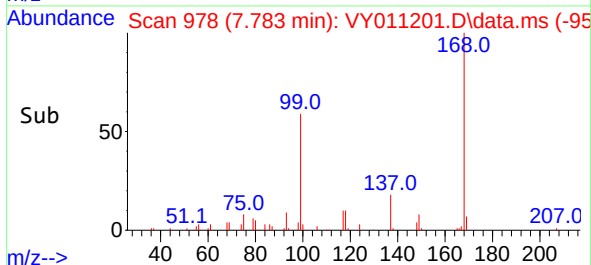
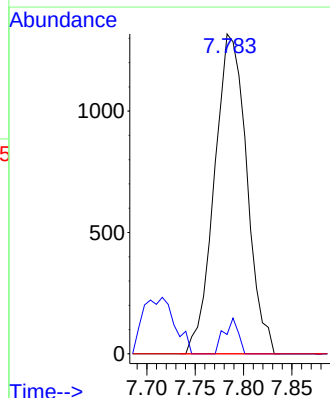
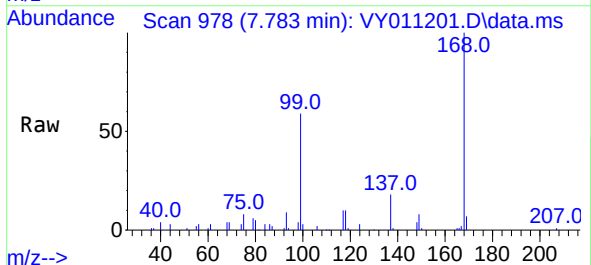
Instrument :
MSVOA_Y
ClientSampleId :
VOCRE

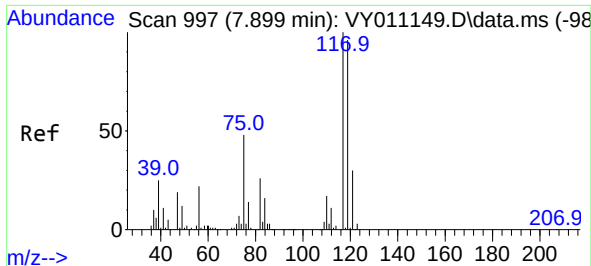
Tgt Ion:113 Resp: 25859
Ion Ratio Lower Upper
113 100
111 102.3 82.6 124.0
192 18.7 17.6 26.4



#36
1,1-Dichloropropene
Concen: 6.051 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY011201.D
Acq: 31 Oct 2022 16:49

Tgt Ion: 75 Resp: 3065
Ion Ratio Lower Upper
75 100
110 4.8 17.1 51.2#
77 0.0 24.4 36.6#

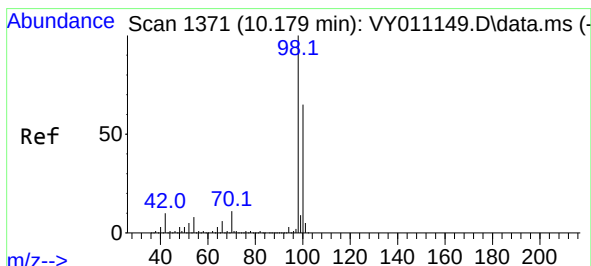
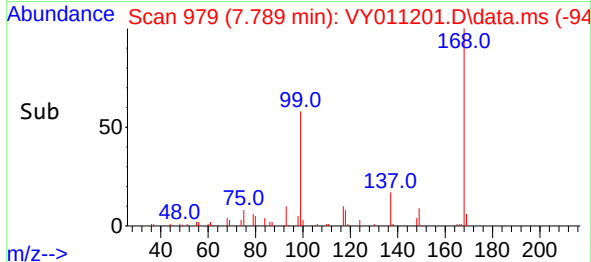
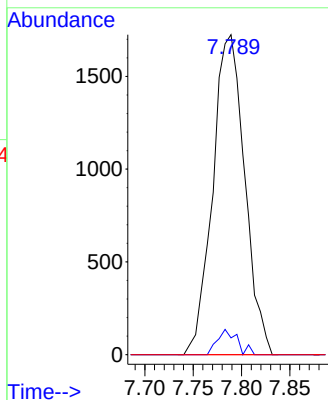
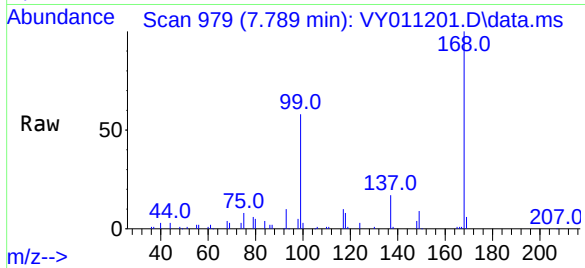




#38
Carbon Tetrachloride
Concen: 7.192 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY011201.D
Acq: 31 Oct 2022 16:49

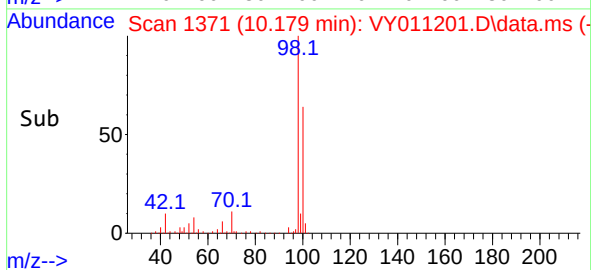
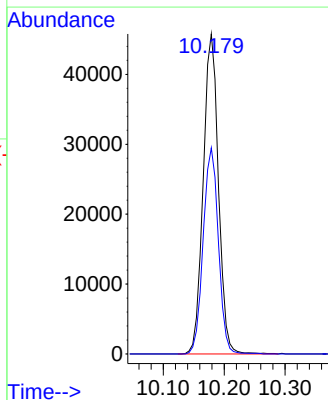
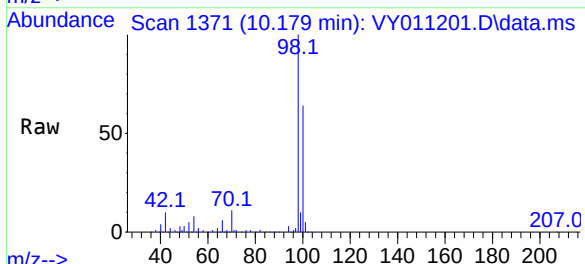
Instrument :
MSVOA_Y
ClientSampleId :
VOCRE

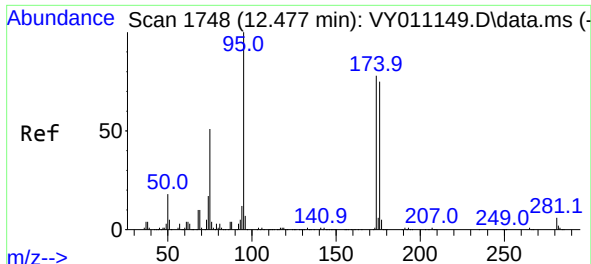
Tgt Ion:117 Resp: 3968
Ion Ratio Lower Upper
117 100
119 5.2 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 51.647 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011201.D
Acq: 31 Oct 2022 16:49

Tgt Ion: 98 Resp: 79497
Ion Ratio Lower Upper
98 100
100 64.3 50.2 75.2

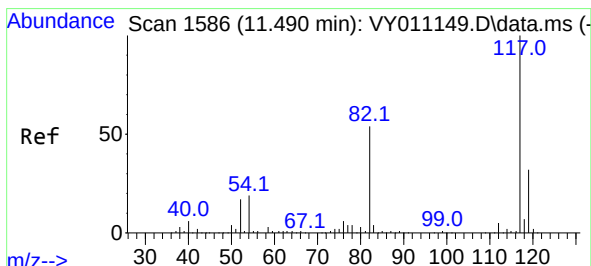
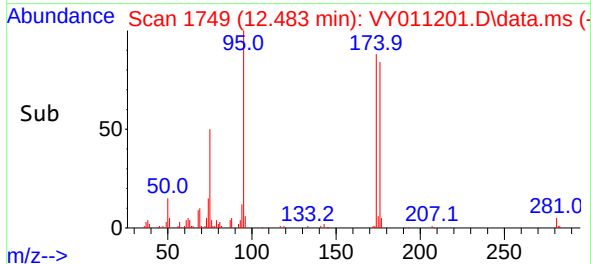
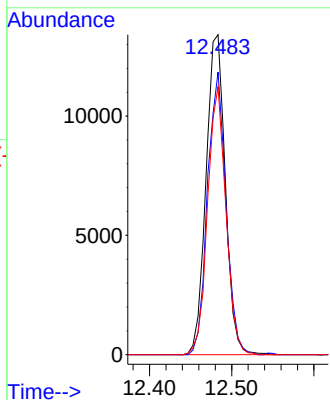
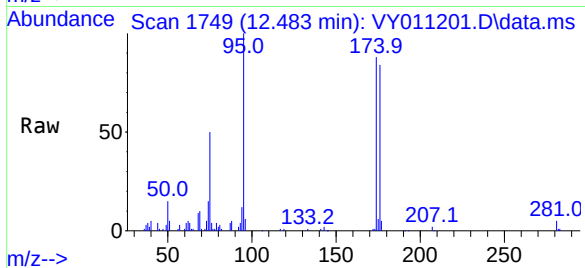




#62
4-Bromofluorobenzene
Concen: 43.371 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY011201.D
Acq: 31 Oct 2022 16:49

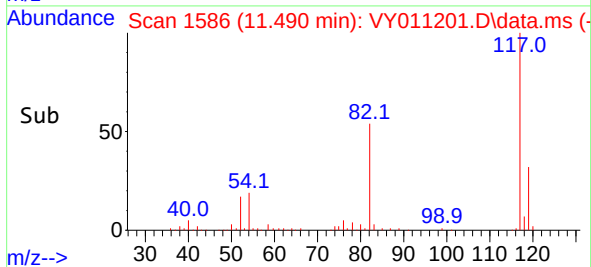
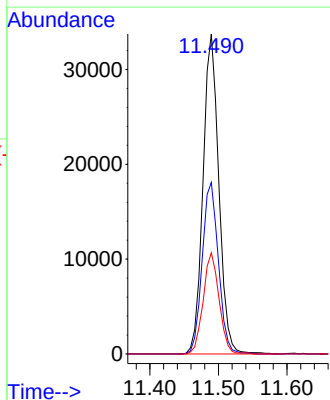
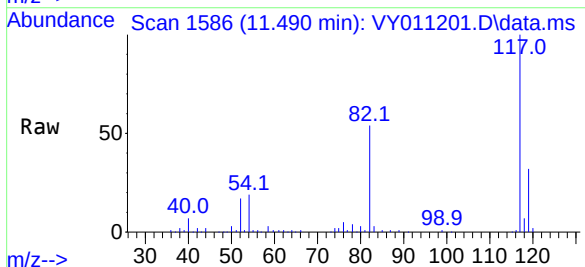
Instrument :
MSVOA_Y
ClientSampleId :
VOCRE

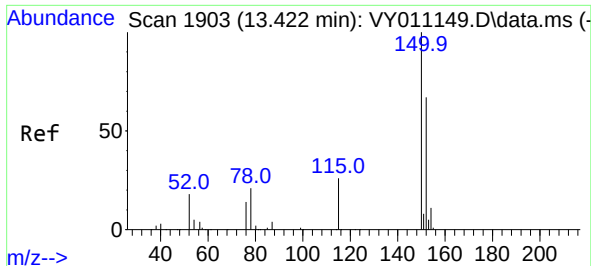
Tgt Ion: 95 Resp: 21844
Ion Ratio Lower Upper
95 100
174 84.4 0.0 177.0
176 79.3 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011201.D
Acq: 31 Oct 2022 16:49

Tgt Ion: 117 Resp: 54242
Ion Ratio Lower Upper
117 100
82 53.6 43.0 64.4
119 31.6 25.4 38.0

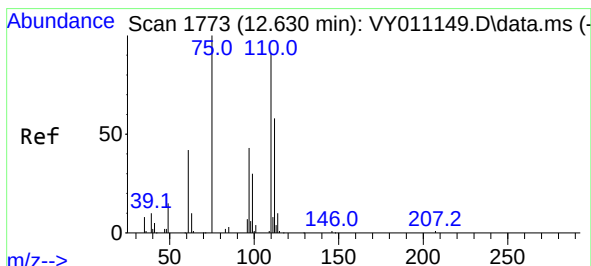
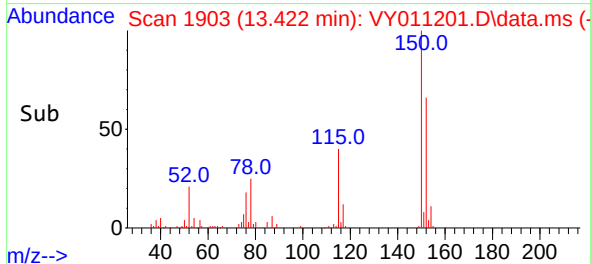
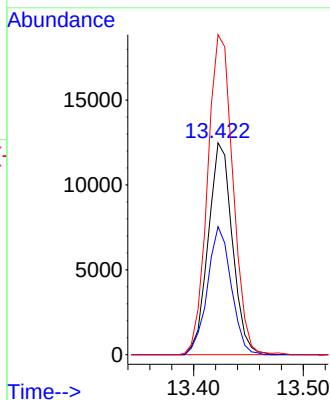
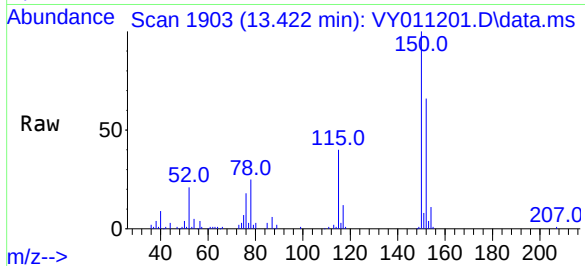




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY011201.D
Acq: 31 Oct 2022 16:49

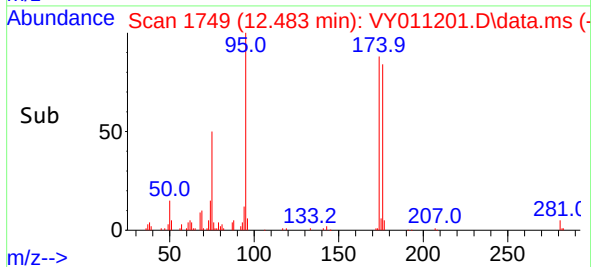
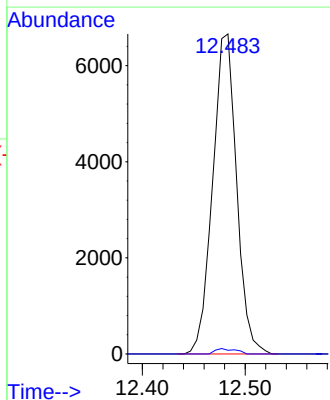
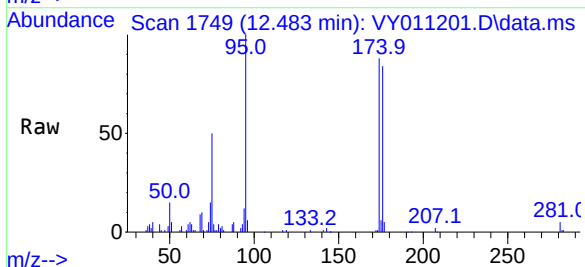
Instrument :
MSVOA_Y
ClientSampleId :
VOCRE

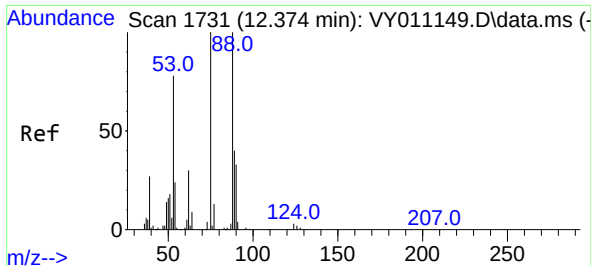
Tgt Ion:152 Resp: 19113
Ion Ratio Lower Upper
152 100
115 59.4 28.2 84.7
150 158.9 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 54.239 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY011201.D
Acq: 31 Oct 2022 16:49

Tgt Ion: 75 Resp: 10778
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

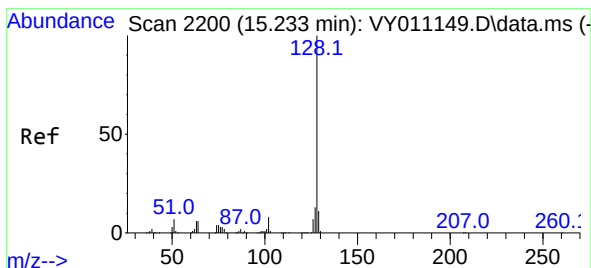
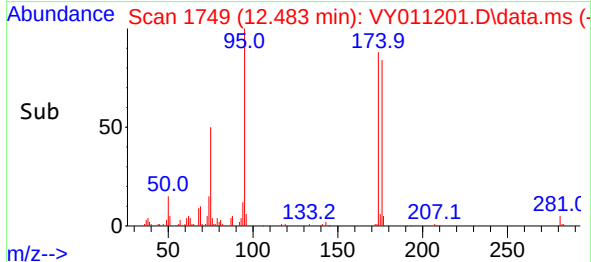
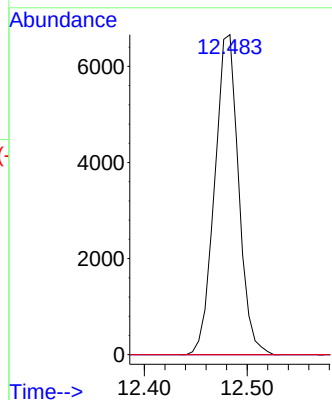
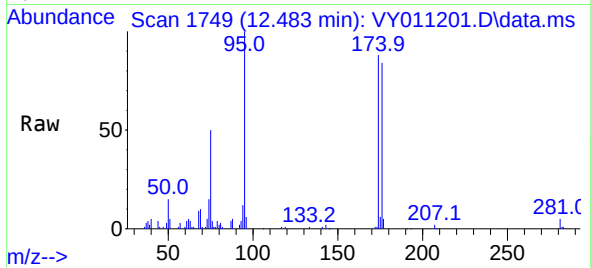




#81
trans-1,4-Dichloro-2-butene
Concen: 115.186 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.109 min
Lab File: VY011201.D
Acq: 31 Oct 2022 16:49

Instrument :
MSVOA_Y
ClientSampleId :
VOCRE

Tgt Ion: 75 Resp: 10778
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 4.838 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY011201.D
Acq: 31 Oct 2022 16:49

Tgt Ion: 128 Resp: 364
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#

