

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032922\
 Data File : VY008088.D
 Acq On : 29 Mar 2022 15:39
 Operator : SY/MD
 Sample : N2155-09
 Misc : 5.69g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 30 04:00:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032522S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 26 03:24:51 2022
 Response via : Initial Calibration

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

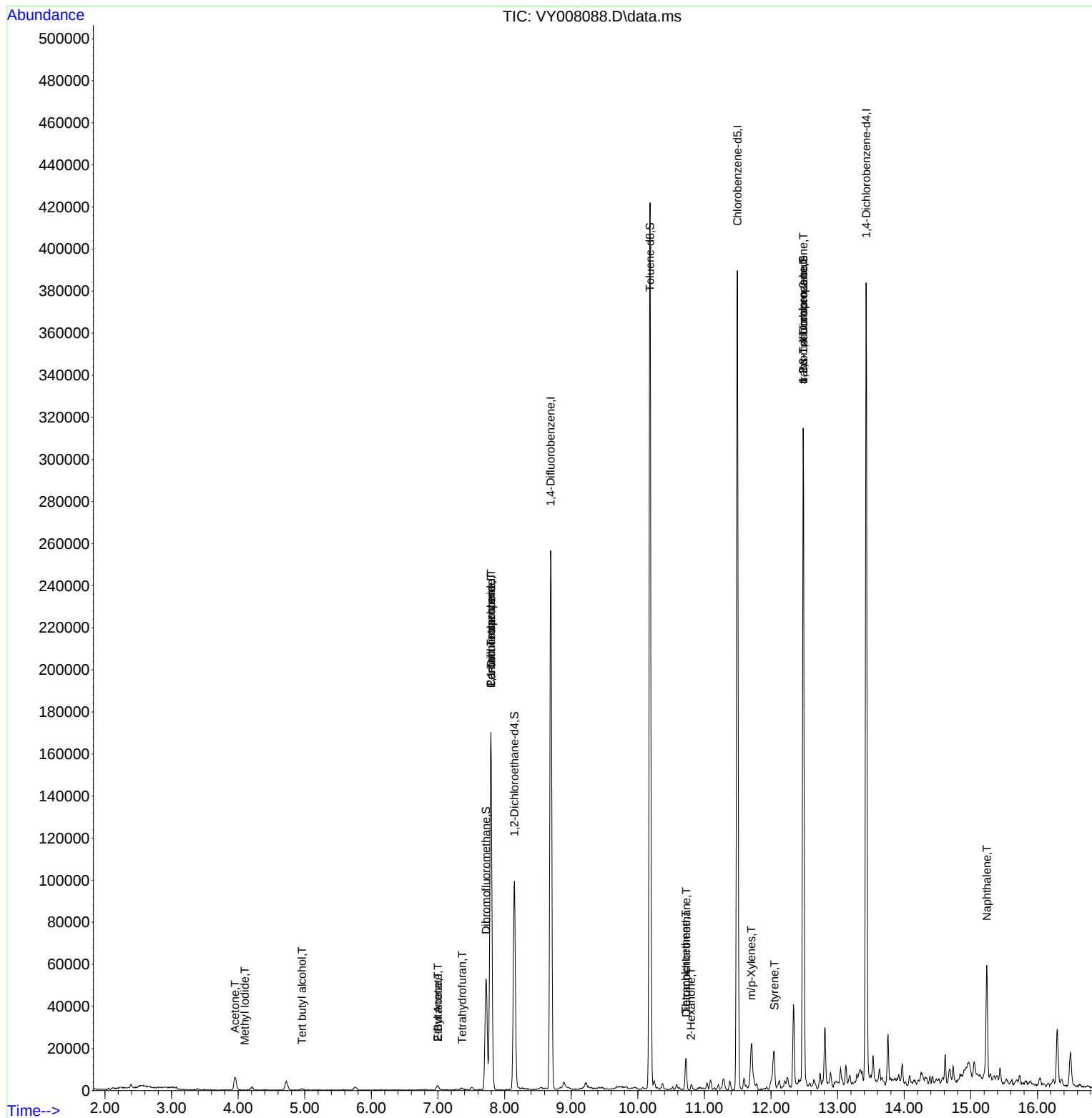
Internal Standards						
1) Pentafluorobenzene	7.795	168	131039	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	236312	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	223707	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	98340	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	76053	57.848	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.700%			
35) Dibromofluoromethane	7.722	113	38822	26.203	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 52.400%#			
50) Toluene-d8	10.185	98	287208	51.453	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.900%			
62) 4-Bromofluorobenzene	12.483	95	99060	50.301	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.600%			
Target Compounds						Qvalue
10) Methyl Iodide	4.101	142	72	1.737	ug/l #	35
11) Tert butyl alcohol	4.960	59	1333	9.772	ug/l #	86
16) Acetone	3.954	43	10718	35.667	ug/l	92
18) Methyl Acetate	4.271	43	19	Below Cal	#	56
20) Methylene Chloride	4.716	84	3293	Below Cal	#	75
25) 2-Butanone	6.996	43	2890	6.320	ug/l	98
29) Tetrahydrofuran	7.362	42	437	1.470	ug/l #	82
36) 1,1-Dichloropropene	7.795	75	10063	4.324	ug/l #	52
37) Ethyl Acetate	6.996	43	2890	2.658	ug/l #	72
38) Carbon Tetrachloride	7.795	117	13641	5.378	ug/l #	15
59) 2-Hexanone	10.801	43	1781	2.364	ug/l #	28
60) Dibromochloromethane	10.727	129	2858	1.650	ug/l #	11
64) Tetrachloroethene	10.721	164	3160	1.839	ug/l	92
68) m/p-Xylenes	11.703	106	4828	1.373	ug/l	94
70) Styrene	12.050	104	6897	1.252	ug/l #	92
76) 1,2,3-Trichloropropane	12.483	75	49737	41.490	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	49737	92.571	ug/l #	7
95) Naphthalene	15.239	128	45395	10.549	ug/l	98

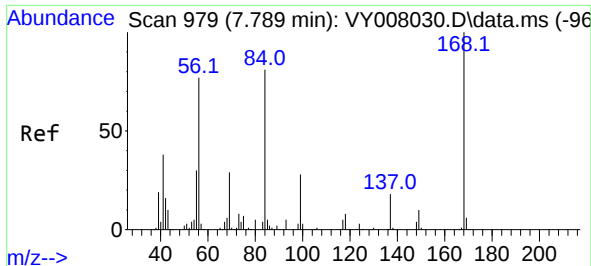
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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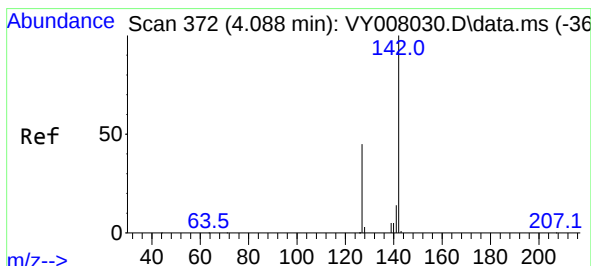
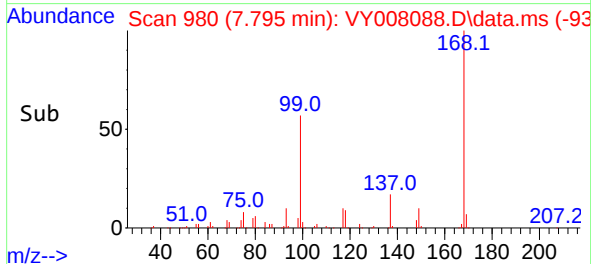
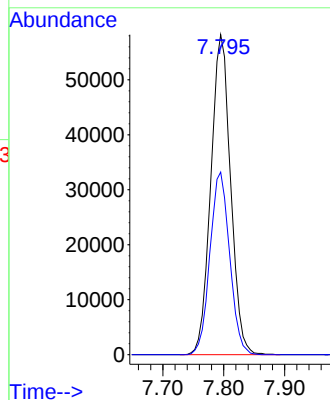
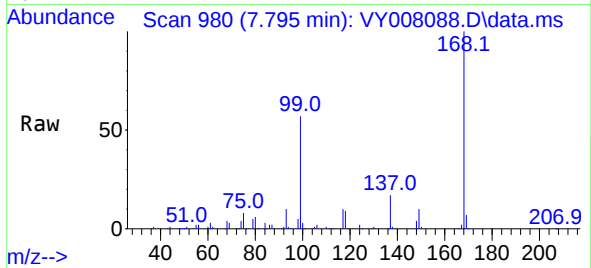




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008088.D
Acq: 29 Mar 2022 15:39

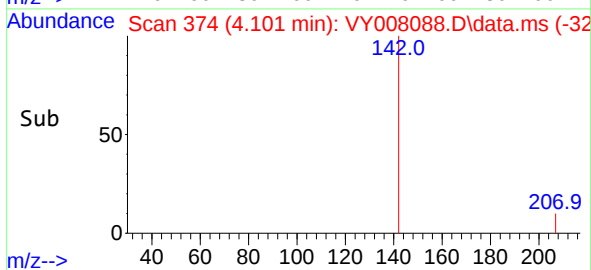
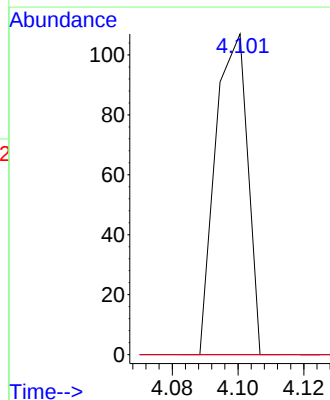
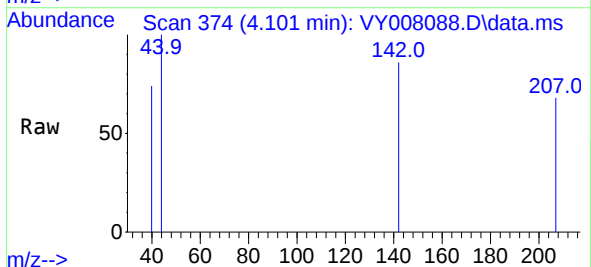
Instrument :
MSVOA_Y
ClientSampleId :

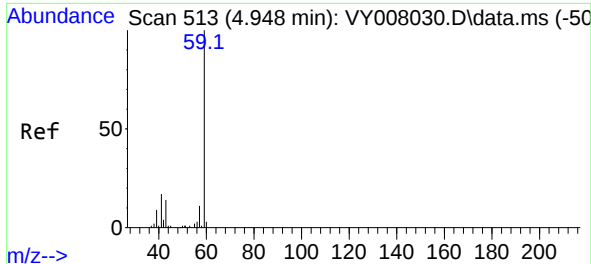
Tgt Ion:168 Resp: 131039
Ion Ratio Lower Upper
168 100
99 57.0 46.9 70.3



#10
Methyl Iodide
Concen: 1.737 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.013 min
Lab File: VY008088.D
Acq: 29 Mar 2022 15:39

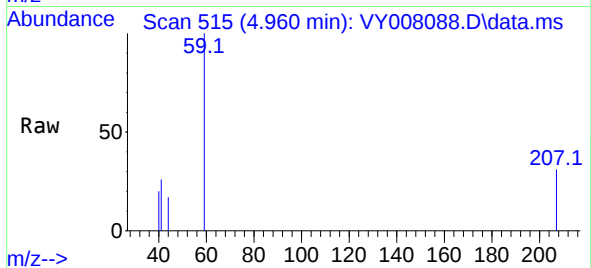
Tgt Ion:142 Resp: 72
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#



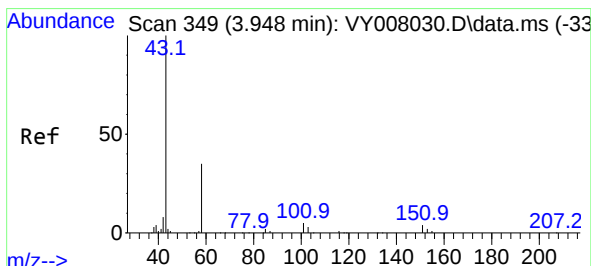
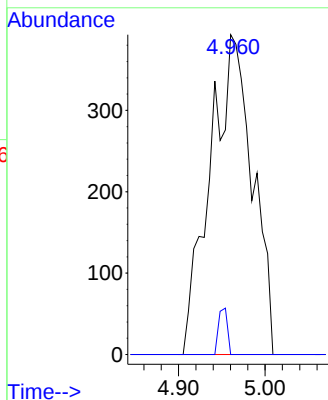
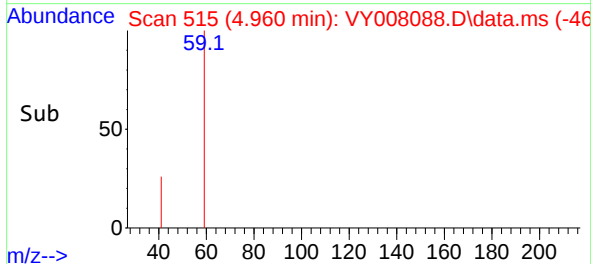


#11
Tert butyl alcohol
Concen: 9.772 ug/l
RT: 4.960 min Scan# 513
Delta R.T. 0.012 min
Lab File: VY008088.D
Acq: 29 Mar 2022 15:39

Instrument :
MSVOA_Y
ClientSampleId :

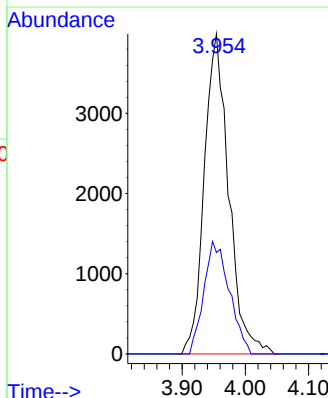
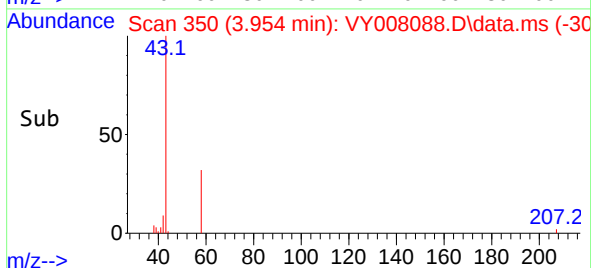
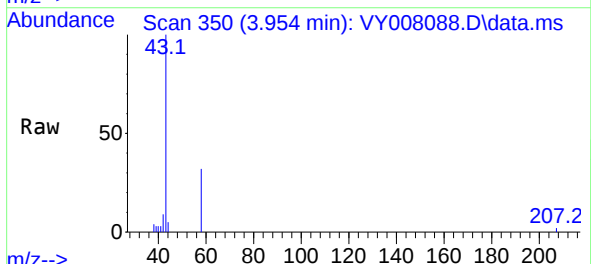


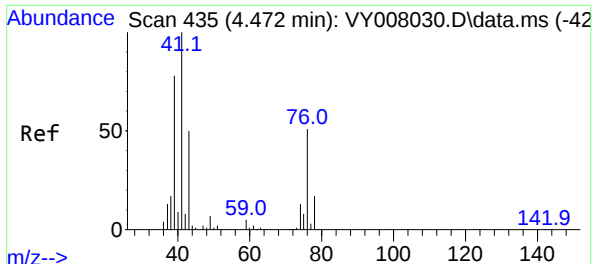
Tgt Ion: 59 Resp: 1333
Ion Ratio Lower Upper
59 100
57 3.0 6.4 9.6#



#16
Acetone
Concen: 35.667 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY008088.D
Acq: 29 Mar 2022 15:39

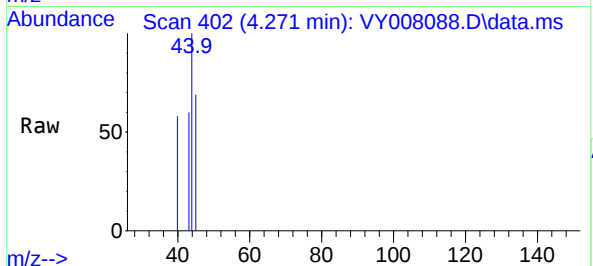
Tgt Ion: 43 Resp: 10718
Ion Ratio Lower Upper
43 100
58 31.7 22.0 33.0



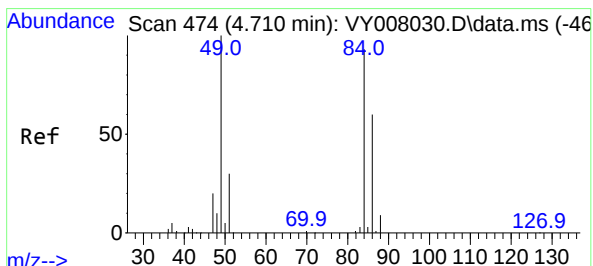
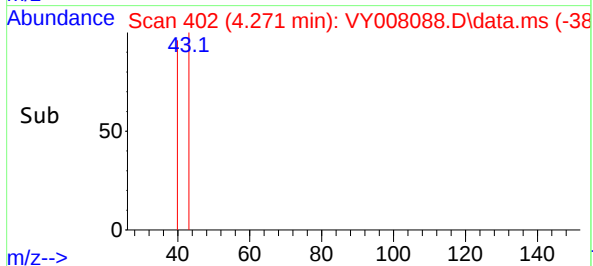
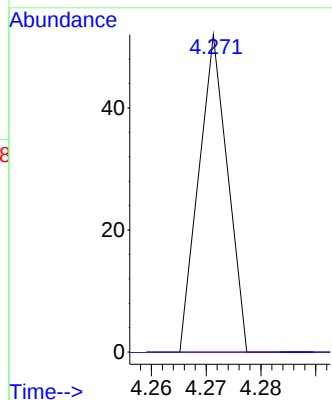


#18
Methyl Acetate
Concen: Below Cal
RT: 4.271 min Scan# 402
Delta R.T. -0.201 min
Lab File: VY008088.D
Acq: 29 Mar 2022 15:39

Instrument :
MSVOA_Y
ClientSampleId :

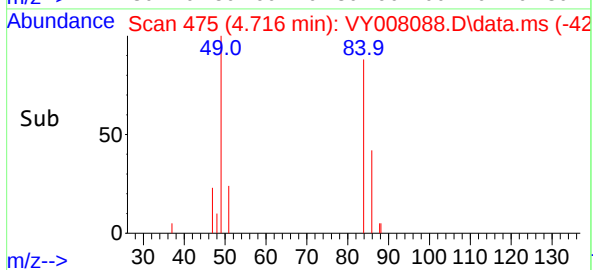
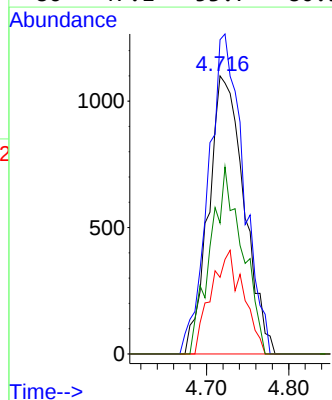
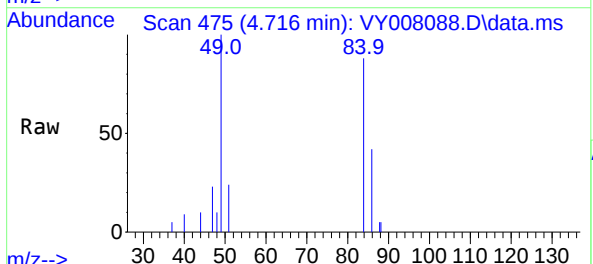


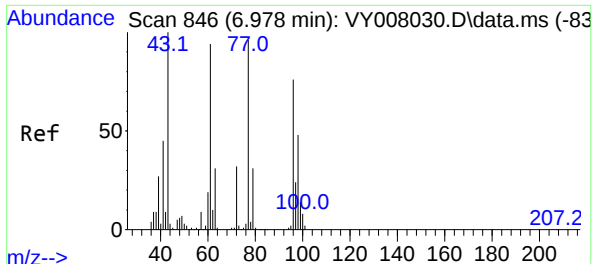
Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY008088.D
Acq: 29 Mar 2022 15:39

Tgt Ion: 84 Resp: 3293
Ion Ratio Lower Upper
84 100
49 113.0 114.4 171.6#
51 27.5 35.3 52.9#
86 47.1 53.7 80.5#





#25

2-Butanone

Concen: 6.320 ug/l

RT: 6.996 min Scan# 846

Delta R.T. 0.018 min

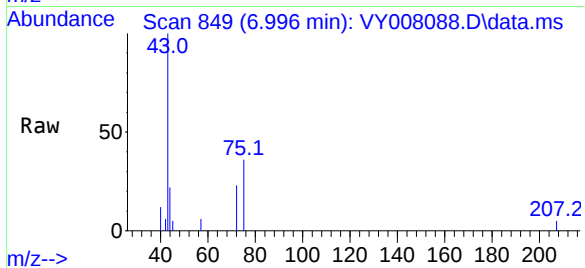
Lab File: VY008088.D

Acq: 29 Mar 2022 15:39

Instrument :

MSVOA_Y

ClientSampleId :

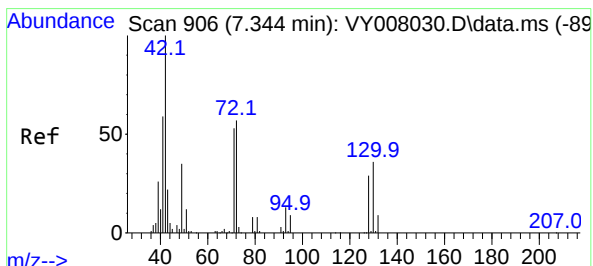
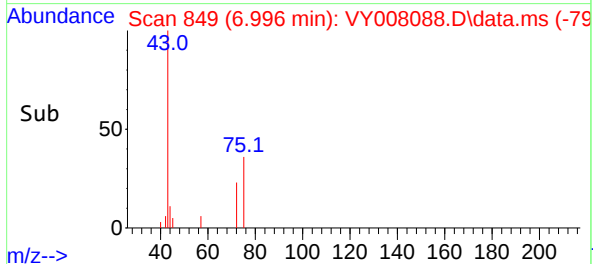
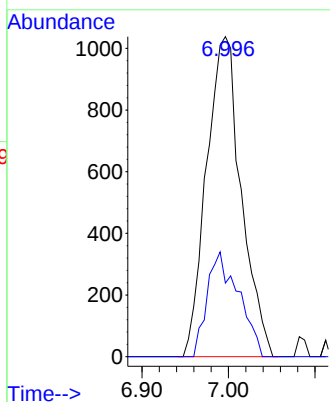


Tgt Ion: 43 Resp: 2890

Ion Ratio Lower Upper

43 100

72 23.0 17.7 26.5



#29

Tetrahydrofuran

Concen: 1.470 ug/l

RT: 7.362 min Scan# 909

Delta R.T. 0.018 min

Lab File: VY008088.D

Acq: 29 Mar 2022 15:39

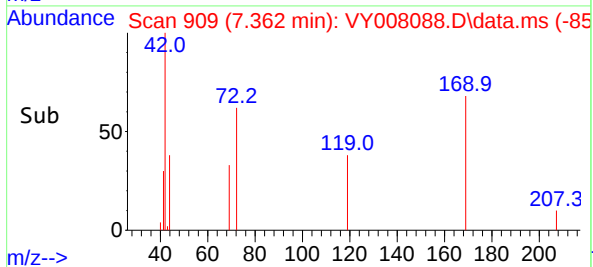
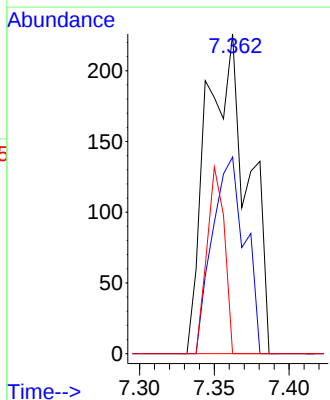
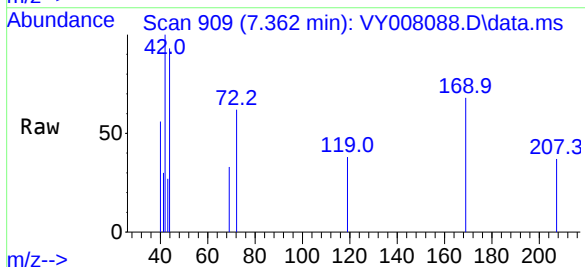
Tgt Ion: 42 Resp: 437

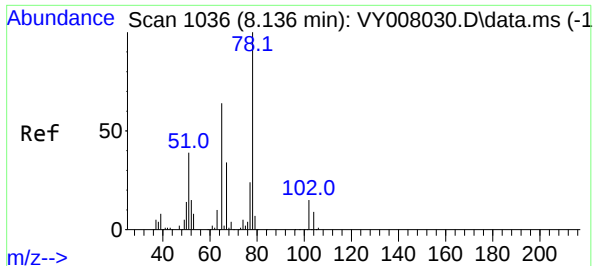
Ion Ratio Lower Upper

42 100

72 48.1 30.3 45.5#

71 24.5 29.0 43.4#





#33

1,2-Dichloroethane-d4

Concen: 57.848 ug/l

RT: 8.149 min Scan# 110

Delta R.T. 0.013 min

Lab File: VY008088.D

Acq: 29 Mar 2022 15:39

Instrument :

MSVOA_Y

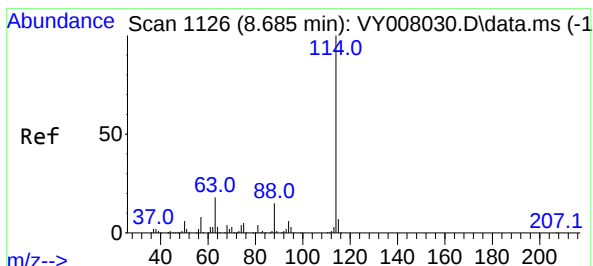
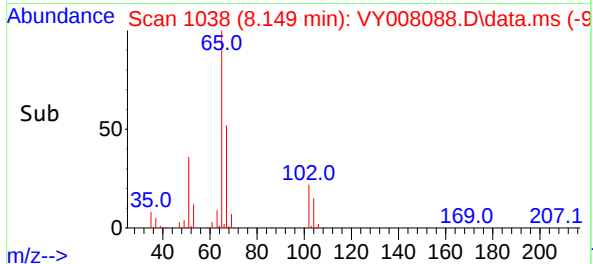
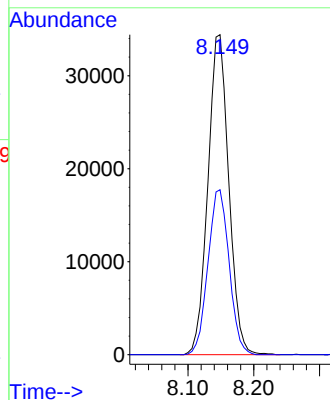
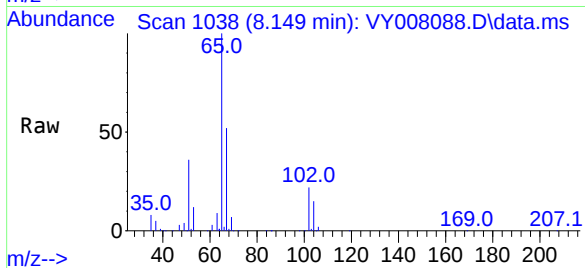
ClientSampleId :

Tgt Ion: 65 Resp: 76053

Ion Ratio Lower Upper

65 100

67 52.2 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY008088.D

Acq: 29 Mar 2022 15:39

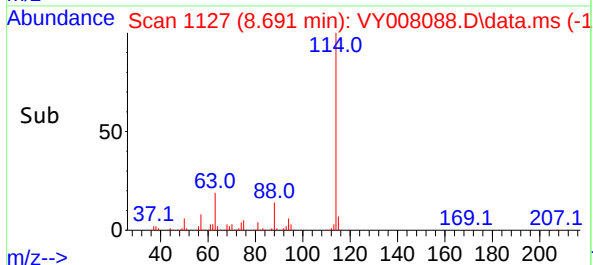
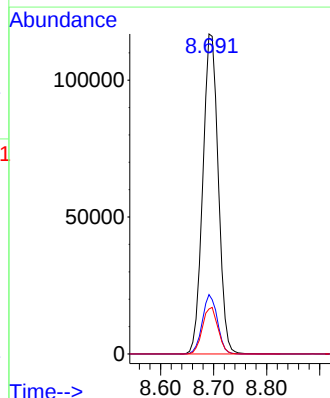
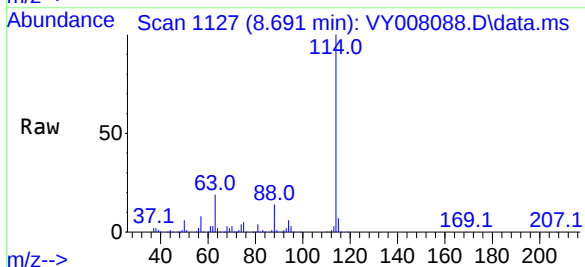
Tgt Ion: 114 Resp: 236312

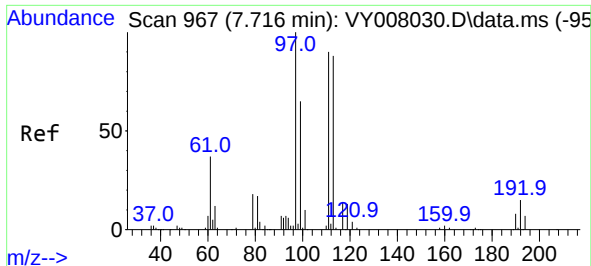
Ion Ratio Lower Upper

114 100

63 18.6 0.0 43.2

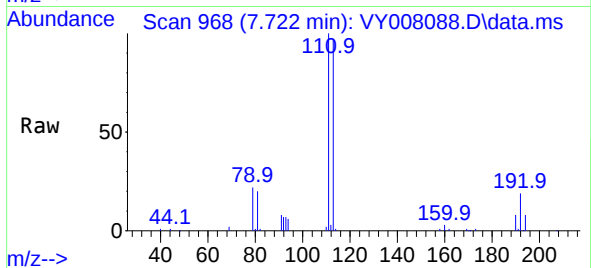
88 14.1 0.0 31.8



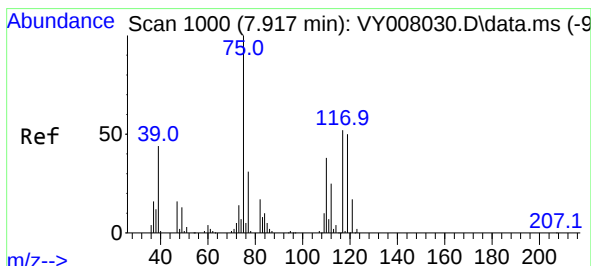
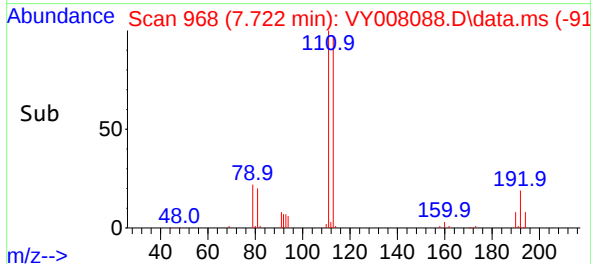
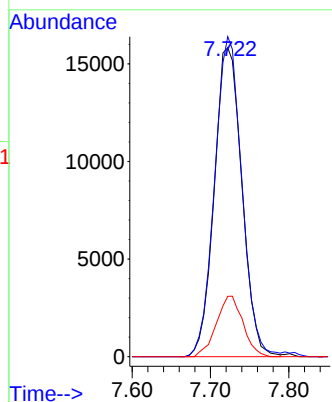


#35
Dibromofluoromethane
Concen: 26.203 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008088.D
Acq: 29 Mar 2022 15:39

Instrument :
MSVOA_Y
ClientSampleId :

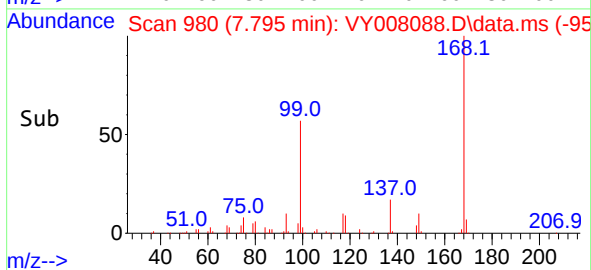
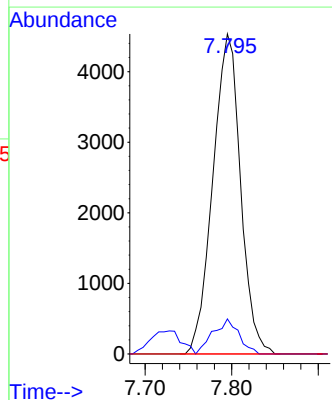
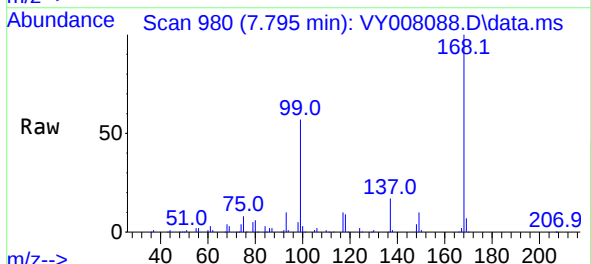


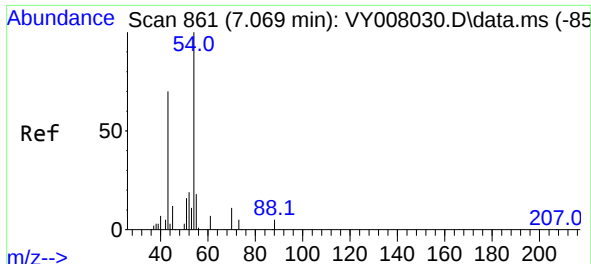
Tgt Ion:113 Resp: 38822
Ion Ratio Lower Upper
113 100
111 101.9 82.6 124.0
192 18.9 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.324 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.122 min
Lab File: VY008088.D
Acq: 29 Mar 2022 15:39

Tgt Ion: 75 Resp: 10063
Ion Ratio Lower Upper
75 100
110 10.2 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 2.658 ug/l

RT: 6.996 min Scan# 84

Delta R.T. -0.073 min

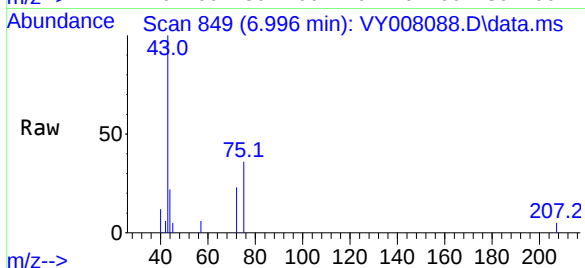
Lab File: VY008088.D

Acq: 29 Mar 2022 15:39

Instrument :

MSVOA_Y

ClientSampleId :



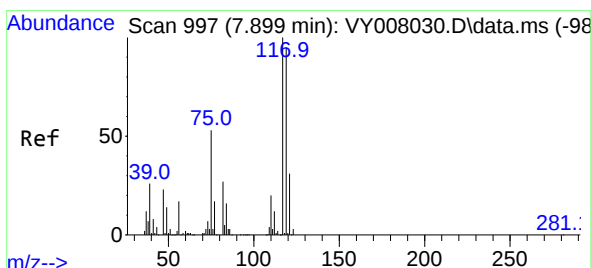
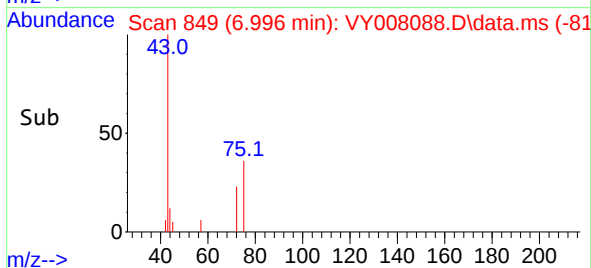
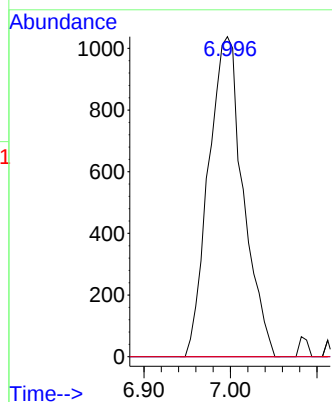
Tgt Ion: 43 Resp: 2890

Ion Ratio Lower Upper

43 100

61 0.0 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.378 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.104 min

Lab File: VY008088.D

Acq: 29 Mar 2022 15:39

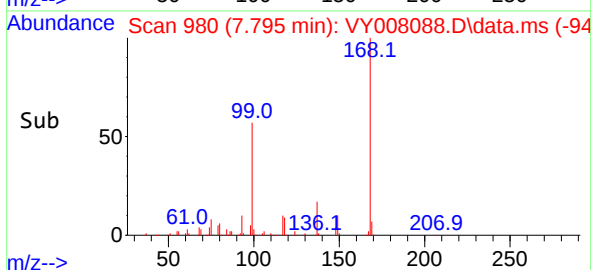
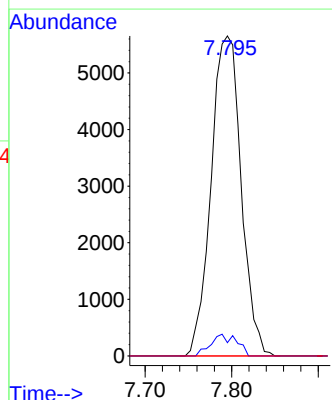
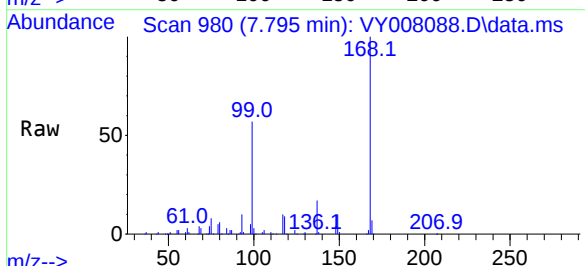
Tgt Ion: 117 Resp: 13641

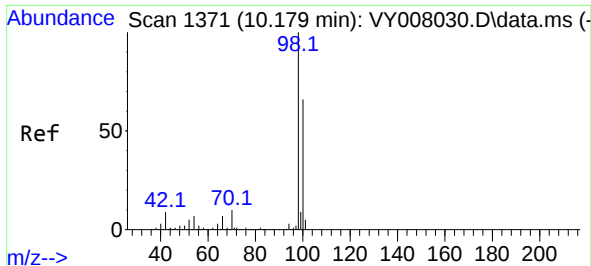
Ion Ratio Lower Upper

117 100

119 4.2 77.9 116.9#

121 0.0 24.8 37.2#

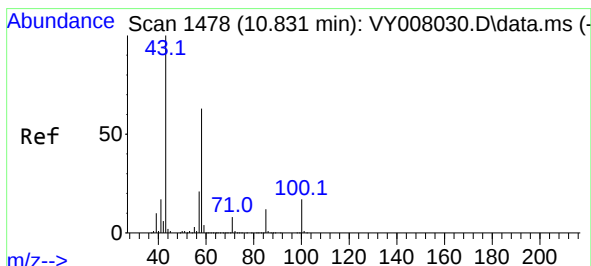
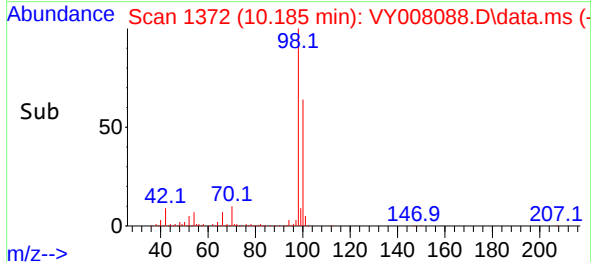
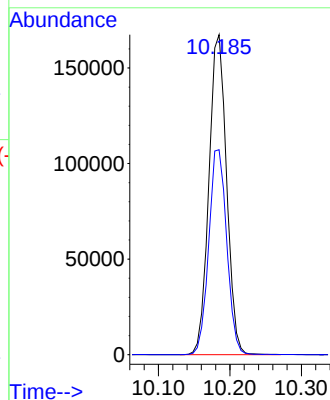
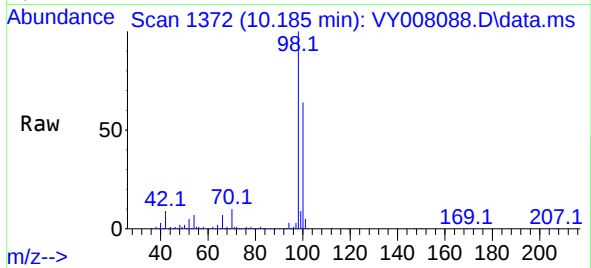




#50
Toluene-d8
Concen: 51.453 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY008088.D
Acq: 29 Mar 2022 15:39

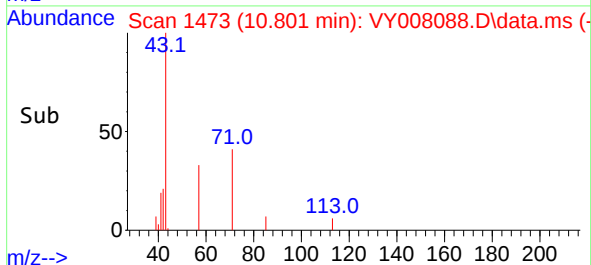
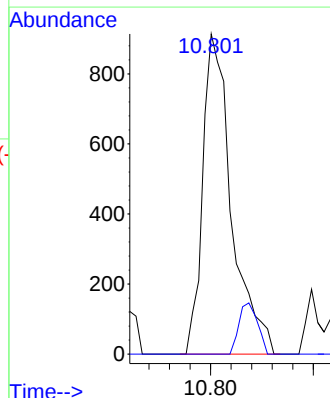
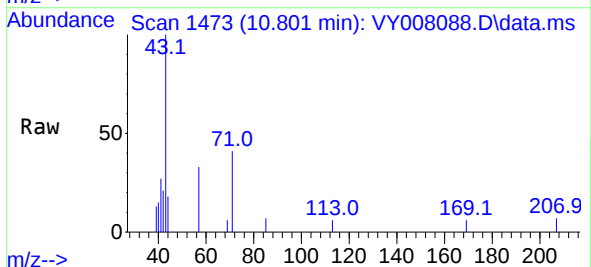
Instrument :
MSVOA_Y
ClientSampleId :

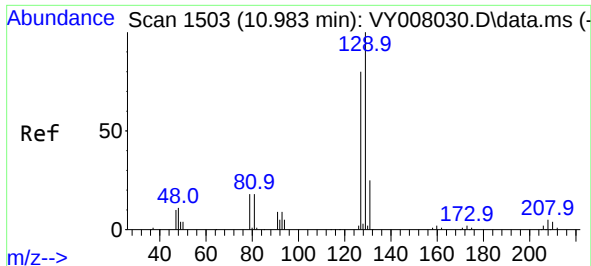
Tgt Ion: 98 Resp: 287208
Ion Ratio Lower Upper
98 100
100 65.4 50.2 75.2



#59
2-Hexanone
Concen: 2.364 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.030 min
Lab File: VY008088.D
Acq: 29 Mar 2022 15:39

Tgt Ion: 43 Resp: 1781
Ion Ratio Lower Upper
43 100
58 0.0 24.4 73.4#

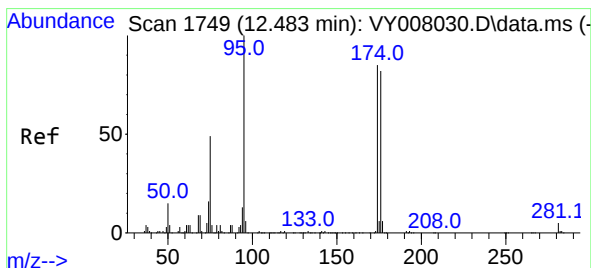
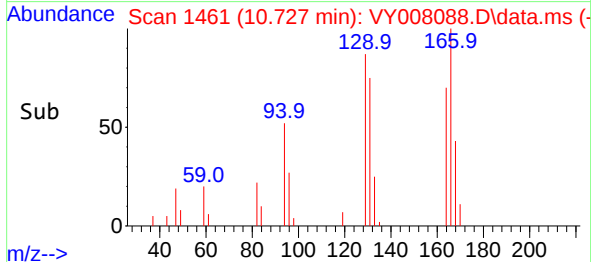
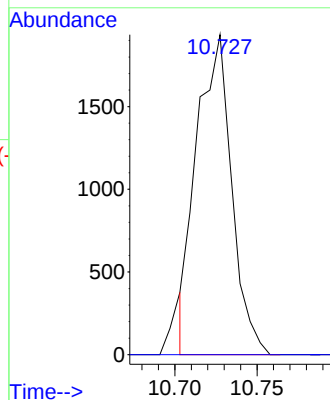
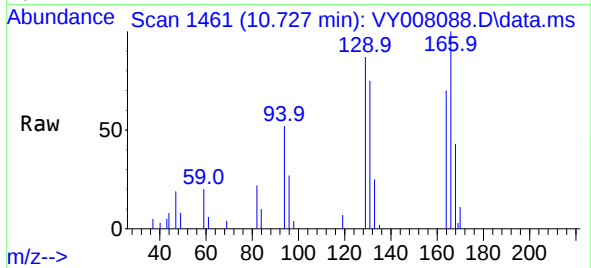




#60
Dibromochloromethane
Concen: 1.650 ug/l
RT: 10.727 min Scan# 1461
Delta R.T. -0.256 min
Lab File: VY008088.D
Acq: 29 Mar 2022 15:39

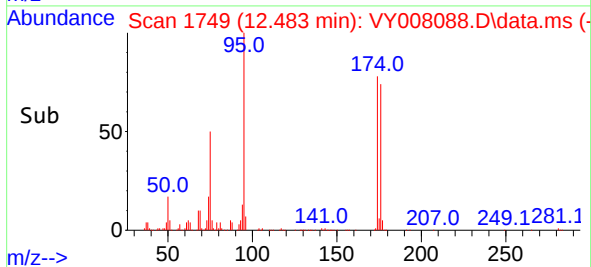
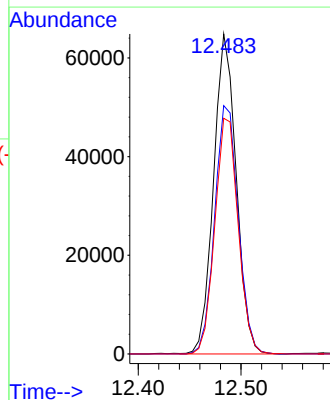
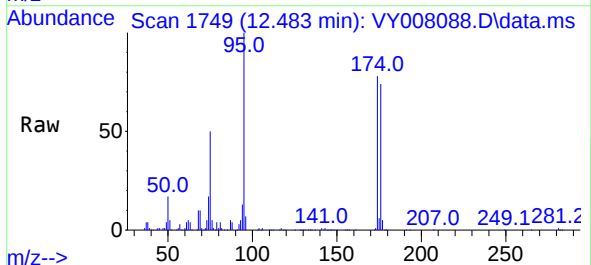
Instrument :
MSVOA_Y
ClientSampleId :

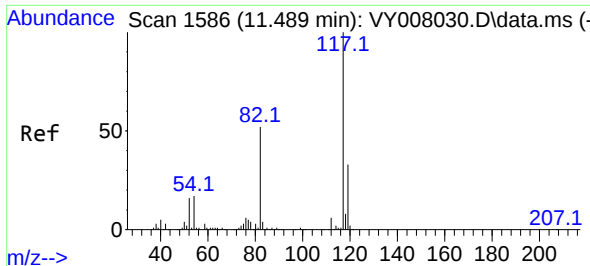
Tgt Ion:129 Resp: 2858
Ion Ratio Lower Upper
129 100
127 0.0 38.7 116.1#



#62
4-Bromofluorobenzene
Concen: 50.301 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008088.D
Acq: 29 Mar 2022 15:39

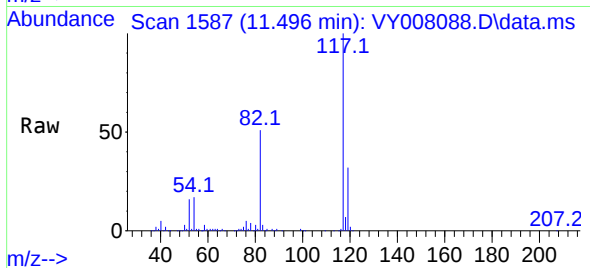
Tgt Ion: 95 Resp: 99060
Ion Ratio Lower Upper
95 100
174 80.9 0.0 177.0
176 76.0 0.0 175.8



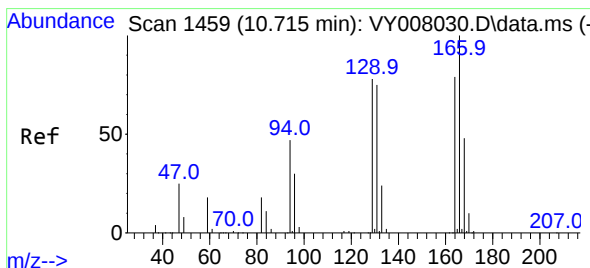
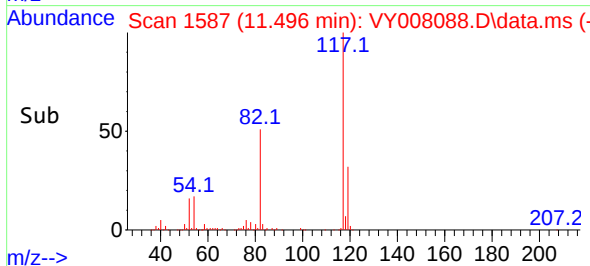
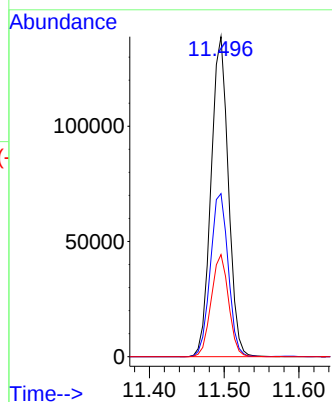


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY008088.D
Acq: 29 Mar 2022 15:39

Instrument :
MSVOA_Y
ClientSampleId :

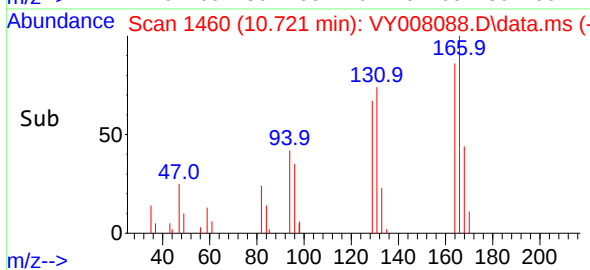
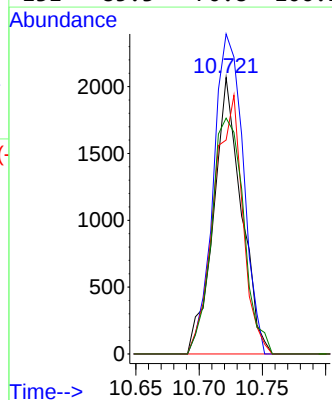
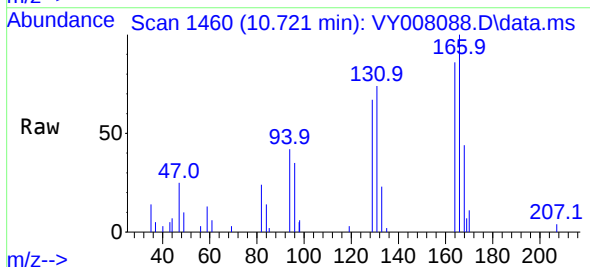


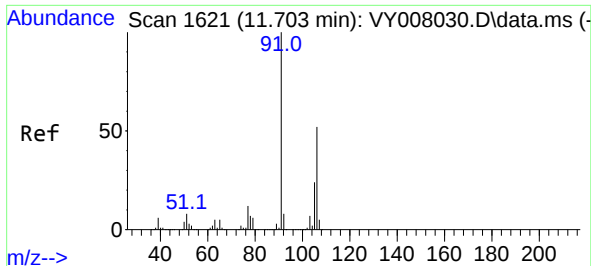
Tgt Ion:117 Resp: 223707
Ion Ratio Lower Upper
117 100
82 50.9 43.0 64.4
119 31.9 25.4 38.0



#64
Tetrachloroethene
Concen: 1.839 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. 0.006 min
Lab File: VY008088.D
Acq: 29 Mar 2022 15:39

Tgt Ion:164 Resp: 3160
Ion Ratio Lower Upper
164 100
166 115.8 100.4 150.6
129 77.4 71.4 107.0
131 85.3 70.8 106.2

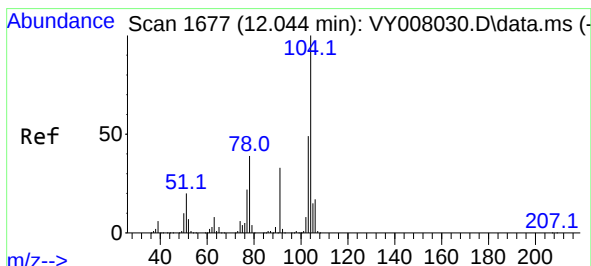
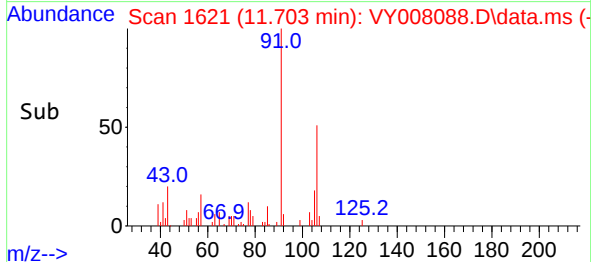
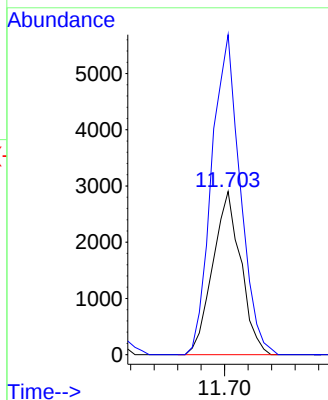
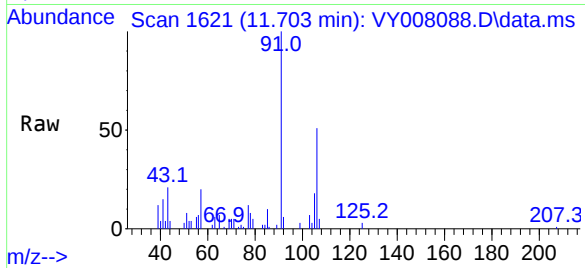




#68
m/p-Xylenes
Concen: 1.373 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY008088.D
Acq: 29 Mar 2022 15:39

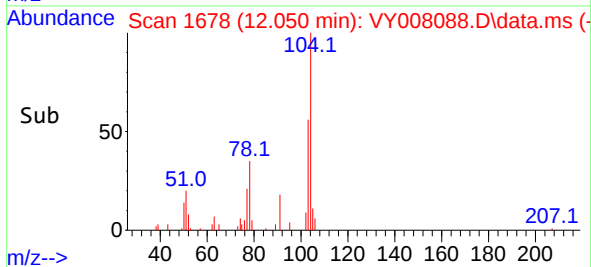
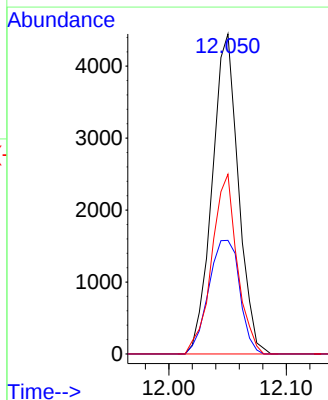
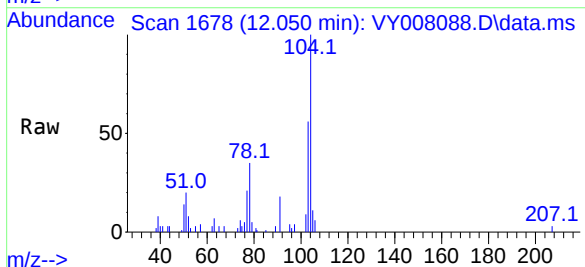
Instrument :
MSVOA_Y
ClientSampleId :

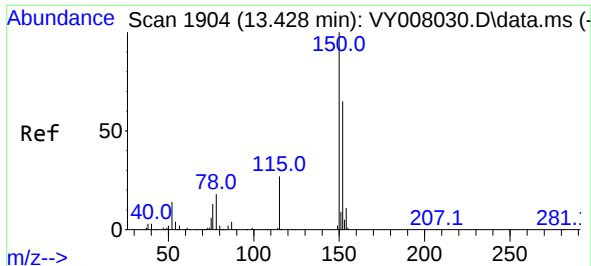
Tgt Ion:106 Resp: 4828
Ion Ratio Lower Upper
106 100
91 198.4 166.6 249.8



#70
Styrene
Concen: 1.252 ug/l
RT: 12.050 min Scan# 1678
Delta R.T. 0.006 min
Lab File: VY008088.D
Acq: 29 Mar 2022 15:39

Tgt Ion:104 Resp: 6897
Ion Ratio Lower Upper
104 100
78 42.0 42.4 63.6#
103 54.5 44.4 66.6

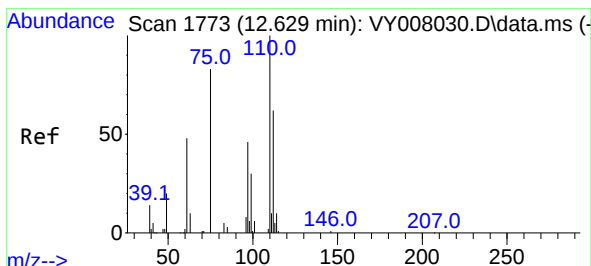
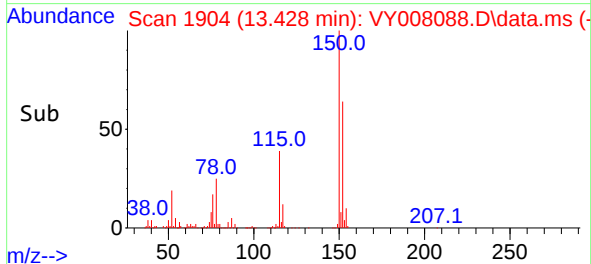
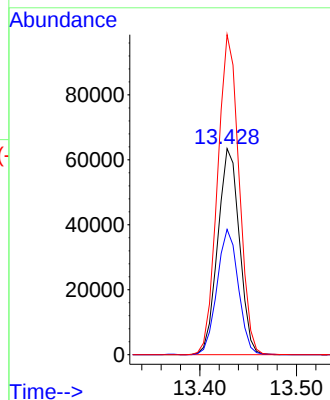
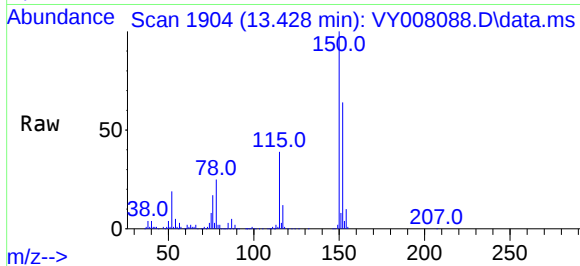




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY008088.D
 Acq: 29 Mar 2022 15:39

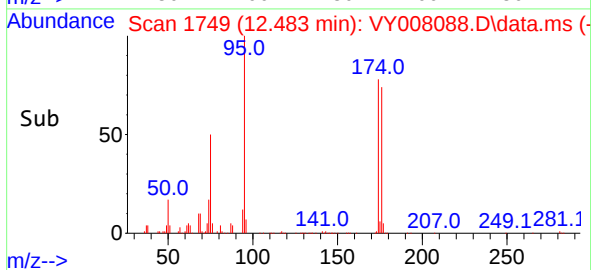
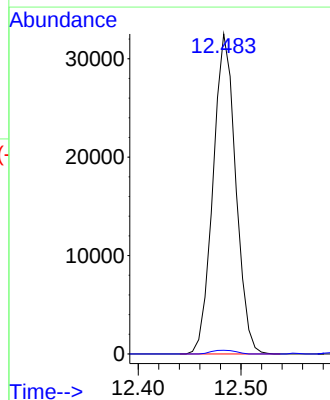
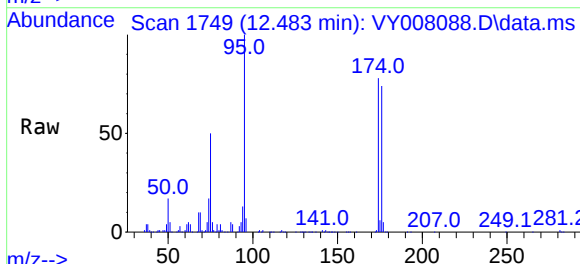
Instrument :
 MSVOA_Y
 ClientSampleId :

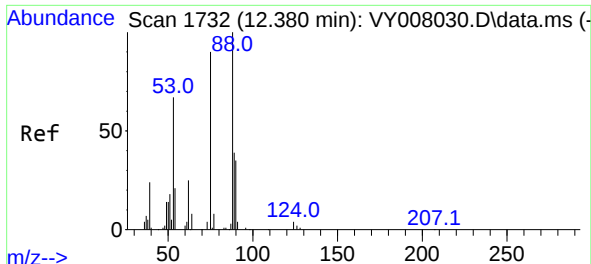
Tgt Ion:152 Resp: 98340
 Ion Ratio Lower Upper
 152 100
 115 60.0 28.2 84.7
 150 154.5 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 41.490 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.146 min
 Lab File: VY008088.D
 Acq: 29 Mar 2022 15:39

Tgt Ion: 75 Resp: 49737
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#

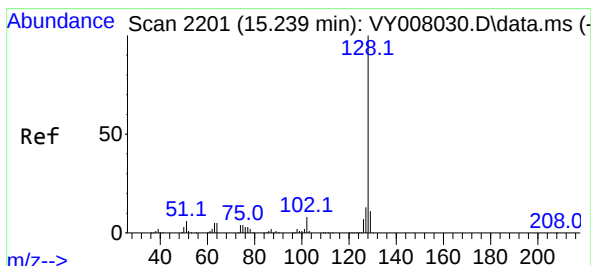
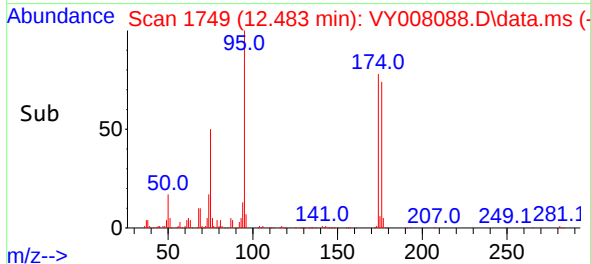
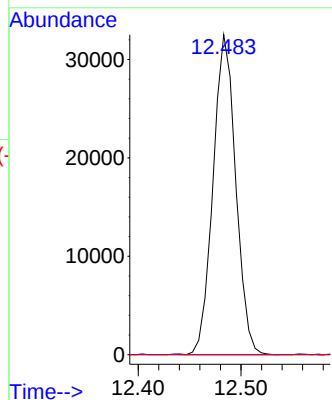
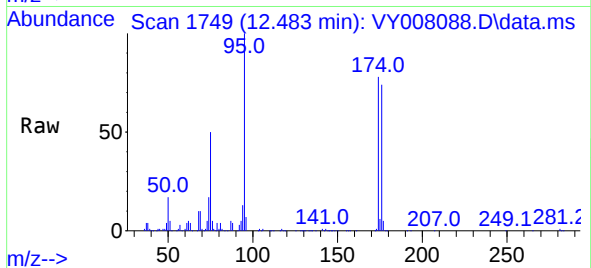




#81
trans-1,4-Dichloro-2-butene
Concen: 92.571 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY008088.D
Acq: 29 Mar 2022 15:39

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 49737
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 10.549 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY008088.D
Acq: 29 Mar 2022 15:39

Tgt Ion: 128 Resp: 45395
Ion Ratio Lower Upper
128 100
127 12.8 11.0 16.4
129 11.3 8.4 12.6

