

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071222\
 Data File : VY009539.D
 Acq On : 12 Jul 2022 17:50
 Operator : KP/MD
 Sample : N3597-06
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20220511-FIELD-DUPLICATE-COMP

Quant Time: Jul 13 01:16:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 08 11:00:56 2022
 Response via : Initial Calibration

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

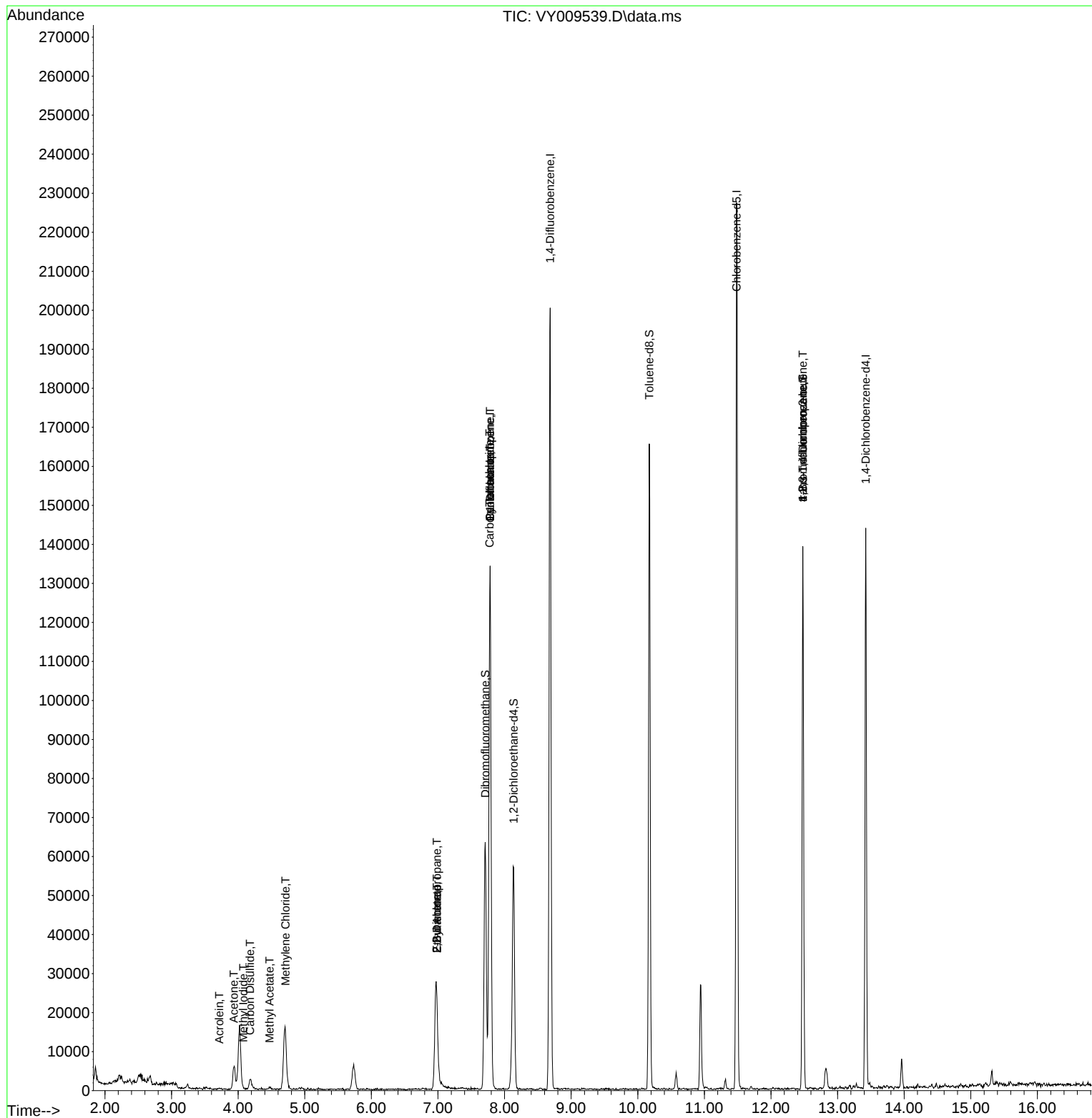
Internal Standards						
1) Pentafluorobenzene	7.783	168	106723	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	167292	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	124258	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	36179	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	41858	56.524	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.040%
35) Dibromofluoromethane	7.710	113	43382	49.284	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.560%
50) Toluene-d8	10.173	98	104569	42.035	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	84.060%
62) 4-Bromofluorobenzene	12.477	95	37124	29.878	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	59.760%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.076	142	130	4.256	ug/l #	35
11) Tert butyl alcohol	4.954	59	378	Below Cal		98
13) Acrolein	3.717	56	146	31.758	ug/l #	71
16) Acetone	3.936	43	10609	40.864	ug/l	99
17) Carbon Disulfide	4.180	76	3581	5.547	ug/l #	90
18) Methyl Acetate	4.473	43	955	1.253	ug/l #	72
20) Methylene Chloride	4.710	84	11523	5.133	ug/l #	77
23) Vinyl Acetate	6.088	43	24	Below Cal	#	75
25) 2-Butanone	6.984	43	5288	12.591	ug/l	95
26) 2,2-Dichloropropane	6.984	77	1992	1.122	ug/l #	55
31) Cyclohexane	7.783	56	2004	1.145	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	7893	5.508	ug/l #	52
37) Ethyl Acetate	6.984	43	5288	5.887	ug/l #	67
38) Carbon Tetrachloride	7.777	117	9749	6.361	ug/l #	14
76) 1,2,3-Trichloropropane	12.477	75	20494	53.512	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	20494	109.519	ug/l #	7

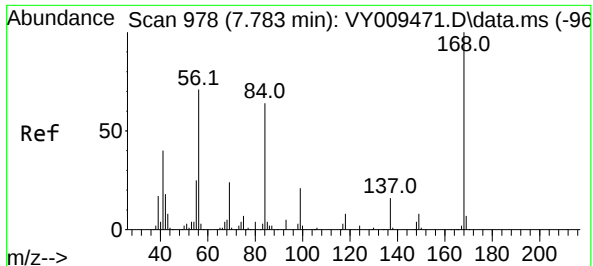
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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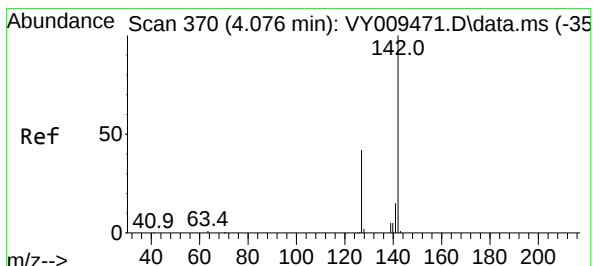
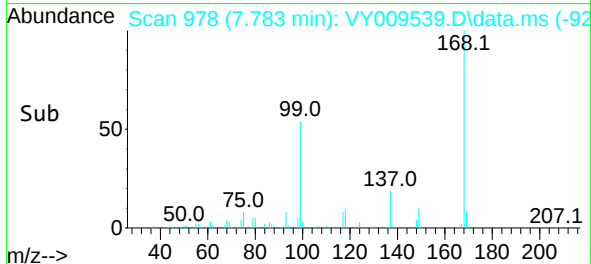
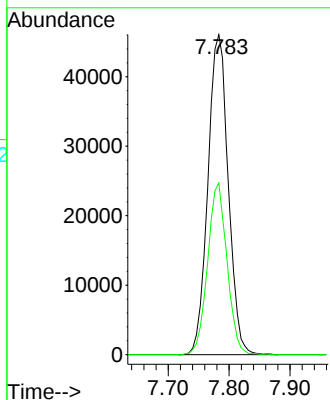
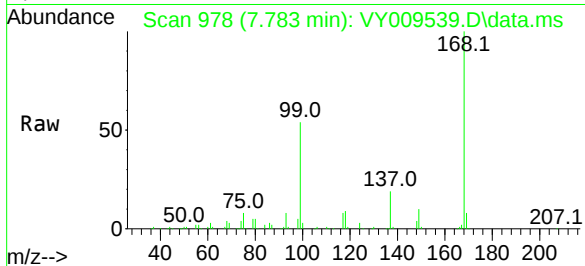




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009539.D
Acq: 12 Jul 2022 17:50

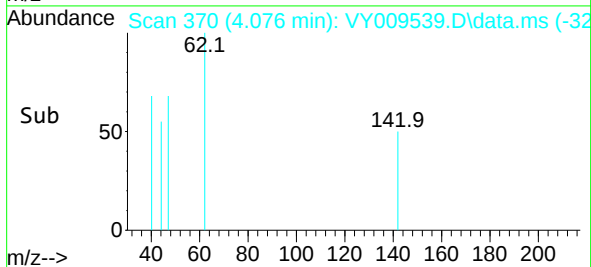
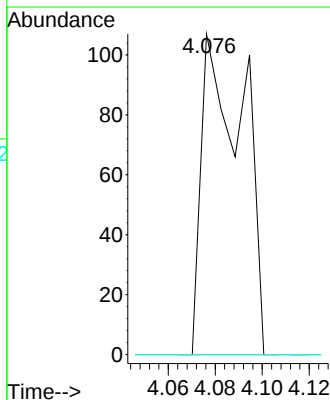
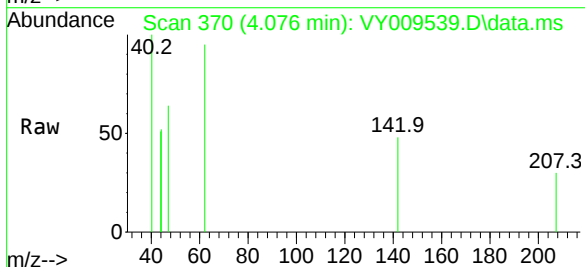
Instrument :
MSVOA_Y
ClientSampleId :
20220511-FIELD-DUPLICATE-COMP

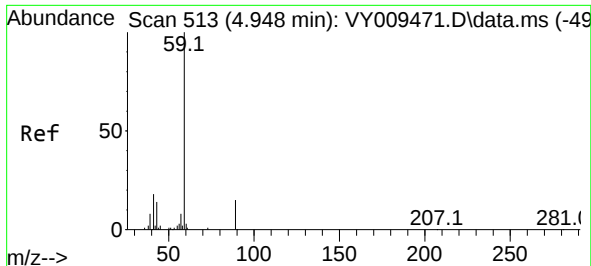
Tgt Ion:168 Resp: 106723
Ion Ratio Lower Upper
168 100
99 53.7 46.9 70.3



#10
Methyl Iodide
Concen: 4.256 ug/l
RT: 4.076 min Scan# 370
Delta R.T. 0.000 min
Lab File: VY009539.D
Acq: 12 Jul 2022 17:50

Tgt Ion:142 Resp: 130
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: Below Cal

RT: 4.954 min Scan# 513

Delta R.T. 0.006 min

Lab File: VY009539.D

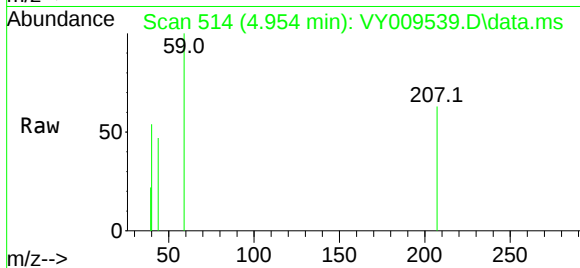
Acq: 12 Jul 2022 17:50

Instrument :

MSVOA_Y

ClientSampleId :

20220511-FIELD-DUPLICATE-COMP

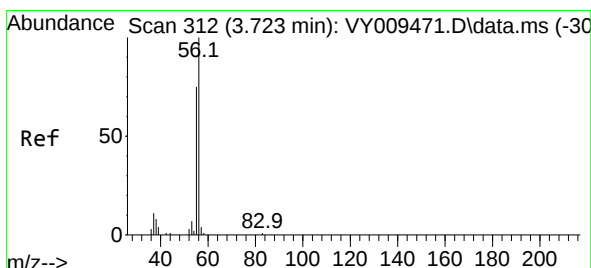
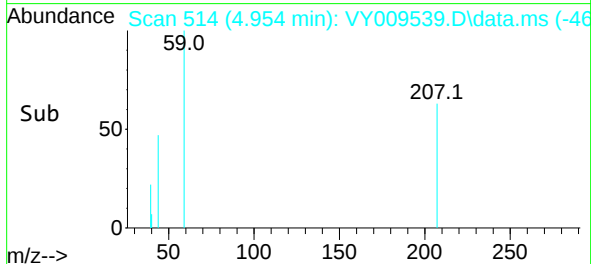
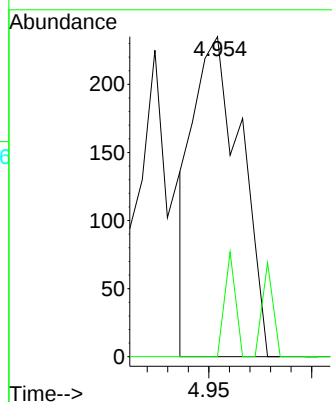


Tgt Ion: 59 Resp: 378

Ion Ratio Lower Upper

59 100

57 7.4 6.4 9.6



#13

Acrolein

Concen: 31.758 ug/l

RT: 3.717 min Scan# 311

Delta R.T. -0.006 min

Lab File: VY009539.D

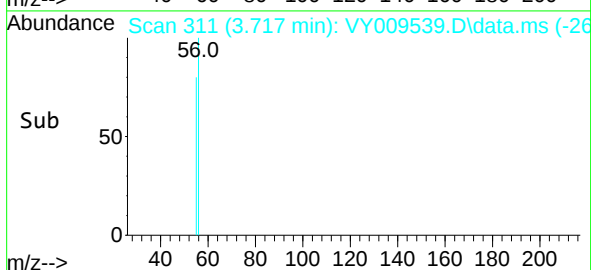
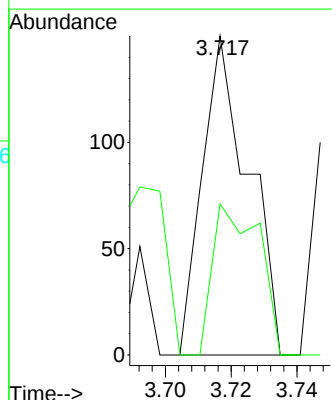
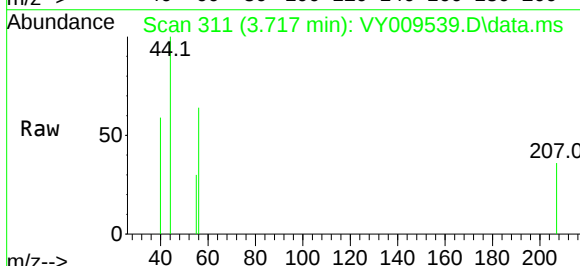
Acq: 12 Jul 2022 17:50

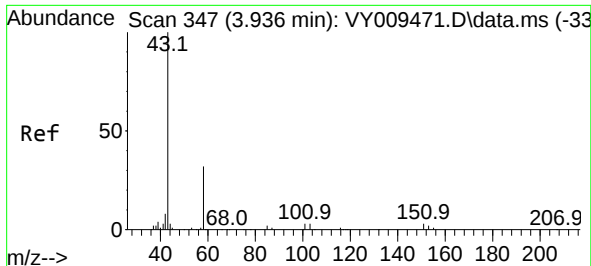
Tgt Ion: 56 Resp: 146

Ion Ratio Lower Upper

56 100

55 47.9 57.6 86.4#





#16

Acetone

Concen: 40.864 ug/l

RT: 3.936 min Scan# 347

Delta R.T. 0.000 min

Lab File: VY009539.D

Acq: 12 Jul 2022 17:50

Instrument :

MSVOA_Y

ClientSampleId :

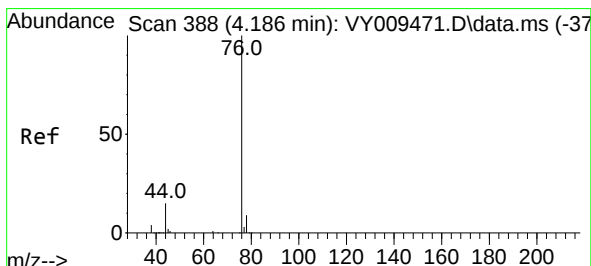
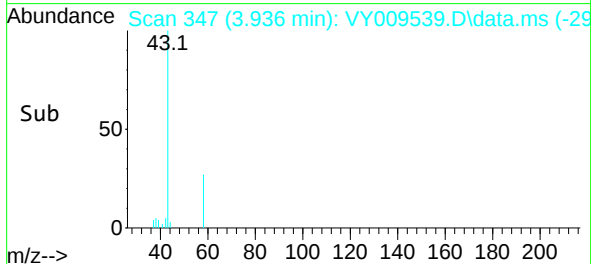
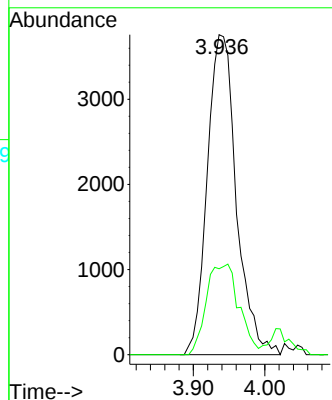
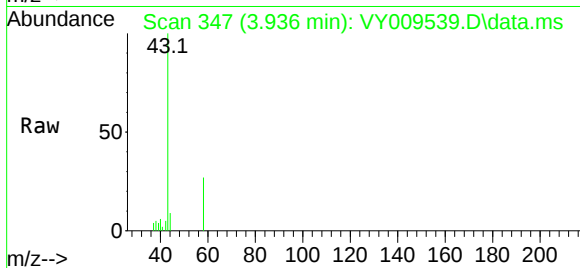
20220511-FIELD-DUPLICATE-COMP

Tgt Ion: 43 Resp: 10609

Ion Ratio Lower Upper

43 100

58 26.8 22.0 33.0



#17

Carbon Disulfide

Concen: 5.547 ug/l

RT: 4.180 min Scan# 387

Delta R.T. -0.006 min

Lab File: VY009539.D

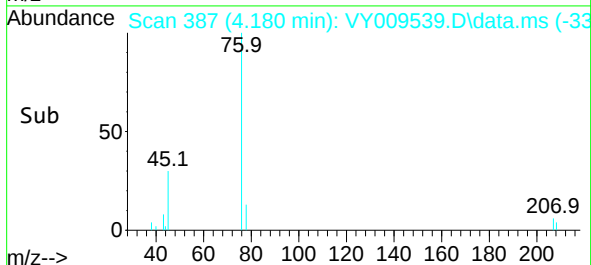
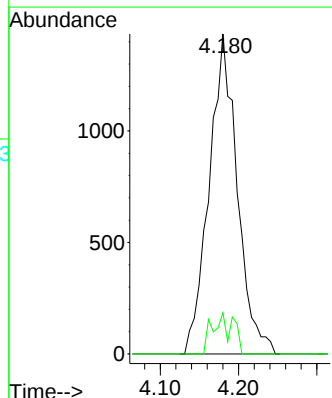
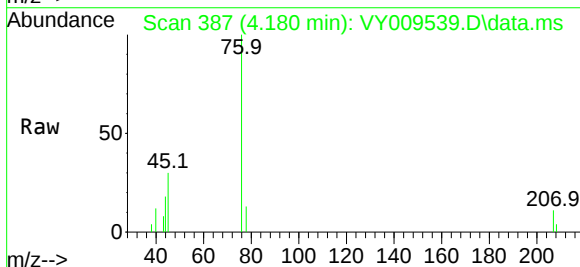
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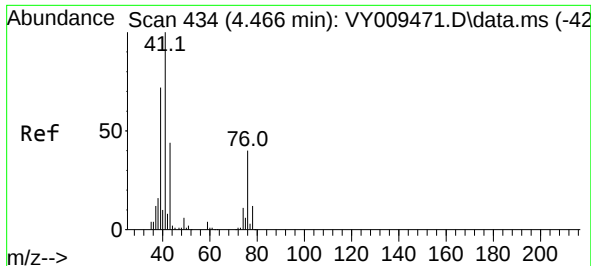
Tgt Ion: 76 Resp: 3581

Ion Ratio Lower Upper

76 100

78 12.9 7.4 11.0#

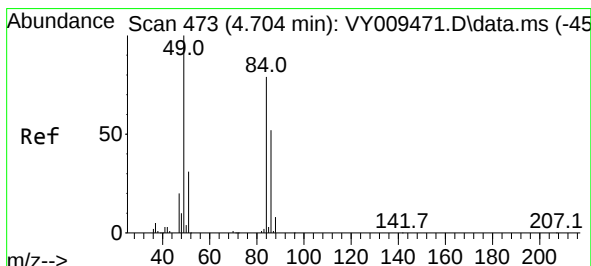
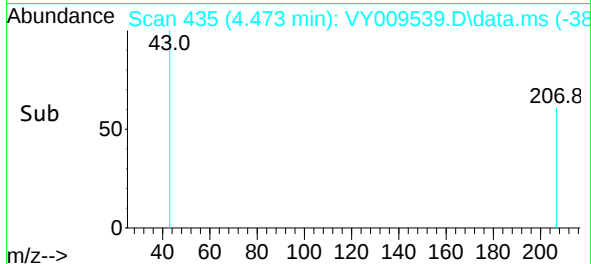
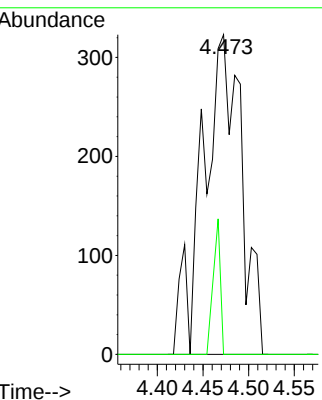
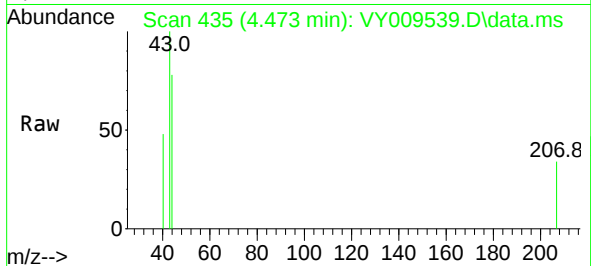




#18
Methyl Acetate
Concen: 1.253 ug/l
RT: 4.473 min Scan# 41
Delta R.T. 0.007 min
Lab File: VY009539.D
Acq: 12 Jul 2022 17:50

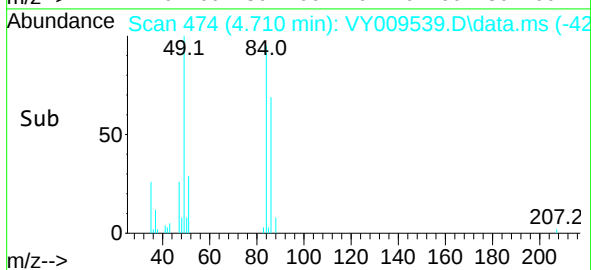
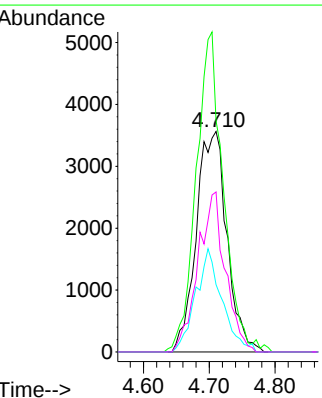
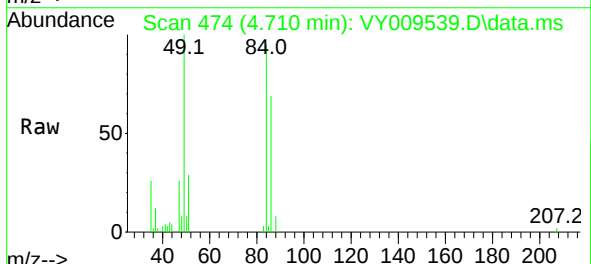
Instrument :
MSVOA_Y
ClientSampleId :
20220511-FIELD-DUPLICATE-COMP

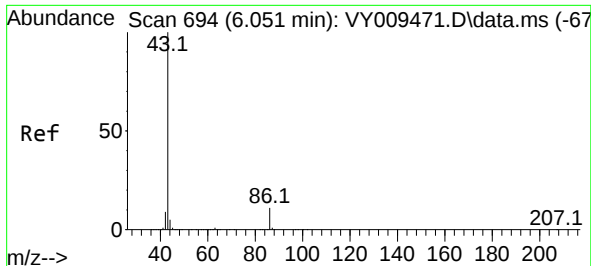
Tgt Ion: 43 Resp: 955
Ion Ratio Lower Upper
43 100
74 7.9 16.6 24.8#



#20
Methylene Chloride
Concen: 5.133 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY009539.D
Acq: 12 Jul 2022 17:50

Tgt Ion: 84 Resp: 11523
Ion Ratio Lower Upper
84 100
49 103.4 114.4 171.6#
51 30.6 35.3 52.9#
86 72.6 53.7 80.5

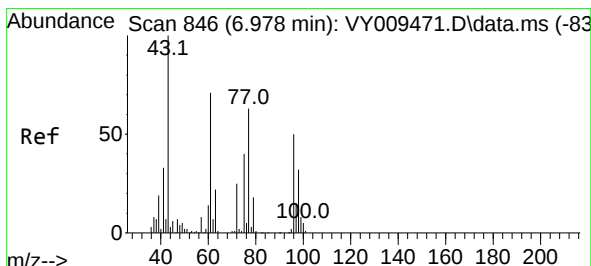
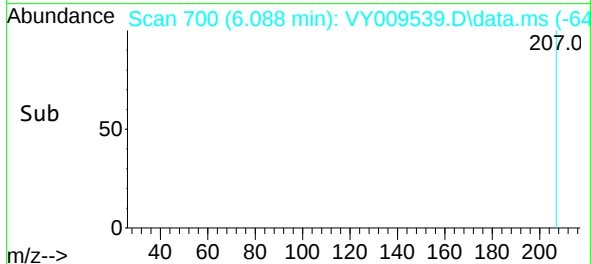
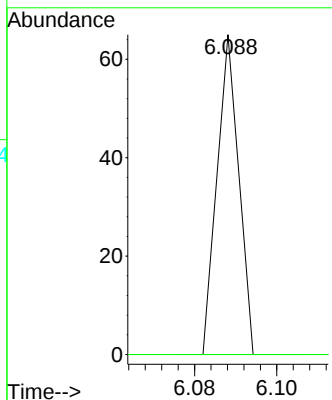
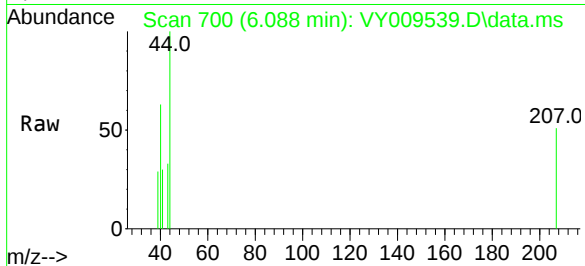




#23
 Vinyl Acetate
 Concen: Below Cal
 RT: 6.088 min Scan# 70
 Delta R.T. 0.037 min
 Lab File: VY009539.D
 Acq: 12 Jul 2022 17:50

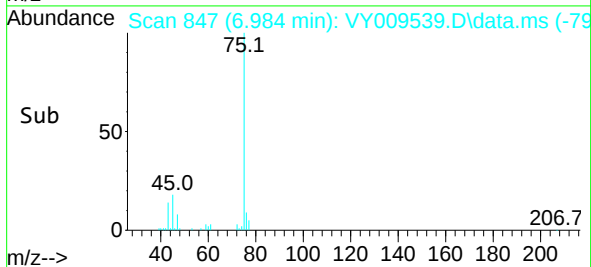
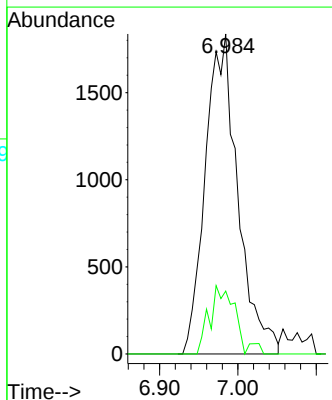
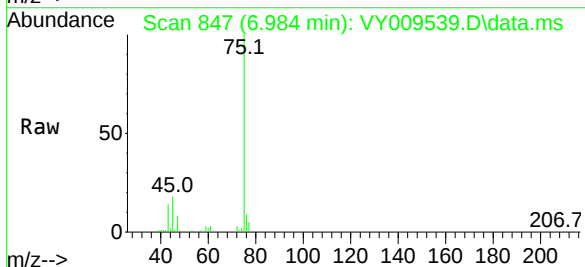
Instrument :
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 ClientSampleId :
 20220511-FIELD-DUPLICATE-COMP

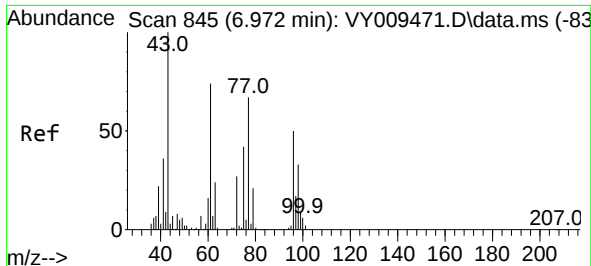
Tgt Ion: 43 Resp: 24
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#25
 2-Butanone
 Concen: 12.591 ug/l
 RT: 6.984 min Scan# 847
 Delta R.T. 0.006 min
 Lab File: VY009539.D
 Acq: 12 Jul 2022 17:50

Tgt Ion: 43 Resp: 5288
 Ion Ratio Lower Upper
 43 100
 72 19.7 17.7 26.5





#26

2,2-Dichloropropane

Concen: 1.122 ug/l

RT: 6.984 min Scan# 845

Delta R.T. 0.012 min

Lab File: VY009539.D

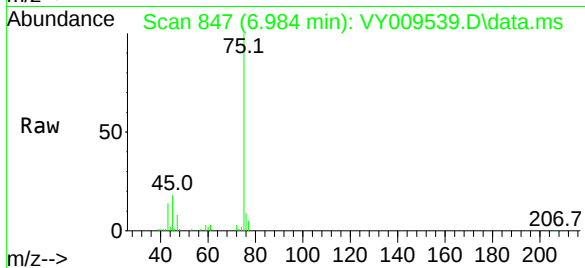
Acq: 12 Jul 2022 17:50

Instrument :

MSVOA_Y

ClientSampleId :

20220511-FIELD-DUPLICATE-COMP

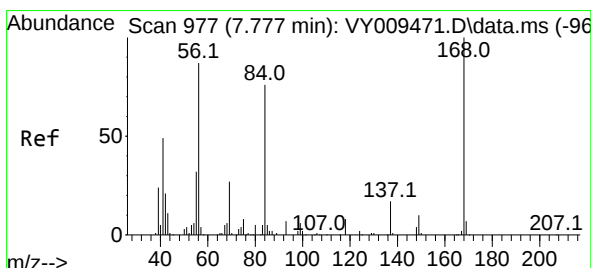
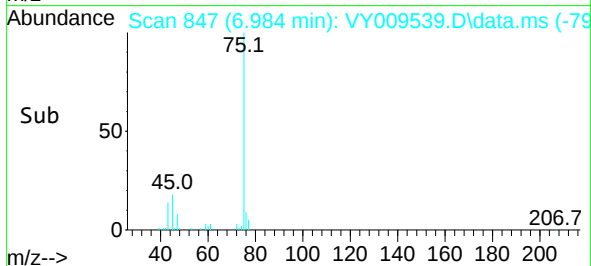
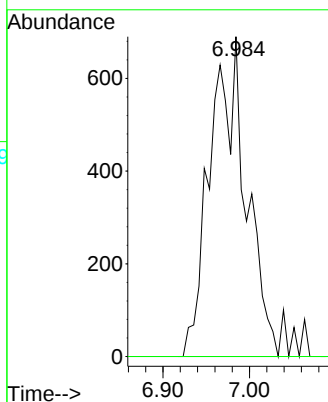


Tgt Ion: 77 Resp: 1992

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#



#31

Cyclohexane

Concen: 1.145 ug/l

RT: 7.783 min Scan# 978

Delta R.T. 0.006 min

Lab File: VY009539.D

Acq: 12 Jul 2022 17:50

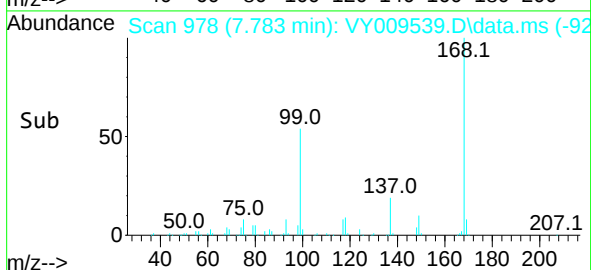
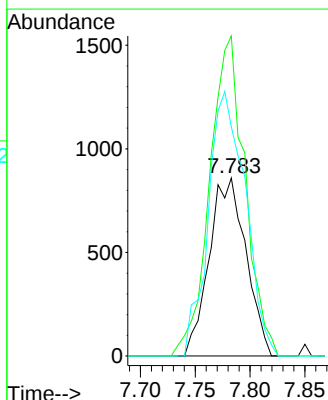
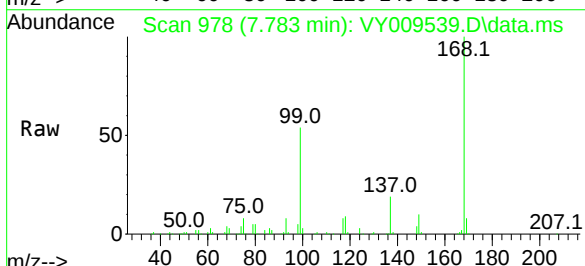
Tgt Ion: 56 Resp: 2004

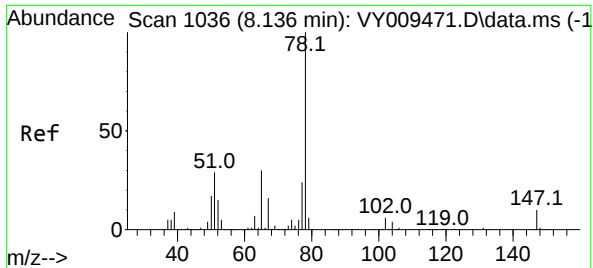
Ion Ratio Lower Upper

56 100

69 179.9 26.7 40.1#

84 128.9 67.2 100.8#

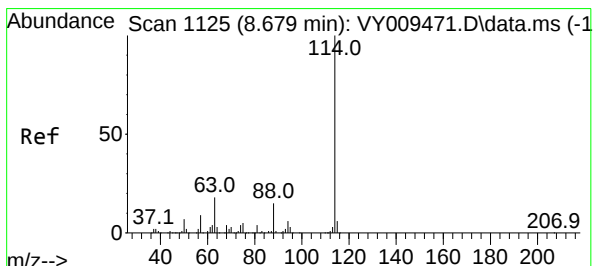
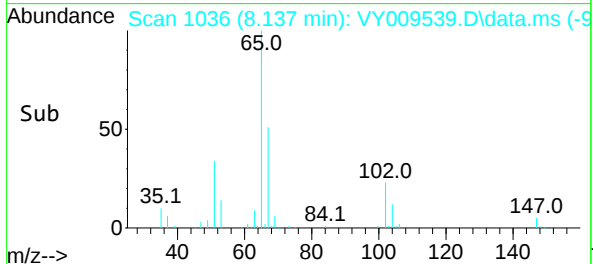
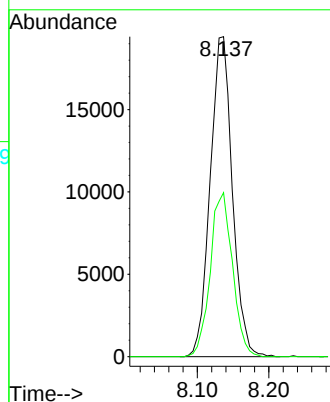
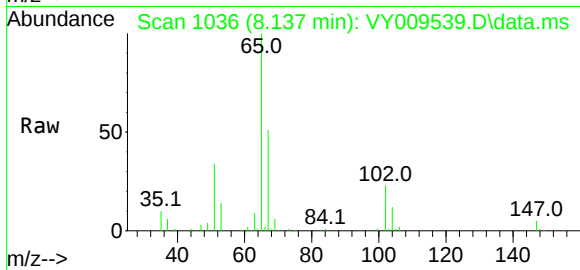




#33
 1,2-Dichloroethane-d4
 Concen: 56.524 ug/l
 RT: 8.137 min Scan# 1036
 Delta R.T. 0.001 min
 Lab File: VY009539.D
 Acq: 12 Jul 2022 17:50

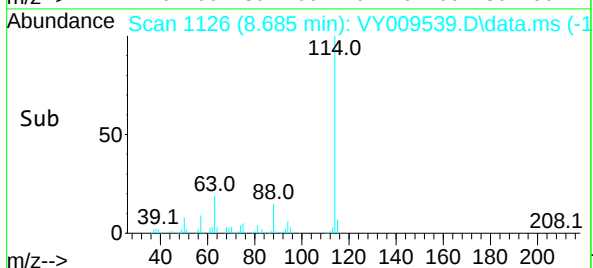
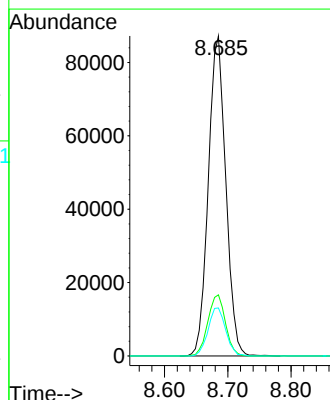
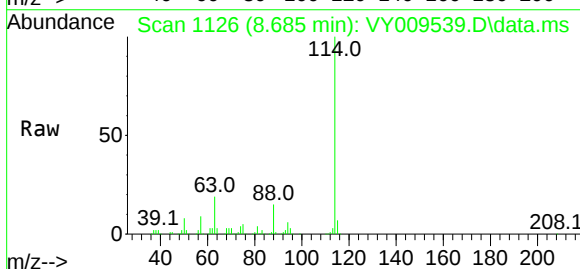
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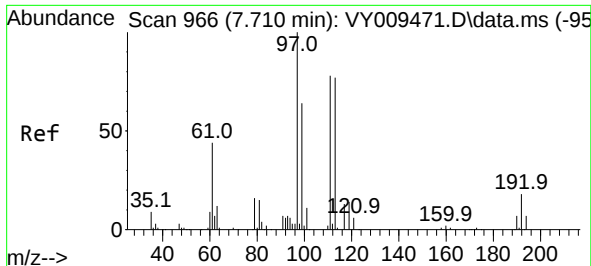
Tgt Ion: 65 Resp: 41858
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.006 min
 Lab File: VY009539.D
 Acq: 12 Jul 2022 17:50

Tgt Ion: 114 Resp: 167292
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 43.2
 88 15.0 0.0 31.8

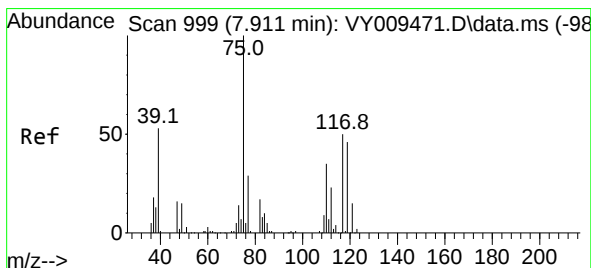
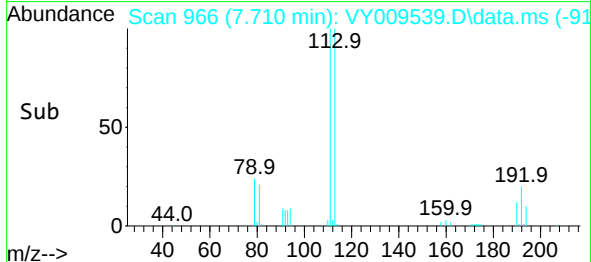
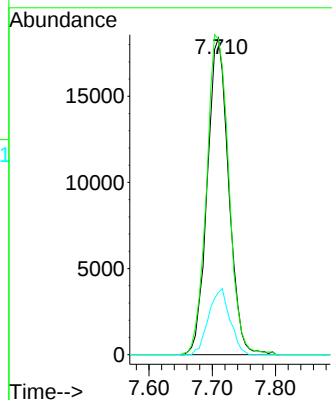
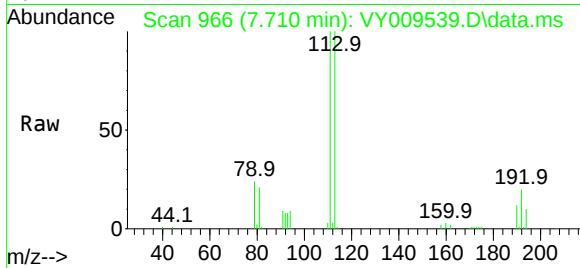




#35
Dibromofluoromethane
Concen: 49.284 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY009539.D
Acq: 12 Jul 2022 17:50

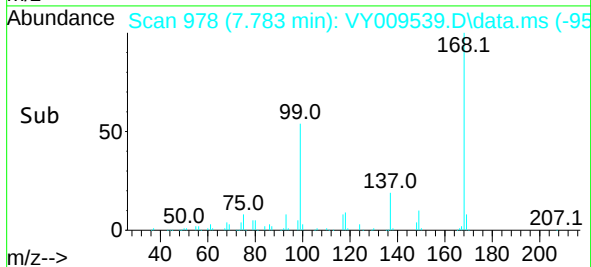
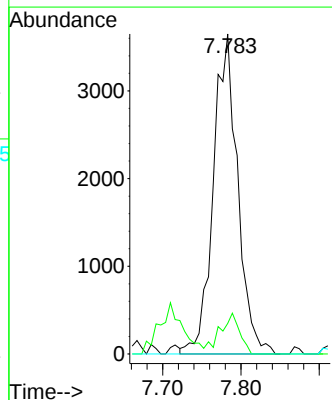
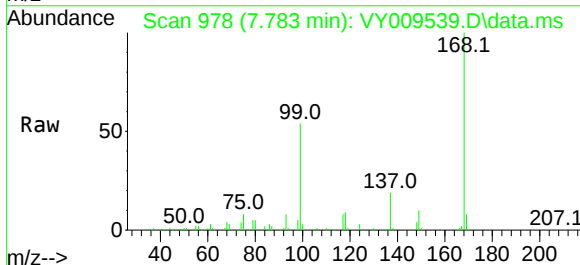
Instrument :
MSVOA_Y
ClientSampleId :
20220511-FIELD-DUPLICATE-COMP

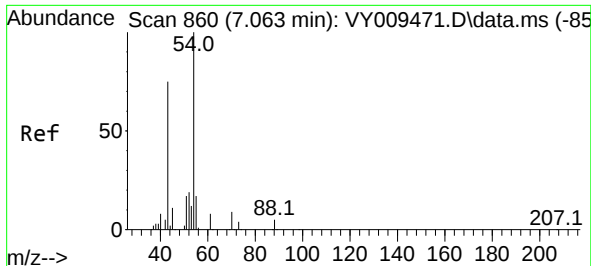
Tgt Ion:113 Resp: 43382
Ion Ratio Lower Upper
113 100
111 105.0 82.6 124.0
192 20.7 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.508 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY009539.D
Acq: 12 Jul 2022 17:50

Tgt Ion: 75 Resp: 7893
Ion Ratio Lower Upper
75 100
110 10.3 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 5.887 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.079 min

Lab File: VY009539.D

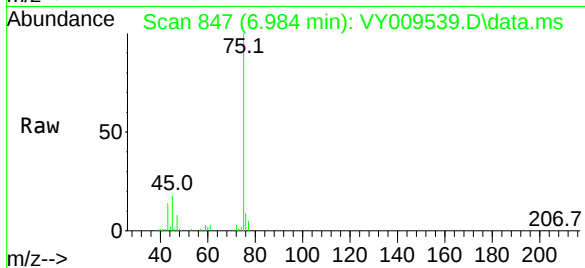
Acq: 12 Jul 2022 17:50

Instrument :

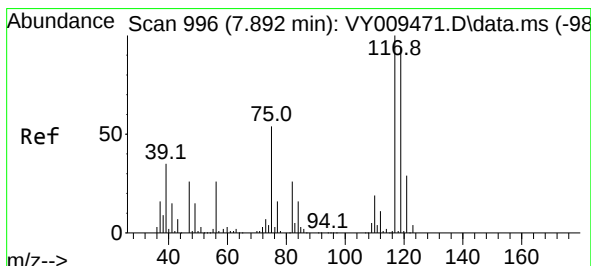
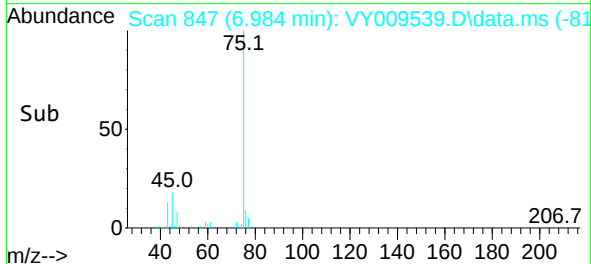
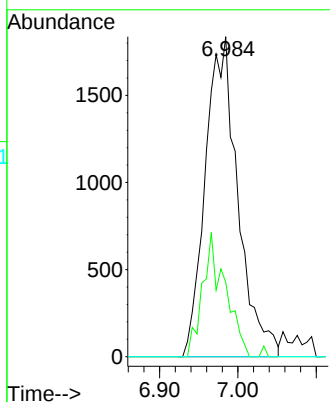
MSVOA_Y

ClientSampleId :

20220511-FIELD-DUPLICATE-COMP



Tgt Ion:	43	Resp:	5288
Ion	Ratio	Lower	Upper
43	100		
61	27.1	9.7	14.5#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 6.361 ug/l

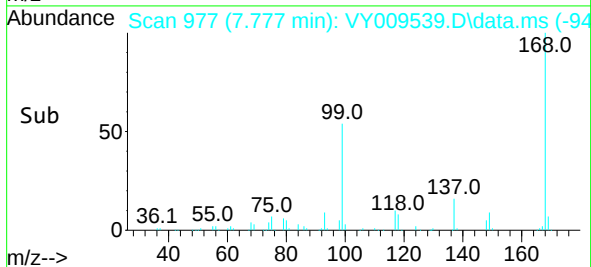
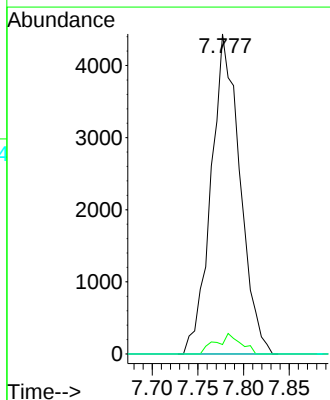
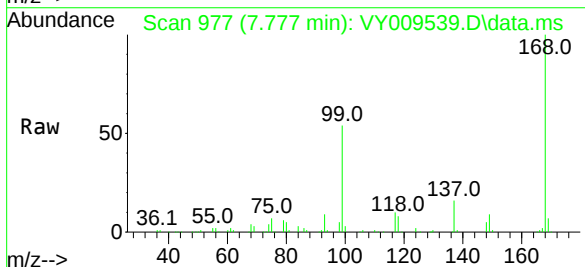
RT: 7.777 min Scan# 977

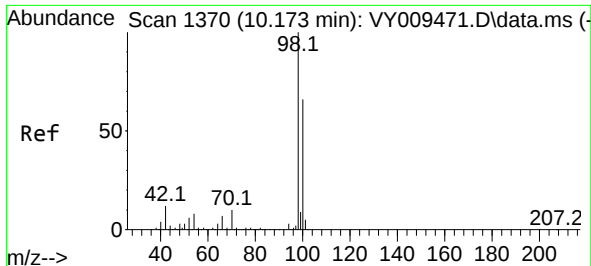
Delta R.T. -0.115 min

Lab File: VY009539.D

Acq: 12 Jul 2022 17:50

Tgt Ion:	117	Resp:	9749
Ion	Ratio	Lower	Upper
117	100		
119	3.0	77.9	116.9#
121	0.0	24.8	37.2#

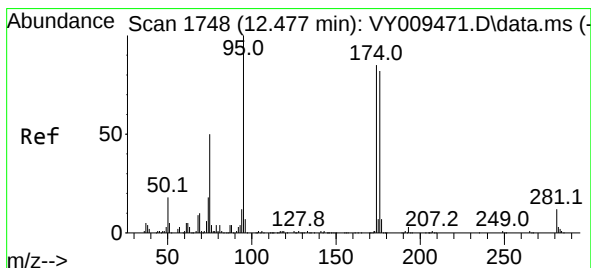
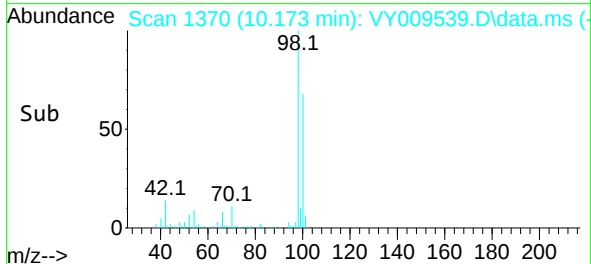
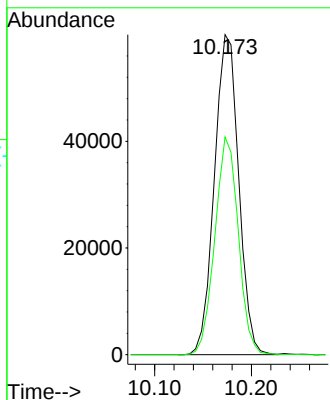
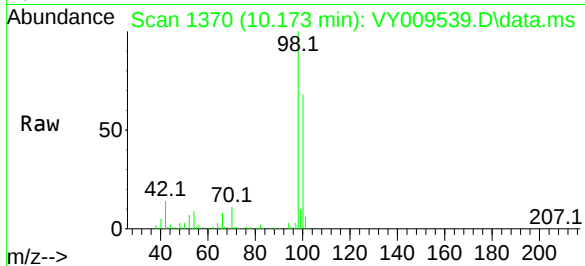




#50
Toluene-d8
Concen: 42.035 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009539.D
Acq: 12 Jul 2022 17:50

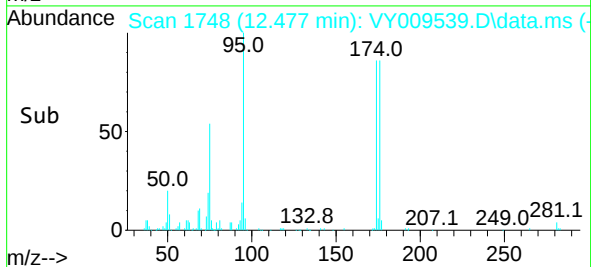
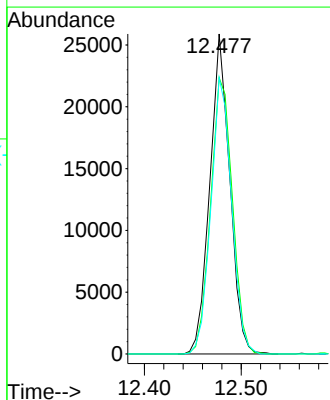
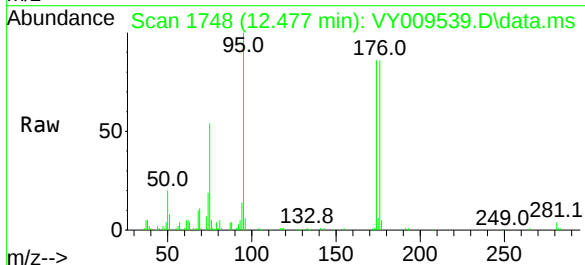
Instrument :
MSVOA_Y
ClientSampleId :
20220511-FIELD-DUPLICATE-COMP

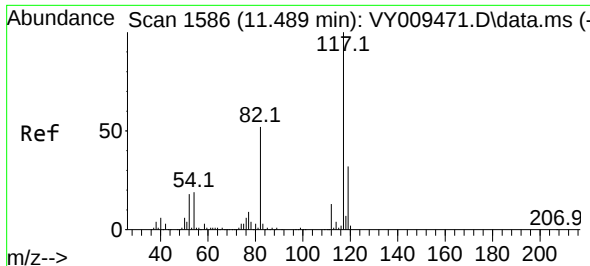
Tgt Ion: 98 Resp: 104569
Ion Ratio Lower Upper
98 100
100 65.6 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 29.878 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009539.D
Acq: 12 Jul 2022 17:50

Tgt Ion: 95 Resp: 37124
Ion Ratio Lower Upper
95 100
174 94.1 0.0 177.0
176 89.3 0.0 175.8

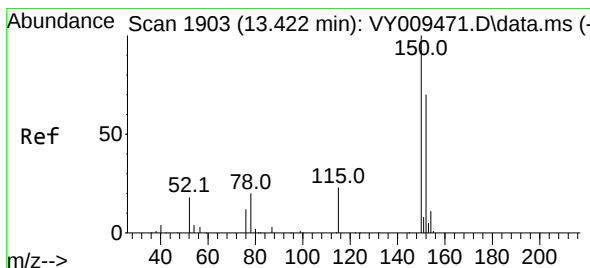
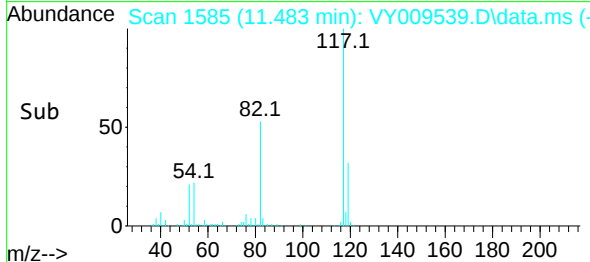
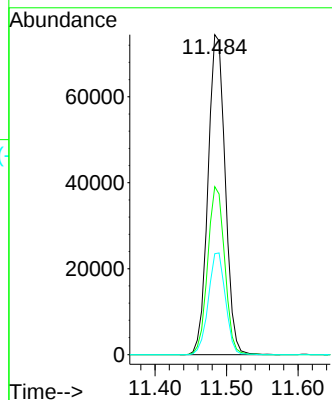
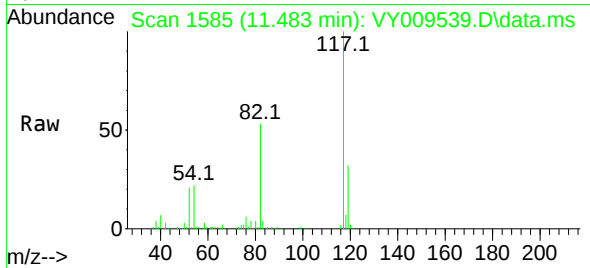




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY009539.D
Acq: 12 Jul 2022 17:50

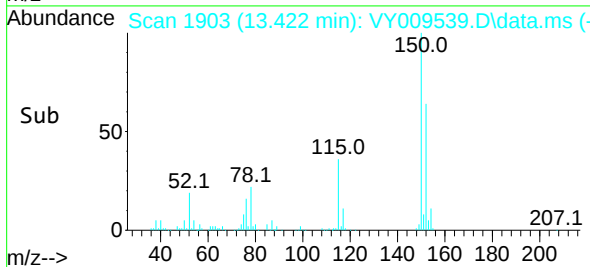
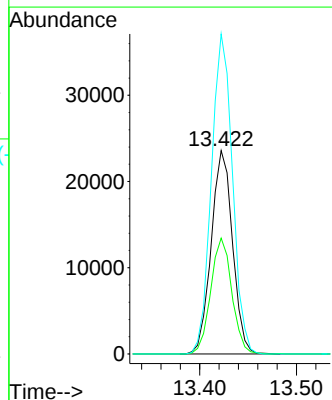
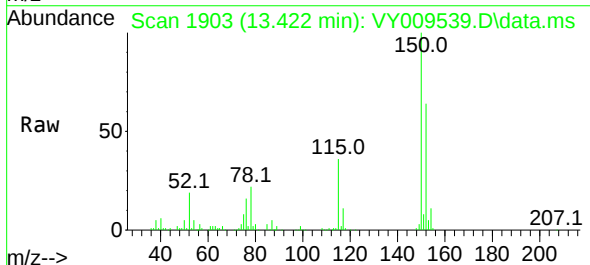
Instrument :
MSVOA_Y
ClientSampleId :
20220511-FIELD-DUPLICATE-COMP

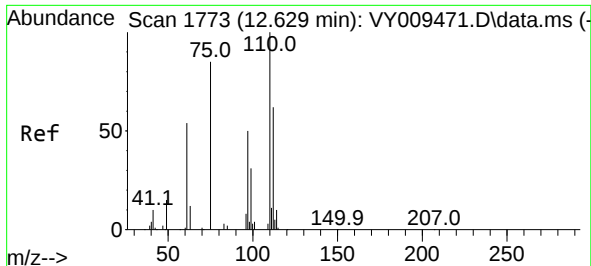
Tgt Ion:117 Resp: 124258
Ion Ratio Lower Upper
117 100
82 52.5 43.0 64.4
119 31.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY009539.D
Acq: 12 Jul 2022 17:50

Tgt Ion:152 Resp: 36179
Ion Ratio Lower Upper
152 100
115 56.3 28.2 84.7
150 155.1 0.0 347.6

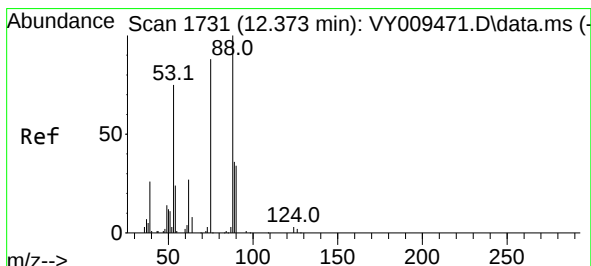
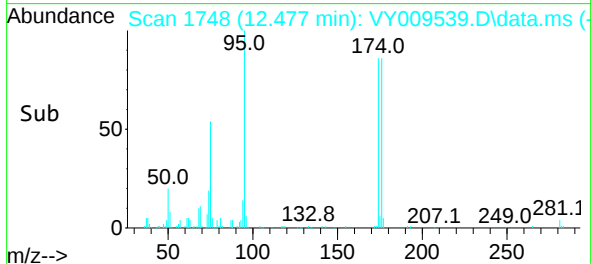
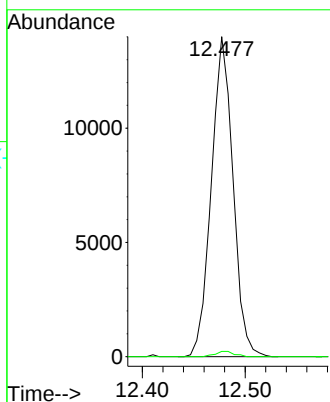
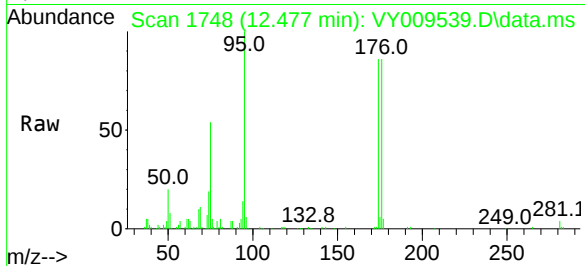




#76
1,2,3-Trichloropropane
Concen: 53.512 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY009539.D
Acq: 12 Jul 2022 17:50

Instrument :
MSVOA_Y
ClientSampleId :
20220511-FIELD-DUPLICATE-COMP

Tgt Ion: 75 Resp: 20494
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 109.519 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY009539.D
Acq: 12 Jul 2022 17:50

Tgt Ion: 75 Resp: 20494
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#

