

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070122\
 Data File : VY009418.D
 Acq On : 01 Jul 2022 13:33
 Operator : KP/MD
 Sample : N3538-01
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GS-3A

Quant Time: Jul 05 02:44:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062822S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 17:35:34 2022
 Response via : Initial Calibration

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

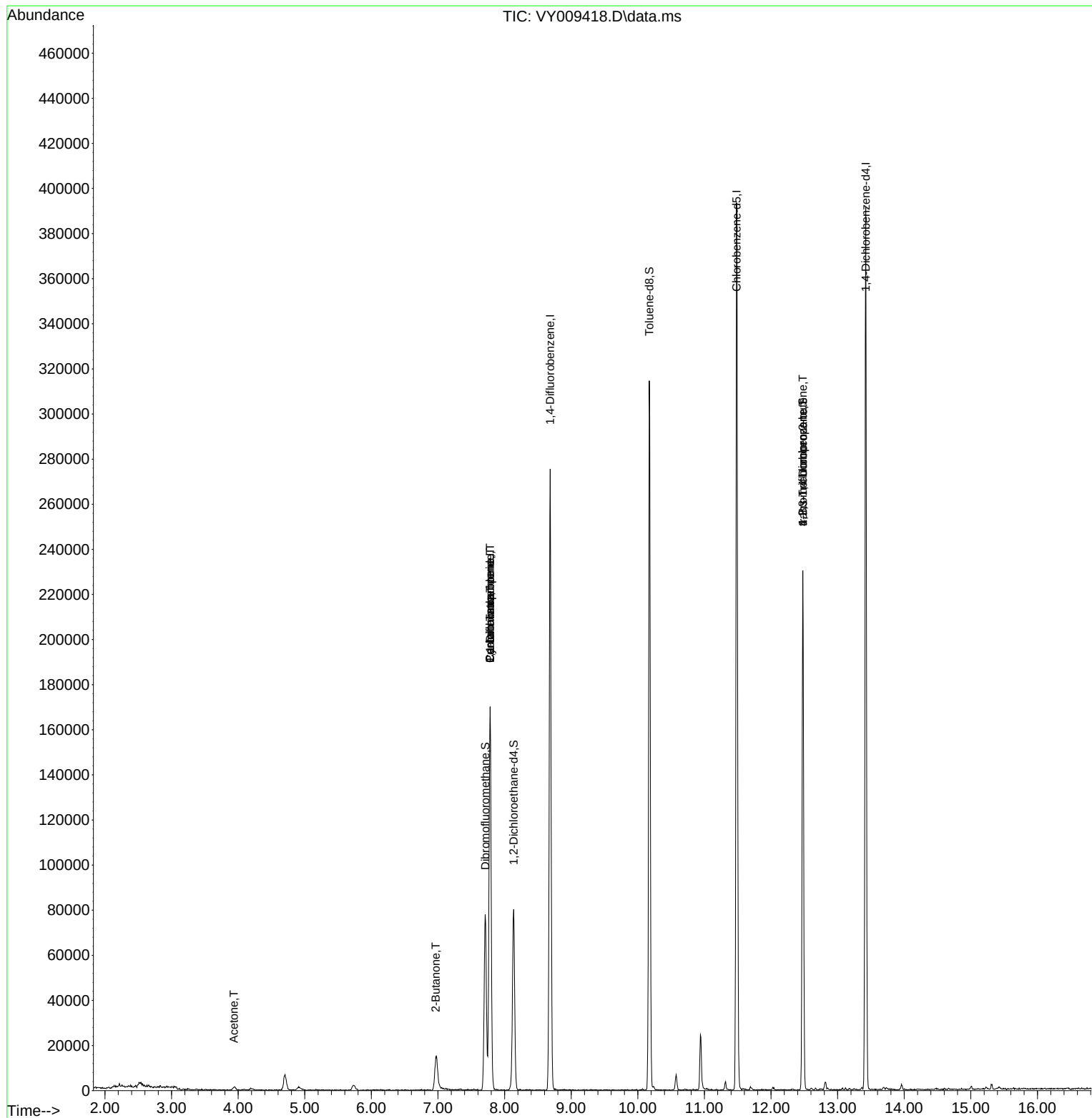
Internal Standards						
1) Pentafluorobenzene	7.783	168	132887	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	224961	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	210310	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	95496	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	59642	56.035	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.060%	
35) Dibromofluoromethane	7.710	113	53612	43.301	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 86.600%	
50) Toluene-d8	10.173	98	199271	52.493	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.980%	
62) 4-Bromofluorobenzene	12.477	95	63152	35.077	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 70.160%	
Target Compounds						
11) Tert butyl alcohol	4.918	59	2067	Below Cal	#	77
16) Acetone	3.936	43	2520	7.209	ug/l	98
18) Methyl Acetate	4.473	43	119	Below Cal	#	56
20) Methylene Chloride	4.704	84	4932	Below Cal	#	92
25) 2-Butanone	6.966	43	1120	2.021	ug/l	# 54
31) Cyclohexane	7.783	56	2947	1.231	ug/l	# 28
36) 1,1-Dichloropropene	7.783	75	10288	4.752	ug/l	# 51
38) Carbon Tetrachloride	7.783	117	12690	5.608	ug/l	# 17
76) 1,2,3-Trichloropropane	12.477	75	34273	30.646	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	34273	68.234	ug/l	# 7

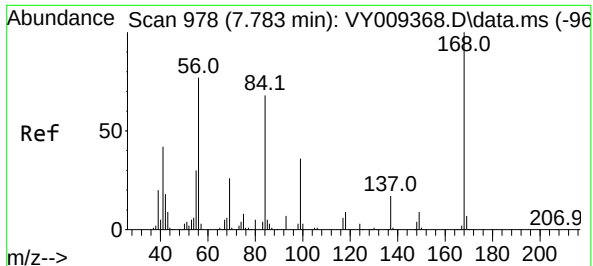
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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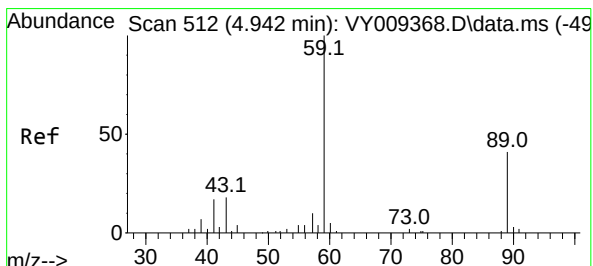
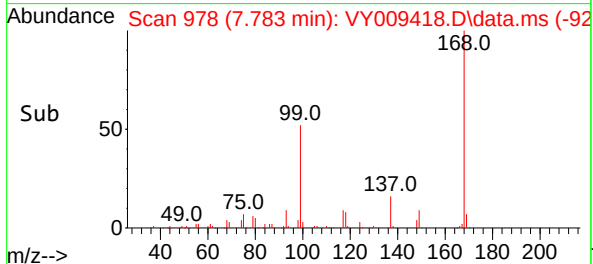
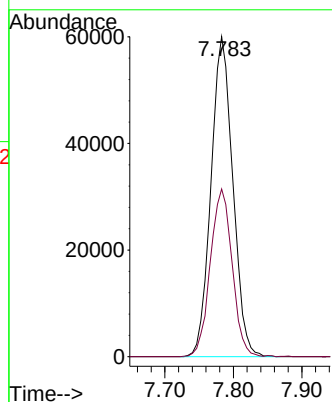
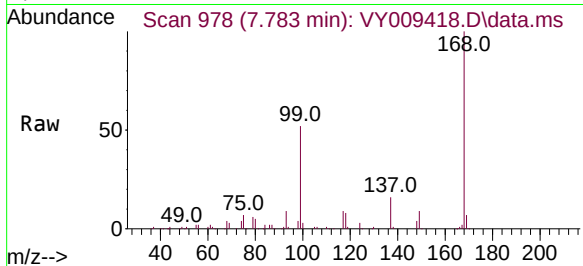




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009418.D
Acq: 01 Jul 2022 13:33

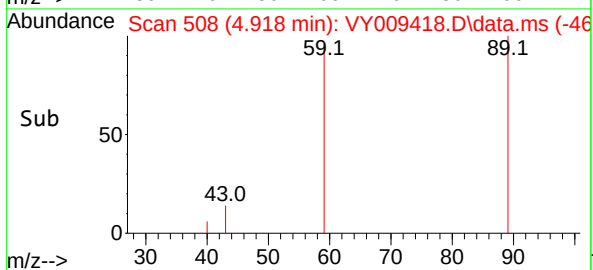
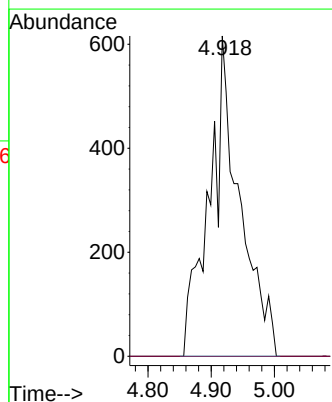
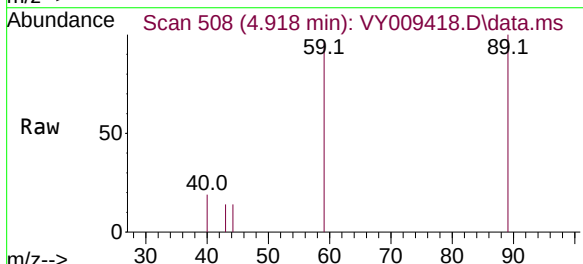
Instrument :
MSVOA_Y
ClientSampleId :
GS-3A

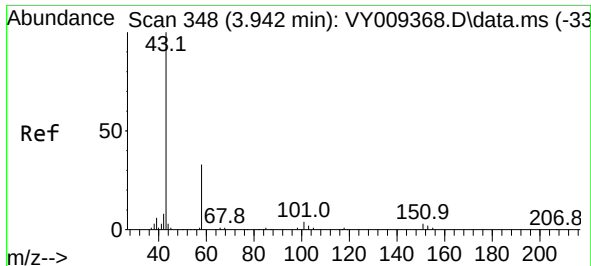
Tgt Ion:168 Resp: 132887
Ion Ratio Lower Upper
168 100
99 52.4 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.918 min Scan# 508
Delta R.T. -0.024 min
Lab File: VY009418.D
Acq: 01 Jul 2022 13:33

Tgt Ion: 59 Resp: 2067
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

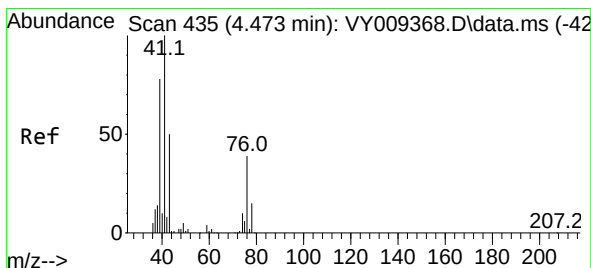
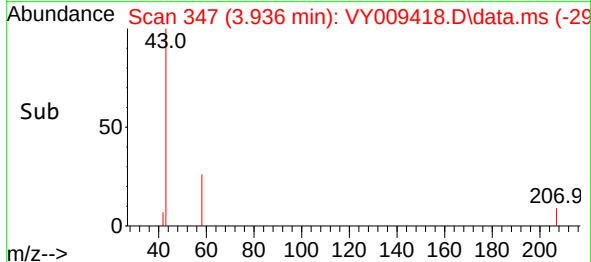
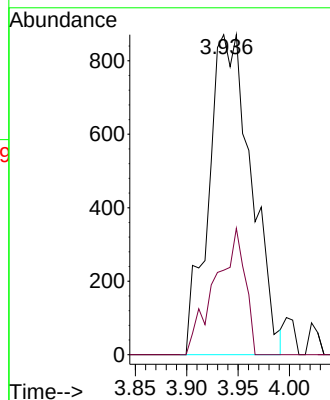
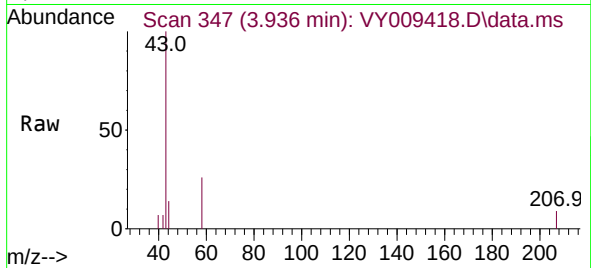




#16
Acetone
Concen: 7.209 ug/l
RT: 3.936 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY009418.D
Acq: 01 Jul 2022 13:33

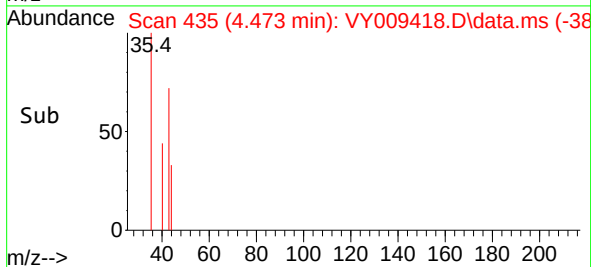
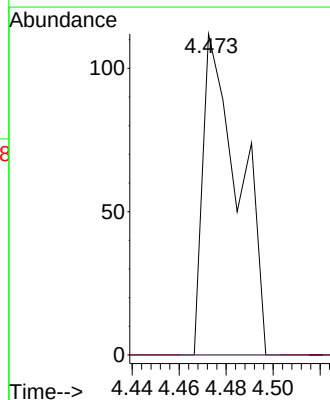
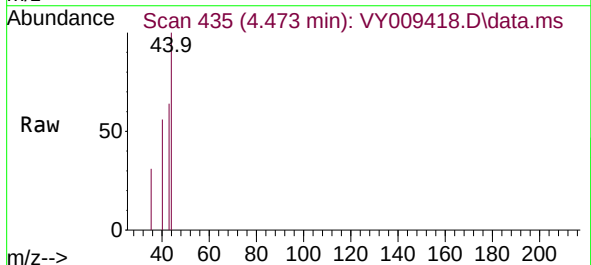
Instrument :
MSVOA_Y
ClientSampleId :
GS-3A

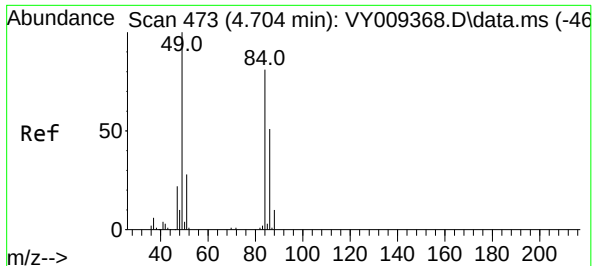
Tgt Ion: 43 Resp: 2520
Ion Ratio Lower Upper
43 100
58 26.4 22.0 33.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.473 min Scan# 435
Delta R.T. -0.000 min
Lab File: VY009418.D
Acq: 01 Jul 2022 13:33

Tgt Ion: 43 Resp: 119
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

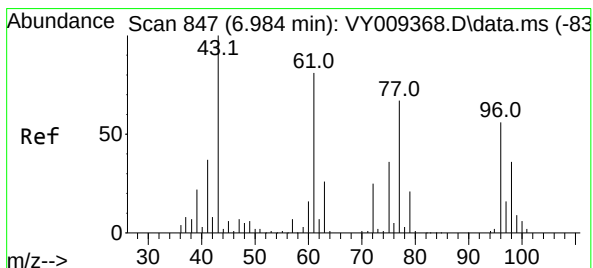
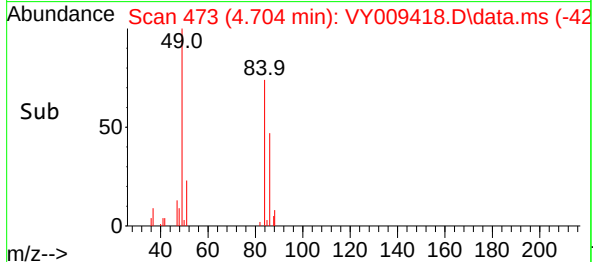
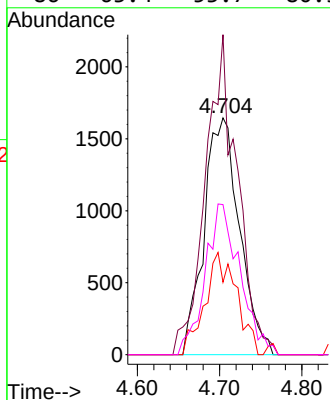
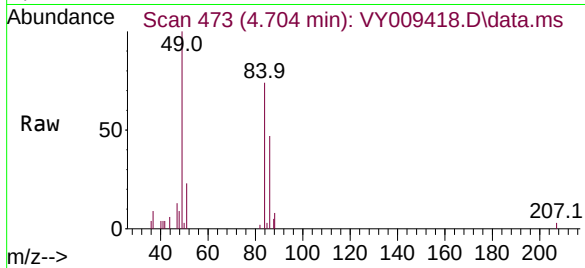




#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY009418.D
Acq: 01 Jul 2022 13:33

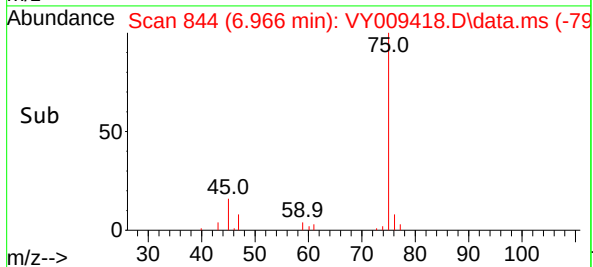
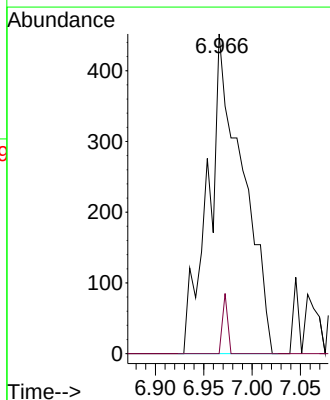
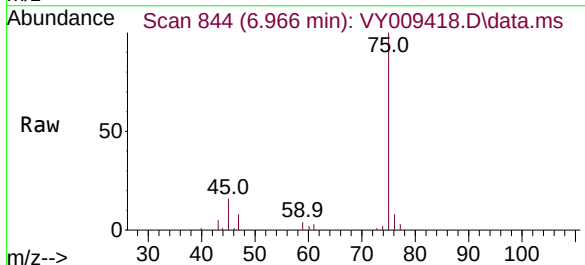
Instrument :
MSVOA_Y
ClientSampleId :
GS-3A

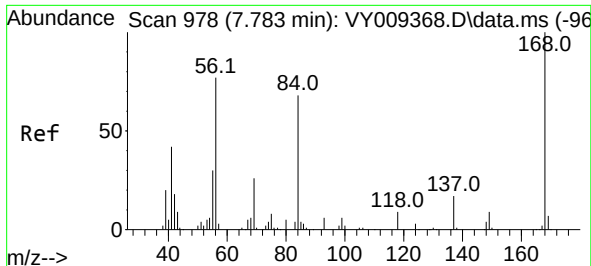
Tgt Ion: 84 Resp: 4932
Ion Ratio Lower Upper
84 100
49 135.1 114.4 171.6
51 30.6 35.3 52.9#
86 63.4 53.7 80.5



#25
2-Butanone
Concen: 2.021 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.012 min
Lab File: VY009418.D
Acq: 01 Jul 2022 13:33

Tgt Ion: 43 Resp: 1120
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#

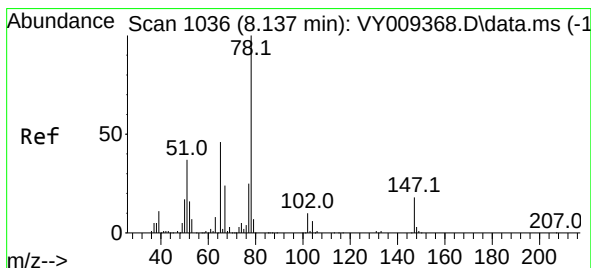
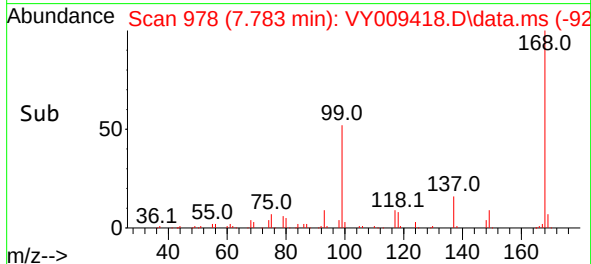
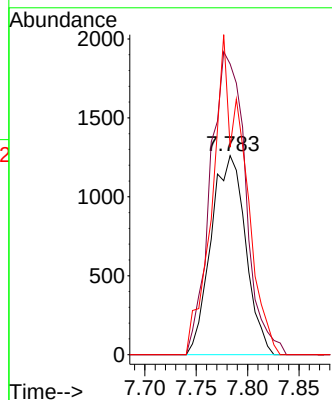
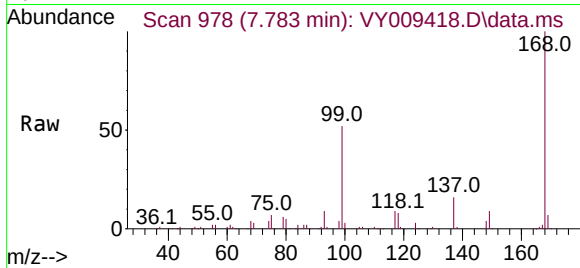




#31
Cyclohexane
Concen: 1.231 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009418.D
Acq: 01 Jul 2022 13:33

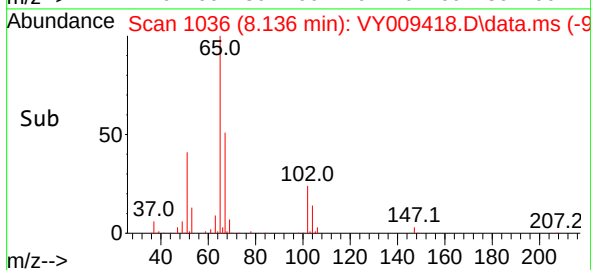
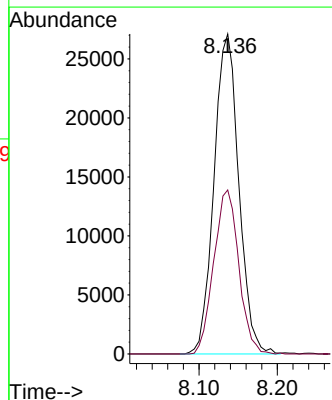
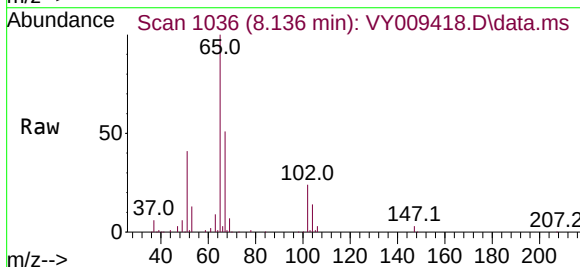
Instrument :
MSVOA_Y
ClientSampleId :
GS-3A

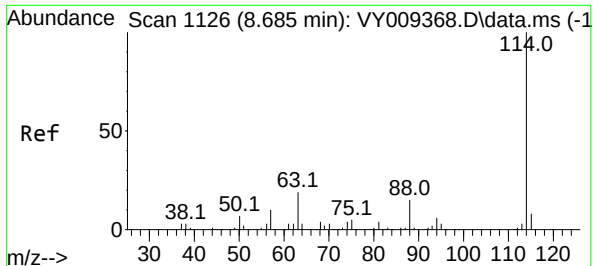
Tgt Ion: 56 Resp: 2947
Ion Ratio Lower Upper
56 100
69 146.1 26.7 40.1#
84 104.2 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 56.035 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY009418.D
Acq: 01 Jul 2022 13:33

Tgt Ion: 65 Resp: 59642
Ion Ratio Lower Upper
65 100
67 51.7 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009418.D

Acq: 01 Jul 2022 13:33

Instrument :

MSVOA_Y

ClientSampleId :

GS-3A

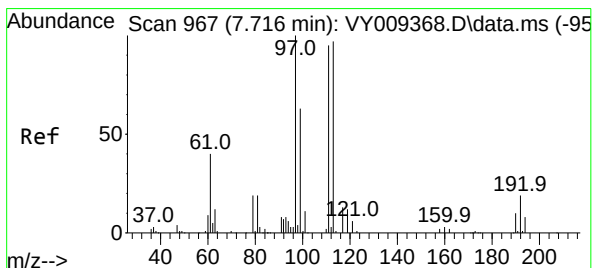
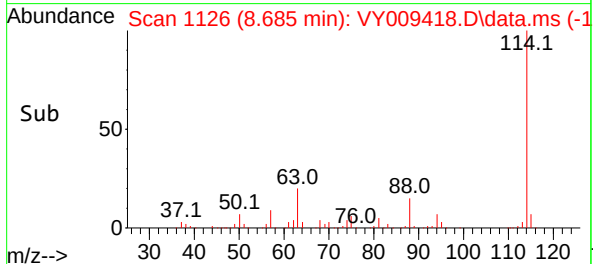
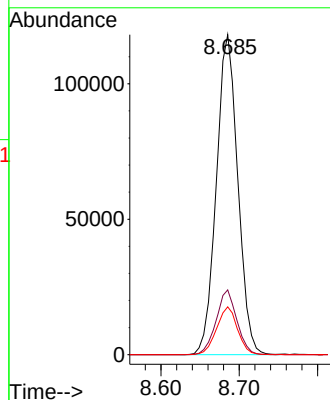
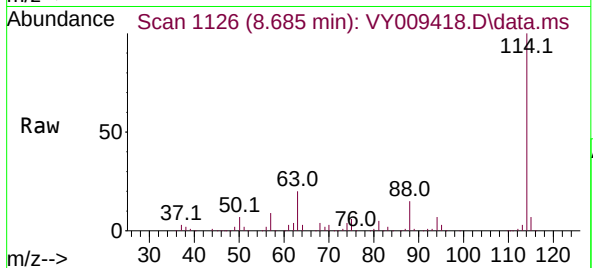
Tgt Ion:114 Resp: 224961

Ion Ratio Lower Upper

114 100

63 20.3 0.0 43.2

88 14.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 43.301 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009418.D

Acq: 01 Jul 2022 13:33

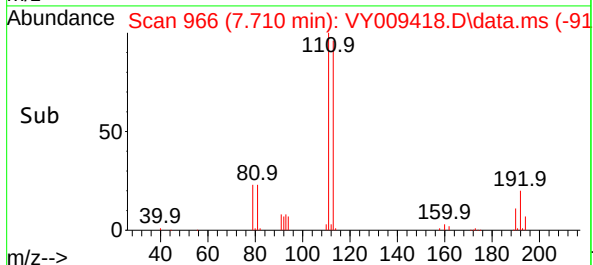
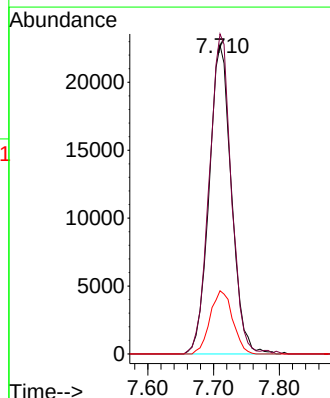
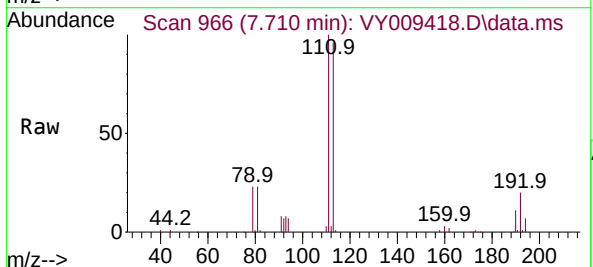
Tgt Ion:113 Resp: 53612

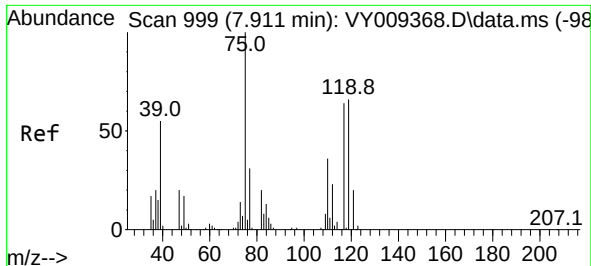
Ion Ratio Lower Upper

113 100

111 102.2 82.6 124.0

192 20.7 17.6 26.4

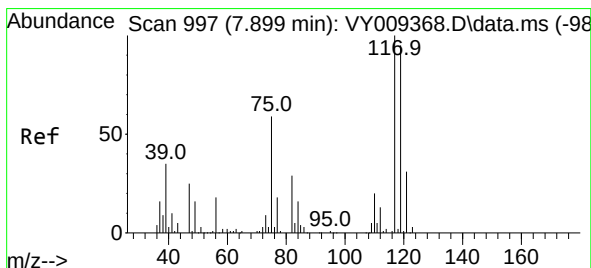
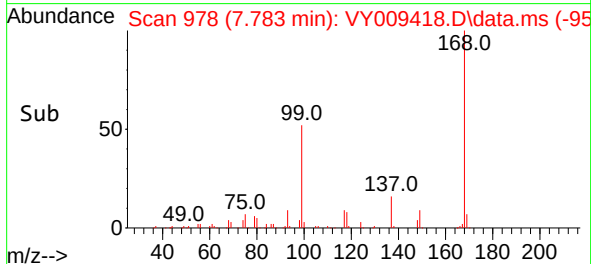
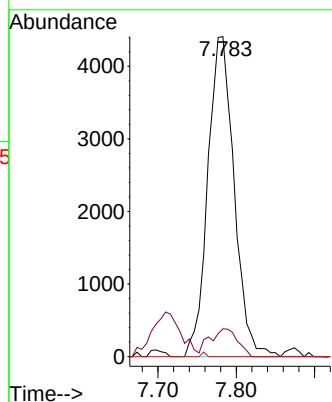
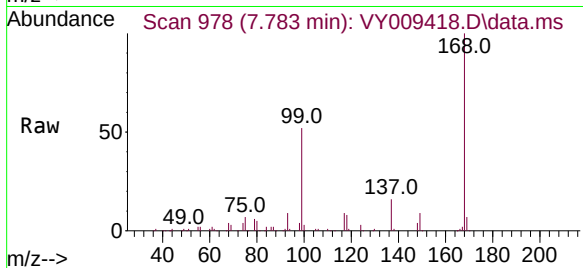




#36
 1,1-Dichloropropene
 Concen: 4.752 ug/l
 RT: 7.783 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY009418.D
 Acq: 01 Jul 2022 13:33

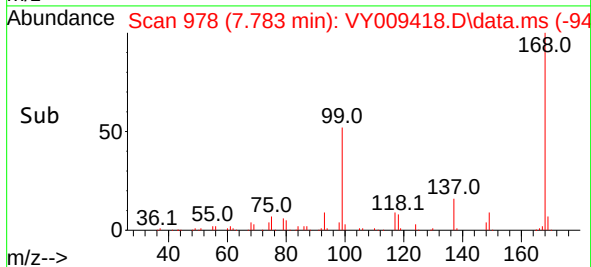
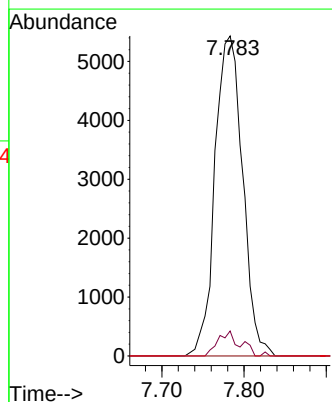
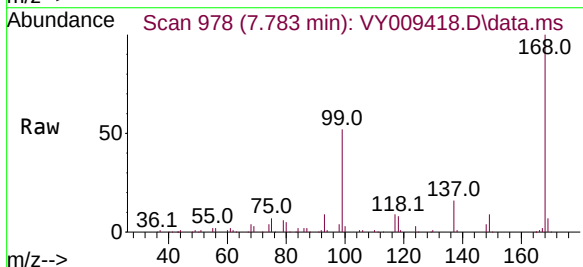
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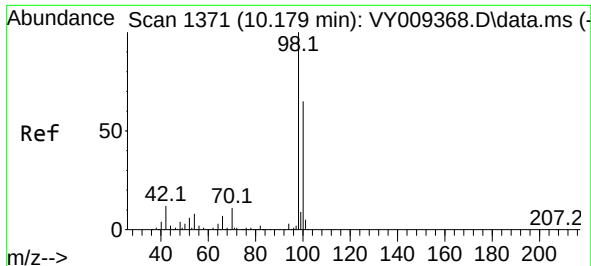
Tgt Ion: 75 Resp: 10288
 Ion Ratio Lower Upper
 75 100
 110 9.2 17.1 51.2#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 5.608 ug/l
 RT: 7.783 min Scan# 978
 Delta R.T. -0.110 min
 Lab File: VY009418.D
 Acq: 01 Jul 2022 13:33

Tgt Ion: 117 Resp: 12690
 Ion Ratio Lower Upper
 117 100
 119 7.8 77.9 116.9#
 121 0.0 24.8 37.2#

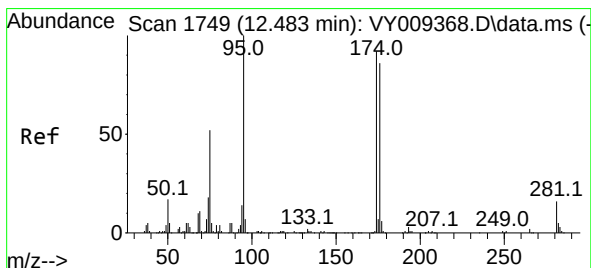
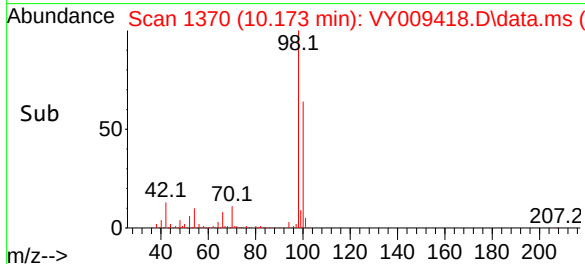
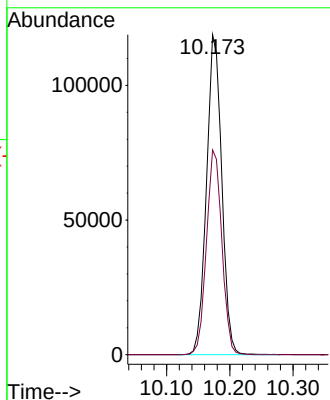
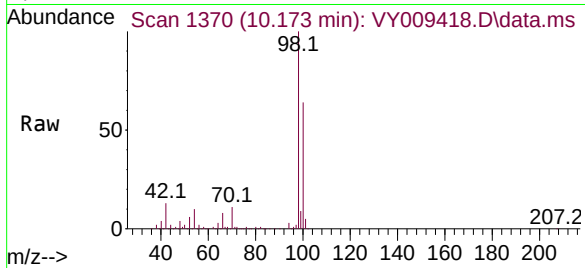




#50
Toluene-d8
Concen: 52.493 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY009418.D
Acq: 01 Jul 2022 13:33

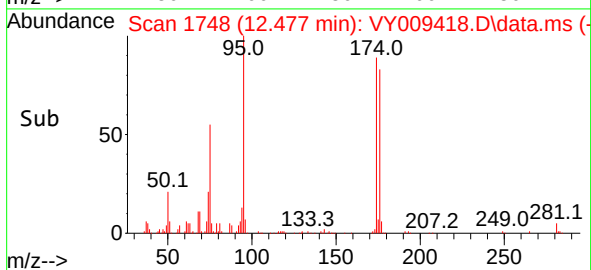
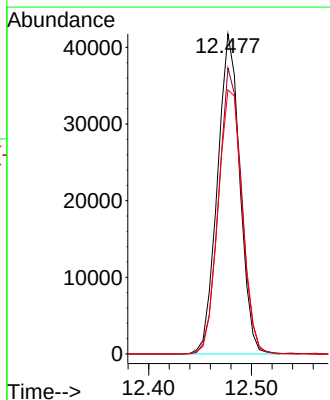
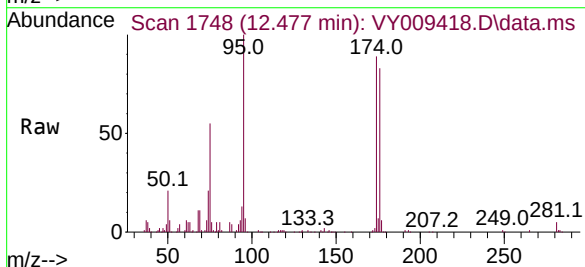
Instrument :
MSVOA_Y
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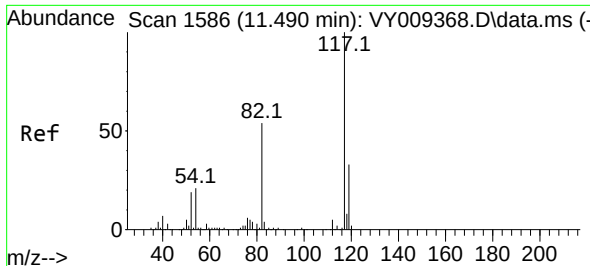
Tgt Ion: 98 Resp: 199271
Ion Ratio Lower Upper
98 100
100 64.6 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 35.077 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009418.D
Acq: 01 Jul 2022 13:33

Tgt Ion: 95 Resp: 63152
Ion Ratio Lower Upper
95 100
174 91.7 0.0 177.0
176 88.9 0.0 175.8

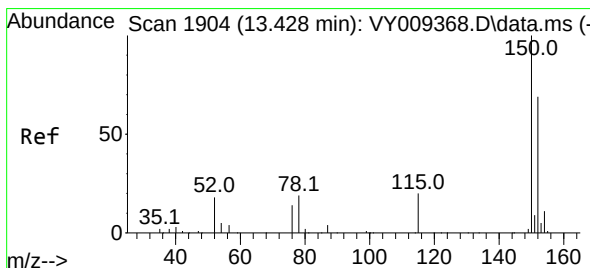
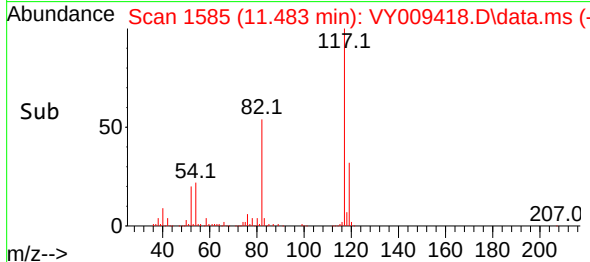
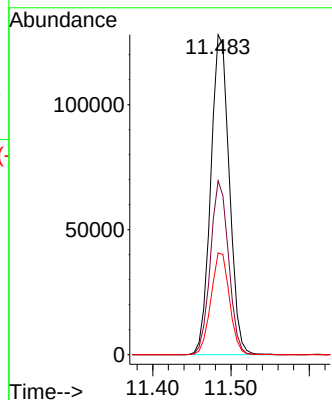
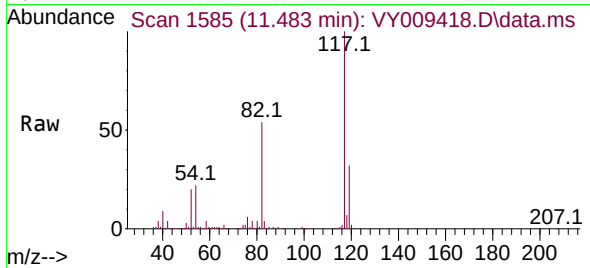




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY009418.D
Acq: 01 Jul 2022 13:33

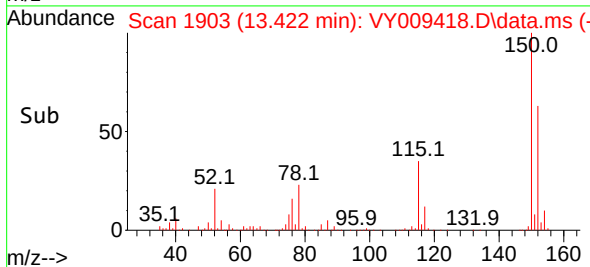
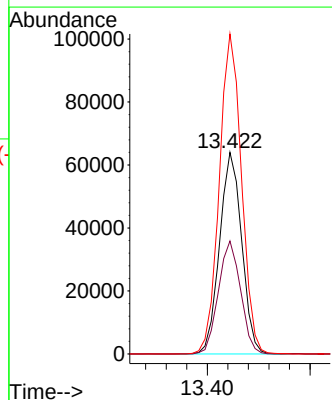
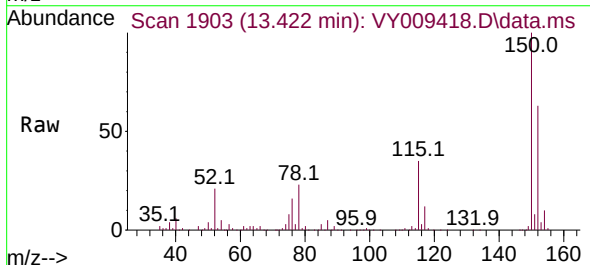
Instrument :
MSVOA_Y
ClientSampleId :
GS-3A

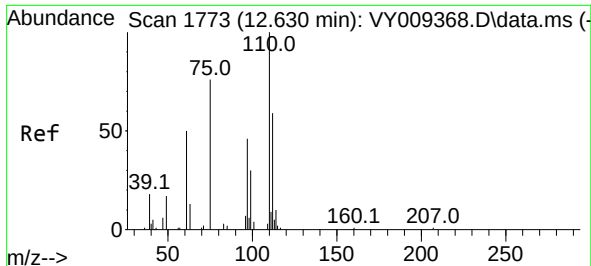
Tgt Ion:117 Resp: 210310
Ion Ratio Lower Upper
117 100
82 54.3 43.0 64.4
119 31.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY009418.D
Acq: 01 Jul 2022 13:33

Tgt Ion:152 Resp: 95496
Ion Ratio Lower Upper
152 100
115 56.3 28.2 84.7
150 159.3 0.0 347.6

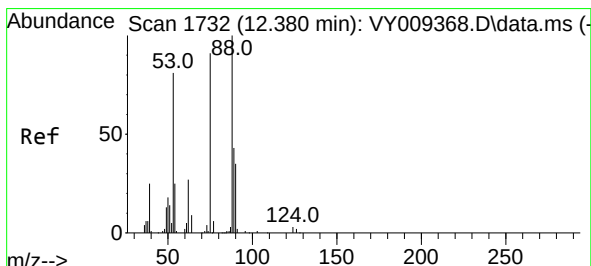
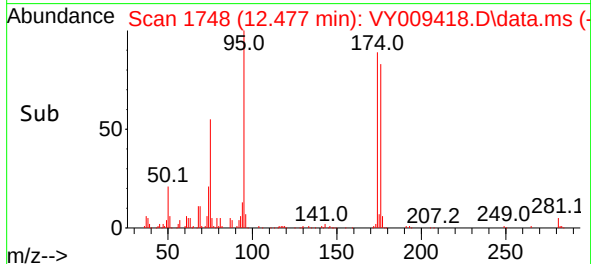
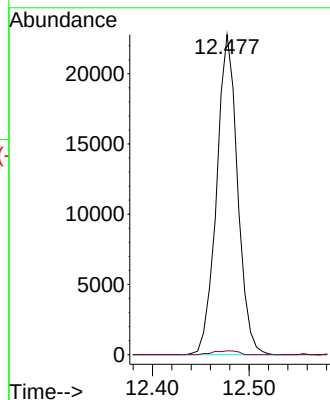
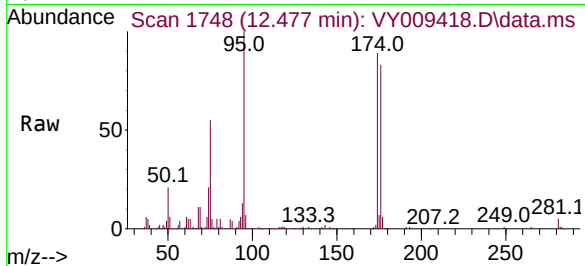




#76
1,2,3-Trichloropropane
Concen: 30.646 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY009418.D
Acq: 01 Jul 2022 13:33

Instrument :
MSVOA_Y
ClientSampleId :
GS-3A

Tgt Ion: 75 Resp: 34273
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.234 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY009418.D
Acq: 01 Jul 2022 13:33

Tgt Ion: 75 Resp: 34273
Ion Ratio Lower Upper
75 100
53 0.2 85.3 127.9#
89 0.2 37.0 55.4#

