

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051822\
 Data File : VY008812.D
 Acq On : 18 May 2022 14:33
 Operator : KP/MD
 Sample : N2869-04
 Misc : 5.44g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P027-SS003-0006-01

Quant Time: May 19 03:10:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 07:32:50 2022
 Response via : Initial Calibration

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

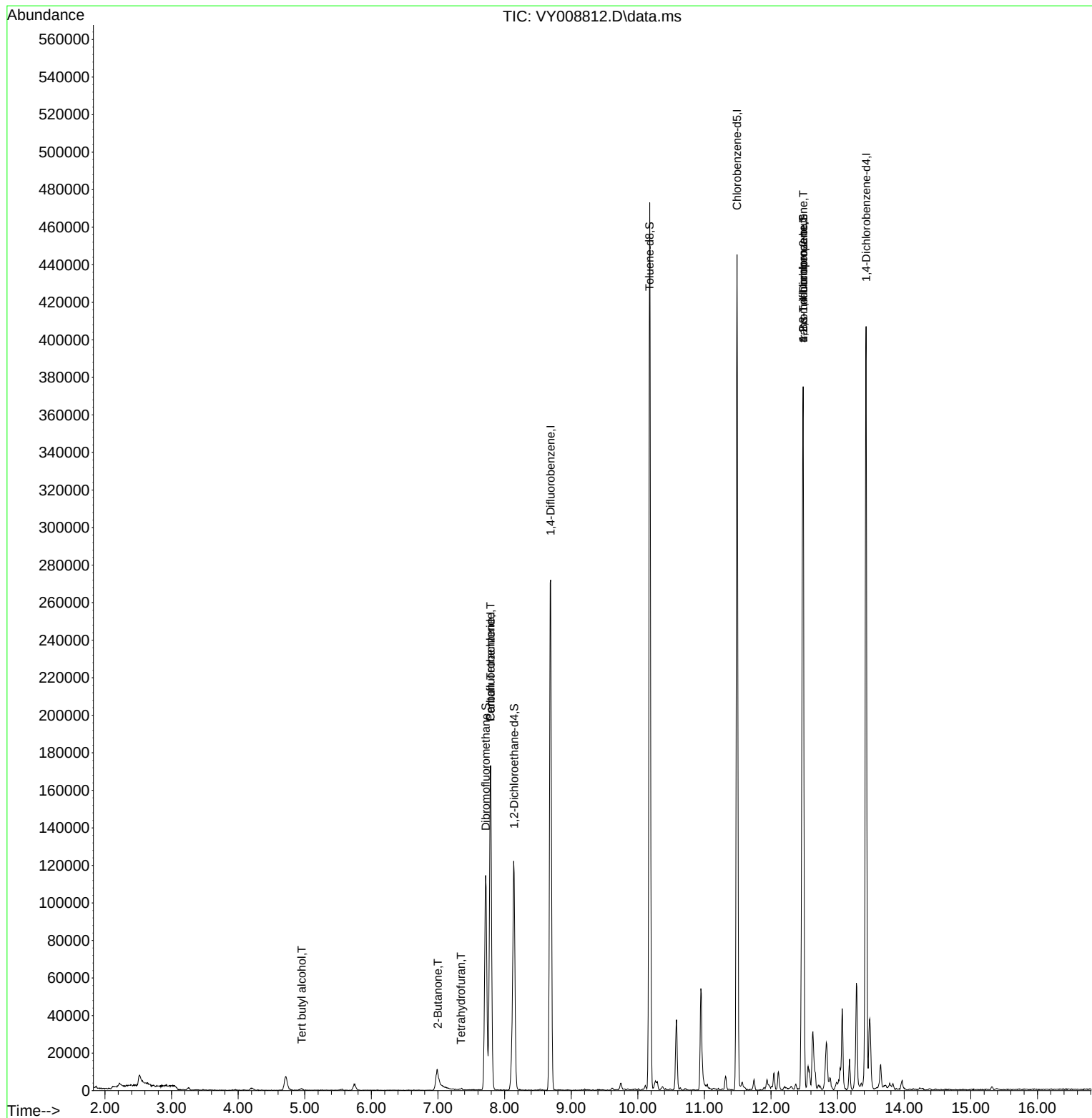
Internal Standards						
1) Pentafluorobenzene	7.789	168	131140	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	233426	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	227217	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	100491	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	82869	68.116	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	136.240%
35) Dibromofluoromethane	7.716	113	76764	56.284	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	112.560%
50) Toluene-d8	10.179	98	291087	48.142	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.280%
62) 4-Bromofluorobenzene	12.483	95	91805	42.962	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	85.920%
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	170	Below Cal	#	67
4) Vinyl Chloride	2.253	62	94	Below Cal	#	43
5) Bromomethane	2.644	94	97	Below Cal		97
6) Chloroethane	2.918	64	18	Below Cal	#	43
7) Trichlorofluoromethane	3.137	101	90	Below Cal	#	21
11) Tert butyl alcohol	4.954	59	1602	11.914	ug/l #	77
16) Acetone	3.960	43	354	Below Cal	#	85
18) Methyl Acetate	4.363	43	29	Below Cal	#	56
20) Methylene Chloride	4.722	84	5395	Below Cal	#	68
25) 2-Butanone	6.996	43	781	1.530	ug/l #	54
29) Tetrahydrofuran	7.344	42	401	1.179	ug/l #	53
31) Cyclohexane	7.783	56	3043	Below Cal	#	21
38) Carbon Tetrachloride	7.789	117	13261	5.665	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	52545	45.266	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	52545	99.009	ug/l #	7

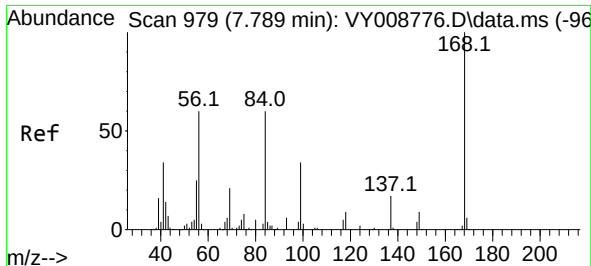
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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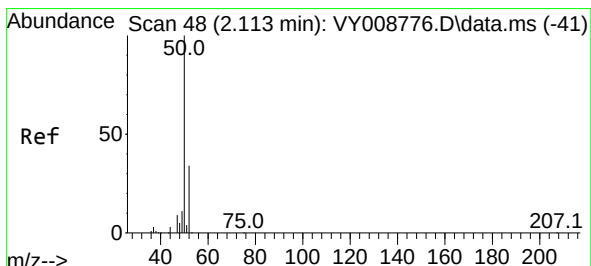
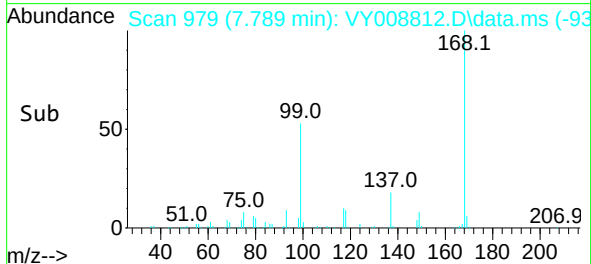
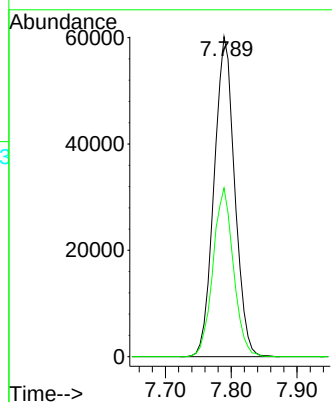
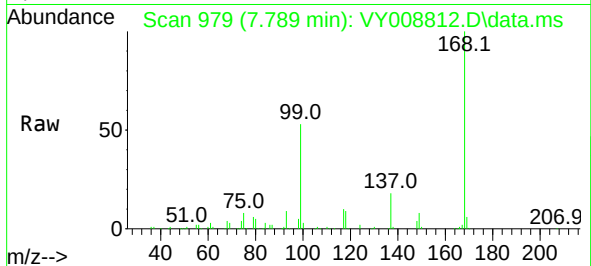




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008812.D
Acq: 18 May 2022 14:33

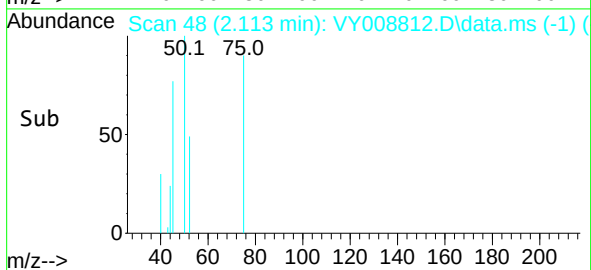
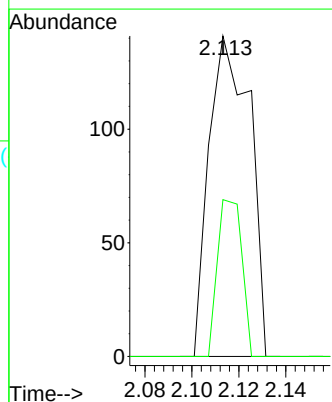
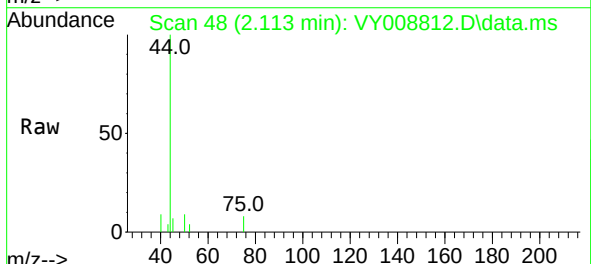
Instrument :
MSVOA_Y
ClientSampleId :
P027-SS003-0006-01

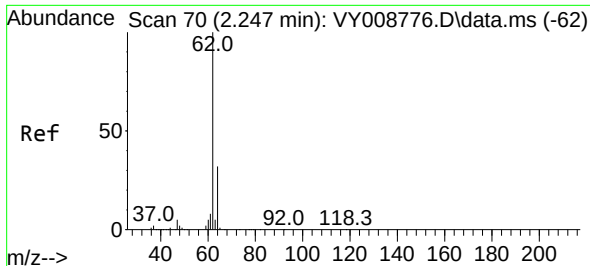
Tgt Ion:168 Resp: 131140
Ion Ratio Lower Upper
168 100
99 52.7 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY008812.D
Acq: 18 May 2022 14:33

Tgt Ion: 50 Resp: 170
Ion Ratio Lower Upper
50 100
52 48.9 24.6 37.0#

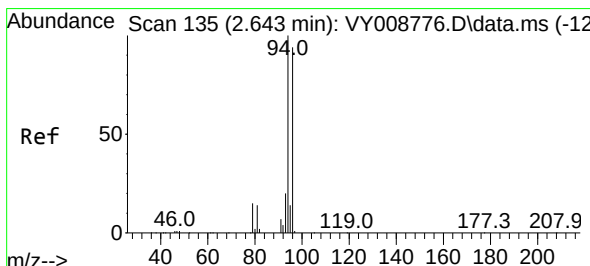
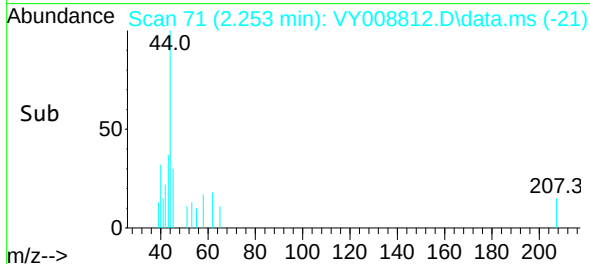
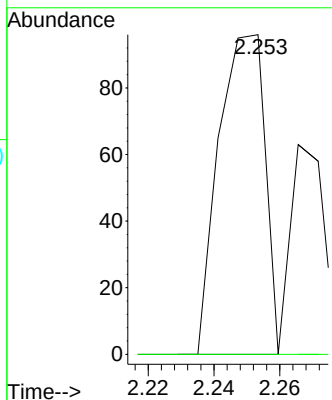
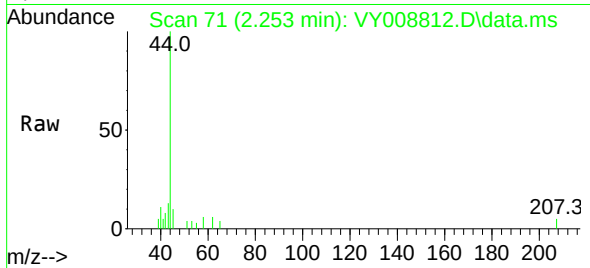




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.253 min Scan# 71
 Delta R.T. 0.006 min
 Lab File: VY008812.D
 Acq: 18 May 2022 14:33

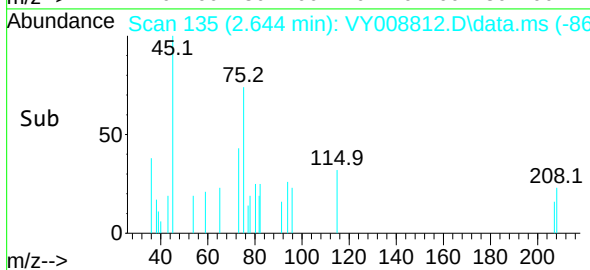
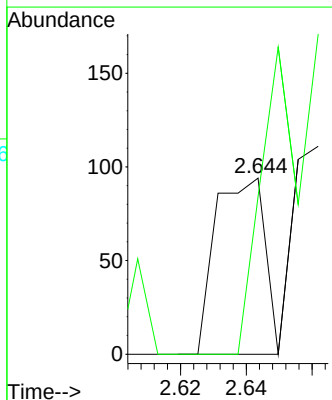
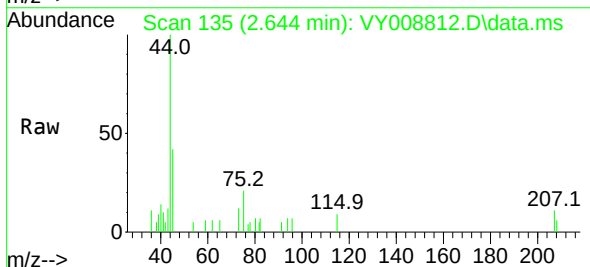
Instrument :
 MSVOA_Y
 ClientSampleId :
 P027-SS003-0006-01

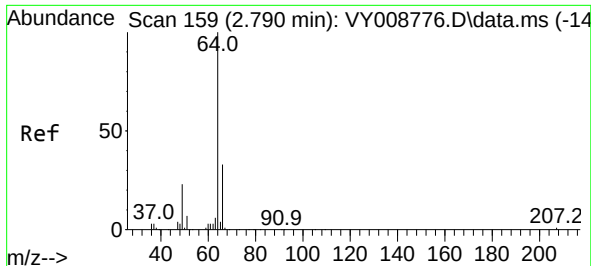
Tgt Ion: 62 Resp: 94
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.644 min Scan# 135
 Delta R.T. 0.001 min
 Lab File: VY008812.D
 Acq: 18 May 2022 14:33

Tgt Ion: 94 Resp: 97
 Ion Ratio Lower Upper
 94 100
 96 89.4 73.5 110.3

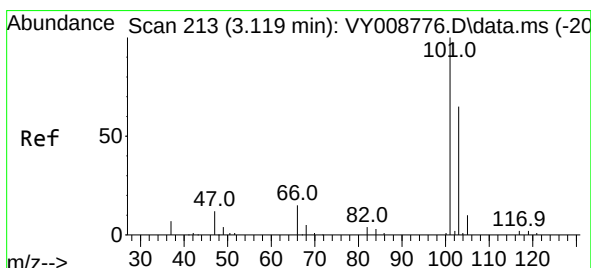
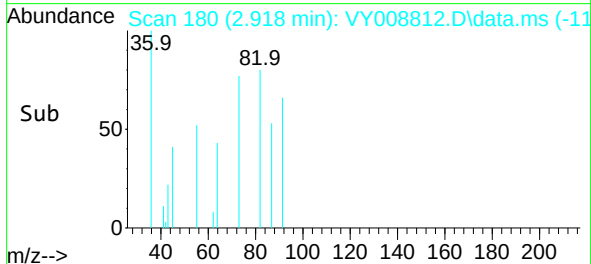
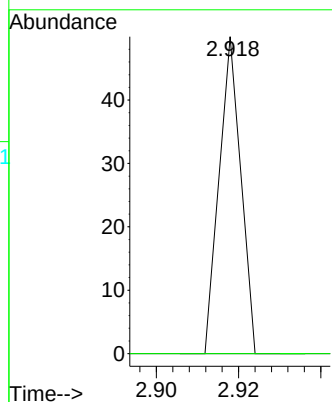
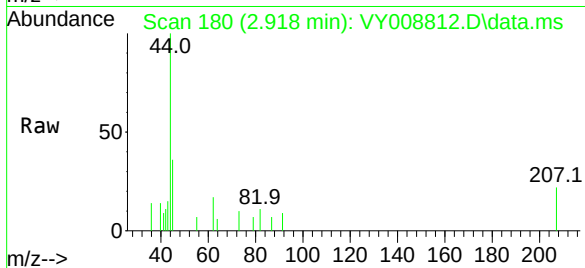




#6
Chloroethane
Concen: Below Cal
RT: 2.918 min Scan# 11
Delta R.T. 0.128 min
Lab File: VY008812.D
Acq: 18 May 2022 14:33

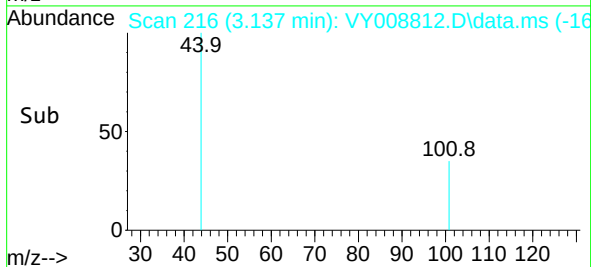
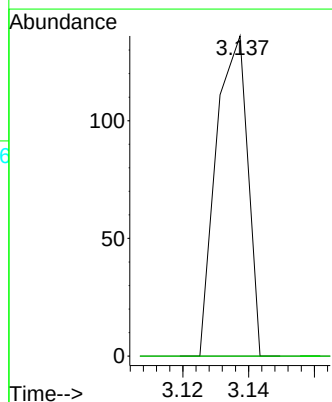
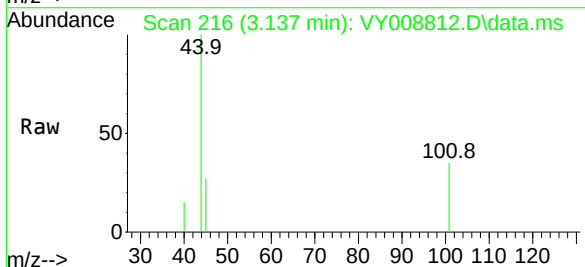
Instrument :
MSVOA_Y
ClientSampleId :
P027-SS003-0006-01

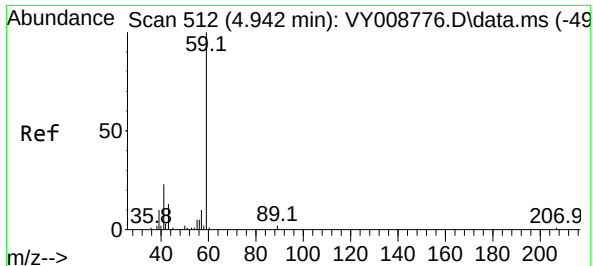
Tgt Ion: 64 Resp: 18
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.137 min Scan# 216
Delta R.T. 0.018 min
Lab File: VY008812.D
Acq: 18 May 2022 14:33

Tgt Ion:101 Resp: 90
Ion Ratio Lower Upper
101 100
103 0.0 48.0 72.0#

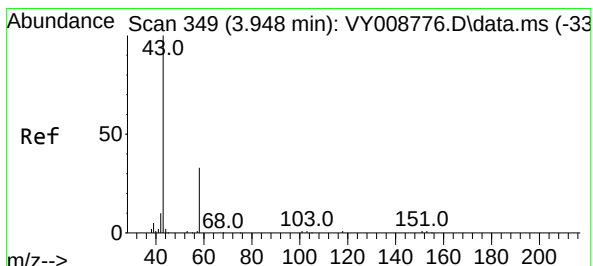
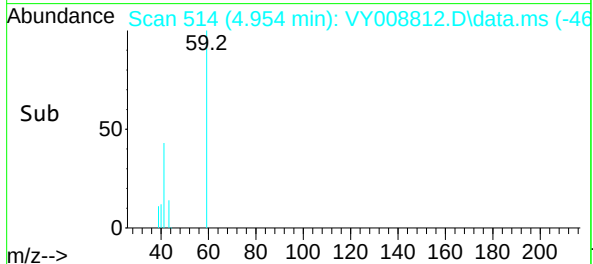
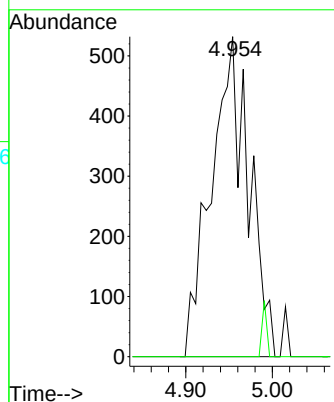
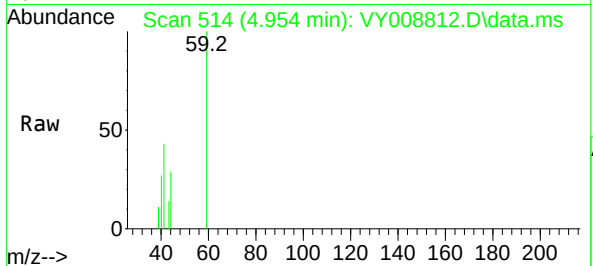




#11
Tert butyl alcohol
Concen: 11.914 ug/l
RT: 4.954 min Scan# 512
Delta R.T. 0.012 min
Lab File: VY008812.D
Acq: 18 May 2022 14:33

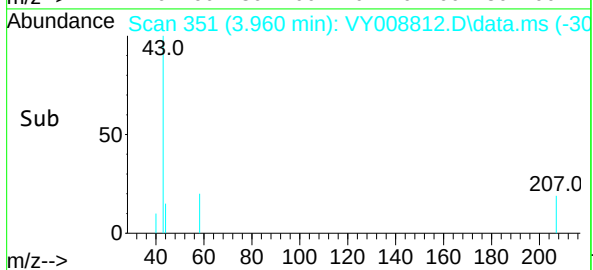
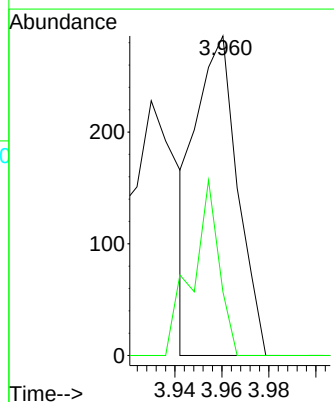
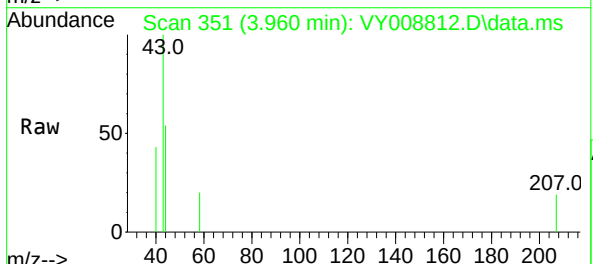
Instrument :
MSVOA_Y
ClientSampleId :
P027-SS003-0006-01

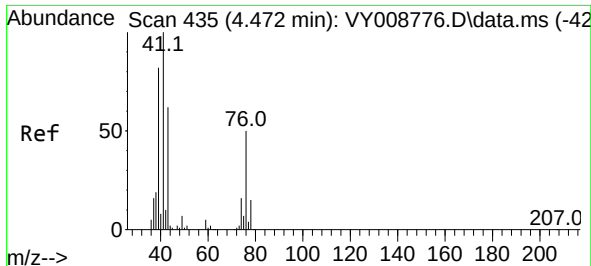
Tgt Ion: 59 Resp: 1602
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: Below Cal
RT: 3.960 min Scan# 351
Delta R.T. 0.012 min
Lab File: VY008812.D
Acq: 18 May 2022 14:33

Tgt Ion: 43 Resp: 354
Ion Ratio Lower Upper
43 100
58 19.9 22.0 33.0#

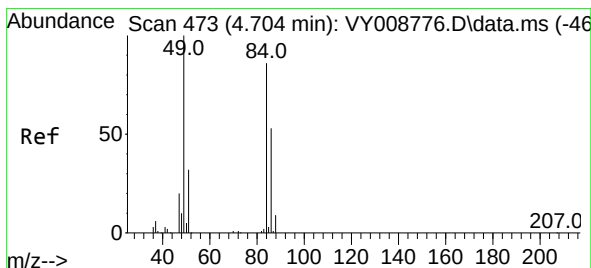
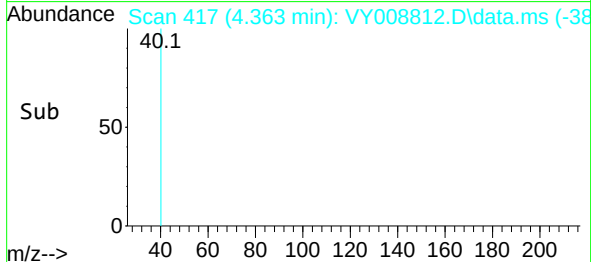
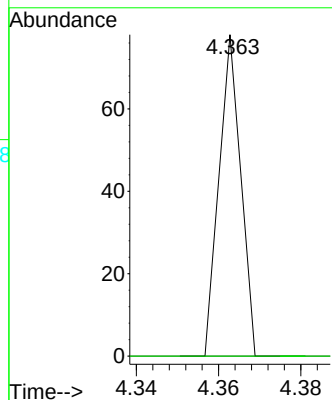
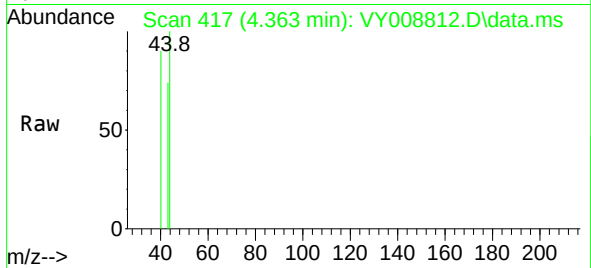




#18
Methyl Acetate
Concen: Below Cal
RT: 4.363 min Scan# 41
Delta R.T. -0.109 min
Lab File: VY008812.D
Acq: 18 May 2022 14:33

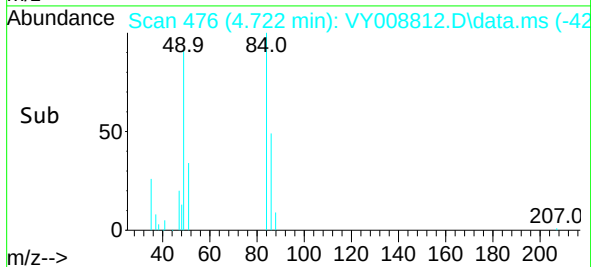
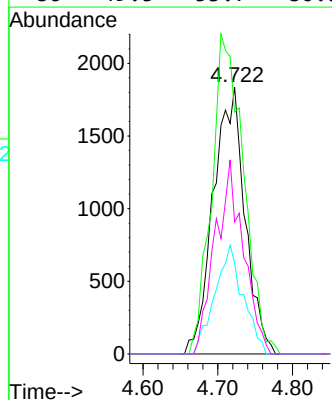
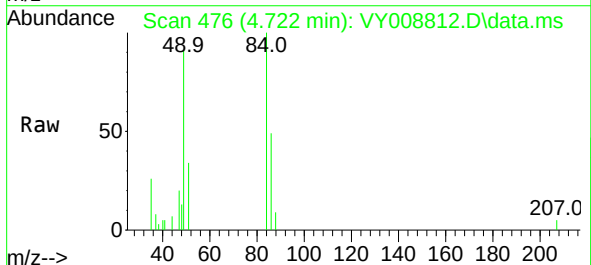
Instrument :
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ClientSampleId :
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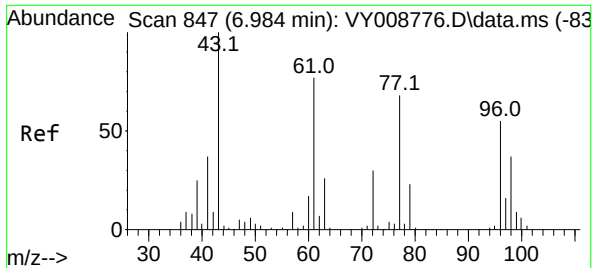
Tgt Ion: 43 Resp: 29
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 476
Delta R.T. 0.018 min
Lab File: VY008812.D
Acq: 18 May 2022 14:33

Tgt Ion: 84 Resp: 5395
Ion Ratio Lower Upper
84 100
49 90.6 114.4 171.6#
51 34.2 35.3 52.9#
86 49.5 53.7 80.5#

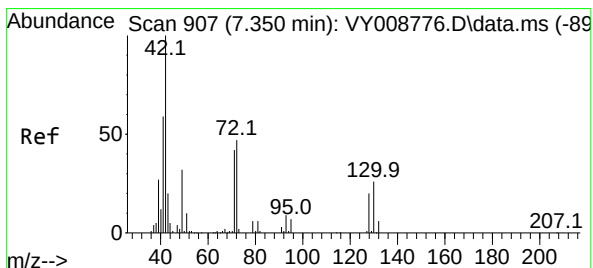
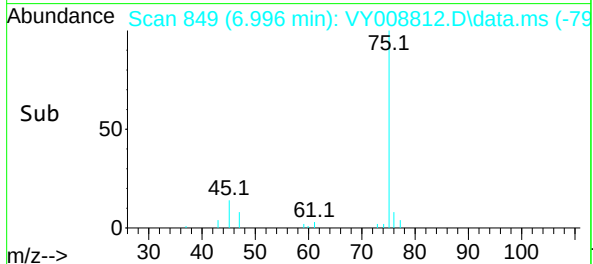
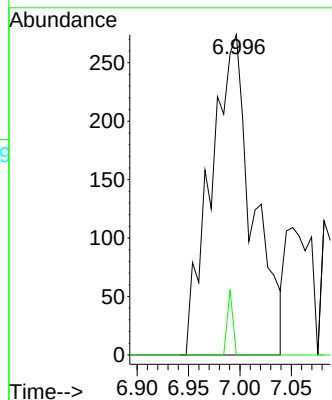
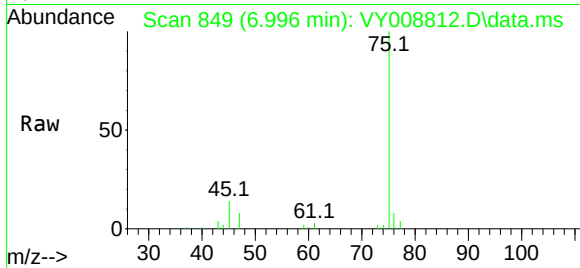




#25
2-Butanone
Concen: 1.530 ug/l
RT: 6.996 min Scan# 847
Delta R.T. 0.012 min
Lab File: VY008812.D
Acq: 18 May 2022 14:33

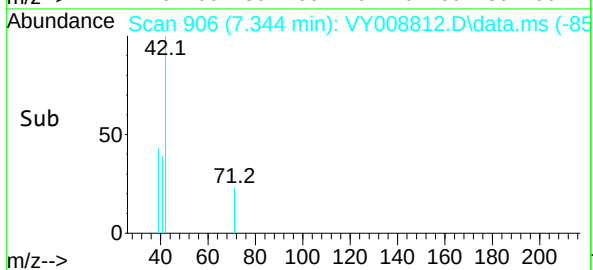
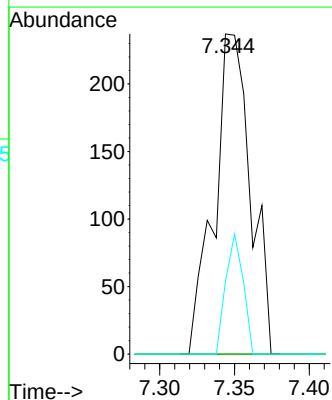
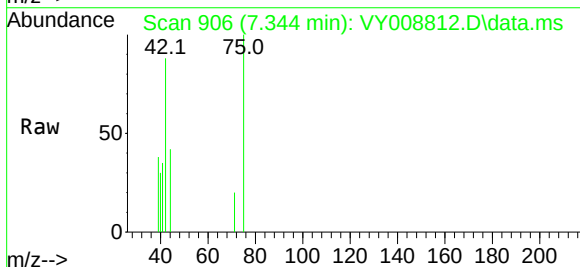
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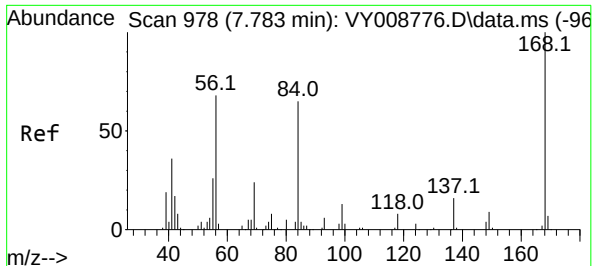
Tgt Ion: 43 Resp: 781
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#29
Tetrahydrofuran
Concen: 1.179 ug/l
RT: 7.344 min Scan# 906
Delta R.T. -0.006 min
Lab File: VY008812.D
Acq: 18 May 2022 14:33

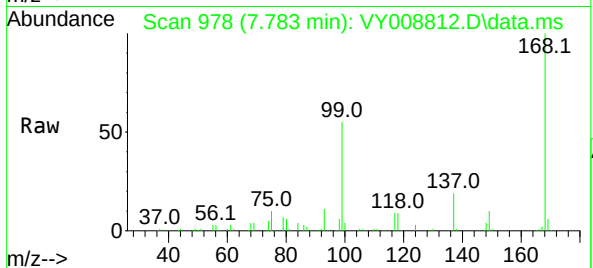
Tgt Ion: 42 Resp: 401
Ion Ratio Lower Upper
42 100
72 0.0 30.3 45.5#
71 18.0 29.0 43.4#



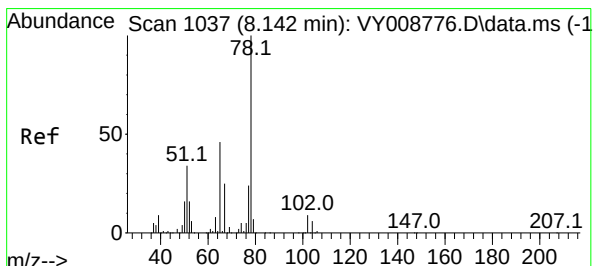
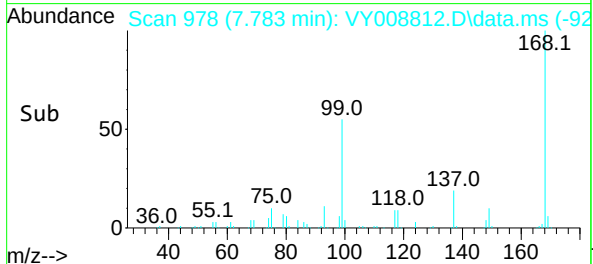
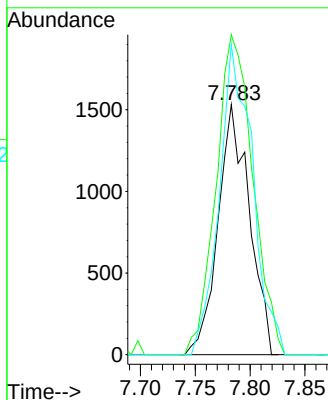


#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008812.D
Acq: 18 May 2022 14:33

Instrument :
MSVOA_Y
ClientSampleId :
P027-SS003-0006-01

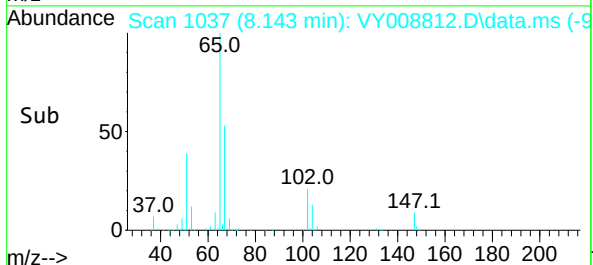
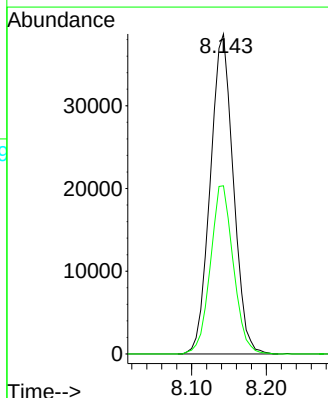
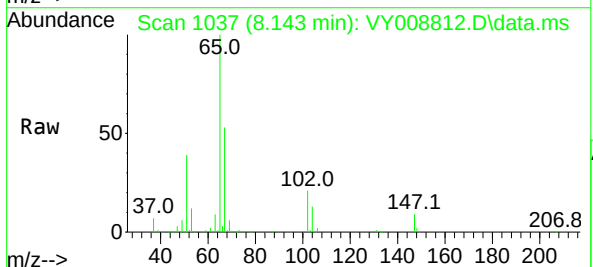


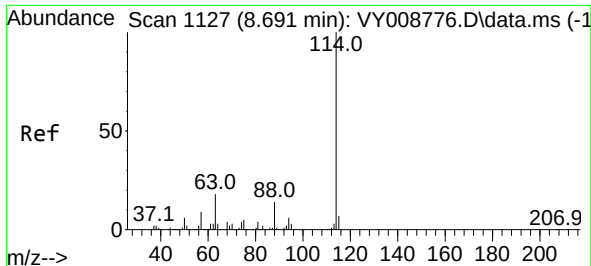
Tgt Ion: 56 Resp: 3043
Ion Ratio Lower Upper
56 100
69 127.9 26.7 40.1#
84 124.0 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 68.116 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY008812.D
Acq: 18 May 2022 14:33

Tgt Ion: 65 Resp: 82869
Ion Ratio Lower Upper
65 100
67 52.5 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: VY008812.D

Acq: 18 May 2022 14:33

Instrument :

MSVOA_Y

ClientSampleId :

P027-SS003-0006-01

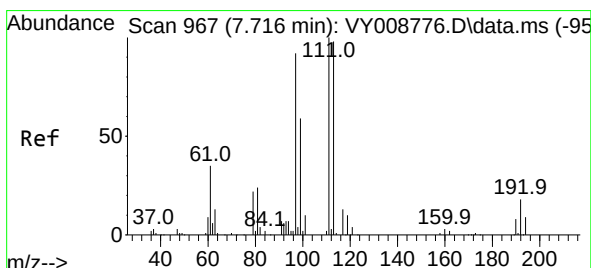
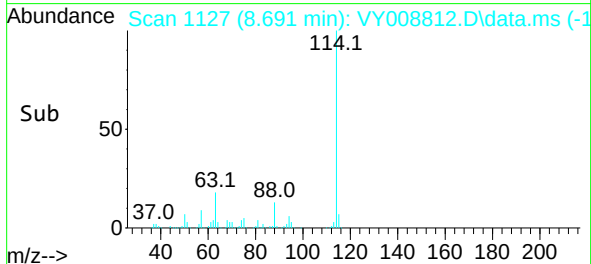
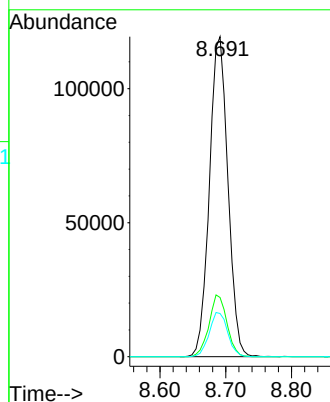
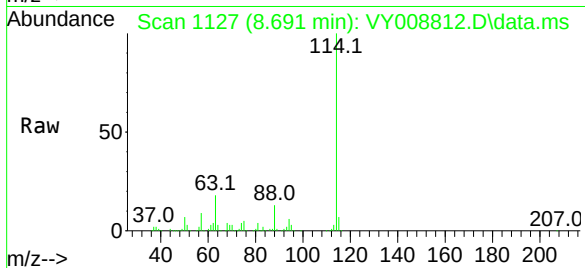
Tgt Ion:114 Resp: 233426

Ion Ratio Lower Upper

114 100

63 18.5 0.0 43.2

88 13.5 0.0 31.8



#35

Dibromofluoromethane

Concen: 56.284 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY008812.D

Acq: 18 May 2022 14:33

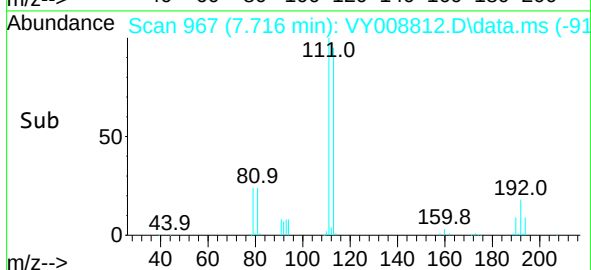
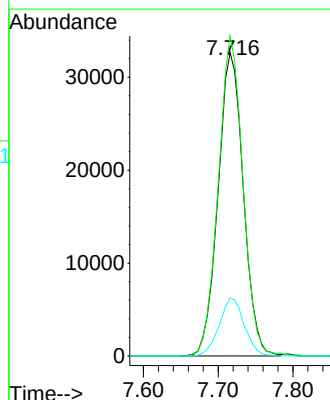
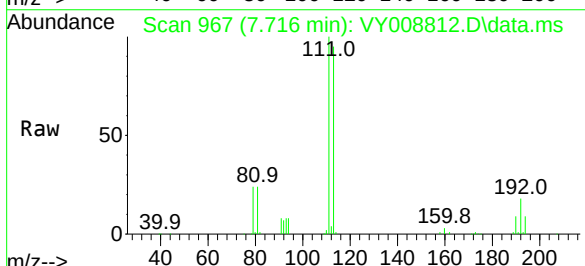
Tgt Ion:113 Resp: 76764

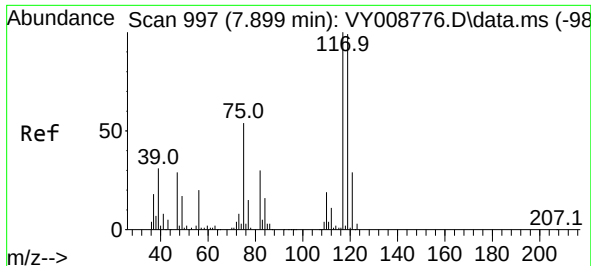
Ion Ratio Lower Upper

113 100

111 103.3 82.6 124.0

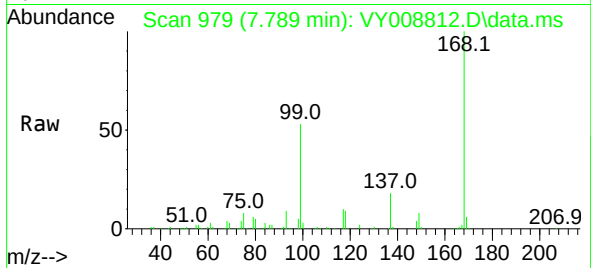
192 18.9 17.6 26.4



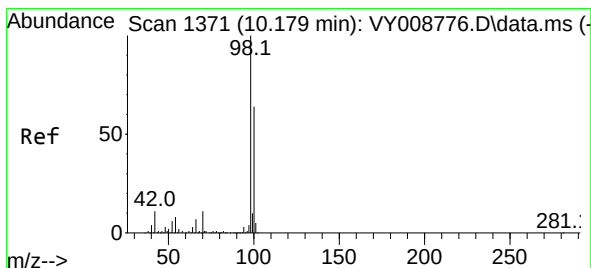
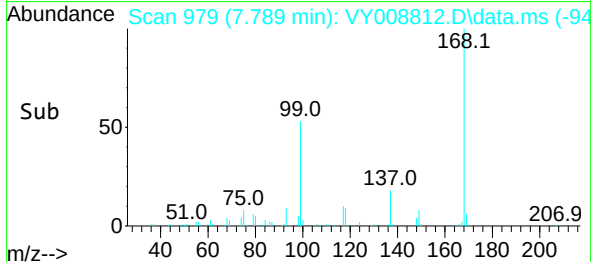
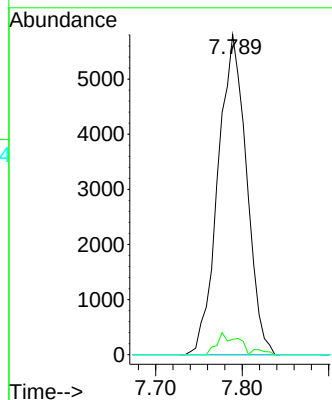


#38
Carbon Tetrachloride
Concen: 5.665 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY008812.D
Acq: 18 May 2022 14:33

Instrument :
MSVOA_Y
ClientSampleId :
P027-SS003-0006-01

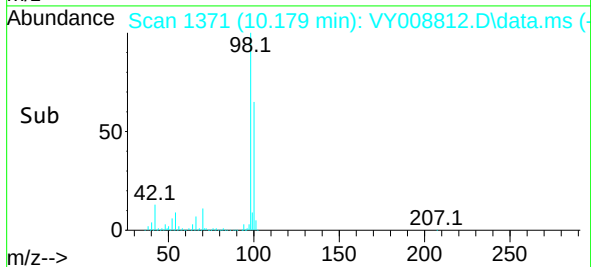
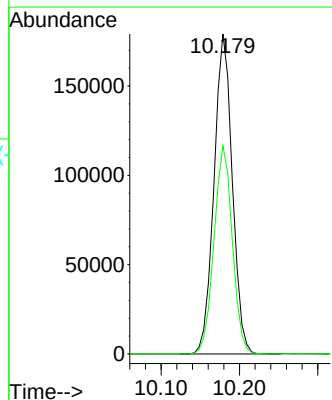
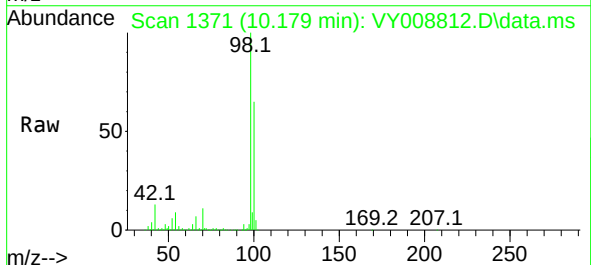


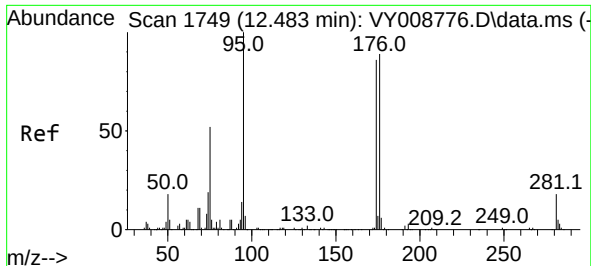
Tgt Ion:117 Resp: 13261
Ion Ratio Lower Upper
117 100
119 4.8 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 48.142 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008812.D
Acq: 18 May 2022 14:33

Tgt Ion: 98 Resp: 291087
Ion Ratio Lower Upper
98 100
100 65.0 50.2 75.2

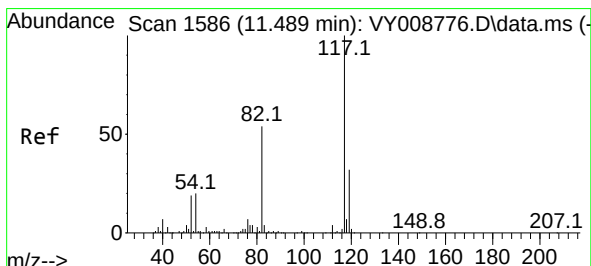
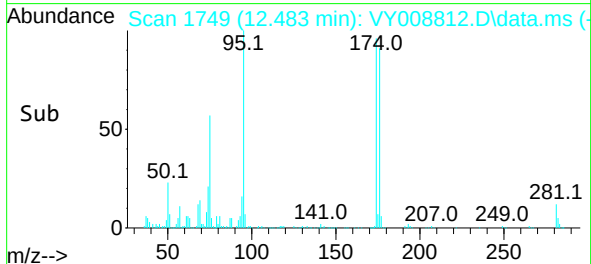
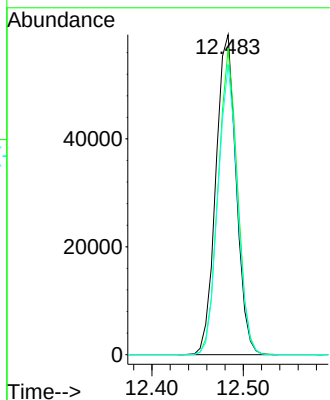
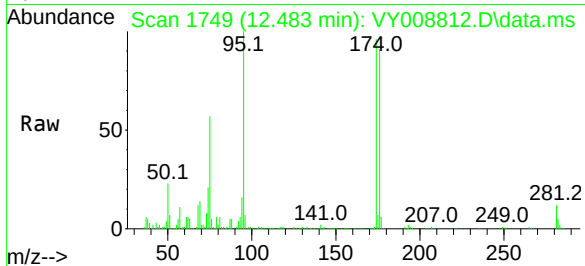




#62
4-Bromofluorobenzene
Concen: 42.962 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008812.D
Acq: 18 May 2022 14:33

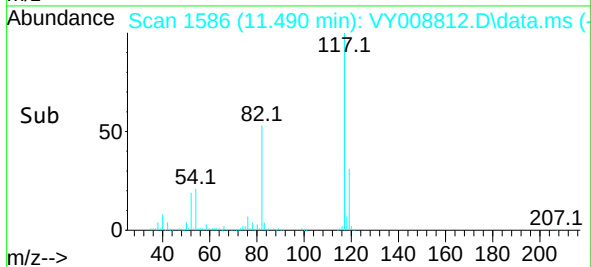
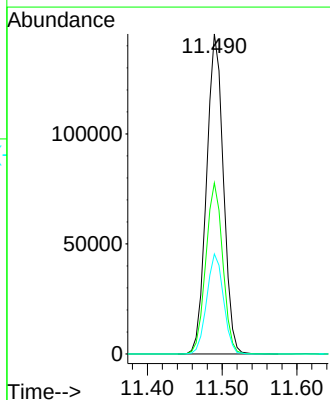
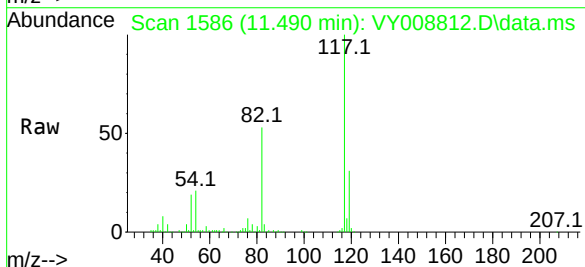
Instrument :
MSVOA_Y
ClientSampleId :
P027-SS003-0006-01

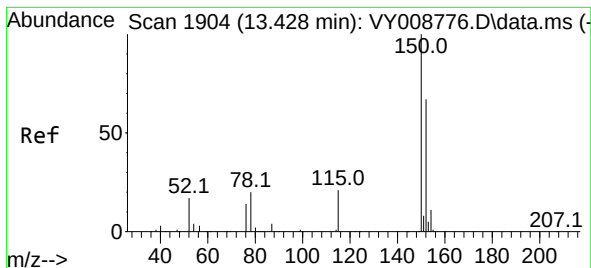
Tgt Ion:	95	Resp:	91805
Ion Ratio	Lower	Upper	
95	100		
174	91.1	0.0	177.0
176	86.8	0.0	175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY008812.D
Acq: 18 May 2022 14:33

Tgt Ion:	117	Resp:	227217
Ion Ratio	Lower	Upper	
117	100		
82	53.5	43.0	64.4
119	31.3	25.4	38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY008812.D

Acq: 18 May 2022 14:33

Instrument :

MSVOA_Y

ClientSampleId :

P027-SS003-0006-01

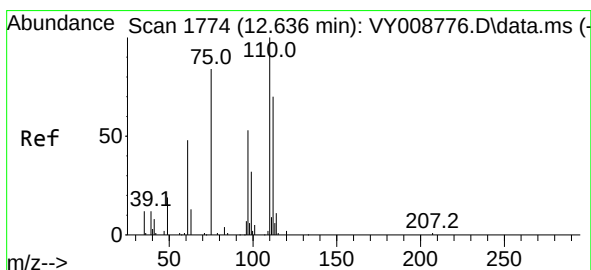
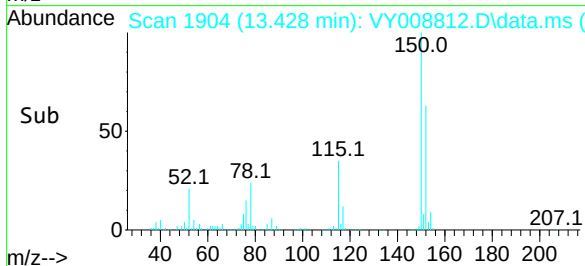
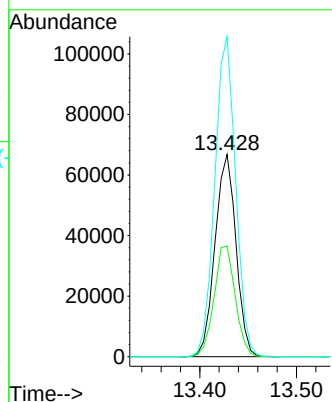
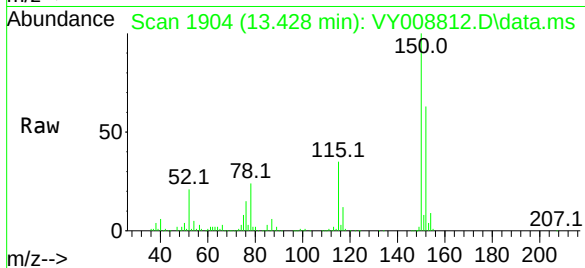
Tgt Ion:152 Resp: 100491

Ion Ratio Lower Upper

152 100

115 55.4 28.2 84.7

150 157.2 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 45.266 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY008812.D

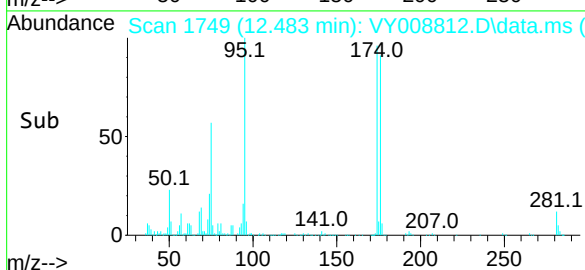
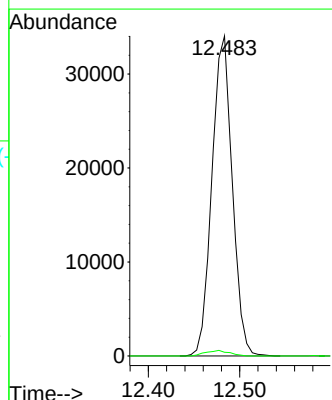
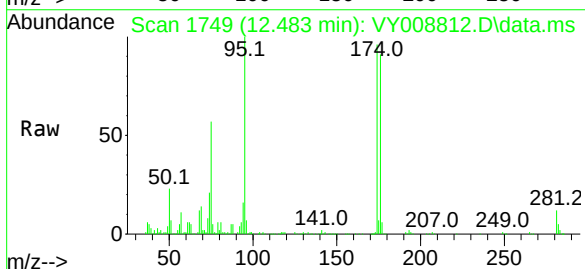
Acq: 18 May 2022 14:33

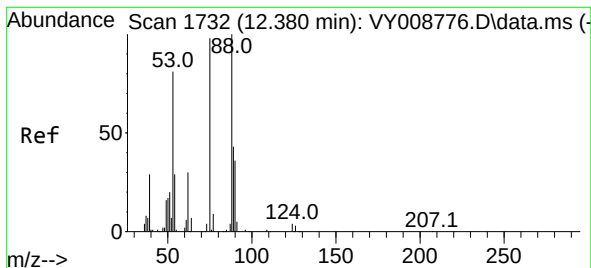
Tgt Ion: 75 Resp: 52545

Ion Ratio Lower Upper

75 100

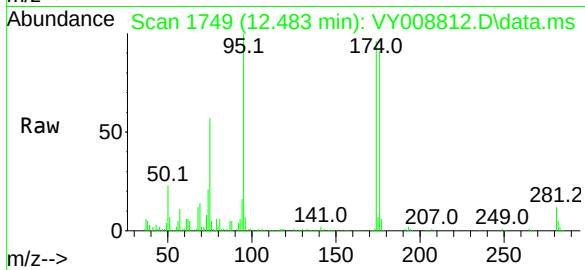
77 2.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.009 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY008812.D
 Acq: 18 May 2022 14:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 P027-SS003-0006-01



Tgt Ion: 75 Resp: 52545
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.3 37.0 55.4#

