

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051922\
 Data File : VY008880.D
 Acq On : 19 May 2022 20:05
 Operator : KP/MD
 Sample : N2868-16
 Misc : 5.44g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P022-SS002-0006-01

Quant Time: May 20 02:54:22 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)

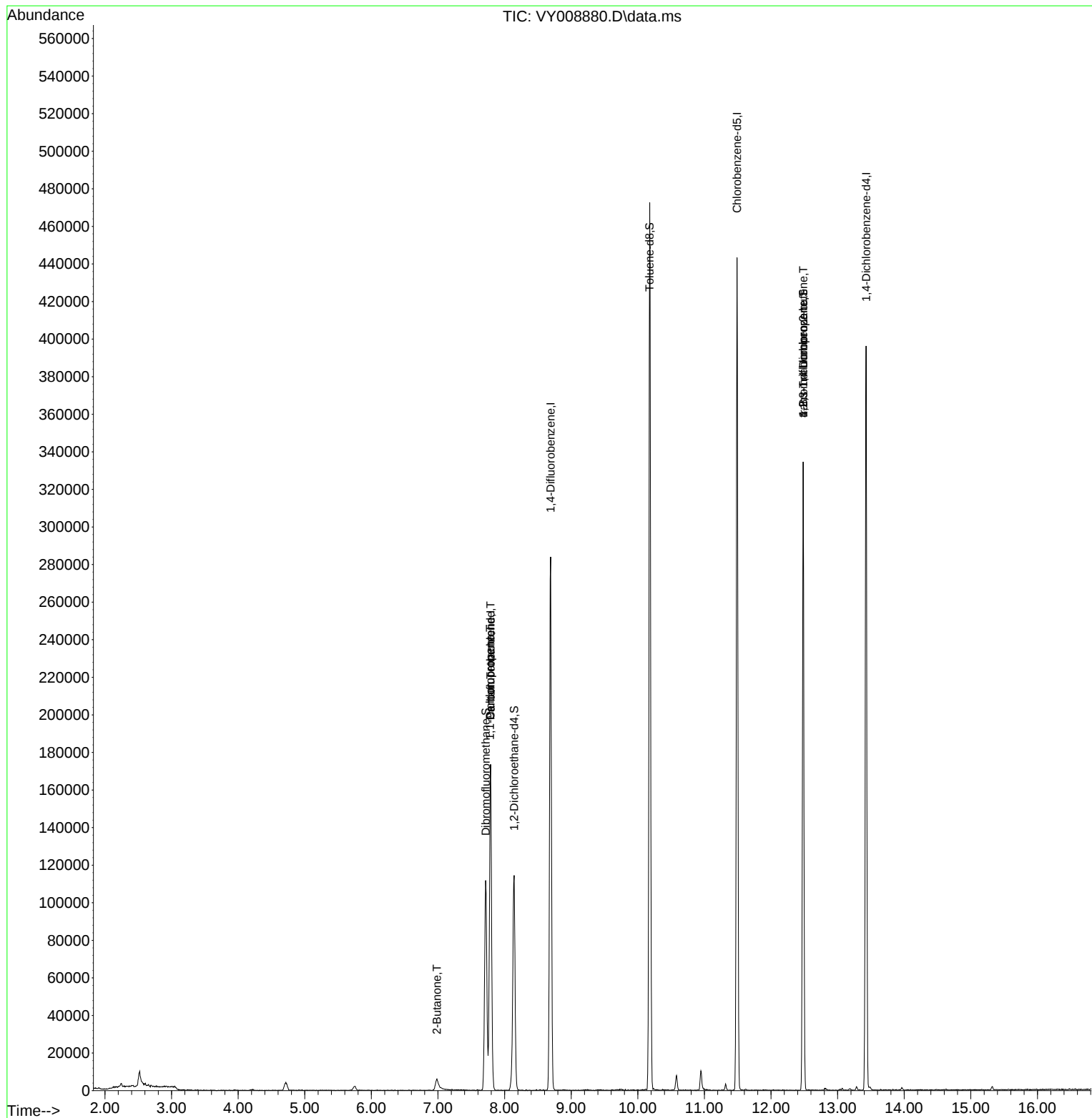
Internal Standards						
1) Pentafluorobenzene	7.789	168	129449	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	236897	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	224990	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	95885	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	83904	69.867	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 139.740%	
35) Dibromofluoromethane	7.716	113	77247	55.809	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.620%	
50) Toluene-d8	10.179	98	299772	48.805	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.600%	
62) 4-Bromofluorobenzene	12.483	95	85545	39.732	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 79.460%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	523	Below Cal		74
3) Chloromethane	2.107	50	97	Below Cal	#	44
4) Vinyl Chloride	2.265	62	22	Below Cal	#	43
5) Bromomethane	2.656	94	139	Below Cal	#	76
6) Chloroethane	2.723	64	20	Below Cal	#	43
7) Trichlorofluoromethane	3.119	101	57	Below Cal	#	21
16) Acetone	3.954	43	398	Below Cal	#	47
18) Methyl Acetate	4.734	43	31	Below Cal	#	56
20) Methylene Chloride	4.716	84	3279	Below Cal	#	88
25) 2-Butanone	6.984	43	523	1.038 ug/l	#	54
31) Cyclohexane	7.789	56	3280	Below Cal	#	26
36) 1,1-Dichloropropene	7.783	75	11036	4.978 ug/l	#	50
38) Carbon Tetrachloride	7.789	117	13385	5.634 ug/l	#	16
76) 1,2,3-Trichloropropane	12.483	75	48995	44.235 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	48995	96.754 ug/l	#	7

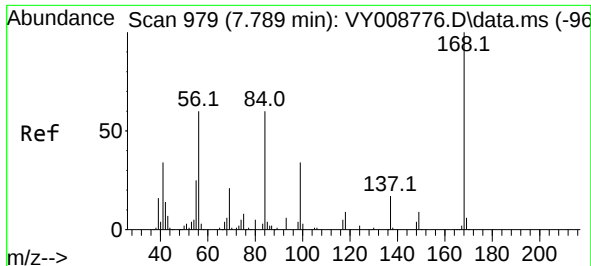
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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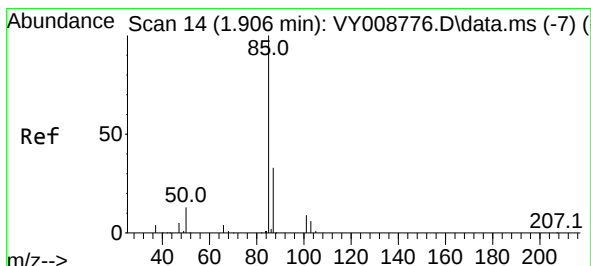
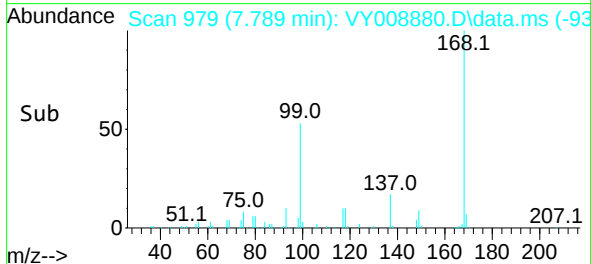
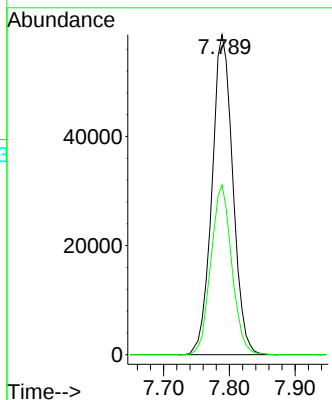
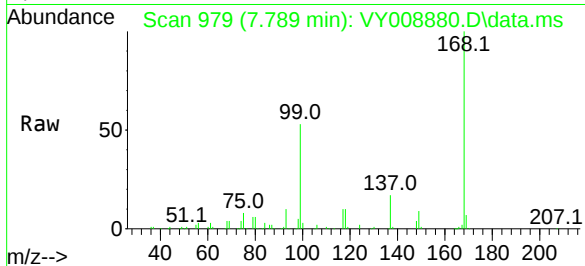




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008880.D
Acq: 19 May 2022 20:05

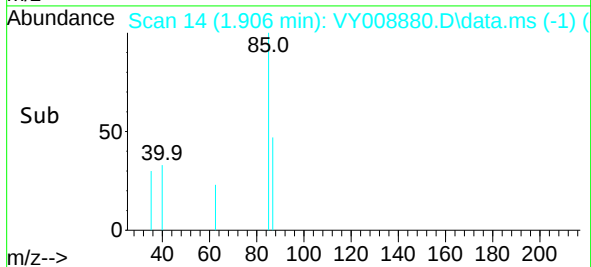
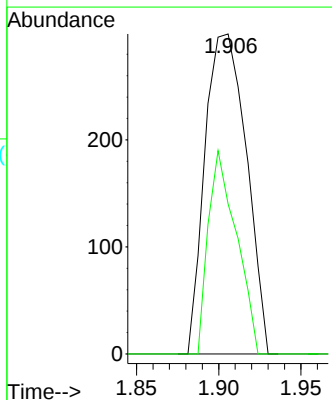
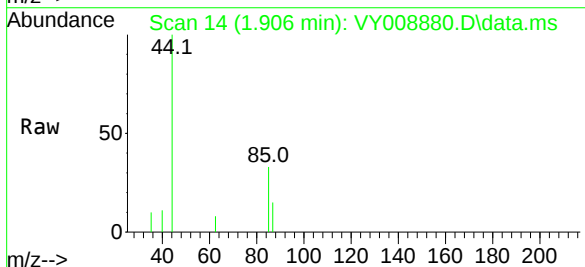
Instrument :
MSVOA_Y
ClientSampleId :
P022-SS002-0006-01

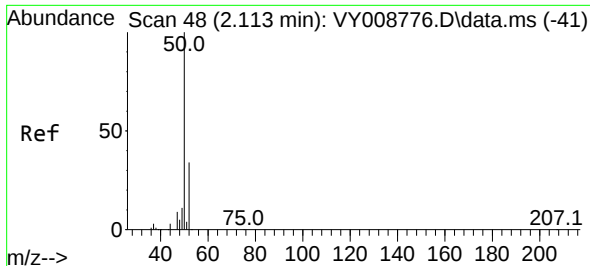
Tgt Ion:168 Resp: 129449
Ion Ratio Lower Upper
168 100
99 53.1 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY008880.D
Acq: 19 May 2022 20:05

Tgt Ion: 85 Resp: 523
Ion Ratio Lower Upper
85 100
87 46.8 16.1 48.2

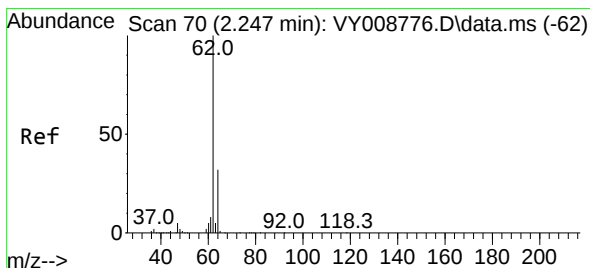
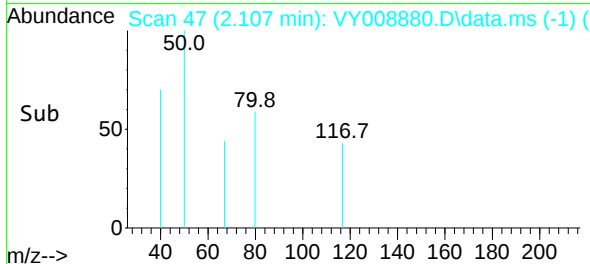
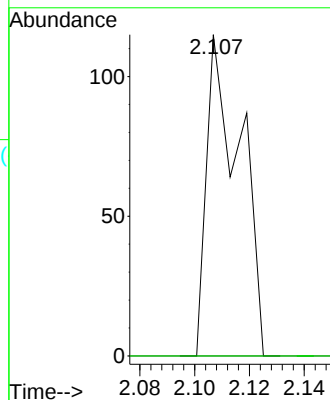
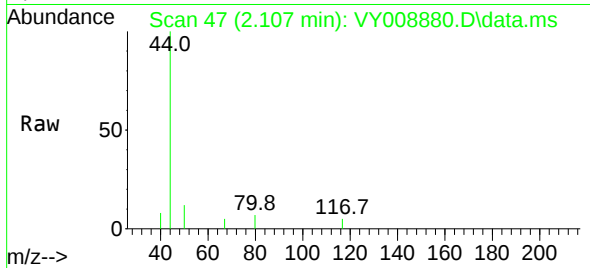




#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY008880.D
Acq: 19 May 2022 20:05

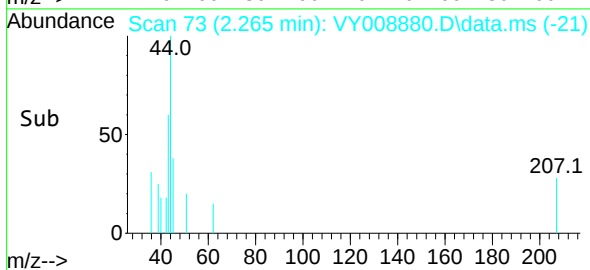
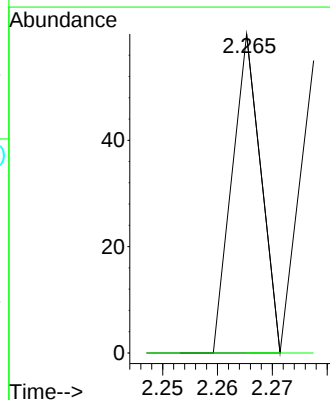
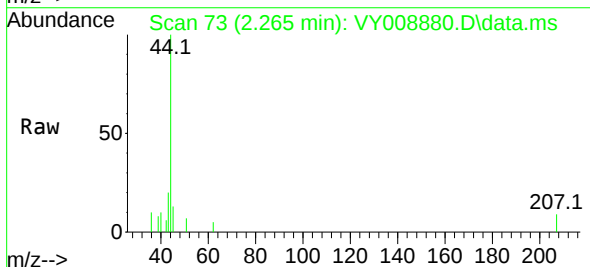
Instrument :
MSVOA_Y
ClientSampleId :
P022-SS002-0006-01

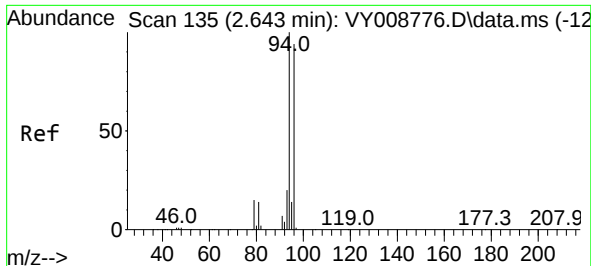
Tgt Ion: 50 Resp: 97
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.265 min Scan# 73
Delta R.T. 0.018 min
Lab File: VY008880.D
Acq: 19 May 2022 20:05

Tgt Ion: 62 Resp: 22
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

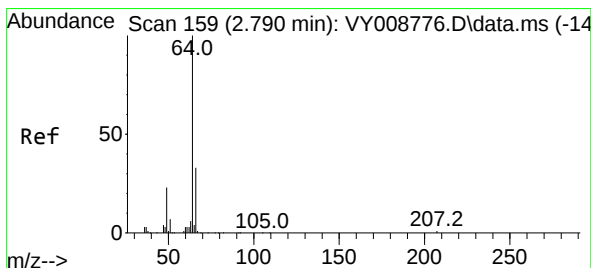
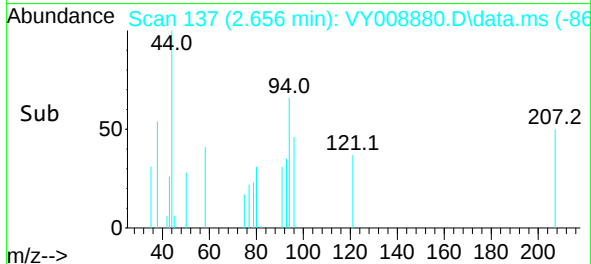
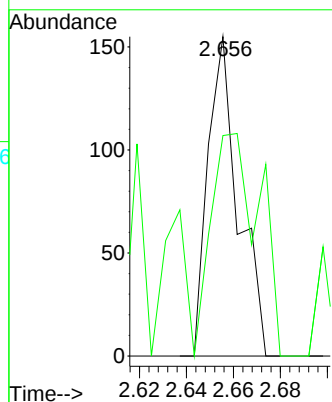
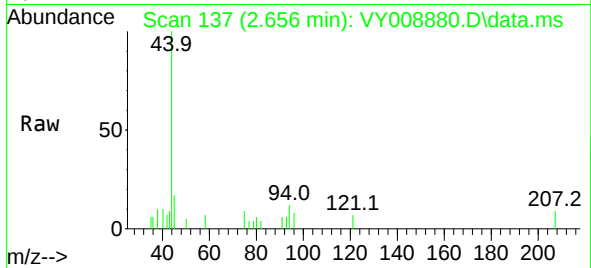




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY008880.D
Acq: 19 May 2022 20:05

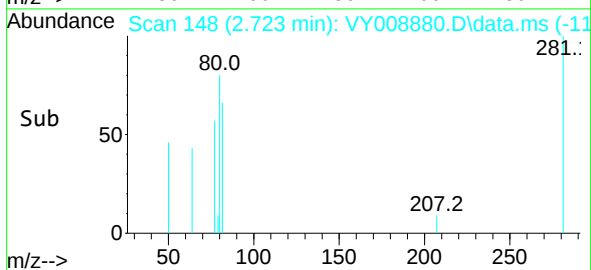
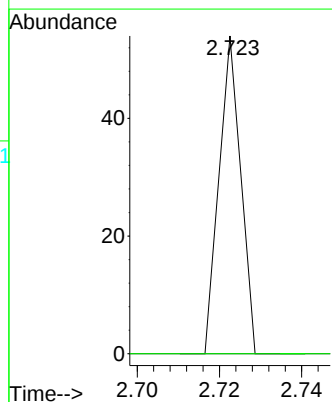
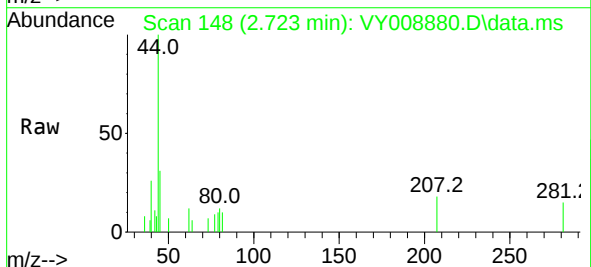
Instrument :
MSVOA_Y
ClientSampleId :
P022-SS002-0006-01

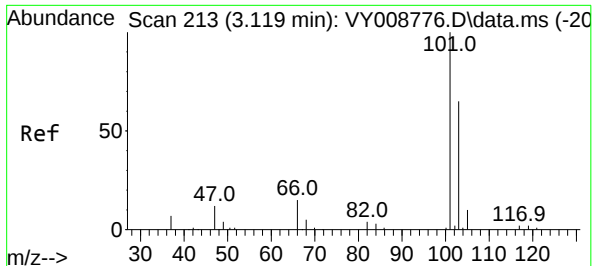
Tgt Ion: 94 Resp: 139
Ion Ratio Lower Upper
94 100
96 69.0 73.5 110.3#



#6
Chloroethane
Concen: Below Cal
RT: 2.723 min Scan# 148
Delta R.T. -0.067 min
Lab File: VY008880.D
Acq: 19 May 2022 20:05

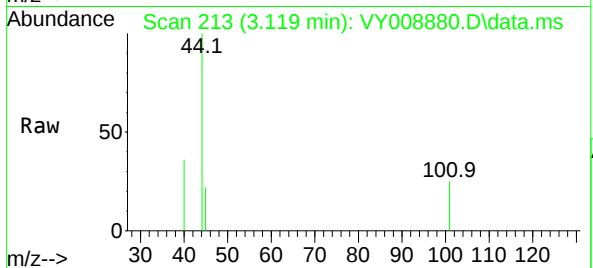
Tgt Ion: 64 Resp: 20
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



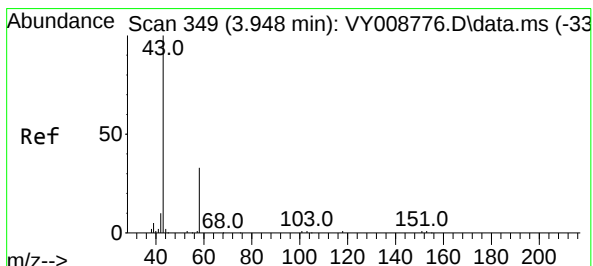
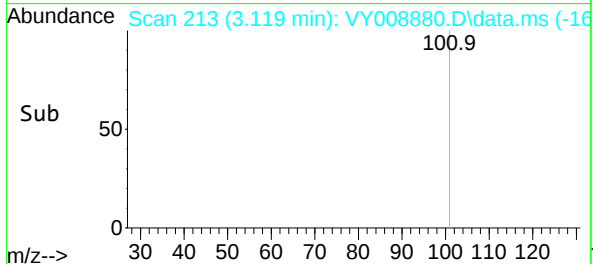
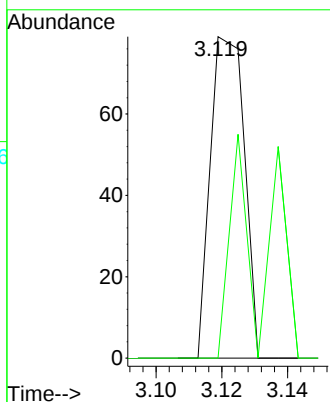


#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.119 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY008880.D
Acq: 19 May 2022 20:05

Instrument :
MSVOA_Y
ClientSampleId :
P022-SS002-0006-01

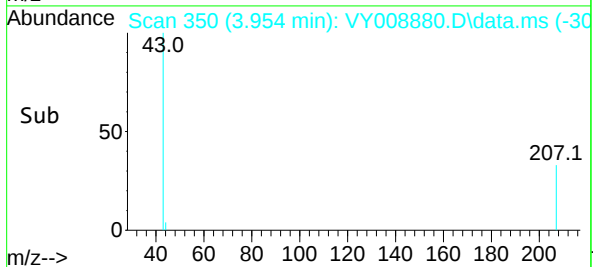
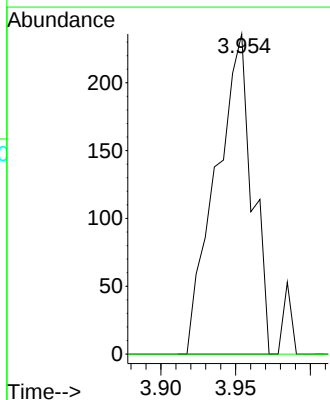
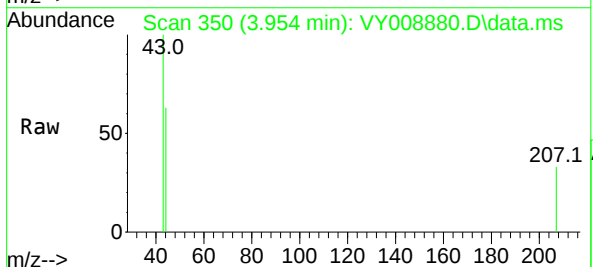


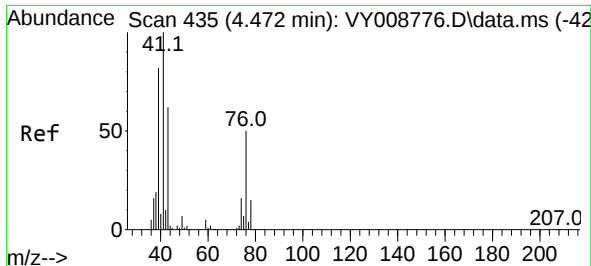
Tgt Ion:101 Resp: 57
Ion Ratio Lower Upper
101 100
103 0.0 48.0 72.0#



#16
Acetone
Concen: Below Cal
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY008880.D
Acq: 19 May 2022 20:05

Tgt Ion: 43 Resp: 398
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#

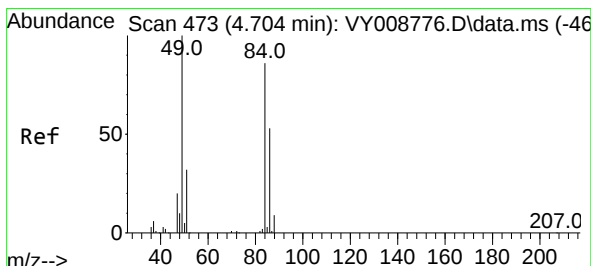
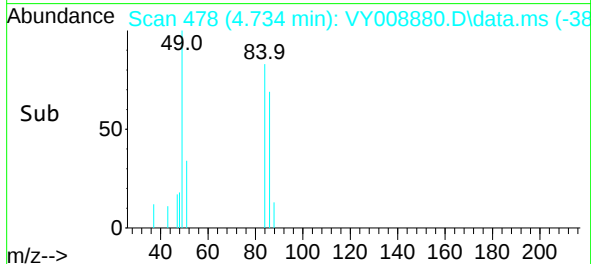
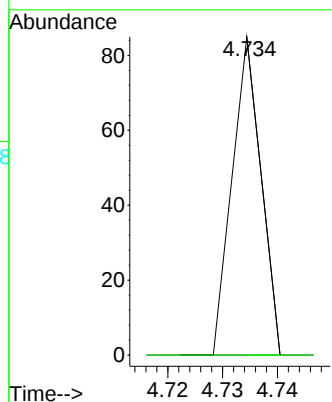
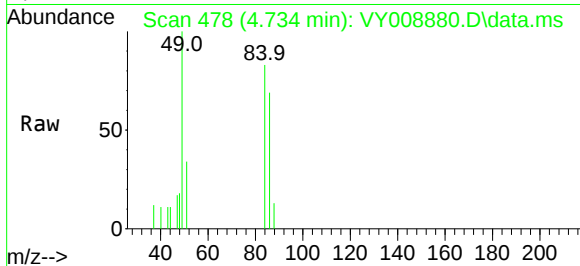




#18
Methyl Acetate
Concen: Below Cal
RT: 4.734 min Scan# 41
Delta R.T. 0.262 min
Lab File: VY008880.D
Acq: 19 May 2022 20:05

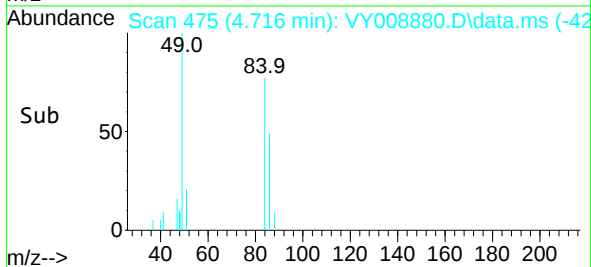
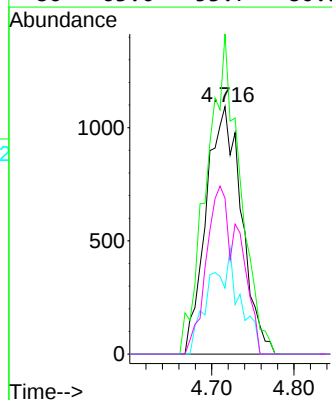
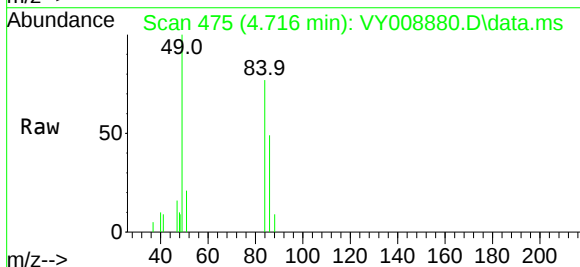
Instrument :
MSVOA_Y
ClientSampleId :
P022-SS002-0006-01

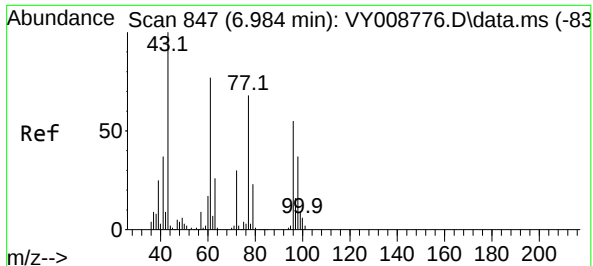
Tgt Ion: 43 Resp: 31
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY008880.D
Acq: 19 May 2022 20:05

Tgt Ion: 84 Resp: 3279
Ion Ratio Lower Upper
84 100
49 129.4 114.4 171.6
51 26.6 35.3 52.9#
86 63.0 53.7 80.5





#25

2-Butanone

Concen: 1.038 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY008880.D

Acq: 19 May 2022 20:05

Instrument :

MSVOA_Y

ClientSampleId :

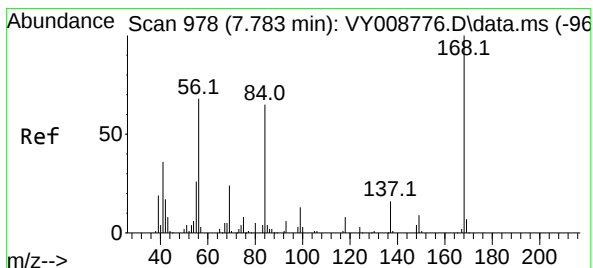
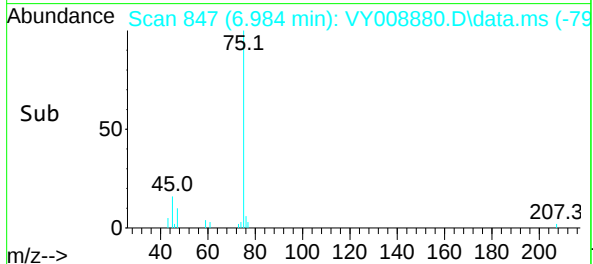
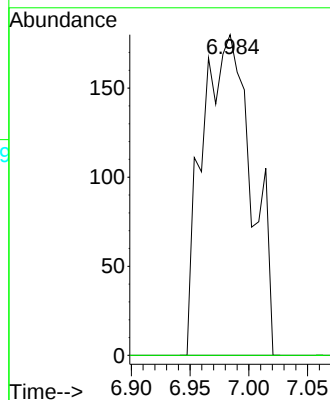
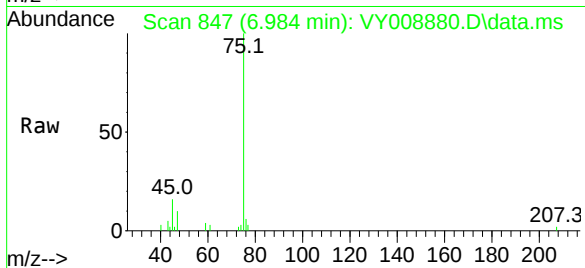
P022-SS002-0006-01

Tgt Ion: 43 Resp: 523

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#31

Cyclohexane

Concen: Below Cal

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY008880.D

Acq: 19 May 2022 20:05

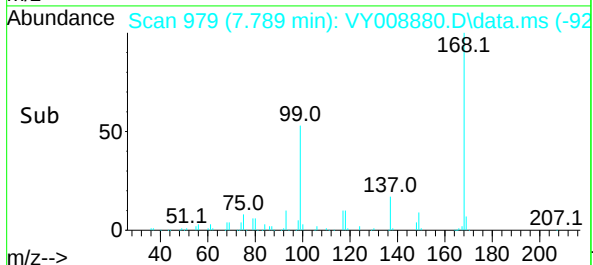
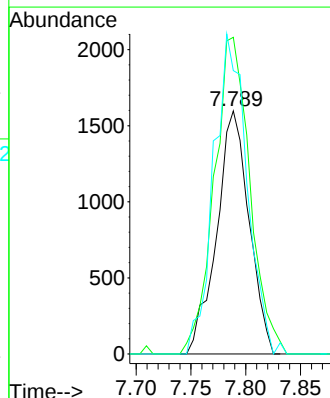
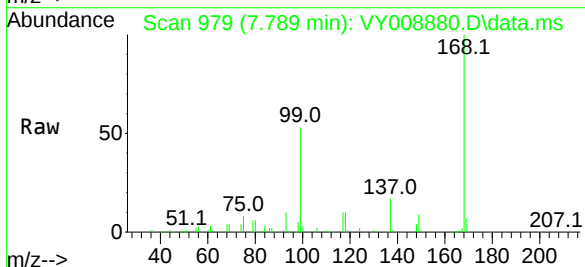
Tgt Ion: 56 Resp: 3280

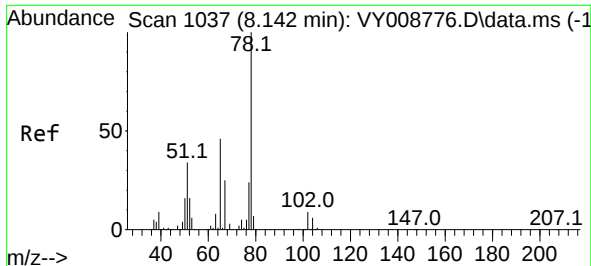
Ion Ratio Lower Upper

56 100

69 130.3 26.7 40.1#

84 116.6 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 69.867 ug/l

RT: 8.142 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY008880.D

Acq: 19 May 2022 20:05

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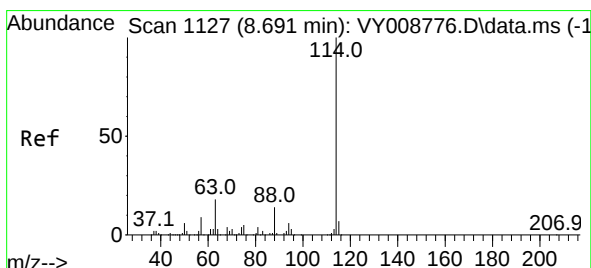
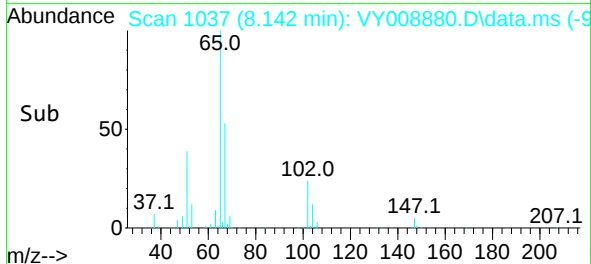
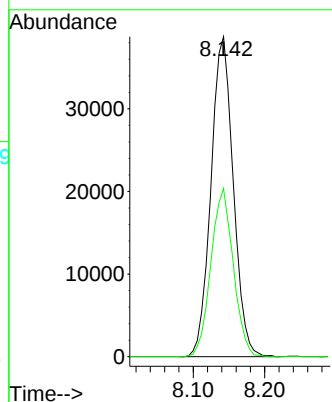
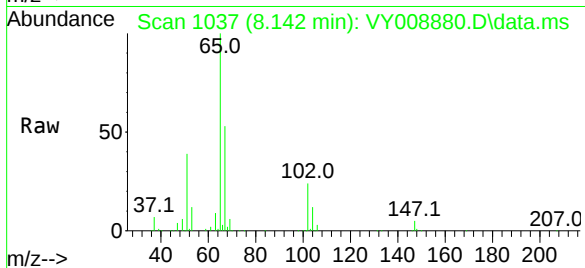
P022-SS002-0006-01

Tgt Ion: 65 Resp: 83904

Ion Ratio Lower Upper

65 100

67 52.6 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: VY008880.D

Acq: 19 May 2022 20:05

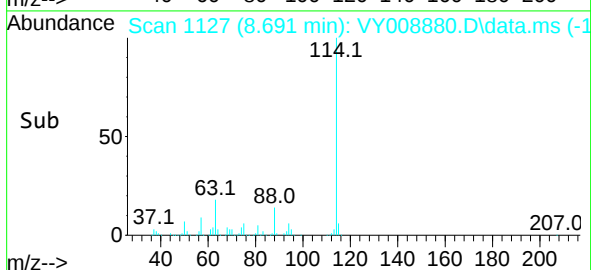
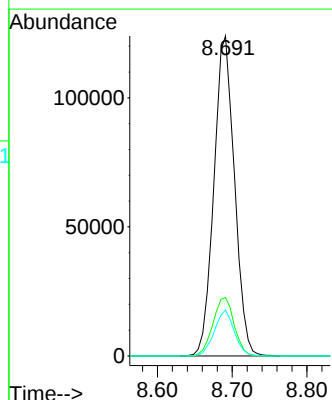
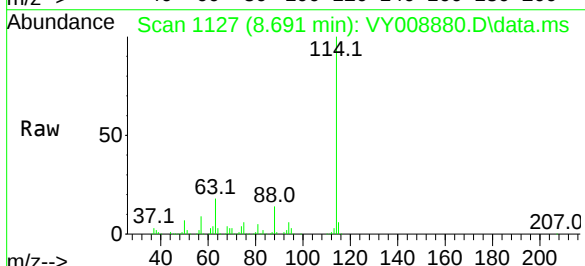
Tgt Ion: 114 Resp: 236897

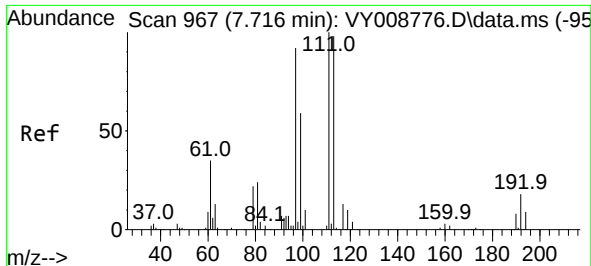
Ion Ratio Lower Upper

114 100

63 18.3 0.0 43.2

88 14.4 0.0 31.8

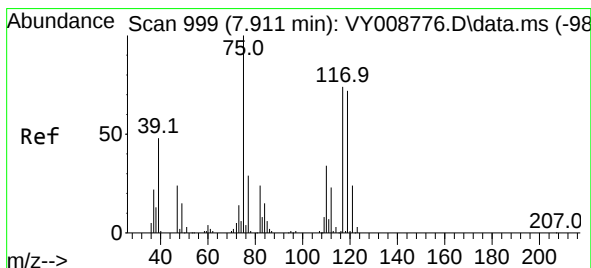
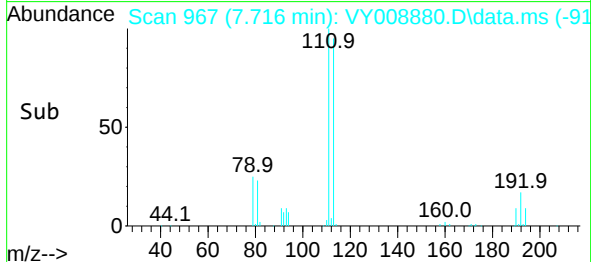
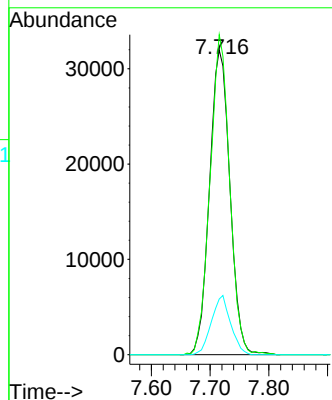
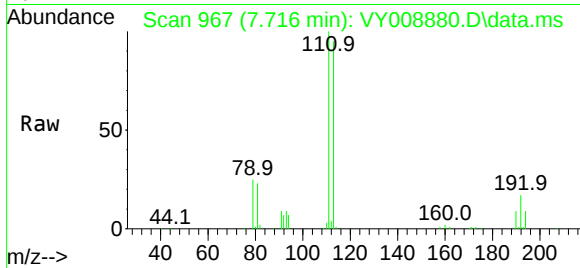




#35
Dibromofluoromethane
Concen: 55.809 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008880.D
Acq: 19 May 2022 20:05

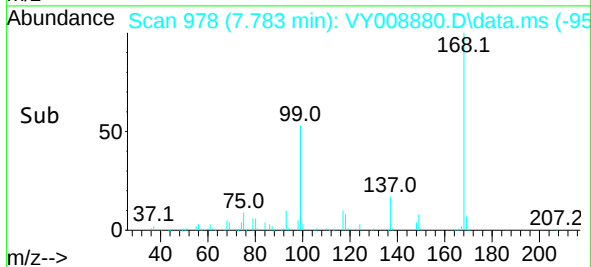
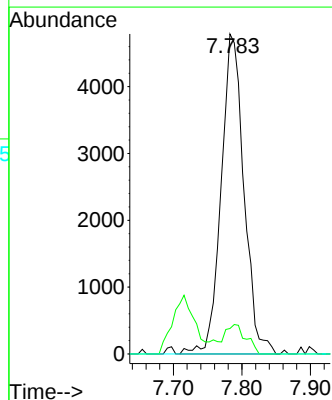
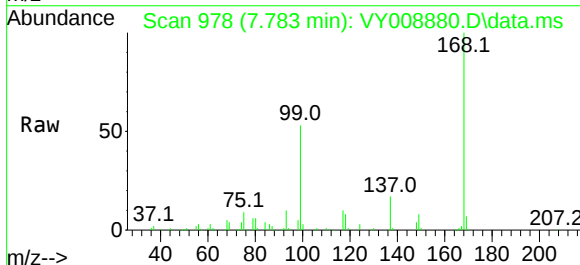
Instrument :
MSVOA_Y
ClientSampleId :
P022-SS002-0006-01

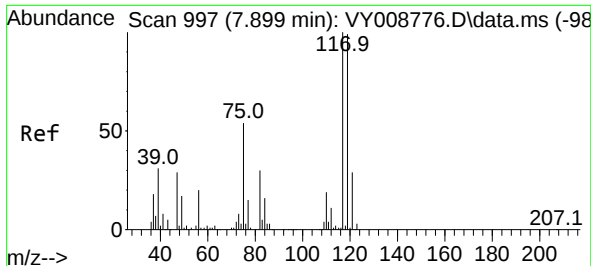
Tgt Ion:	113	Resp:	77247
Ion	Ratio	Lower	Upper
113	100		
111	100.9	82.6	124.0
192	18.2	17.6	26.4



#36
1,1-Dichloropropene
Concen: 4.978 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY008880.D
Acq: 19 May 2022 20:05

Tgt Ion:	75	Resp:	11036
Ion	Ratio	Lower	Upper
75	100		
110	8.0	17.1	51.2#
77	0.0	24.4	36.6#

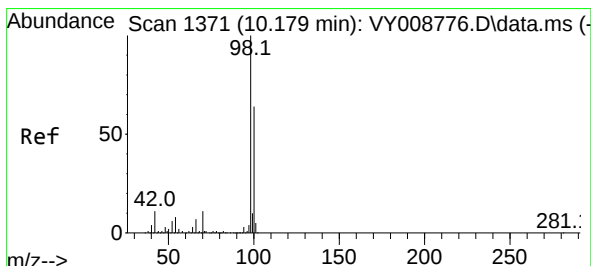
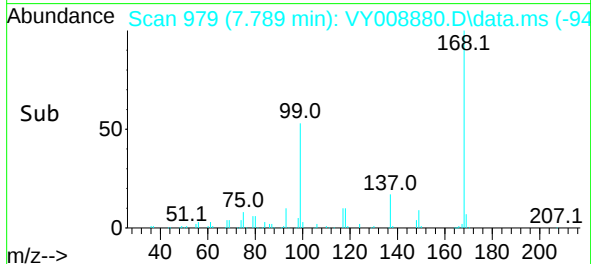
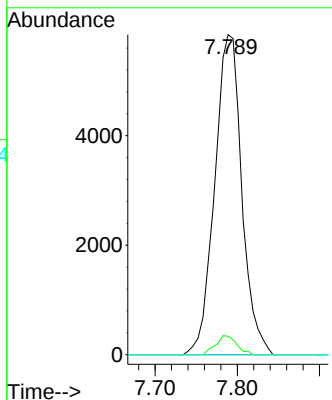
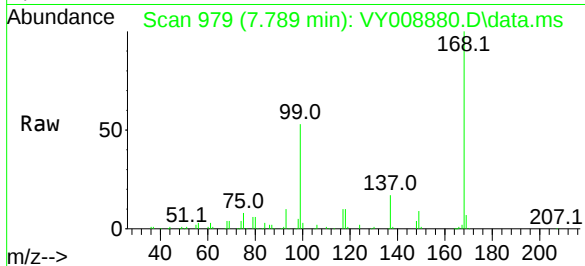




#38
Carbon Tetrachloride
Concen: 5.634 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY008880.D
Acq: 19 May 2022 20:05

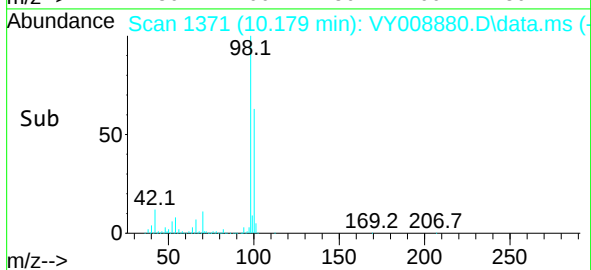
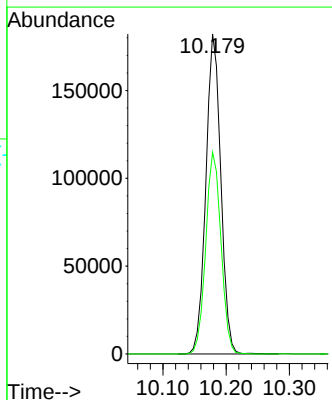
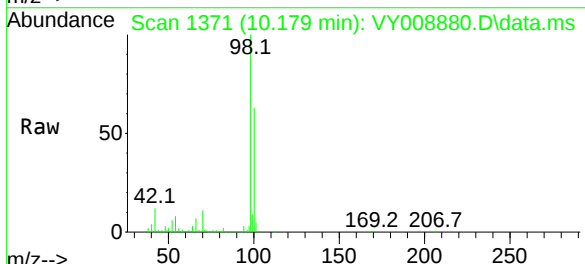
Instrument :
MSVOA_Y
ClientSampleId :
P022-SS002-0006-01

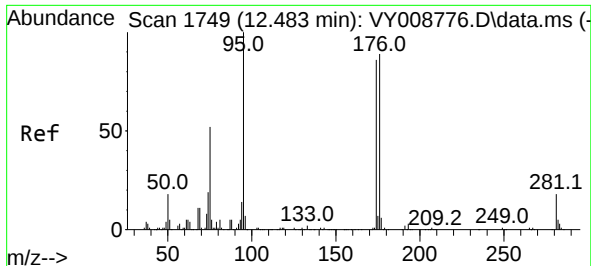
Tgt Ion:117 Resp: 13385
Ion Ratio Lower Upper
117 100
119 5.7 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 48.805 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008880.D
Acq: 19 May 2022 20:05

Tgt Ion: 98 Resp: 299772
Ion Ratio Lower Upper
98 100
100 64.3 50.2 75.2

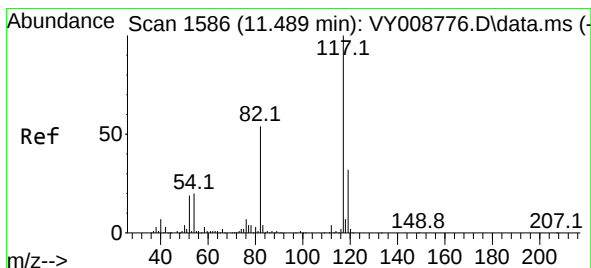
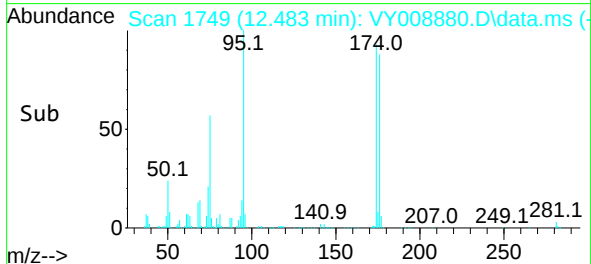
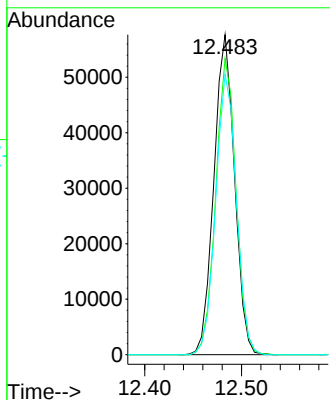
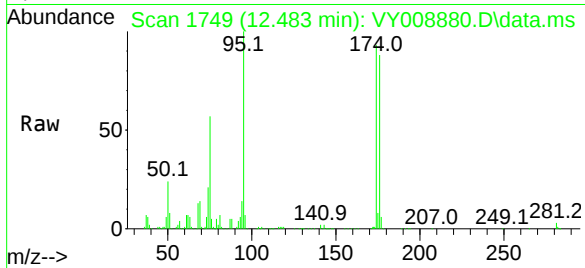




#62
4-Bromofluorobenzene
Concen: 39.732 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008880.D
Acq: 19 May 2022 20:05

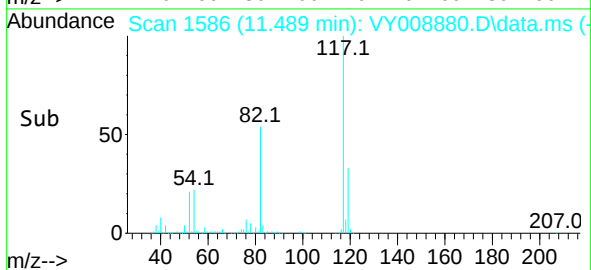
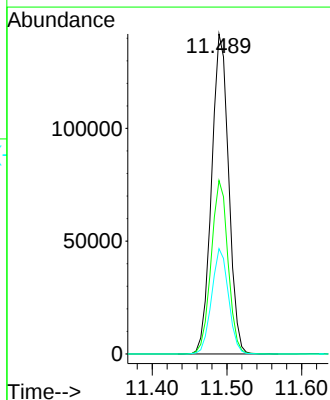
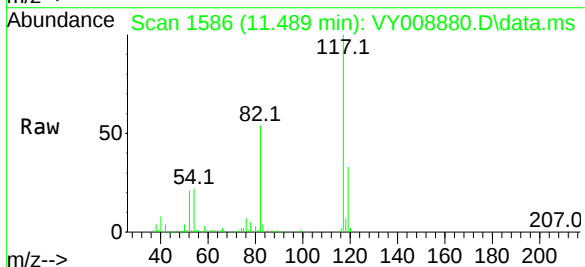
Instrument :
MSVOA_Y
ClientSampleId :
P022-SS002-0006-01

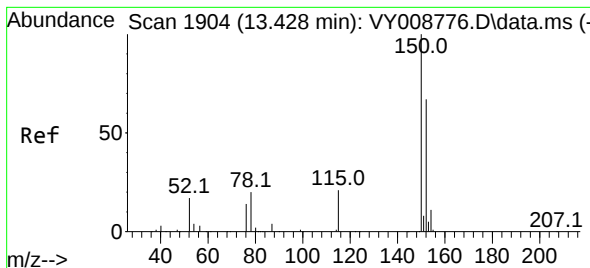
Tgt Ion:	95	Resp:	85545
Ion Ratio	Lower	Upper	
95	100		
174	91.4	0.0	177.0
176	87.6	0.0	175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY008880.D
Acq: 19 May 2022 20:05

Tgt Ion:	117	Resp:	224990
Ion Ratio	Lower	Upper	
117	100		
82	54.2	43.0	64.4
119	32.9	25.4	38.0

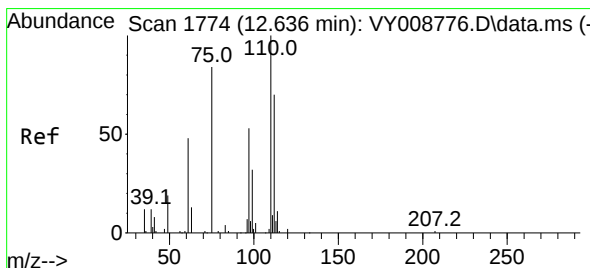
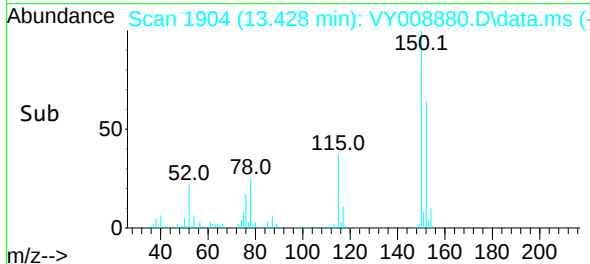
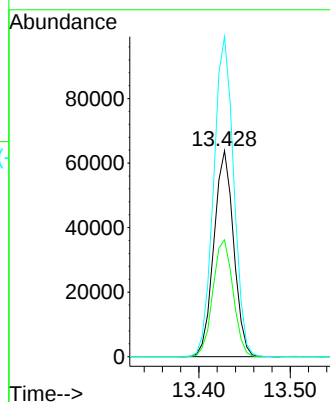
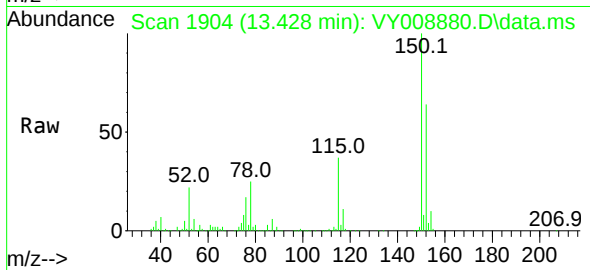




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY008880.D
 Acq: 19 May 2022 20:05

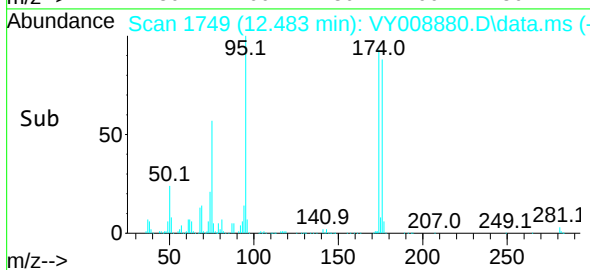
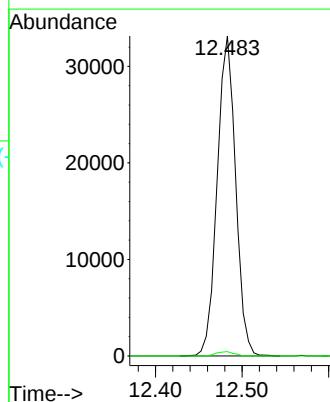
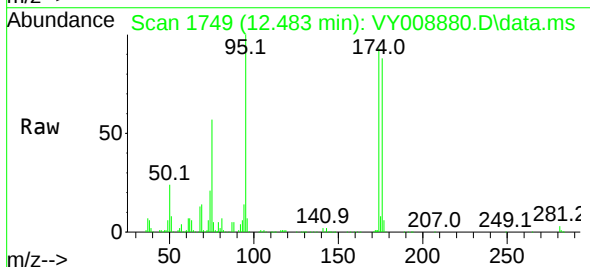
Instrument :
 MSVOA_Y
 ClientSampleId :
 P022-SS002-0006-01

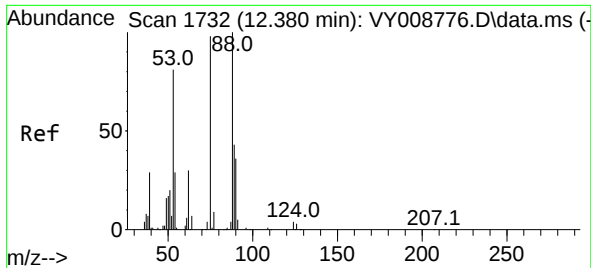
Tgt Ion:152 Resp: 95885
 Ion Ratio Lower Upper
 152 100
 115 58.0 28.2 84.7
 150 157.7 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 44.235 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY008880.D
 Acq: 19 May 2022 20:05

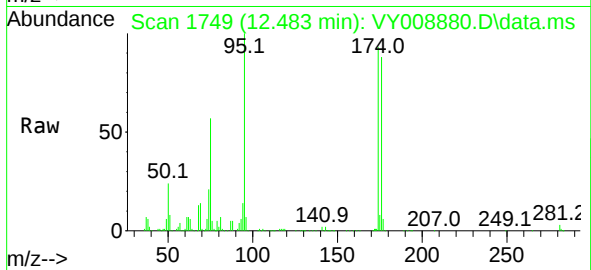
Tgt Ion: 75 Resp: 48995
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.754 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY008880.D
 Acq: 19 May 2022 20:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 P022-SS002-0006-01



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

