

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051822\
 Data File : VY008822.D
 Acq On : 18 May 2022 18:27
 Operator : KP/MD
 Sample : N2841-15
 Misc : 5.93g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P006-SS002-2430-01

Quant Time: May 19 03:12:29 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)

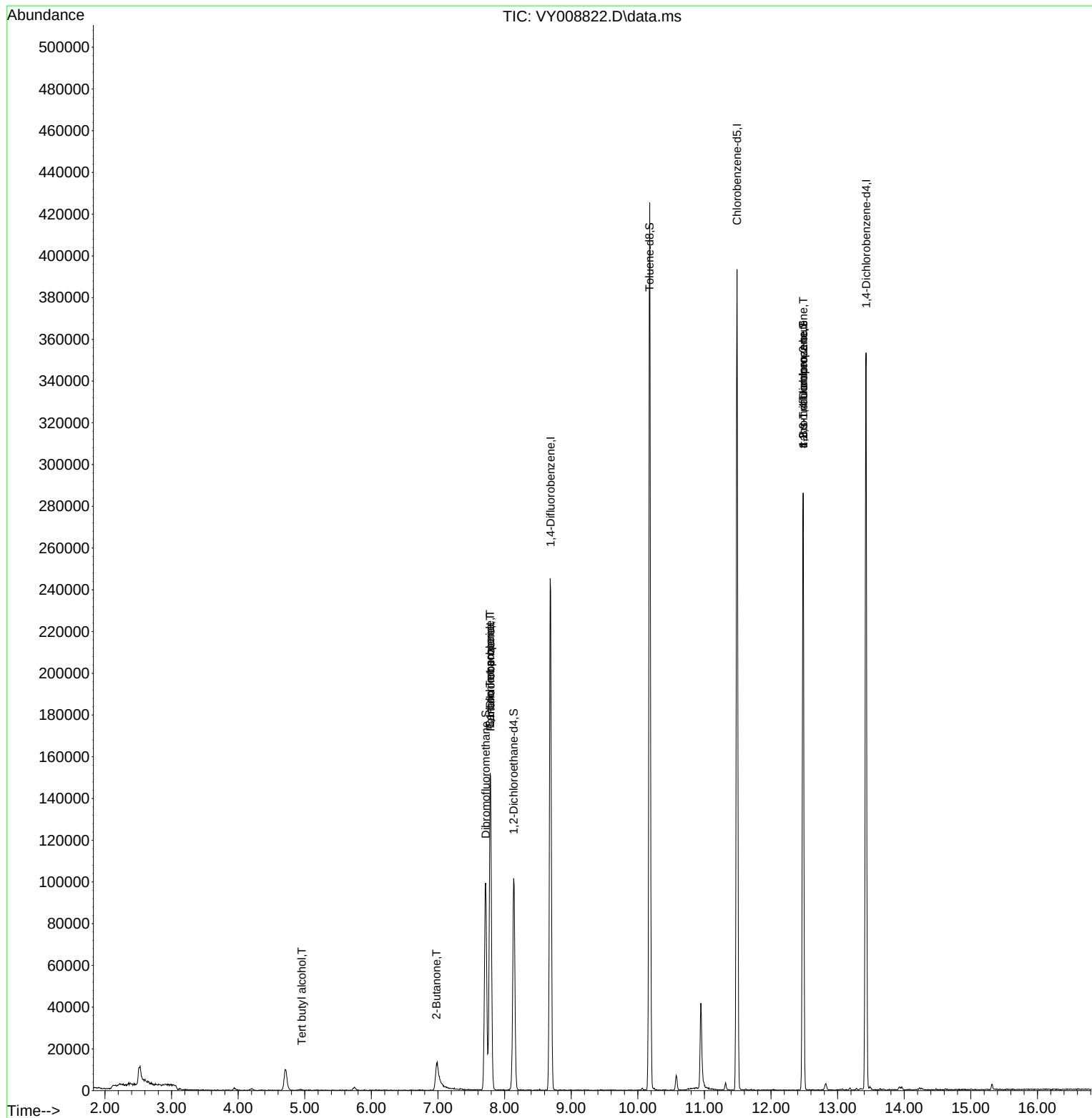
Internal Standards						
1) Pentafluorobenzene	7.789	168	116685	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	207422	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	204060	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	86244	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	75389	69.644	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 139.280%	
35) Dibromofluoromethane	7.716	113	68560	56.571	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.140%	
50) Toluene-d8	10.179	98	265214	49.281	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.560%	
62) 4-Bromofluorobenzene	12.483	95	76855	40.677	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 81.360%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	494	Below Cal	#	43
3) Chloromethane	2.113	50	321	Below Cal	#	44
4) Vinyl Chloride	2.259	62	123	Below Cal	#	43
5) Bromomethane	2.662	94	255	Below Cal	#	57
6) Chloroethane	2.777	64	26	Below Cal	#	43
7) Trichlorofluoromethane	3.131	101	250	Below Cal	#	21
11) Tert butyl alcohol	4.954	59	755	6.311 ug/l	#	77
16) Acetone	3.942	43	1671	Below Cal	#	79
18) Methyl Acetate	4.466	43	20	Below Cal	#	56
25) 2-Butanone	6.978	43	682	1.501 ug/l	#	54
31) Cyclohexane	7.783	56	2689	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	9840	5.069 ug/l	#	51
38) Carbon Tetrachloride	7.783	117	12043	5.789 ug/l	#	16
76) 1,2,3-Trichloropropane	12.483	75	44192	44.359 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	44192	97.025 ug/l	#	7

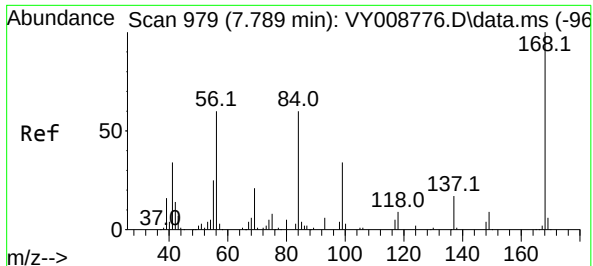
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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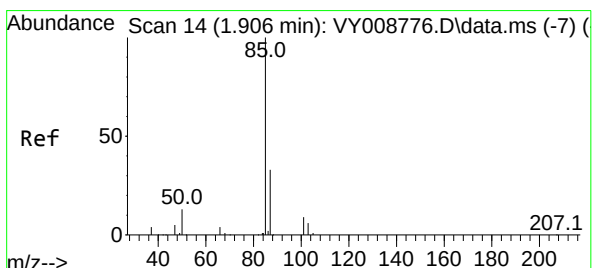
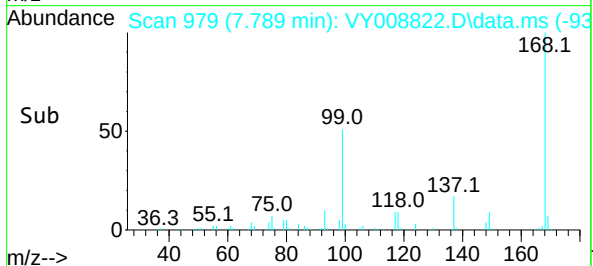
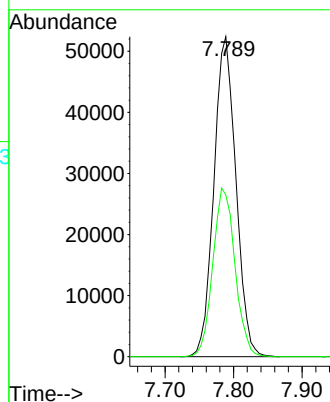
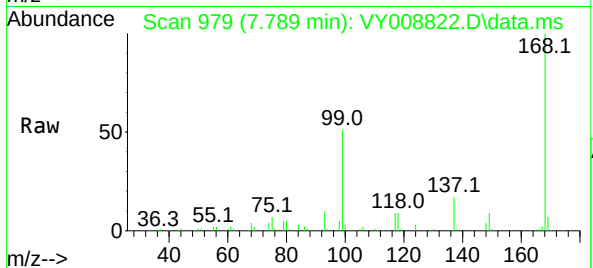




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008822.D
Acq: 18 May 2022 18:27

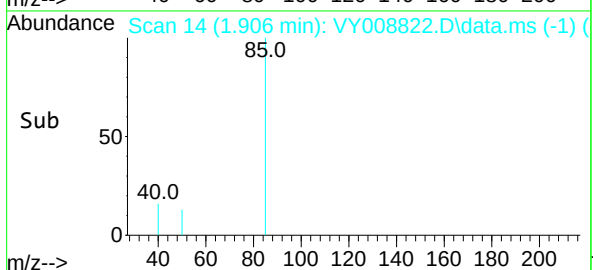
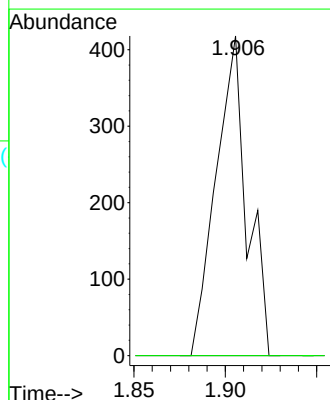
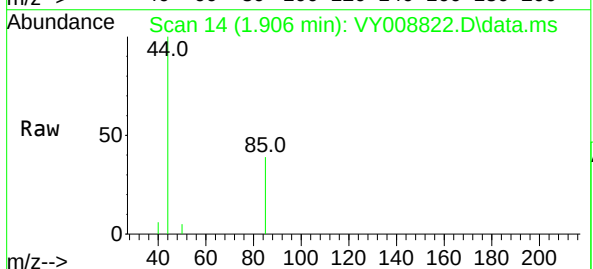
Instrument :
MSVOA_Y
ClientSampleId :
P006-SS002-2430-01

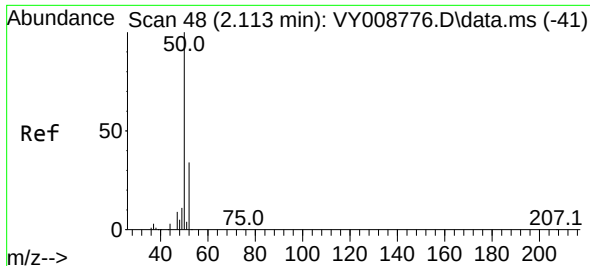
Tgt Ion:168 Resp: 116685
Ion Ratio Lower Upper
168 100
99 50.5 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY008822.D
Acq: 18 May 2022 18:27

Tgt Ion: 85 Resp: 494
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

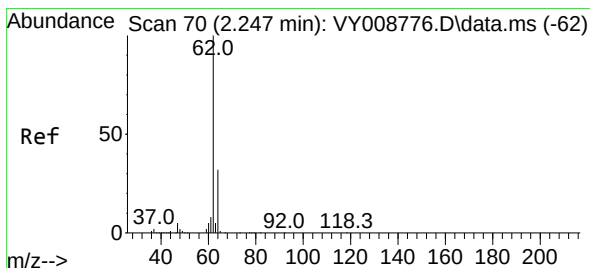
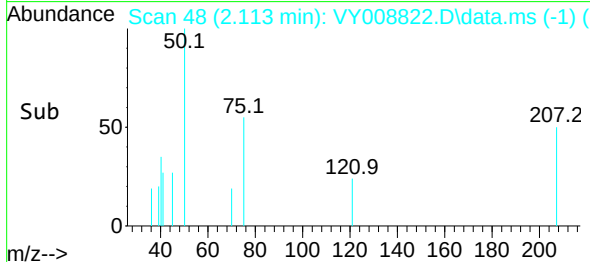
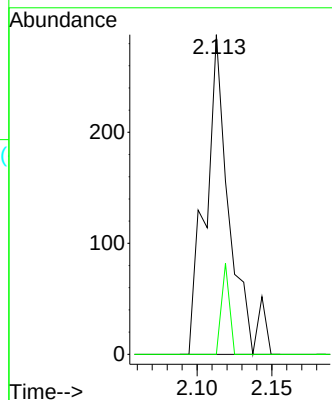
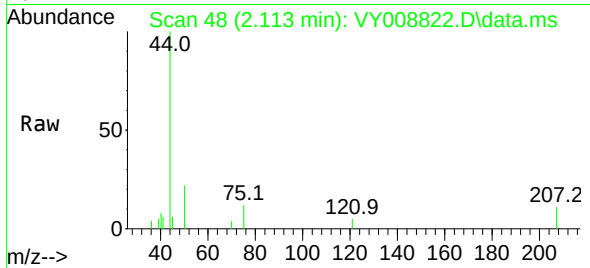




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY008822.D
Acq: 18 May 2022 18:27

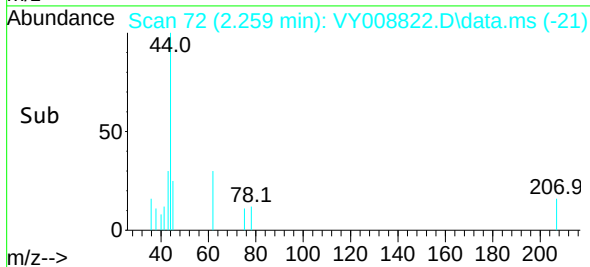
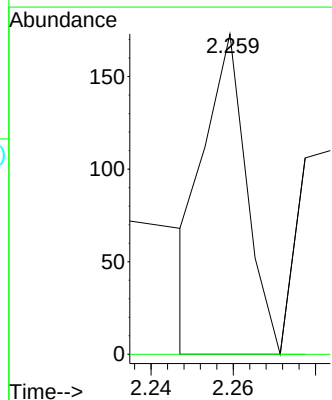
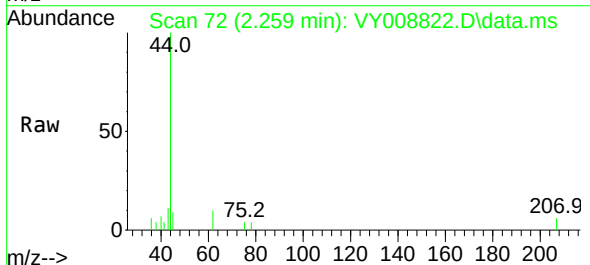
Instrument :
MSVOA_Y
ClientSampleId :
P006-SS002-2430-01

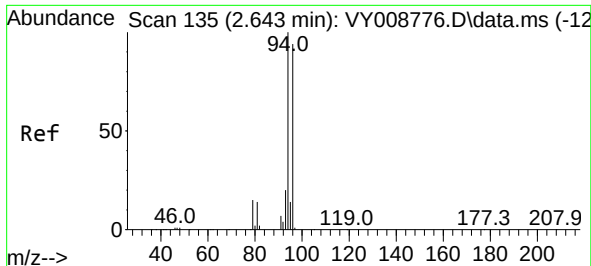
Tgt Ion: 50 Resp: 321
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.259 min Scan# 72
Delta R.T. 0.012 min
Lab File: VY008822.D
Acq: 18 May 2022 18:27

Tgt Ion: 62 Resp: 123
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

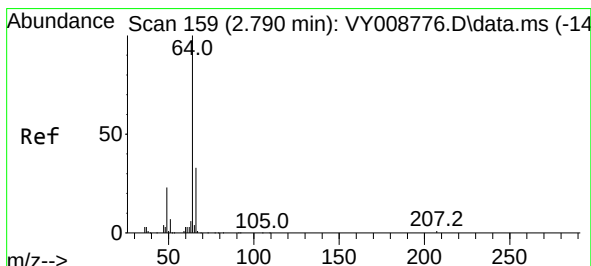
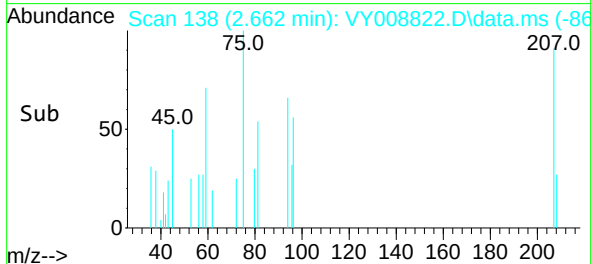
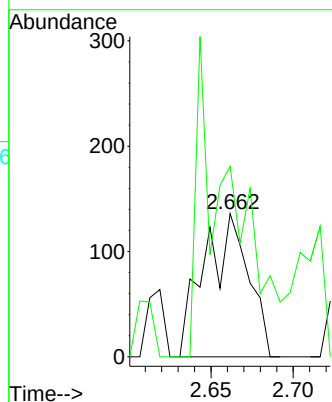
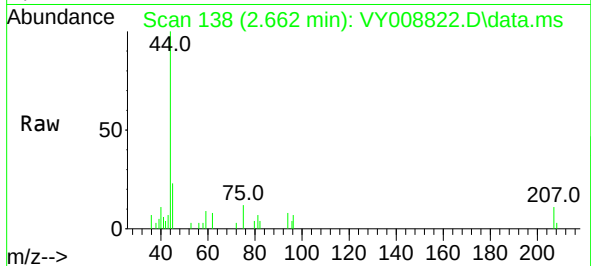




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.019 min
Lab File: VY008822.D
Acq: 18 May 2022 18:27

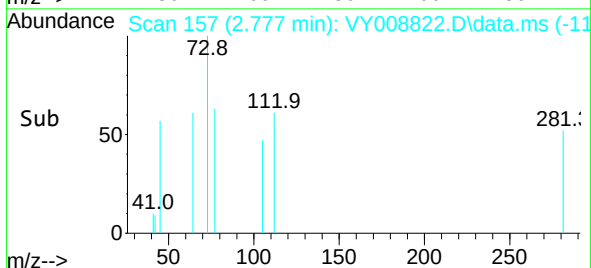
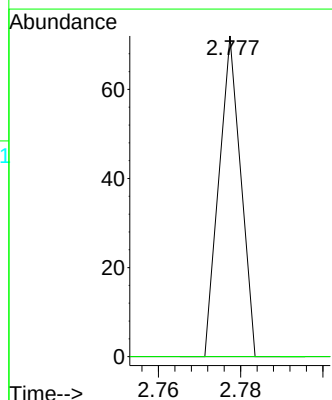
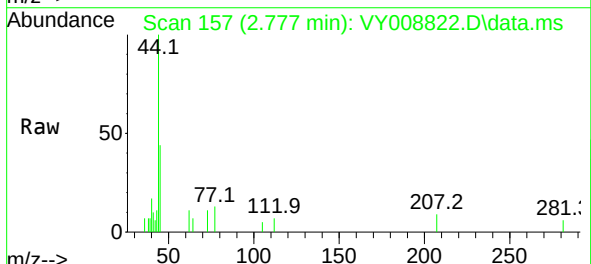
Instrument :
MSVOA_Y
ClientSampleId :
P006-SS002-2430-01

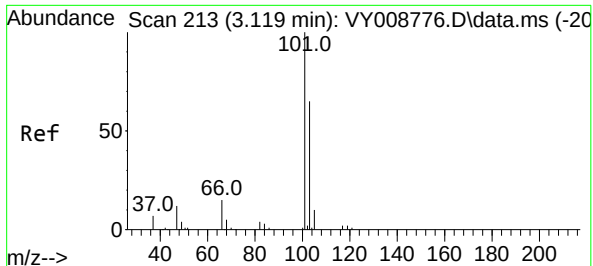
Tgt Ion: 94 Resp: 255
Ion Ratio Lower Upper
94 100
96 133.1 73.5 110.3#



#6
Chloroethane
Concen: Below Cal
RT: 2.777 min Scan# 157
Delta R.T. -0.013 min
Lab File: VY008822.D
Acq: 18 May 2022 18:27

Tgt Ion: 64 Resp: 26
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

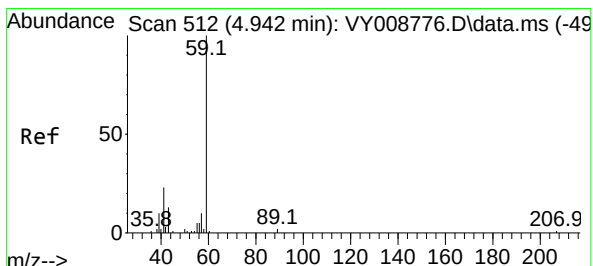
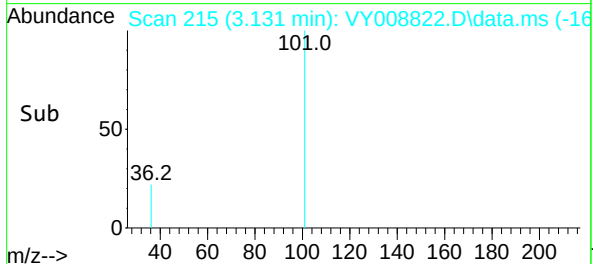
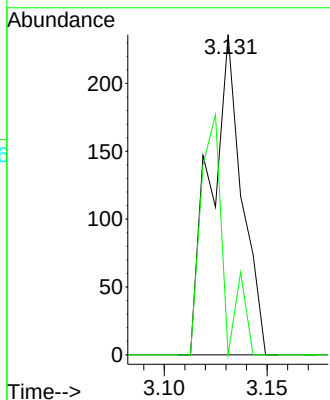
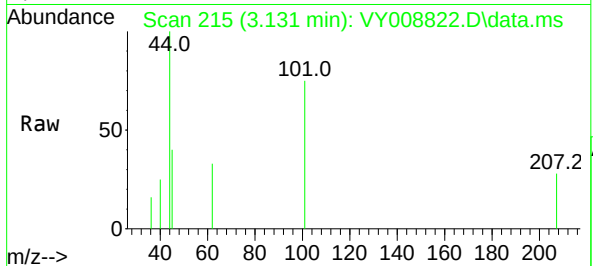




#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.131 min Scan# 213
Delta R.T. 0.012 min
Lab File: VY008822.D
Acq: 18 May 2022 18:27

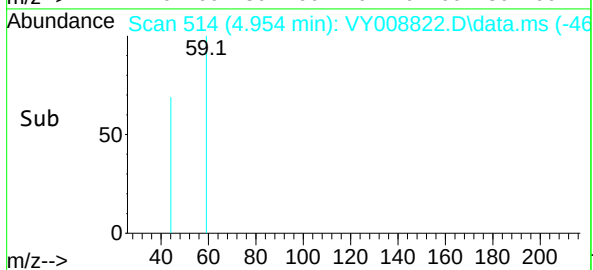
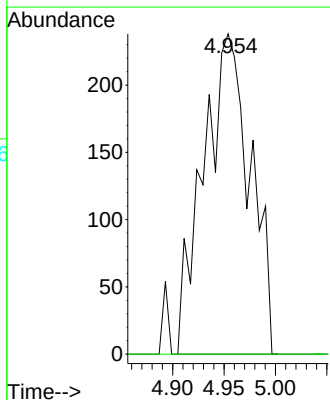
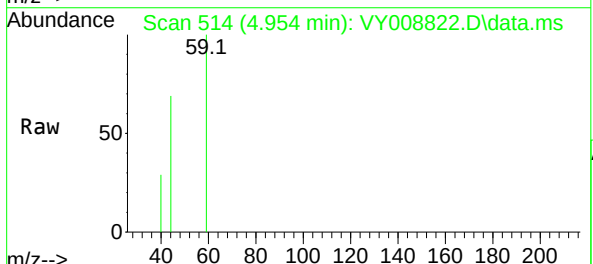
Instrument :
MSVOA_Y
ClientSampleId :
P006-SS002-2430-01

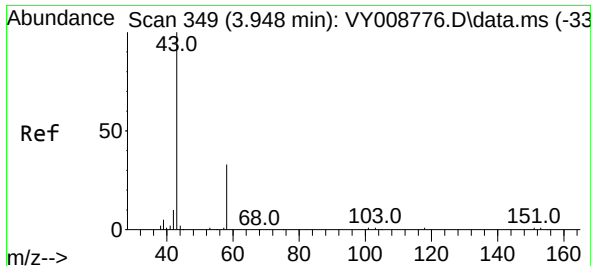
Tgt Ion:101 Resp: 250
Ion Ratio Lower Upper
101 100
103 0.0 48.0 72.0#



#11
Tert butyl alcohol
Concen: 6.311 ug/l
RT: 4.954 min Scan# 514
Delta R.T. 0.012 min
Lab File: VY008822.D
Acq: 18 May 2022 18:27

Tgt Ion: 59 Resp: 755
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

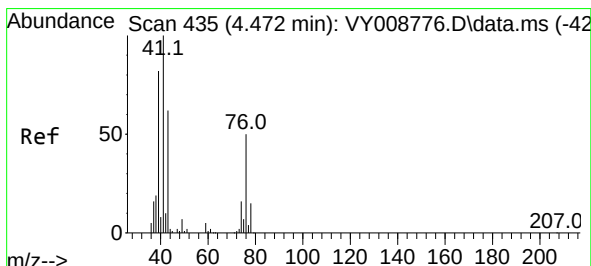
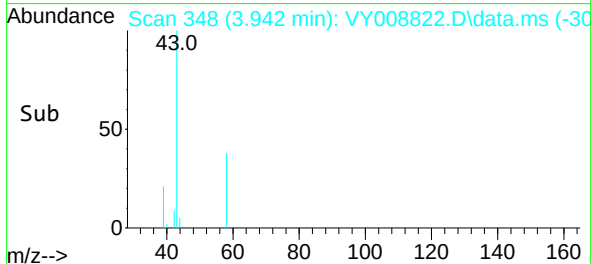
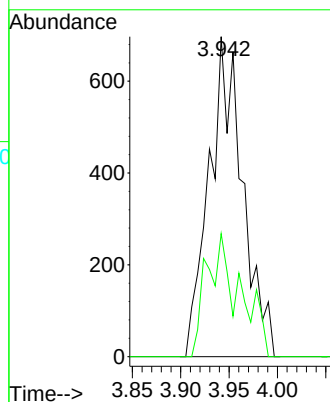
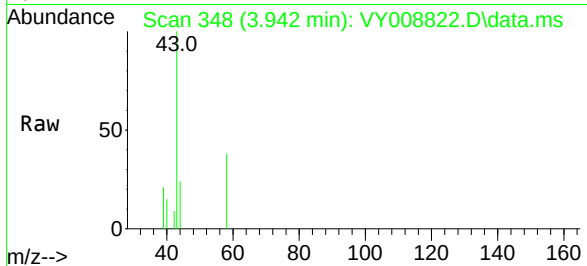




#16
Acetone
Concen: Below Cal
RT: 3.942 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY008822.D
Acq: 18 May 2022 18:27

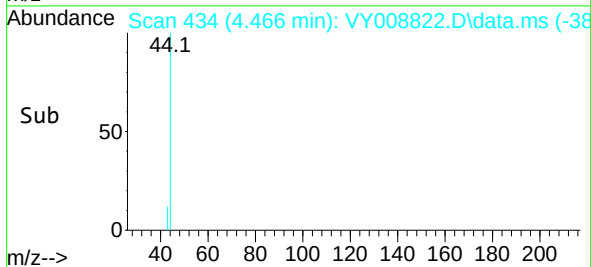
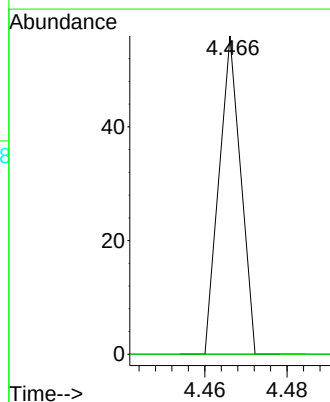
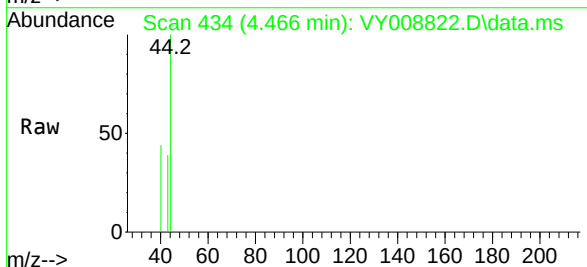
Instrument :
MSVOA_Y
ClientSampleId :
P006-SS002-2430-01

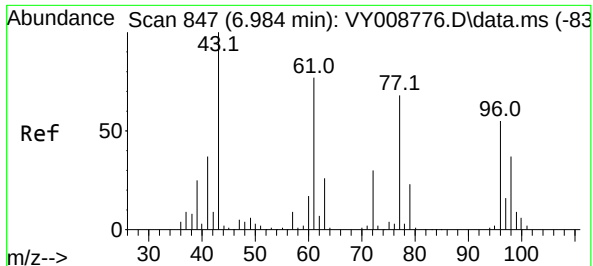
Tgt Ion: 43 Resp: 1671
Ion Ratio Lower Upper
43 100
58 38.5 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.466 min Scan# 434
Delta R.T. -0.006 min
Lab File: VY008822.D
Acq: 18 May 2022 18:27

Tgt Ion: 43 Resp: 20
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





#25

2-Butanone

Concen: 1.501 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY008822.D

Acq: 18 May 2022 18:27

Instrument :

MSVOA_Y

ClientSampleId :

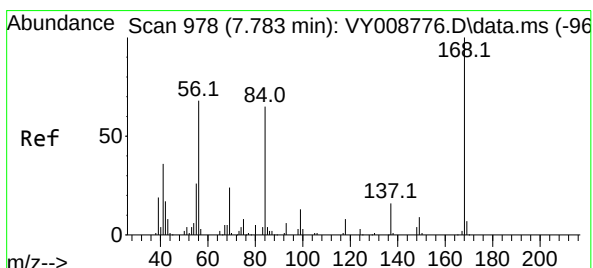
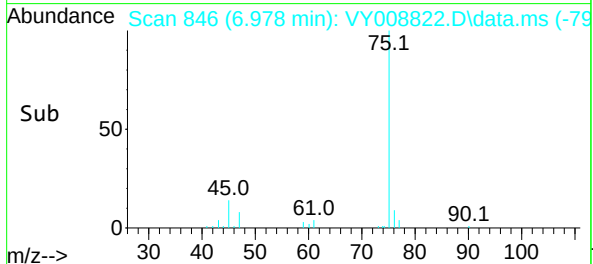
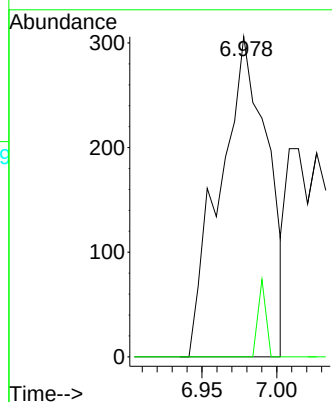
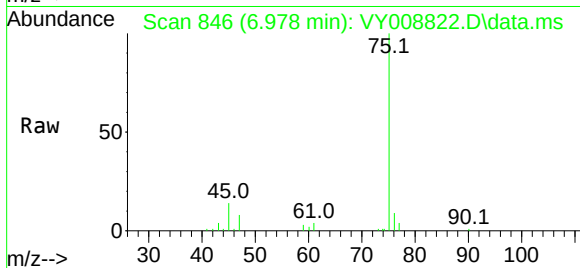
P006-SS002-2430-01

Tgt Ion: 43 Resp: 682

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#31

Cyclohexane

Concen: Below Cal

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY008822.D

Acq: 18 May 2022 18:27

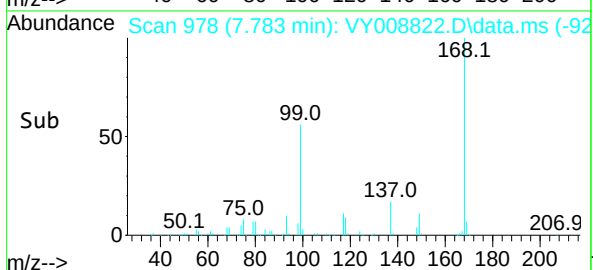
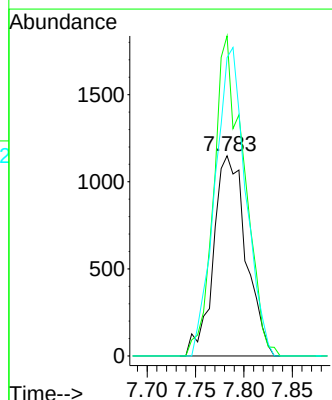
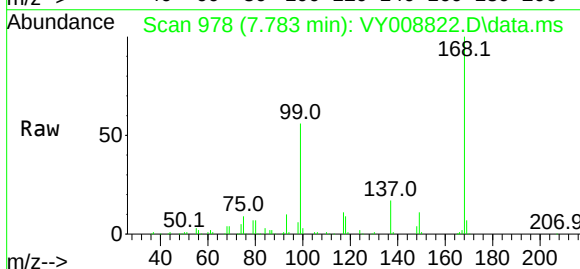
Tgt Ion: 56 Resp: 2689

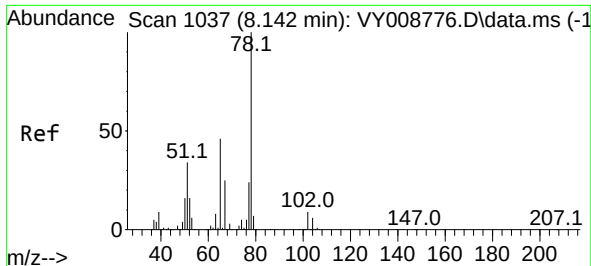
Ion Ratio Lower Upper

56 100

69 159.9 26.7 40.1#

84 149.1 67.2 100.8#

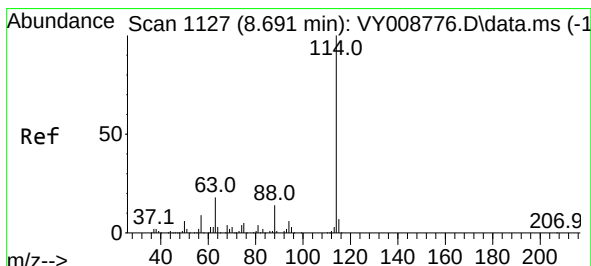
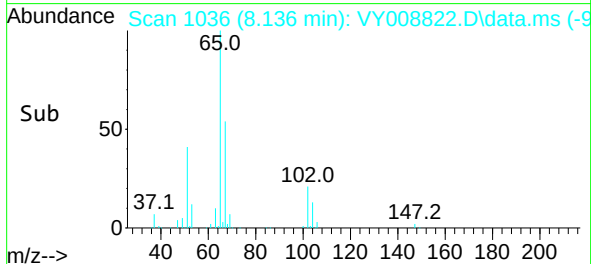
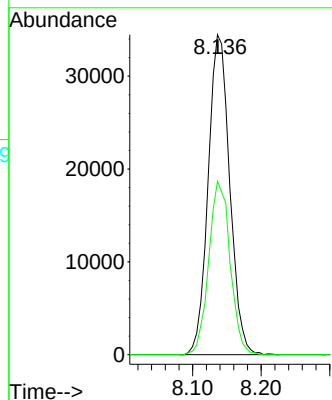
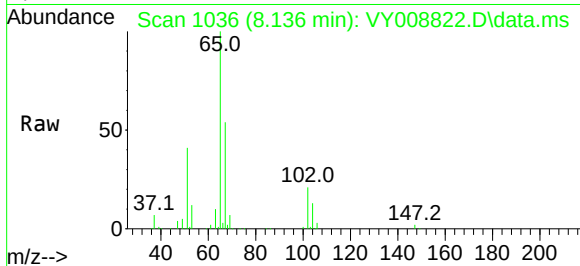




#33
 1,2-Dichloroethane-d4
 Concen: 69.644 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. -0.006 min
 Lab File: VY008822.D
 Acq: 18 May 2022 18:27

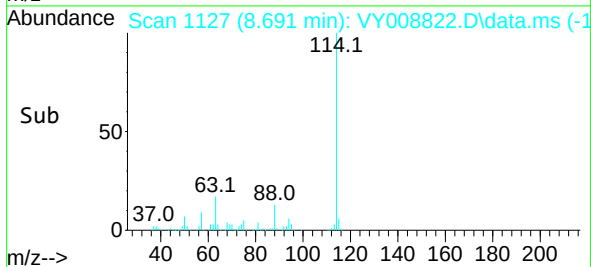
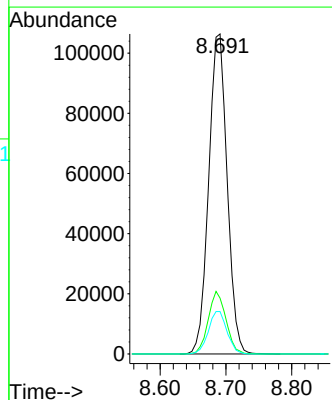
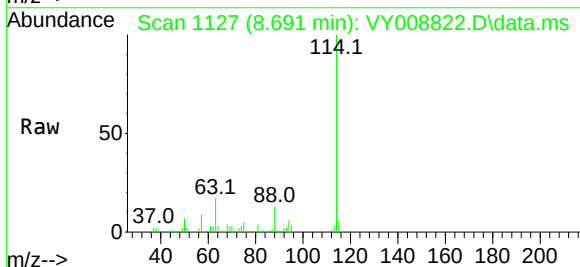
Instrument :
 MSVOA_Y
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 P006-SS002-2430-01

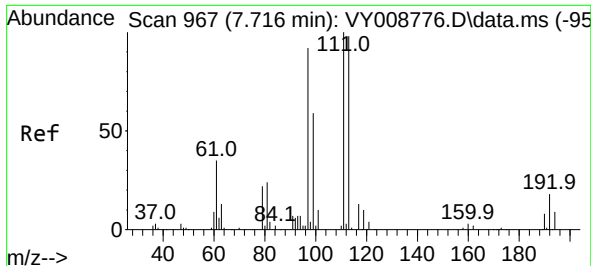
Tgt Ion: 65 Resp: 75389
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. -0.000 min
 Lab File: VY008822.D
 Acq: 18 May 2022 18:27

Tgt Ion: 114 Resp: 207422
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 43.2
 88 13.3 0.0 31.8

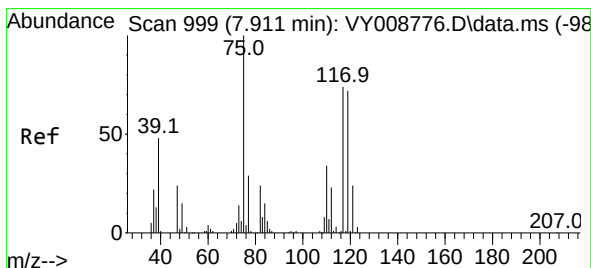
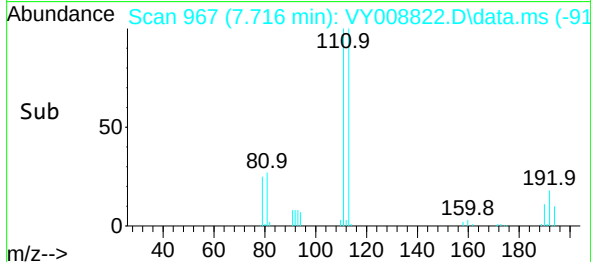
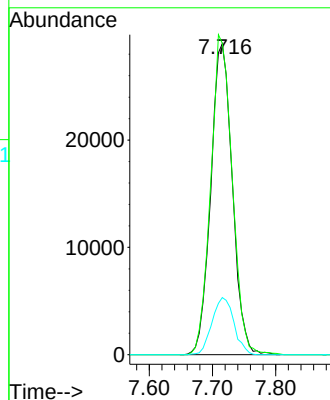
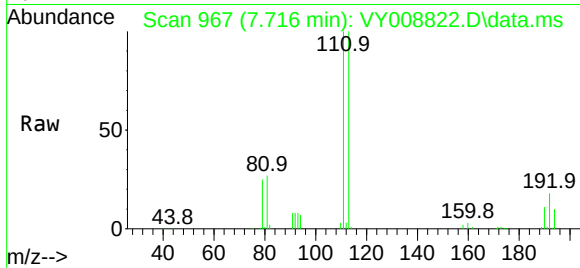




#35
Dibromofluoromethane
Concen: 56.571 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY008822.D
Acq: 18 May 2022 18:27

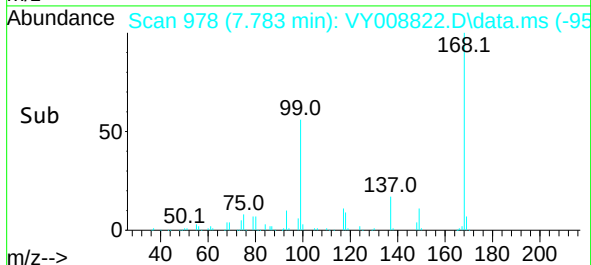
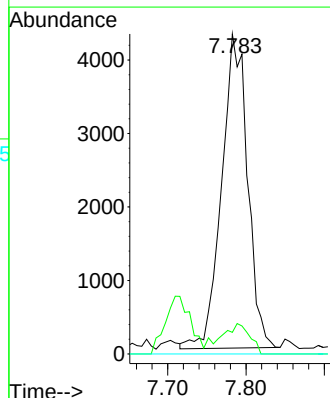
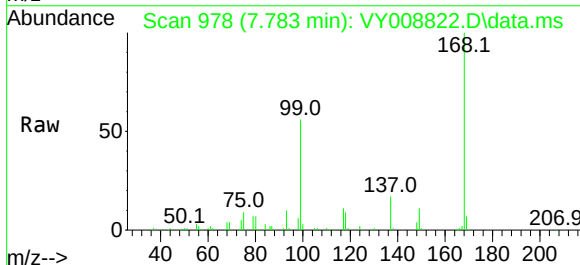
Instrument :
MSVOA_Y
ClientSampleId :
P006-SS002-2430-01

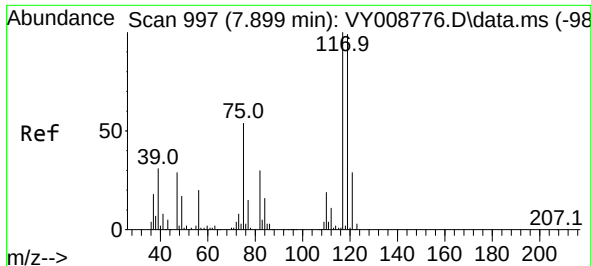
Tgt Ion:113 Resp: 68560
Ion Ratio Lower Upper
113 100
111 102.6 82.6 124.0
192 18.7 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.069 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY008822.D
Acq: 18 May 2022 18:27

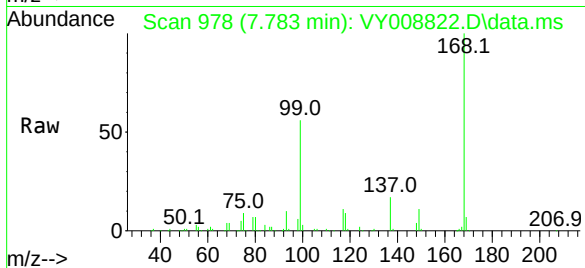
Tgt Ion: 75 Resp: 9840
Ion Ratio Lower Upper
75 100
110 9.5 17.1 51.2#
77 0.0 24.4 36.6#



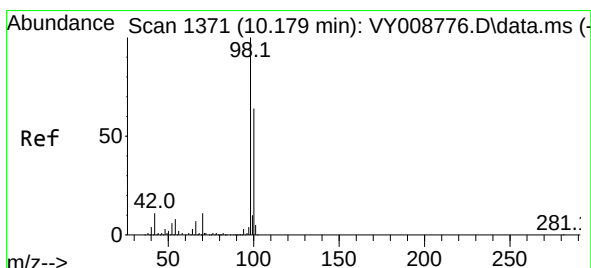
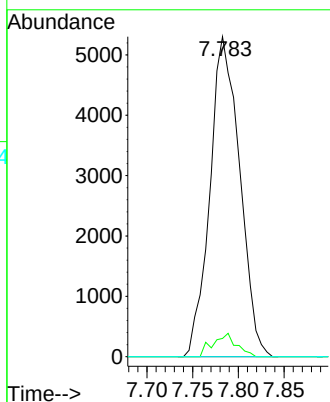
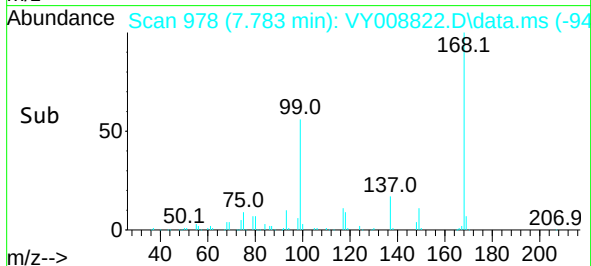


#38
Carbon Tetrachloride
Concen: 5.789 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY008822.D
Acq: 18 May 2022 18:27

Instrument :
MSVOA_Y
ClientSampleId :
P006-SS002-2430-01

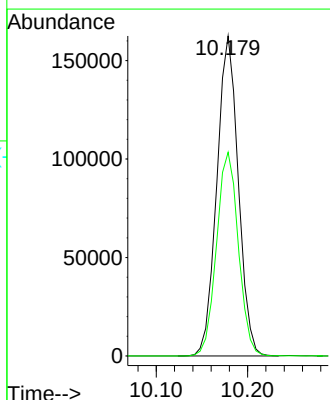
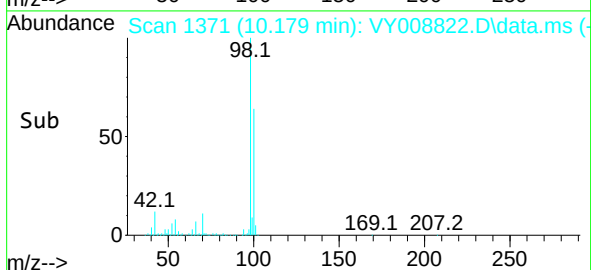
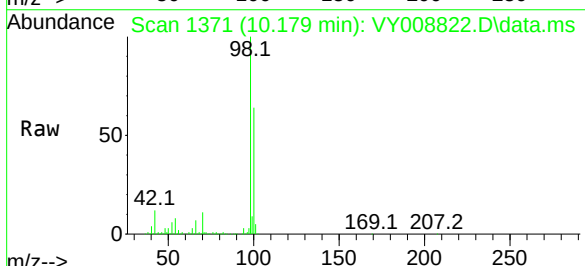


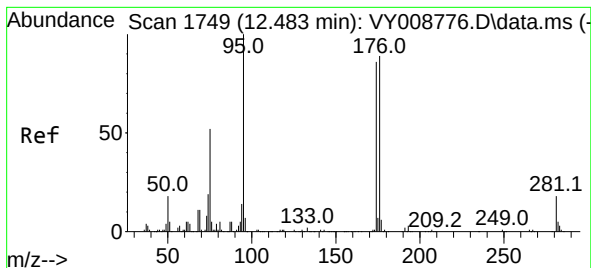
Tgt Ion:117 Resp: 12043
Ion Ratio Lower Upper
117 100
119 5.7 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 49.281 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008822.D
Acq: 18 May 2022 18:27

Tgt Ion: 98 Resp: 265214
Ion Ratio Lower Upper
98 100
100 64.8 50.2 75.2

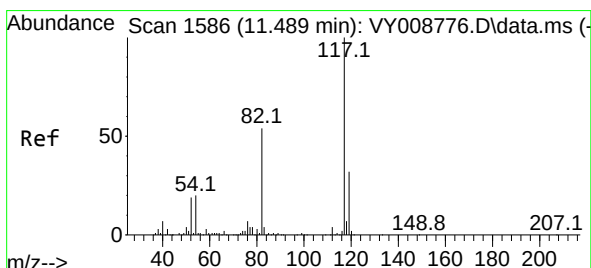
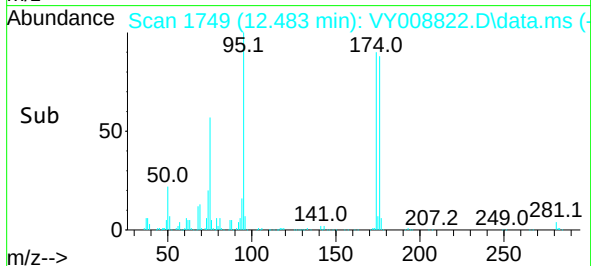
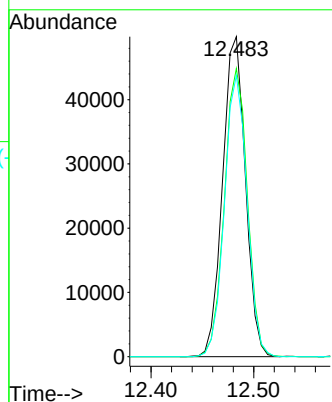
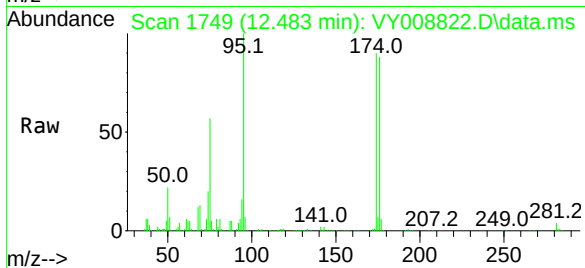




#62
4-Bromofluorobenzene
Concen: 40.677 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY008822.D
Acq: 18 May 2022 18:27

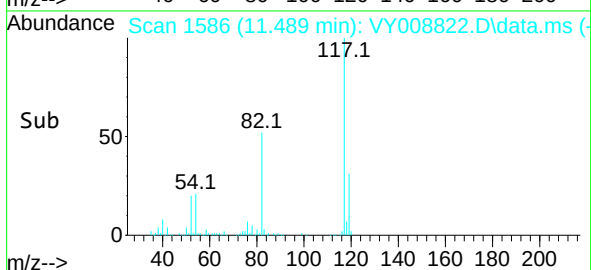
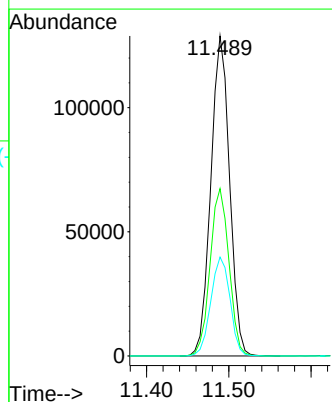
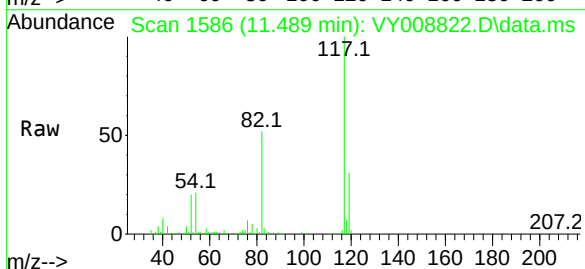
Instrument :
MSVOA_Y
ClientSampleId :
P006-SS002-2430-01

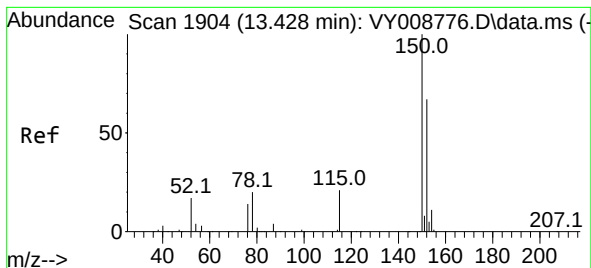
Tgt Ion: 95 Resp: 76855
Ion Ratio Lower Upper
95 100
174 90.5 0.0 177.0
176 87.0 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY008822.D
Acq: 18 May 2022 18:27

Tgt Ion: 117 Resp: 204060
Ion Ratio Lower Upper
117 100
82 52.3 43.0 64.4
119 30.9 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: VY008822.D

Acq: 18 May 2022 18:27

Instrument :

MSVOA_Y

ClientSampleId :

P006-SS002-2430-01

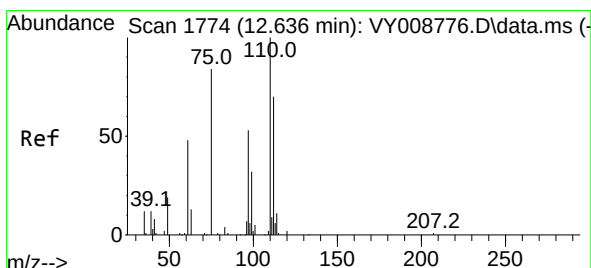
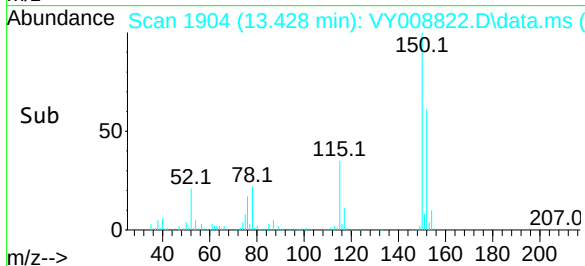
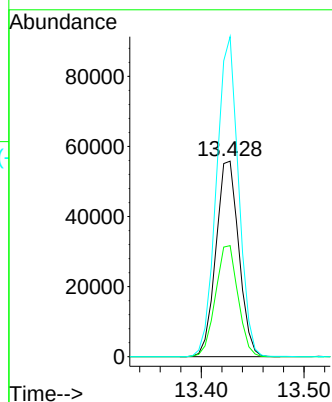
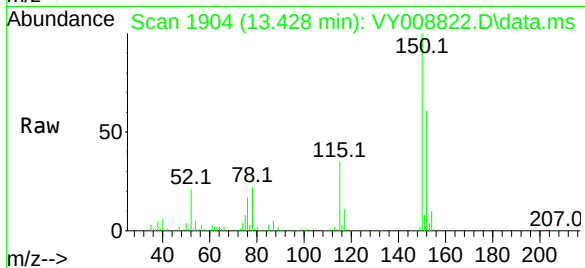
Tgt Ion:152 Resp: 86244

Ion Ratio Lower Upper

152 100

115 55.8 28.2 84.7

150 157.5 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 44.359 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.153 min

Lab File: VY008822.D

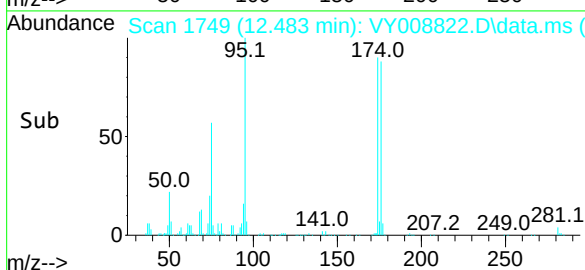
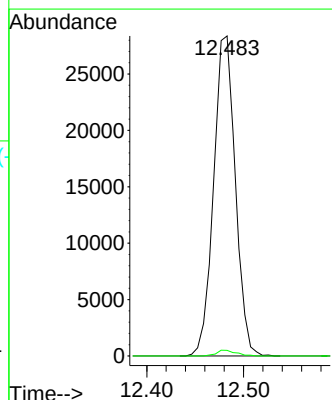
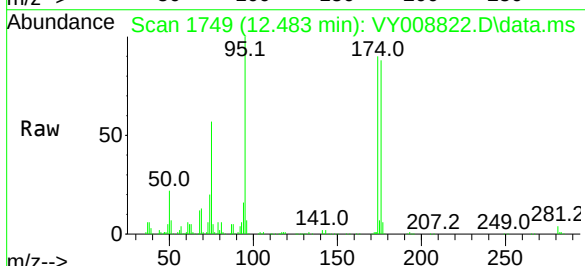
Acq: 18 May 2022 18:27

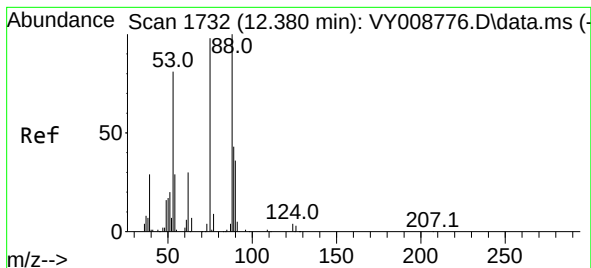
Tgt Ion: 75 Resp: 44192

Ion Ratio Lower Upper

75 100

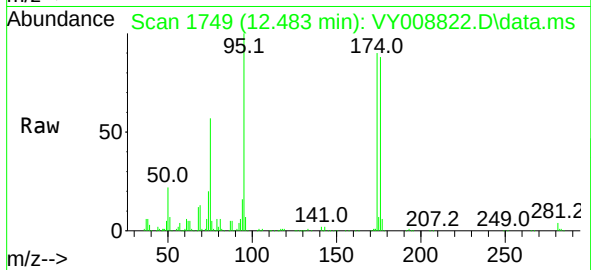
77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.025 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY008822.D
 Acq: 18 May 2022 18:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 P006-SS002-2430-01



Tgt Ion: 75 Resp: 44192
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.1 37.0 55.4#

