

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051722\
 Data File : VY008803.D
 Acq On : 18 May 2022 04:03
 Operator : KP/MD
 Sample : N2869-02
 Misc : 5.14g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 18 08:02:39 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	110735	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	198794	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	188078	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	80943	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	69189	67.351	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 134.700%	
35) Dibromofluoromethane	7.716	113	63903	55.017	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.040%	
50) Toluene-d8	10.179	98	244291	47.487	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 94.980%	
62) 4-Bromofluorobenzene	12.483	95	73559	40.627	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 81.260%	

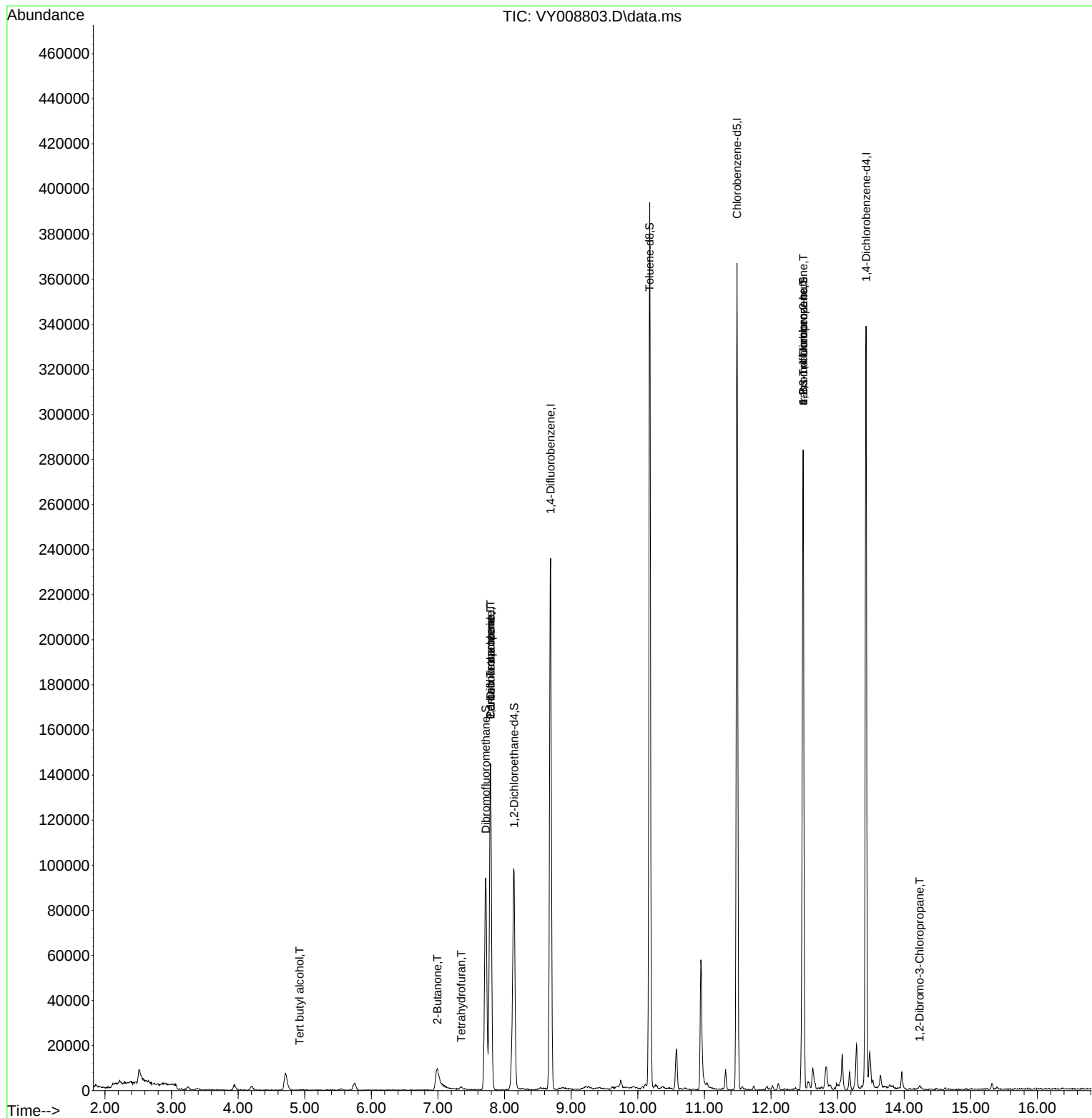
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	76	Below Cal	#	43
3) Chloromethane	2.113	50	266	Below Cal	#	44
4) Vinyl Chloride	2.253	62	93	Below Cal	#	43
5) Bromomethane	2.662	94	245	Below Cal	#	73
6) Chloroethane	2.705	64	27	Below Cal	#	43
11) Tert butyl alcohol	4.924	59	233	2.052	ug/l #	77
16) Acetone	3.948	43	3544	Below Cal		96
18) Methyl Acetate	4.271	43	64	Below Cal	#	56
20) Methylene Chloride	4.716	84	5309	Below Cal	#	69
25) 2-Butanone	6.990	43	946	2.194	ug/l	95
29) Tetrahydrofuran	7.350	42	727	2.531	ug/l #	61
31) Cyclohexane	7.789	56	2670	Below Cal	#	45
36) 1,1-Dichloropropene	7.789	75	8708	4.681	ug/l #	51
38) Carbon Tetrachloride	7.789	117	10910	5.472	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	41840	44.748	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	41840	97.877	ug/l #	7
92) 1,2-Dibromo-3-Chloropr...	14.233	75	269	1.275	ug/l #	6

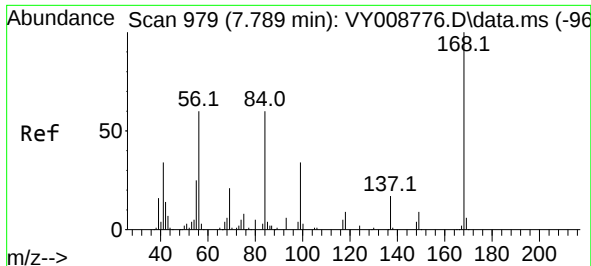
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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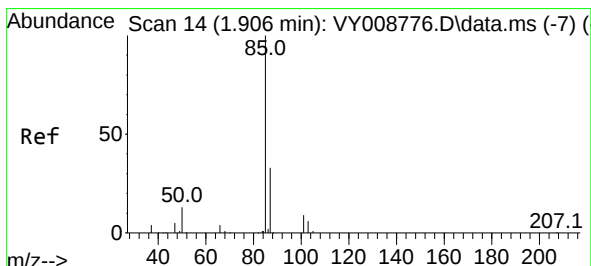
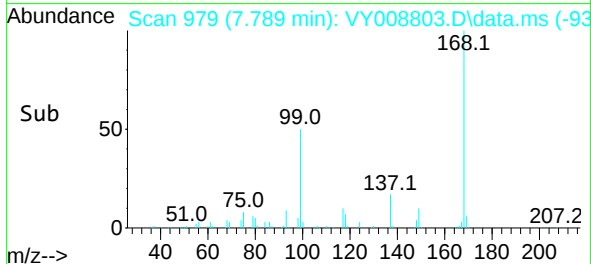
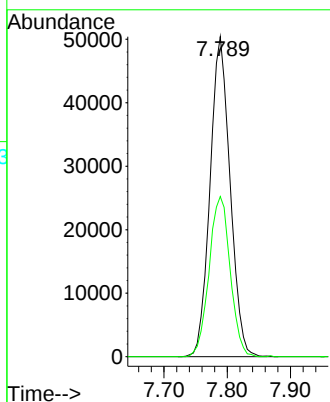
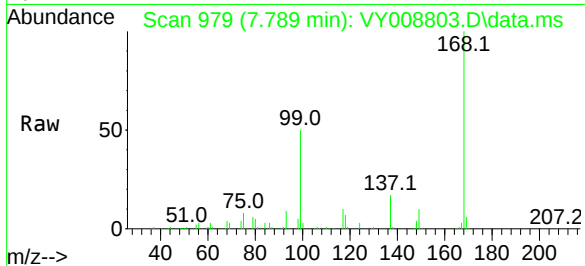




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY008803.D
Acq: 18 May 2022 04:03

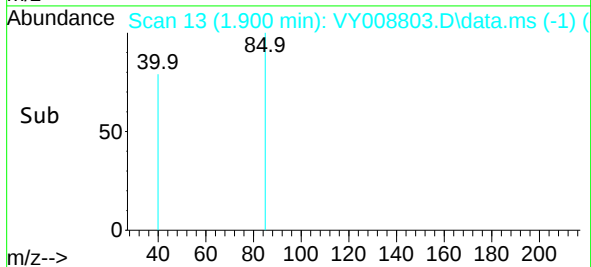
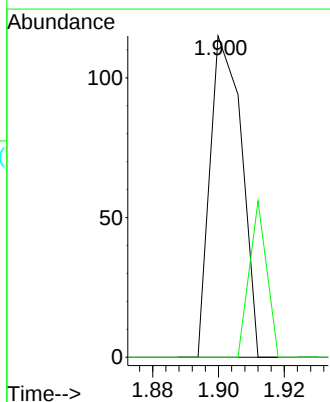
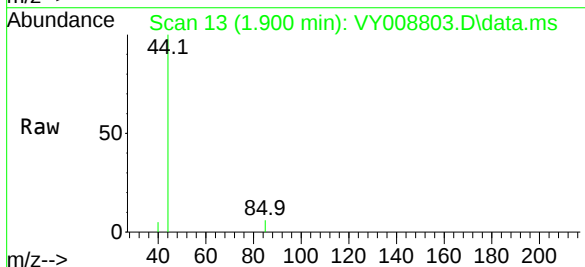
Instrument :
MSVOA_Y
ClientSampleId :

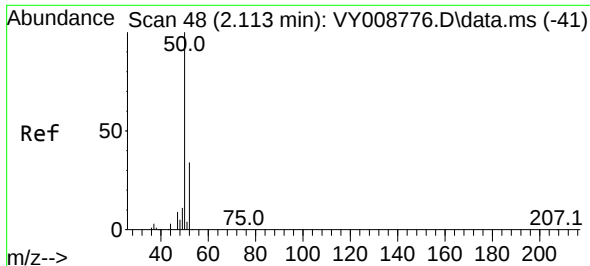
Tgt Ion:168 Resp: 110735
Ion Ratio Lower Upper
168 100
99 50.1 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY008803.D
Acq: 18 May 2022 04:03

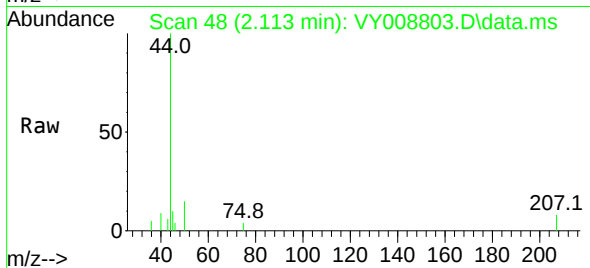
Tgt Ion: 85 Resp: 76
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#



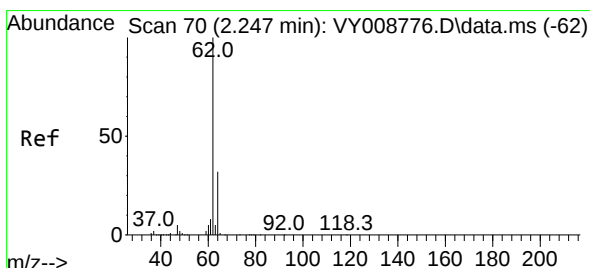
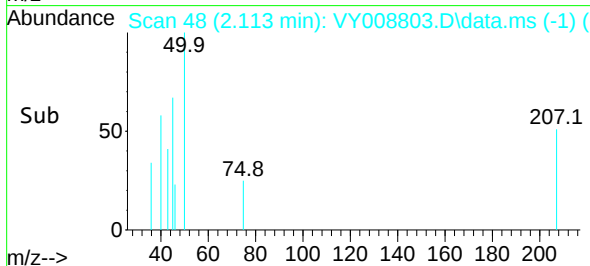
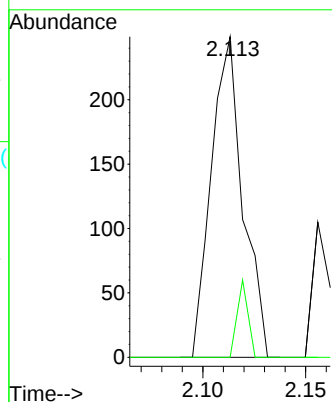


#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY008803.D
Acq: 18 May 2022 04:03

Instrument :
MSVOA_Y
ClientSampleId :

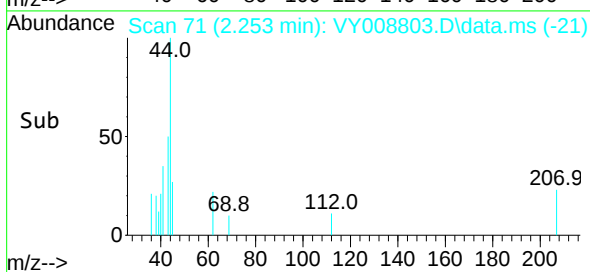
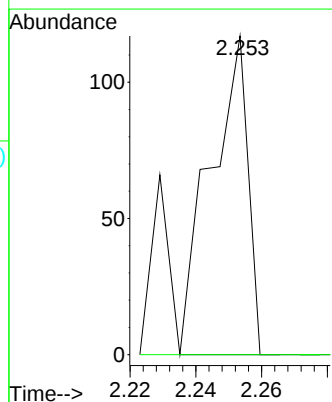
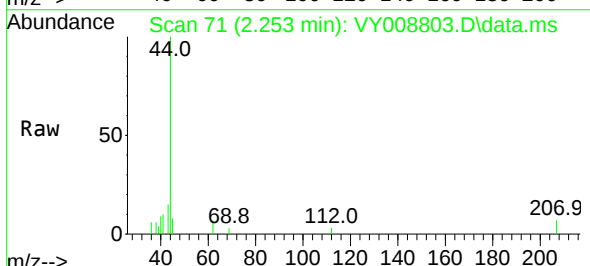


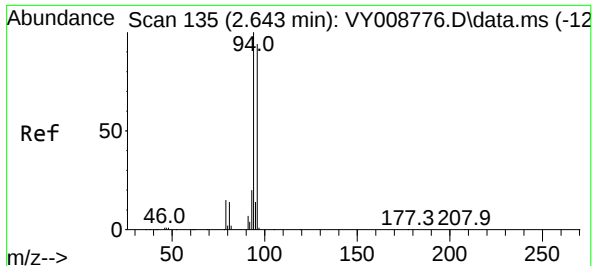
Tgt Ion: 50 Resp: 266
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.253 min Scan# 71
Delta R.T. 0.006 min
Lab File: VY008803.D
Acq: 18 May 2022 04:03

Tgt Ion: 62 Resp: 93
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

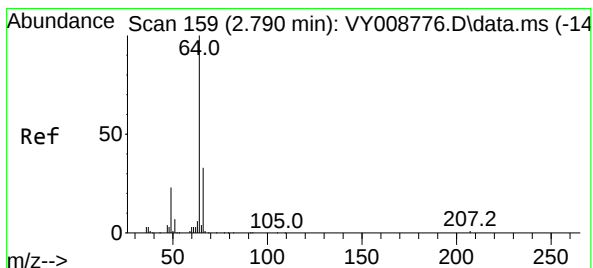
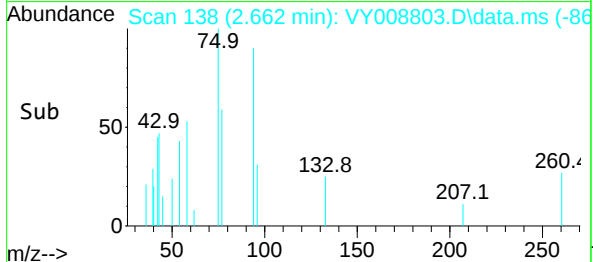
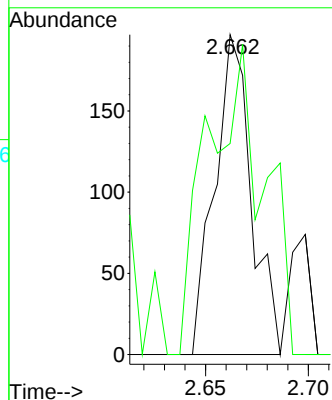
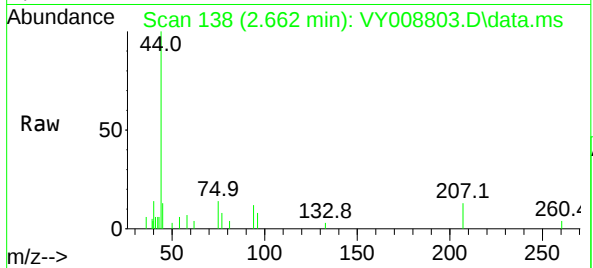




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.019 min
Lab File: VY008803.D
Acq: 18 May 2022 04:03

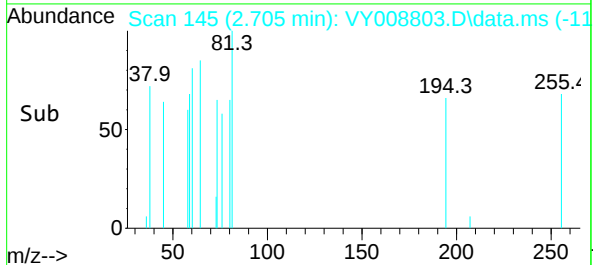
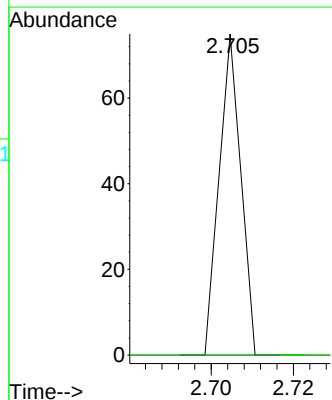
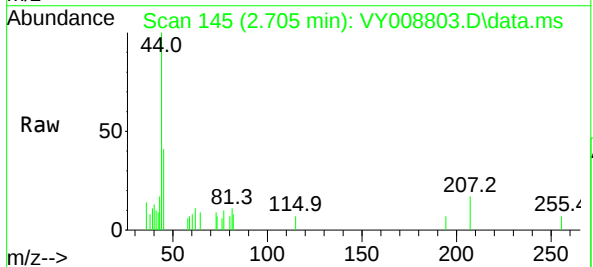
Instrument :
MSVOA_Y
ClientSampleId :

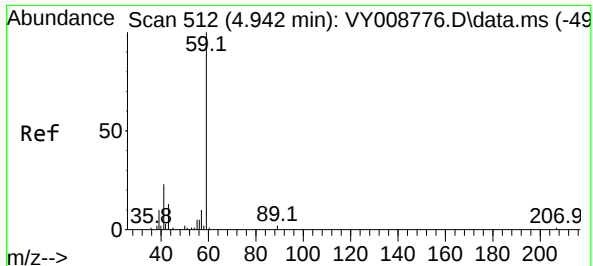
Tgt Ion: 94 Resp: 245
Ion Ratio Lower Upper
94 100
96 66.0 73.5 110.3#



#6
Chloroethane
Concen: Below Cal
RT: 2.705 min Scan# 145
Delta R.T. -0.085 min
Lab File: VY008803.D
Acq: 18 May 2022 04:03

Tgt Ion: 64 Resp: 27
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#





#11

Tert butyl alcohol

Concen: 2.052 ug/l

RT: 4.924 min Scan# 509

Delta R.T. -0.018 min

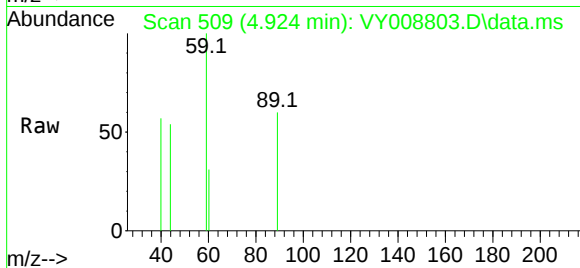
Lab File: VY008803.D

Acq: 18 May 2022 04:03

Instrument :

MSVOA_Y

ClientSampleId :

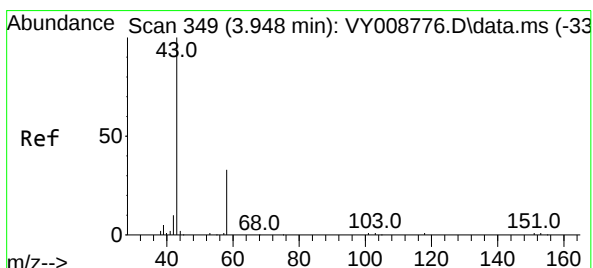
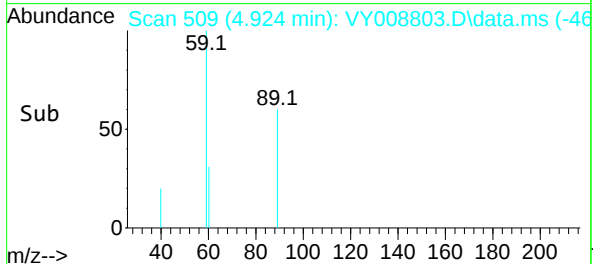
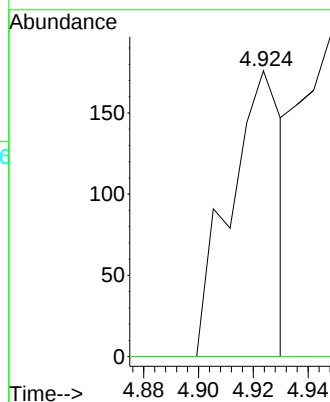


Tgt Ion: 59 Resp: 233

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: Below Cal

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY008803.D

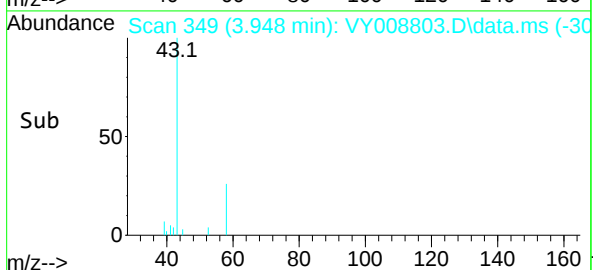
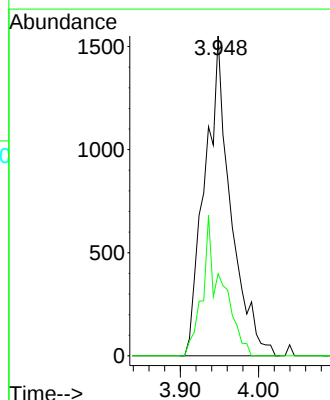
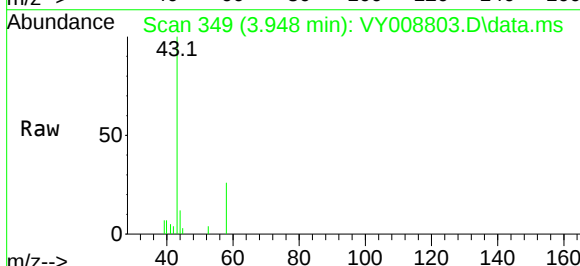
Acq: 18 May 2022 04:03

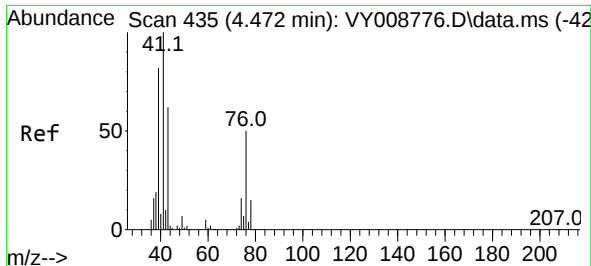
Tgt Ion: 43 Resp: 3544

Ion Ratio Lower Upper

43 100

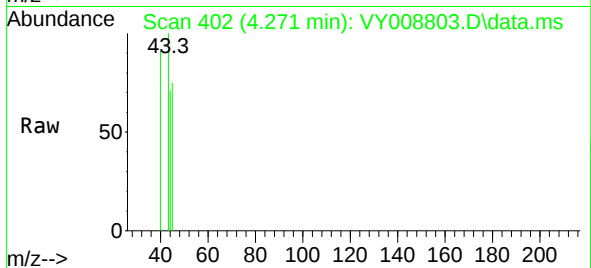
58 25.7 22.0 33.0



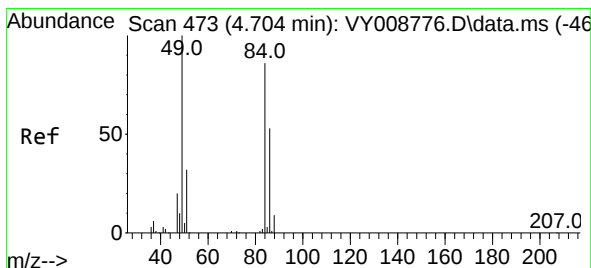
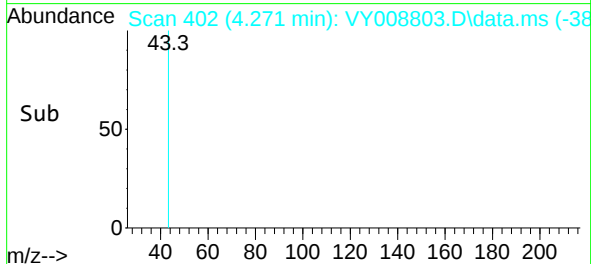
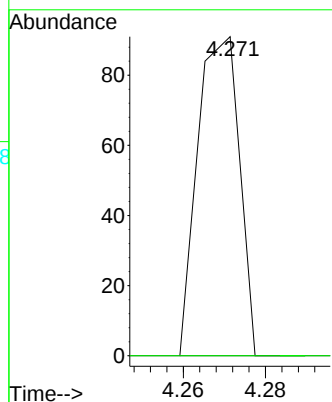


#18
Methyl Acetate
Concen: Below Cal
RT: 4.271 min Scan# 402
Delta R.T. -0.201 min
Lab File: VY008803.D
Acq: 18 May 2022 04:03

Instrument :
MSVOA_Y
ClientSampleId :

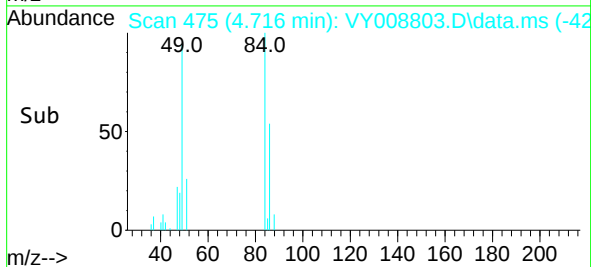
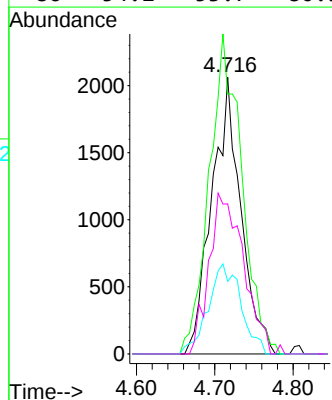
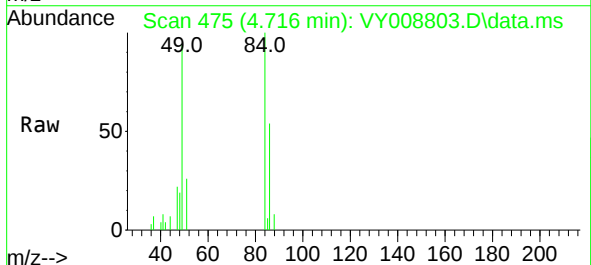


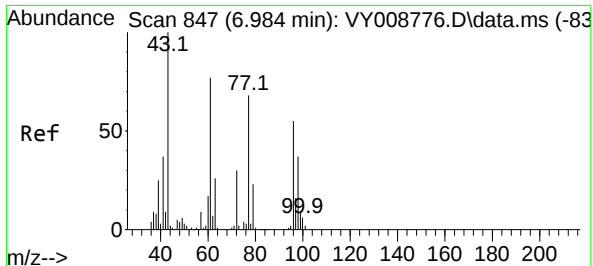
Tgt Ion: 43 Resp: 64
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY008803.D
Acq: 18 May 2022 04:03

Tgt Ion: 84 Resp: 5309
Ion Ratio Lower Upper
84 100
49 94.0 114.4 171.6#
51 26.2 35.3 52.9#
86 54.2 53.7 80.5





#25

2-Butanone

Concen: 2.194 ug/l

RT: 6.990 min Scan# 84

Delta R.T. 0.006 min

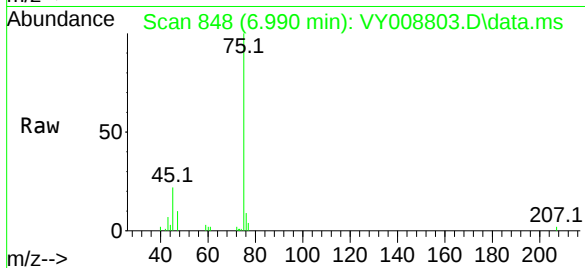
Lab File: VY008803.D

Acq: 18 May 2022 04:03

Instrument :

MSVOA_Y

ClientSampleId :

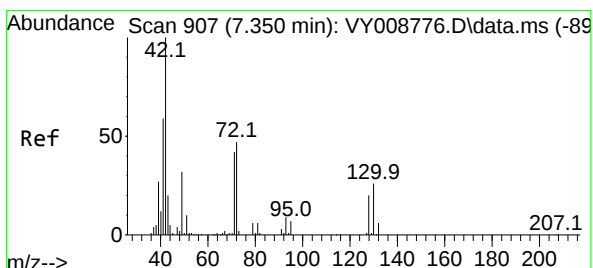
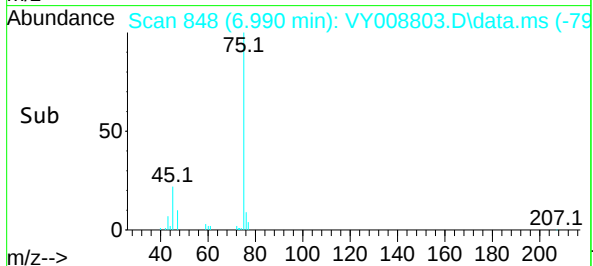
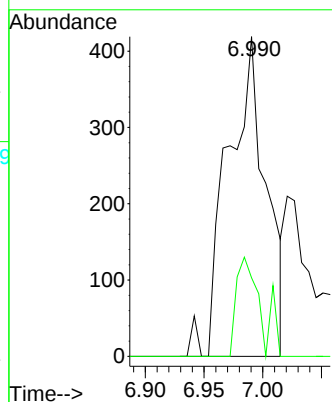


Tgt Ion: 43 Resp: 946

Ion Ratio Lower Upper

43 100

72 24.6 17.7 26.5



#29

Tetrahydrofuran

Concen: 2.531 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.000 min

Lab File: VY008803.D

Acq: 18 May 2022 04:03

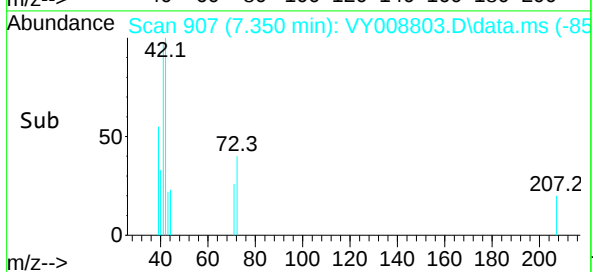
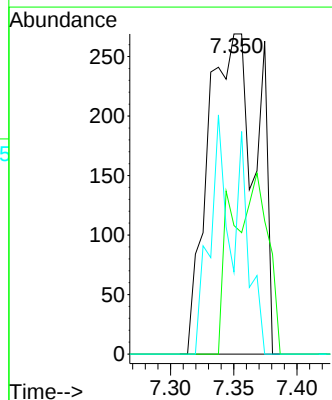
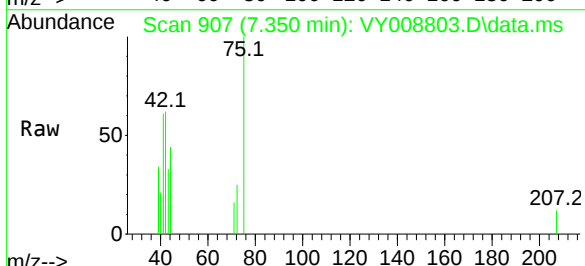
Tgt Ion: 42 Resp: 727

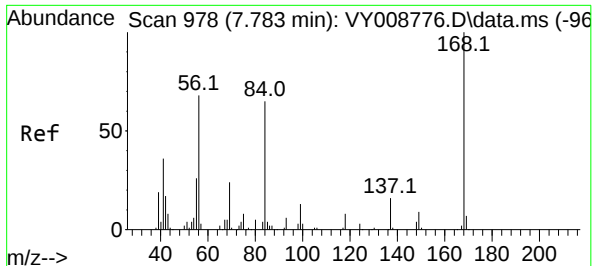
Ion Ratio Lower Upper

42 100

72 0.0 30.3 45.5#

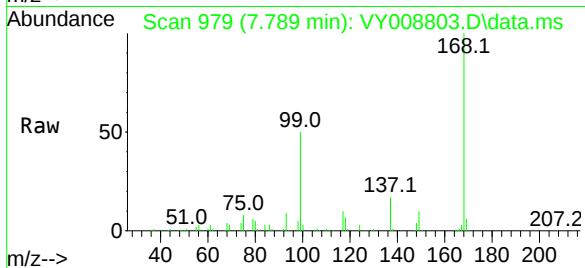
71 27.6 29.0 43.4#



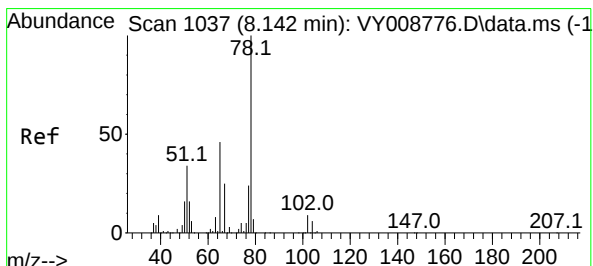
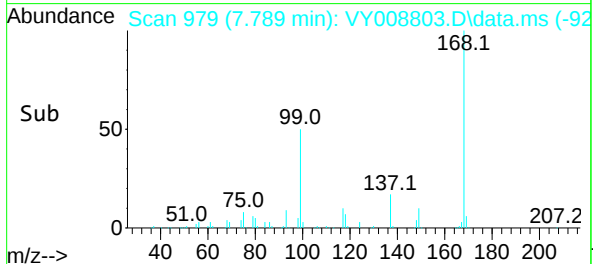
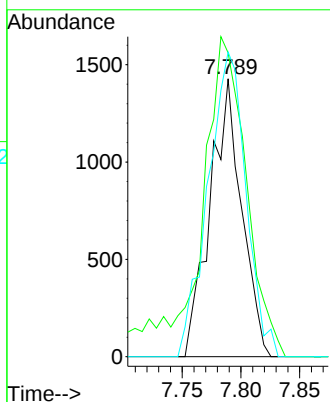


#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008803.D
Acq: 18 May 2022 04:03

Instrument :
MSVOA_Y
ClientSampleId :

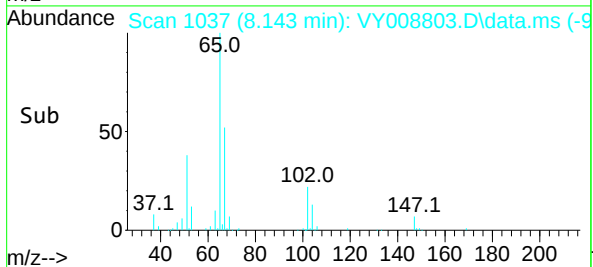
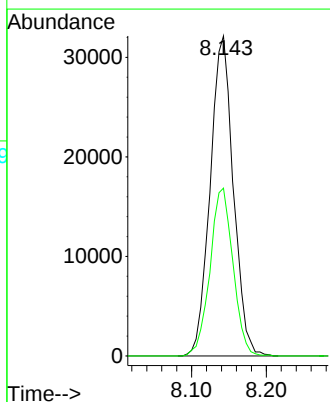
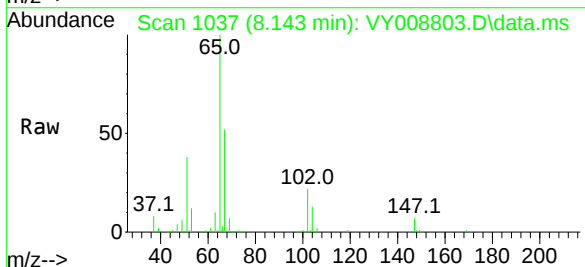


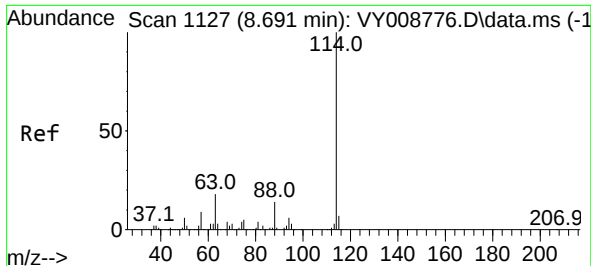
Tgt Ion: 56 Resp: 2670
Ion Ratio Lower Upper
56 100
69 103.6 26.7 40.1#
84 109.6 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 67.351 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY008803.D
Acq: 18 May 2022 04:03

Tgt Ion: 65 Resp: 69189
Ion Ratio Lower Upper
65 100
67 52.1 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: VY008803.D

Acq: 18 May 2022 04:03

Instrument :

MSVOA_Y

ClientSampleId :

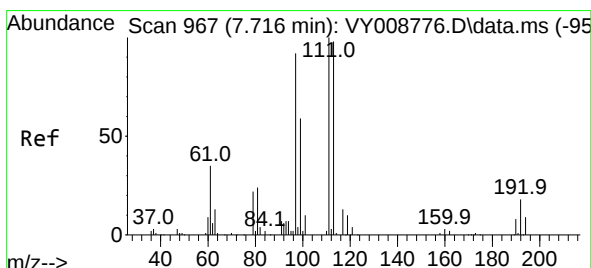
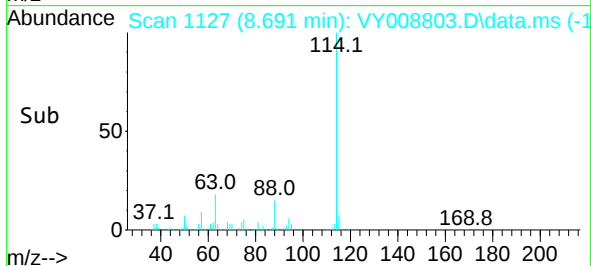
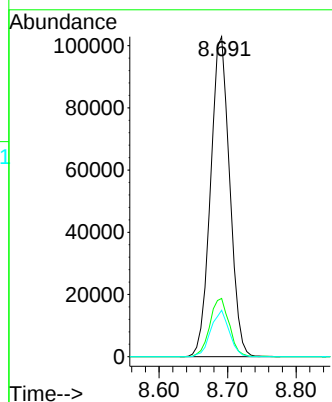
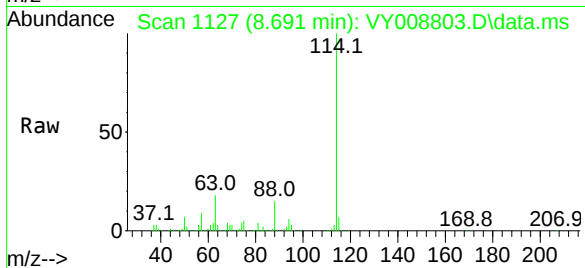
Tgt Ion:114 Resp: 198794

Ion Ratio Lower Upper

114 100

63 18.2 0.0 43.2

88 14.5 0.0 31.8



#35

Dibromofluoromethane

Concen: 55.017 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY008803.D

Acq: 18 May 2022 04:03

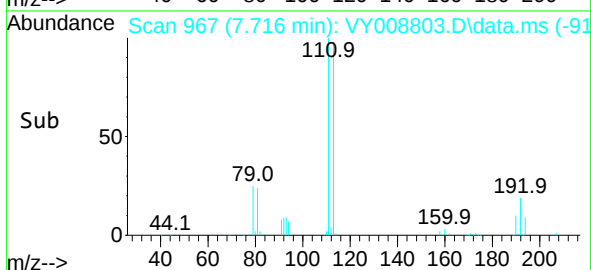
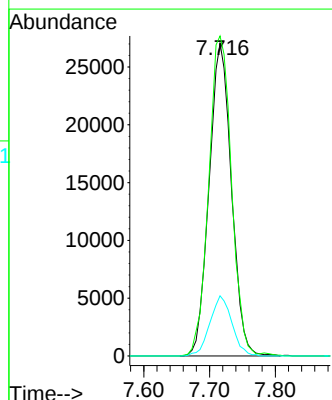
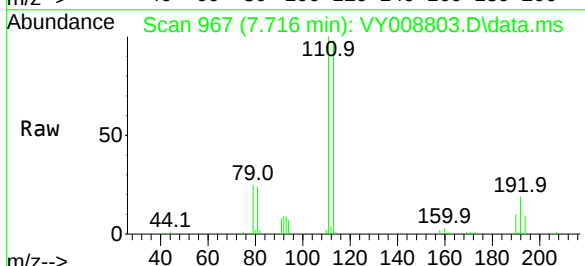
Tgt Ion:113 Resp: 63903

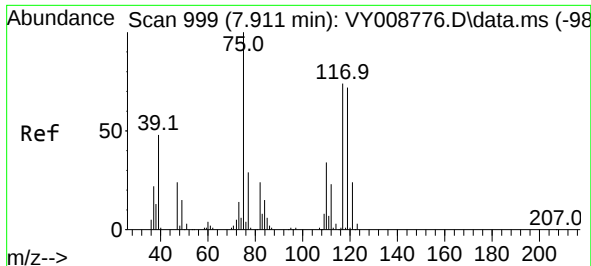
Ion Ratio Lower Upper

113 100

111 104.3 82.6 124.0

192 19.0 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.681 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.122 min

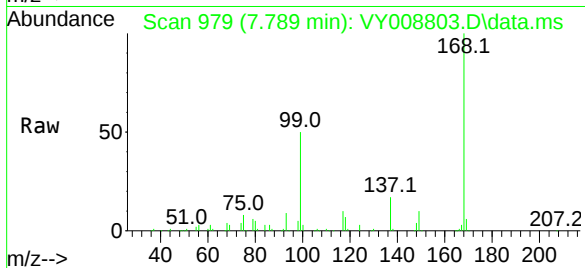
Lab File: VY008803.D

Acq: 18 May 2022 04:03

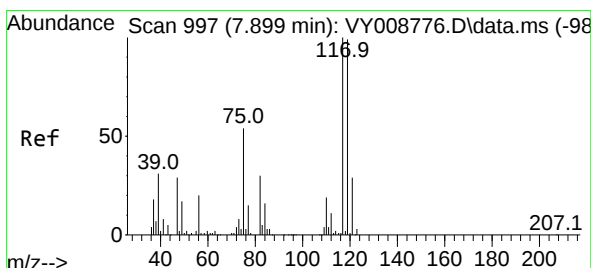
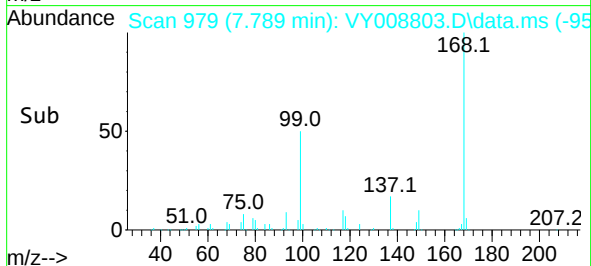
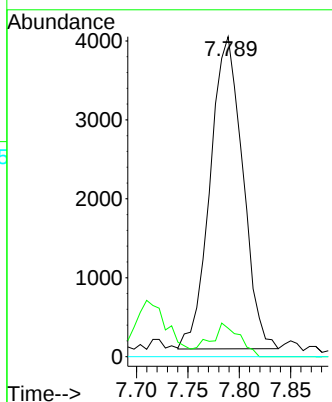
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 8708
Ion Ratio	Lower Upper
75	100
110	9.6 17.1 51.2#
77	0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.472 ug/l

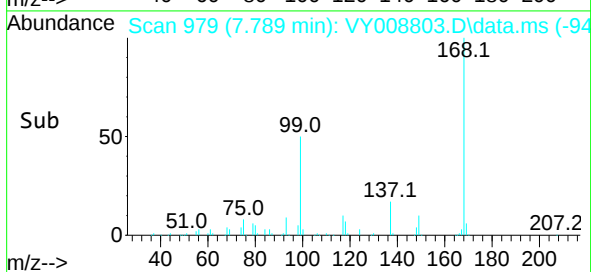
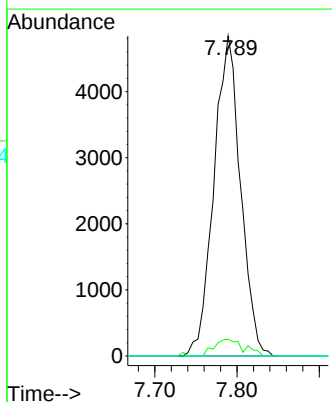
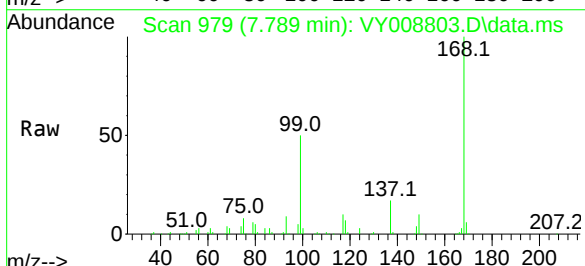
RT: 7.789 min Scan# 979

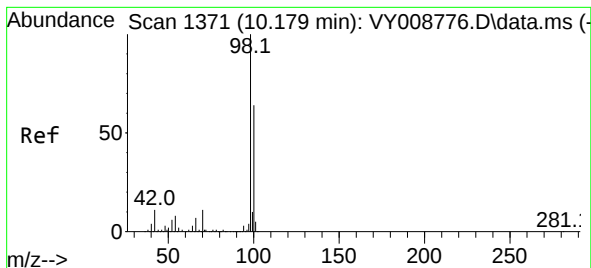
Delta R.T. -0.110 min

Lab File: VY008803.D

Acq: 18 May 2022 04:03

Tgt Ion: 117	Resp: 10910
Ion Ratio	Lower Upper
117	100
119	5.2 77.9 116.9#
121	0.0 24.8 37.2#

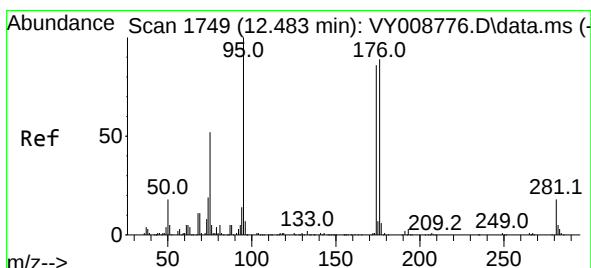
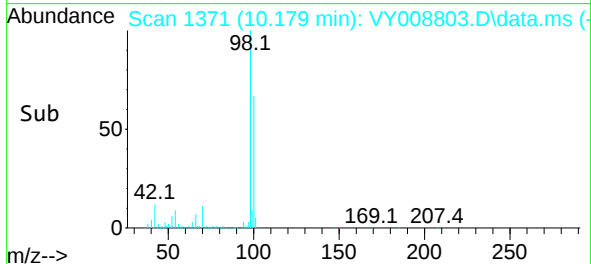
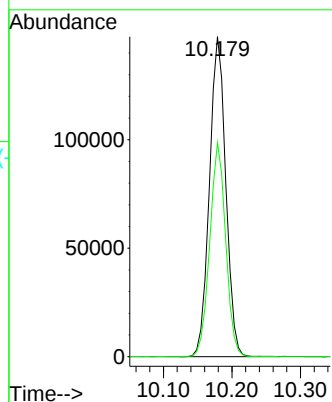
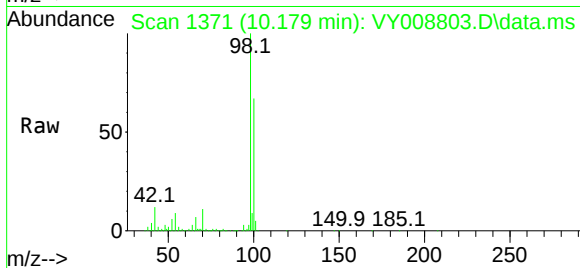




#50
Toluene-d8
Concen: 47.487 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008803.D
Acq: 18 May 2022 04:03

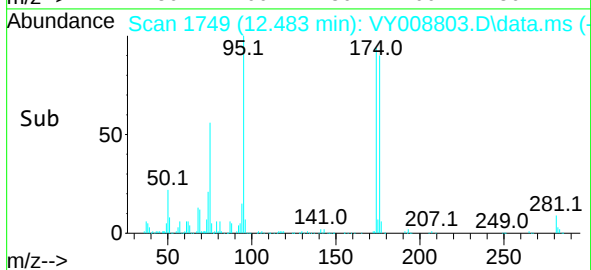
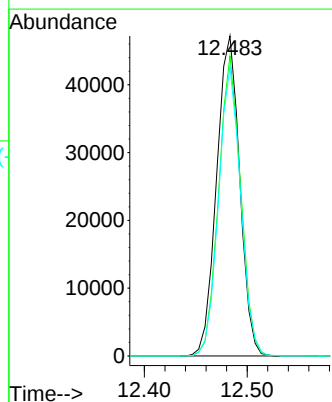
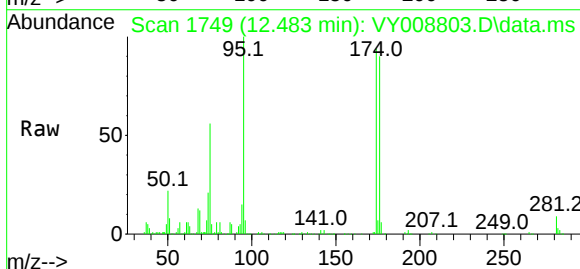
Instrument :
MSVOA_Y
ClientSampleId :

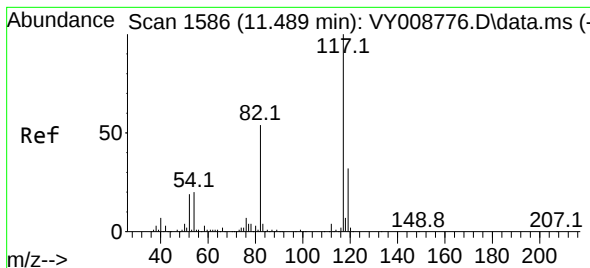
Tgt Ion: 98 Resp: 244291
Ion Ratio Lower Upper
98 100
100 65.2 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 40.627 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008803.D
Acq: 18 May 2022 04:03

Tgt Ion: 95 Resp: 73559
Ion Ratio Lower Upper
95 100
174 89.6 0.0 177.0
176 86.3 0.0 175.8

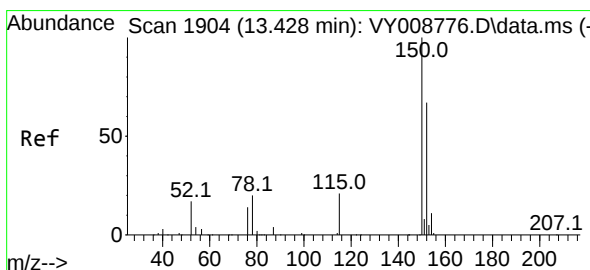
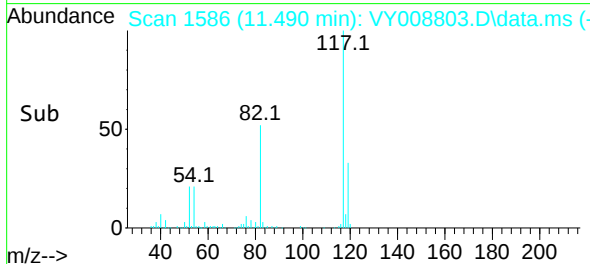
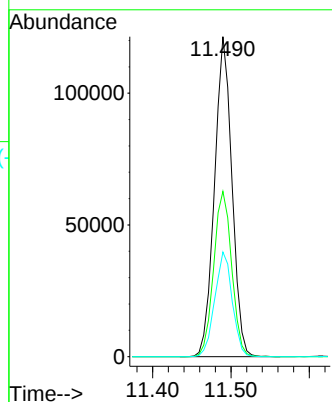
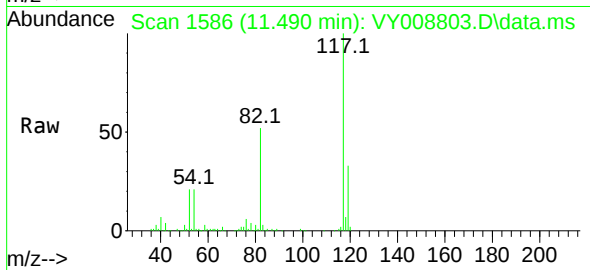




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY008803.D
Acq: 18 May 2022 04:03

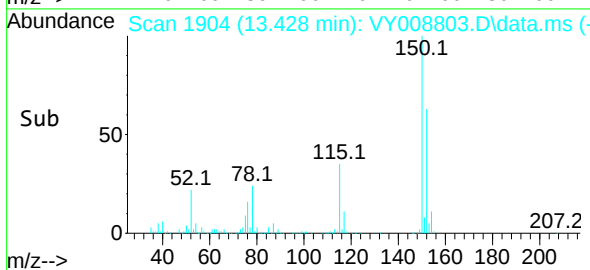
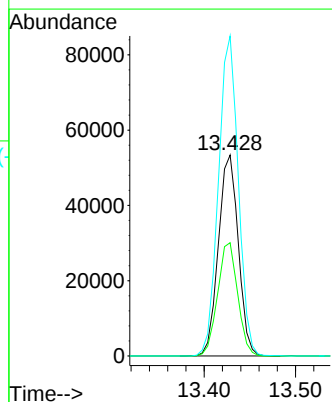
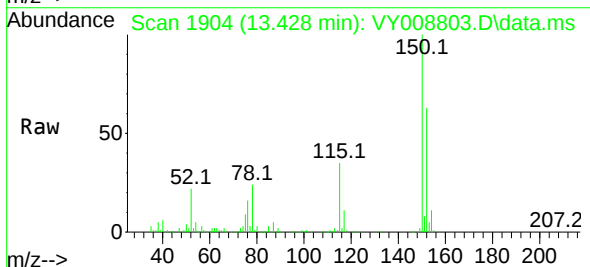
Instrument :
MSVOA_Y
ClientSampleId :

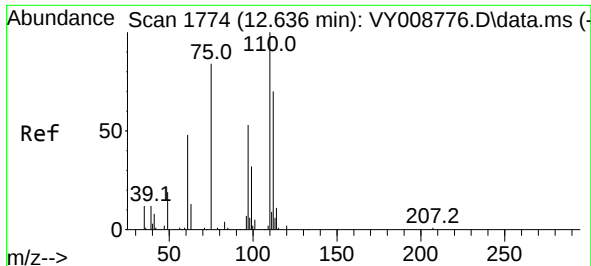
Tgt Ion:117 Resp: 188078
Ion Ratio Lower Upper
117 100
82 51.6 43.0 64.4
119 32.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008803.D
Acq: 18 May 2022 04:03

Tgt Ion:152 Resp: 80943
Ion Ratio Lower Upper
152 100
115 56.7 28.2 84.7
150 158.5 0.0 347.6

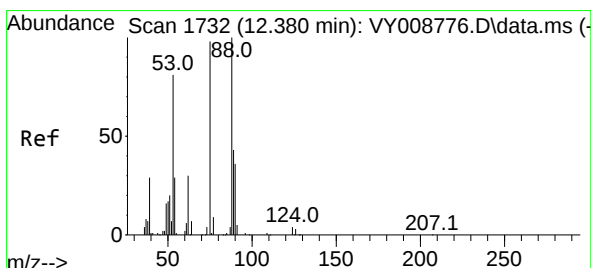
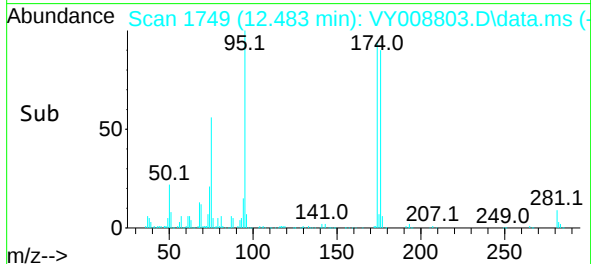
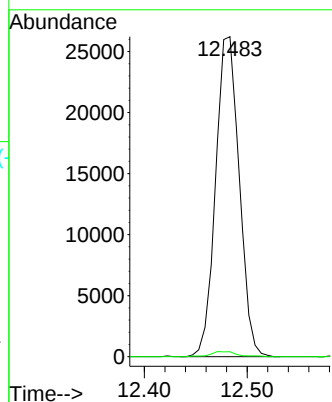
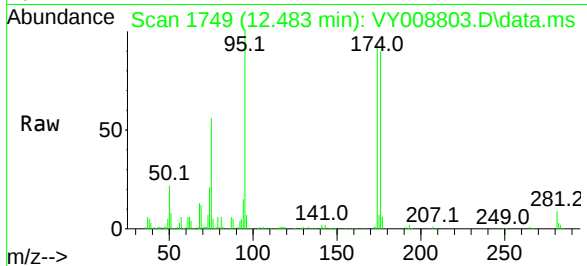




#76
1,2,3-Trichloropropane
Concen: 44.748 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY008803.D
Acq: 18 May 2022 04:03

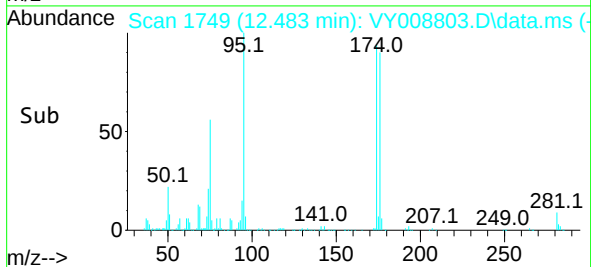
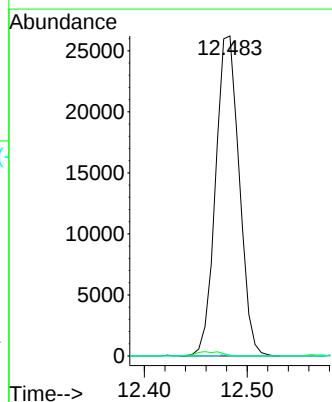
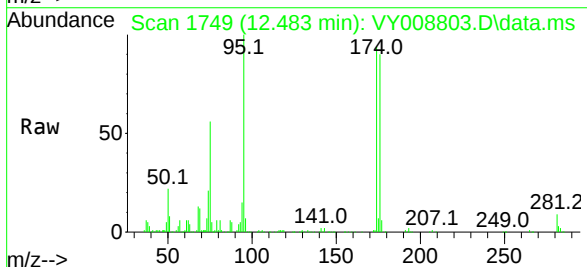
Instrument :
MSVOA_Y
ClientSampleId :

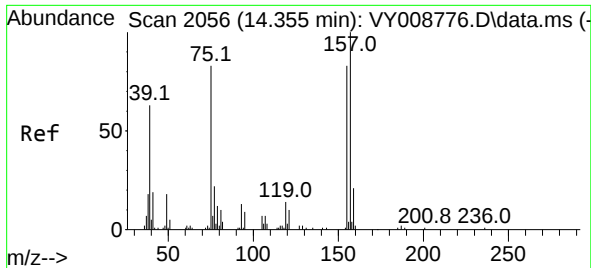
Tgt Ion: 75 Resp: 41840
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.877 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY008803.D
Acq: 18 May 2022 04:03

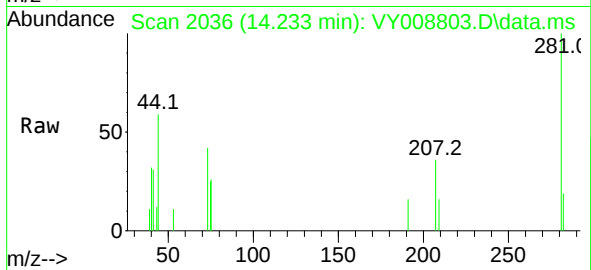
Tgt Ion: 75 Resp: 41840
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.2 37.0 55.4#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.275 ug/l
 RT: 14.233 min Scan# 2056
 Delta R.T. -0.122 min
 Lab File: VY008803.D
 Acq: 18 May 2022 04:03

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 269
 Ion Ratio Lower Upper
 75 100
 155 0.0 38.0 113.9#
 157 0.0 47.8 143.3#

