

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050322\
 Data File : VY008588.D
 Acq On : 03 May 2022 13:45
 Operator : KP/MD
 Sample : N2605-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-042822

Quant Time: May 03 16:57:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 01:57:20 2022
 Response via : Initial Calibration

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

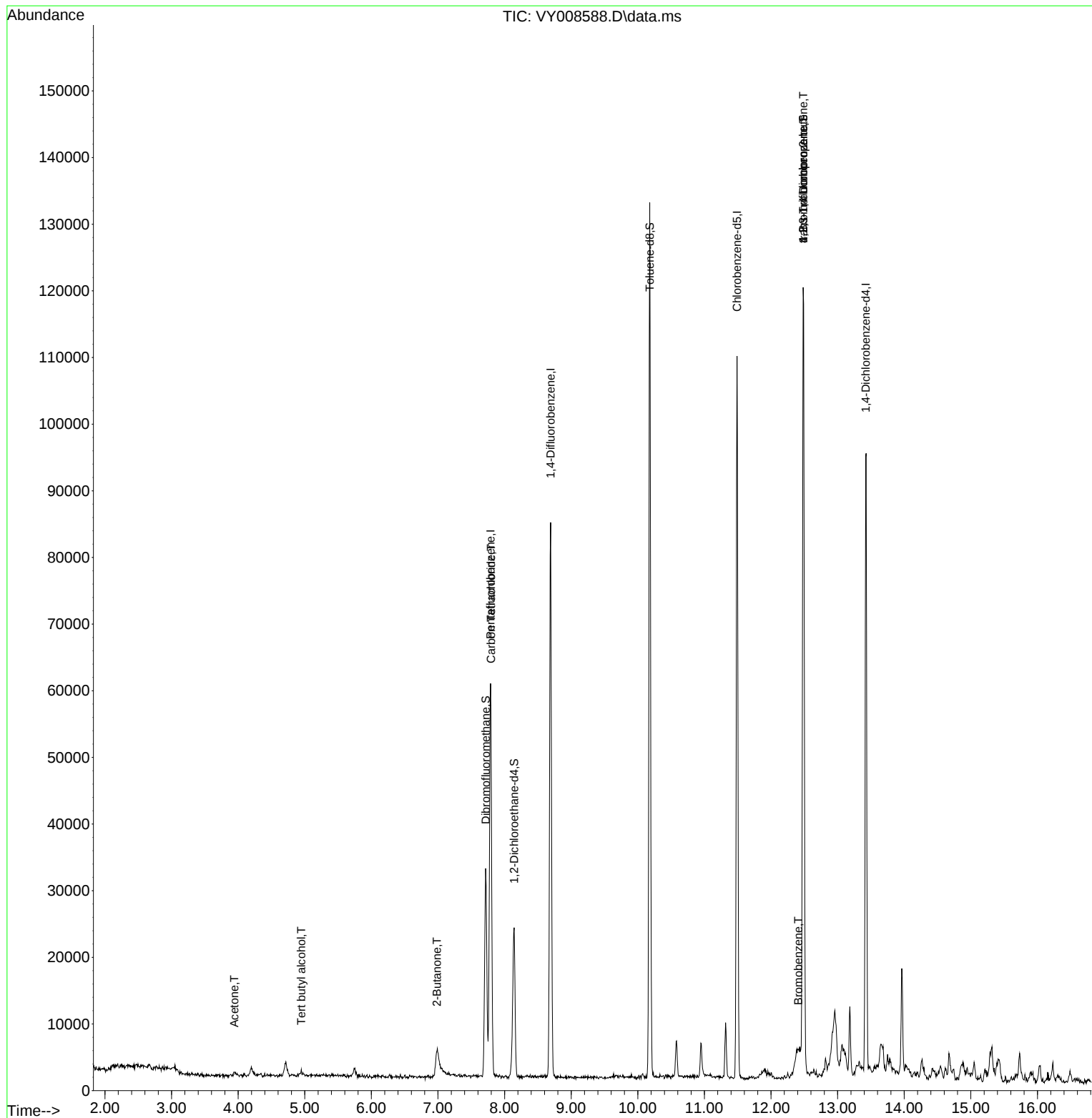
Internal Standards						
1) Pentafluorobenzene	7.789	168	51012	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	77910	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	65181	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	26724	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	16322	32.921	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	65.840%
35) Dibromofluoromethane	7.716	113	22714	44.060	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.120%
50) Toluene-d8	10.179	98	88413	48.408	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.820%
62) 4-Bromofluorobenzene	12.483	95	24727	36.938	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	73.880%
Target Compounds						
					Qvalue	
5) Bromomethane	2.668	94	254	Below Cal	#	76
11) Tert butyl alcohol	4.948	59	1122	1.368	ug/l #	77
16) Acetone	3.942	43	1039	9.726	ug/l #	82
18) Methyl Acetate	4.485	43	23	Below Cal	#	56
20) Methylene Chloride	4.716	84	1784	Below Cal	#	65
25) 2-Butanone	6.984	43	265	1.545	ug/l #	54
38) Carbon Tetrachloride	7.795	117	4587	5.015	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	12888	45.178	ug/l #	100
77) Bromobenzene	12.410	156	3792	6.894	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.483	75	12888	91.594	ug/l #	8

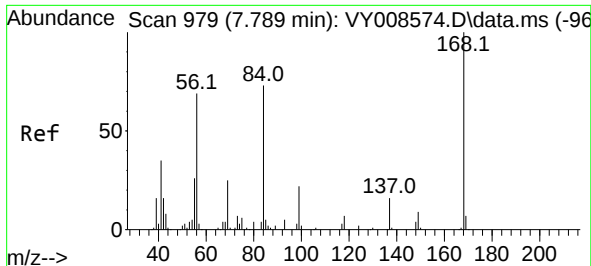
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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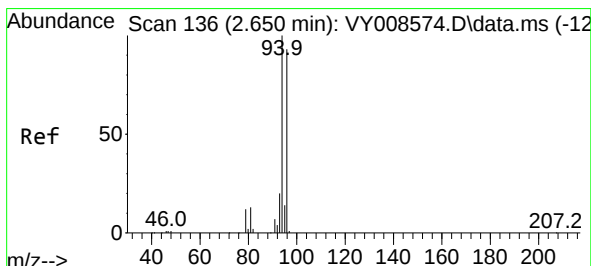
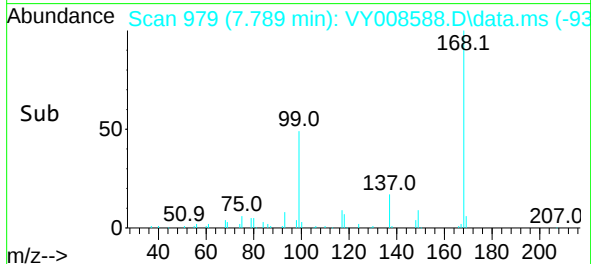
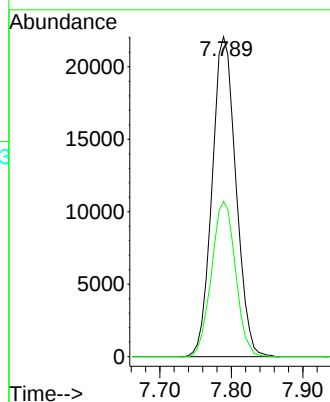
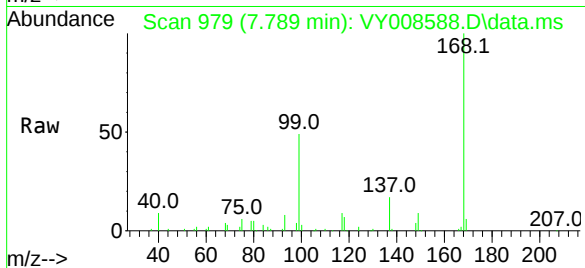




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008588.D
Acq: 03 May 2022 13:45

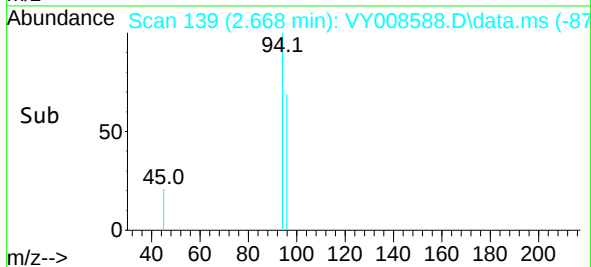
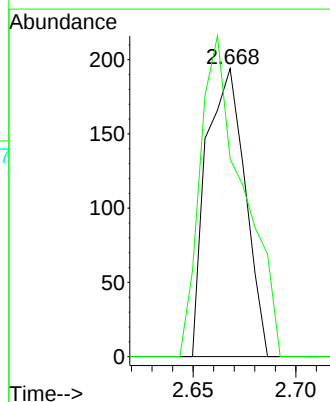
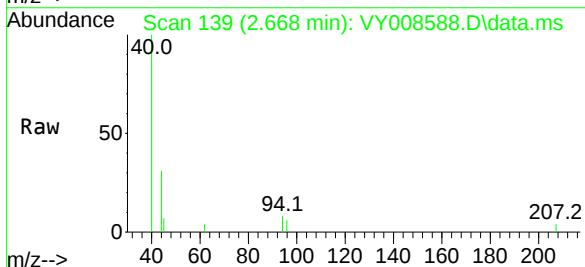
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-042822

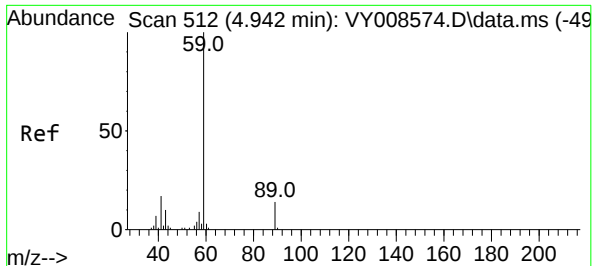
Tgt Ion:168 Resp: 51012
Ion Ratio Lower Upper
168 100
99 48.5 46.9 70.3



#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 139
Delta R.T. 0.018 min
Lab File: VY008588.D
Acq: 03 May 2022 13:45

Tgt Ion: 94 Resp: 254
Ion Ratio Lower Upper
94 100
96 68.6 73.5 110.3#





#11

Tert butyl alcohol

Concen: 1.368 ug/l

RT: 4.948 min Scan# 512

Delta R.T. 0.006 min

Lab File: VY008588.D

Acq: 03 May 2022 13:45

Instrument :

MSVOA_Y

ClientSampleId :

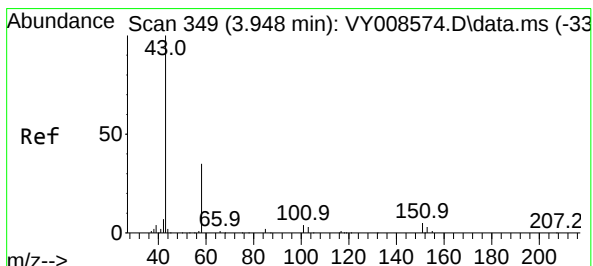
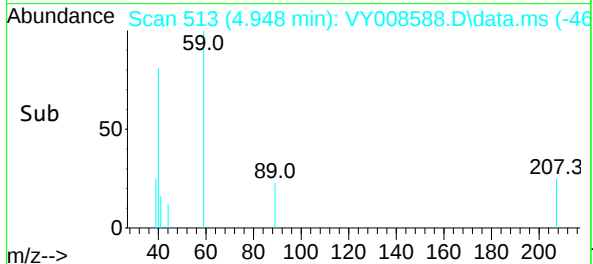
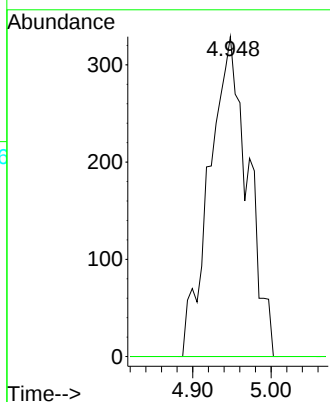
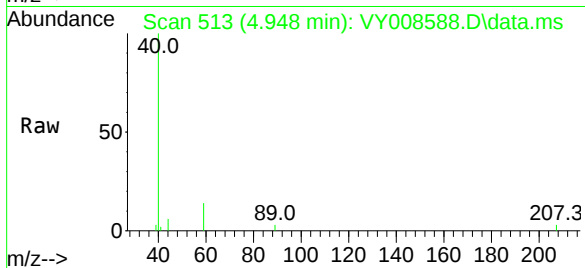
TR-04-042822

Tgt Ion: 59 Resp: 1122

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 9.726 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.006 min

Lab File: VY008588.D

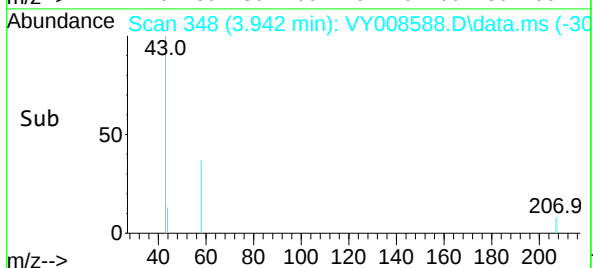
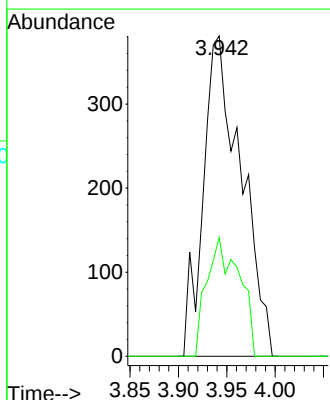
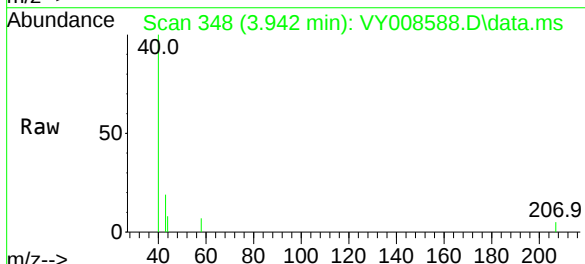
Acq: 03 May 2022 13:45

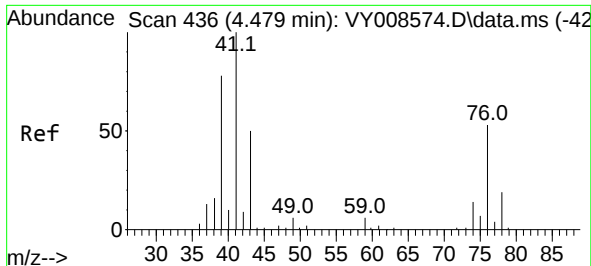
Tgt Ion: 43 Resp: 1039

Ion Ratio Lower Upper

43 100

58 37.0 22.0 33.0#

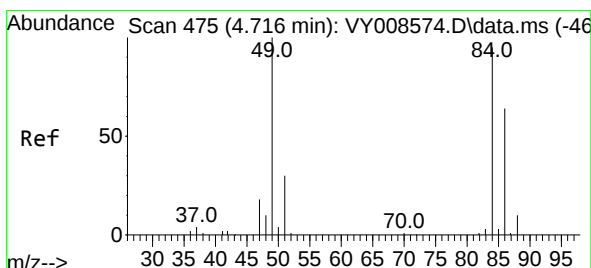
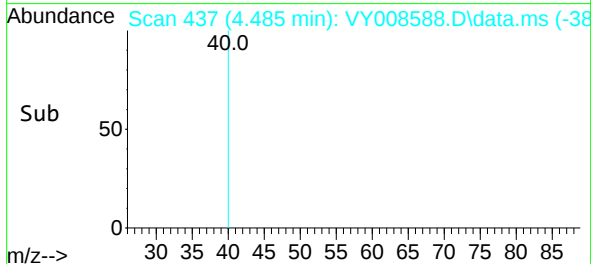
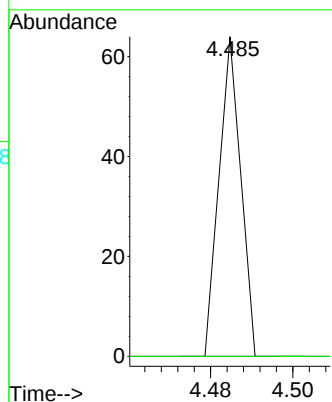
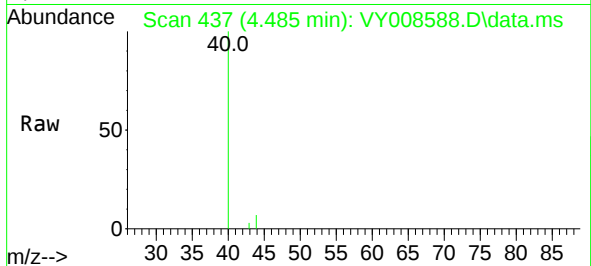




#18
Methyl Acetate
Concen: Below Cal
RT: 4.485 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY008588.D
Acq: 03 May 2022 13:45

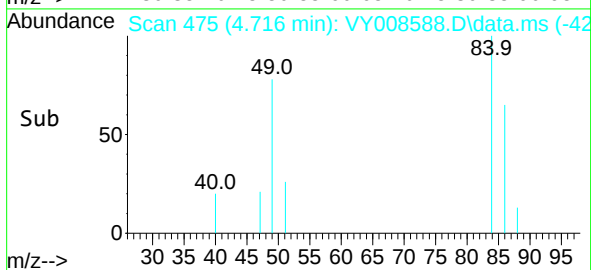
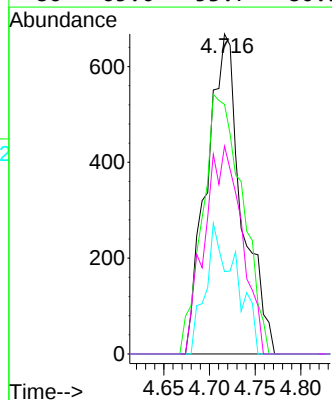
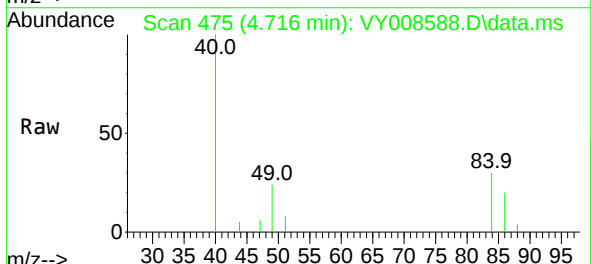
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-042822

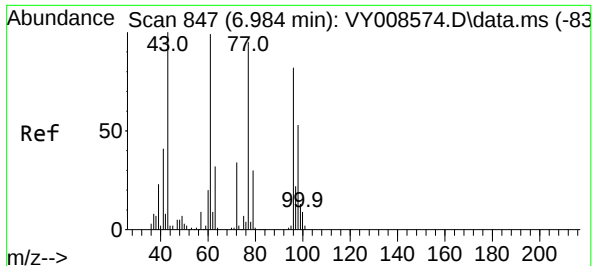
Tgt Ion: 43 Resp: 23
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY008588.D
Acq: 03 May 2022 13:45

Tgt Ion: 84 Resp: 1784
Ion Ratio Lower Upper
84 100
49 78.0 114.4 171.6#
51 25.7 35.3 52.9#
86 65.0 53.7 80.5





#25

2-Butanone

Concen: 1.545 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY008588.D

Acq: 03 May 2022 13:45

Instrument :

MSVOA_Y

ClientSampleId :

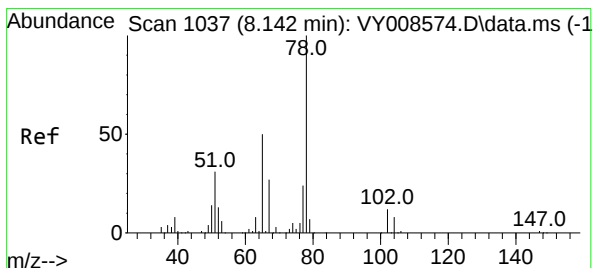
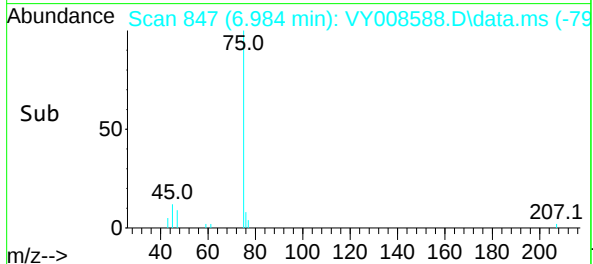
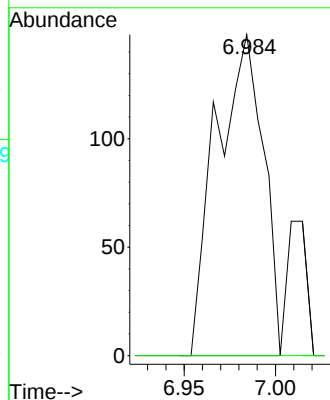
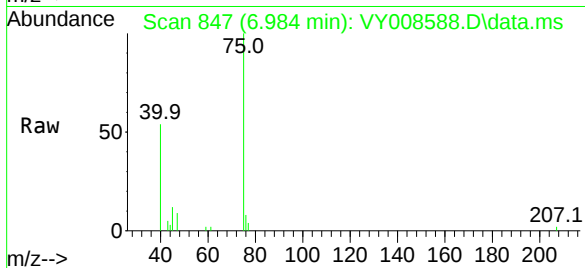
TR-04-042822

Tgt Ion: 43 Resp: 265

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#33

1,2-Dichloroethane-d4

Concen: 32.921 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY008588.D

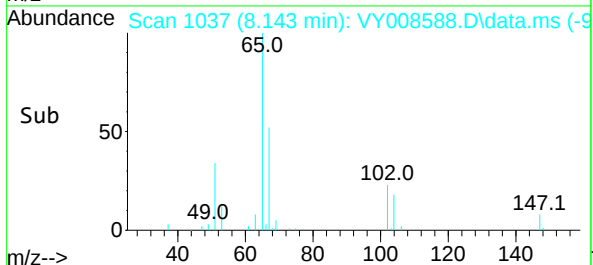
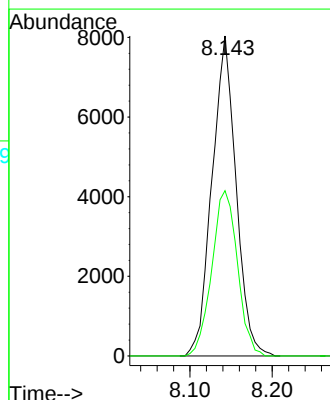
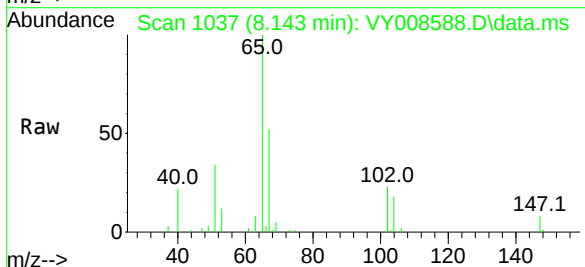
Acq: 03 May 2022 13:45

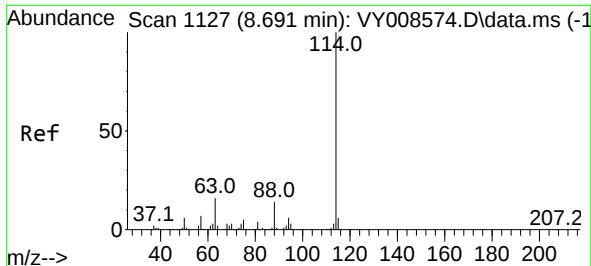
Tgt Ion: 65 Resp: 16322

Ion Ratio Lower Upper

65 100

67 55.1 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: VY008588.D

Acq: 03 May 2022 13:45

Instrument :

MSVOA_Y

ClientSampleId :

TR-04-042822

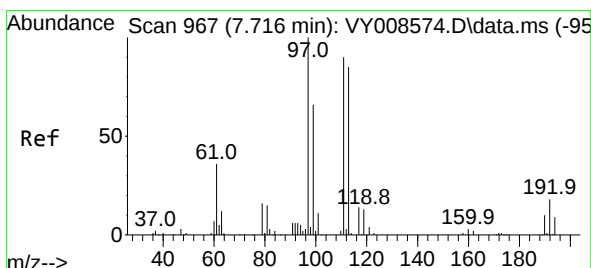
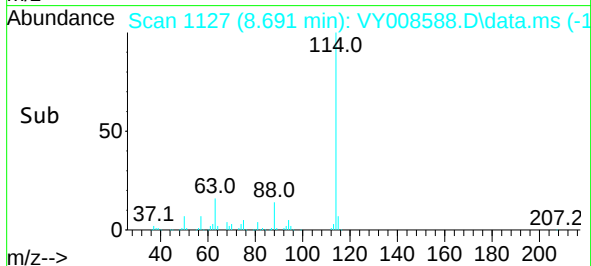
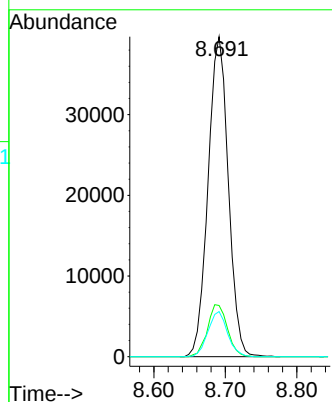
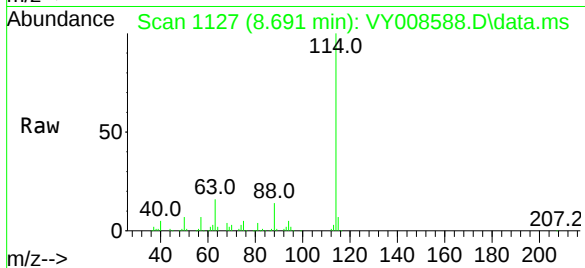
Tgt Ion:114 Resp: 77910

Ion Ratio Lower Upper

114 100

63 16.0 0.0 43.2

88 14.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 44.060 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY008588.D

Acq: 03 May 2022 13:45

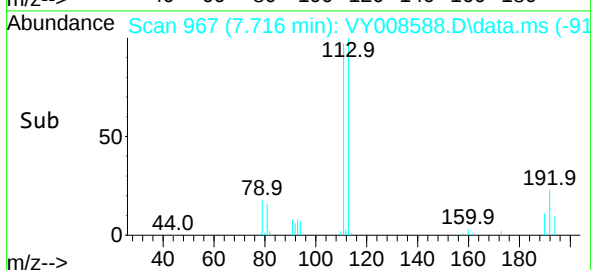
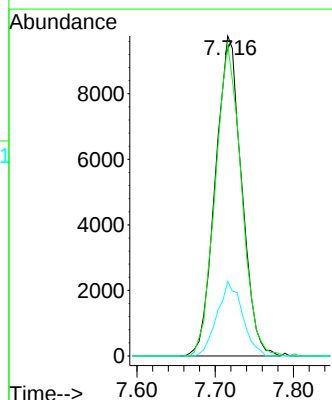
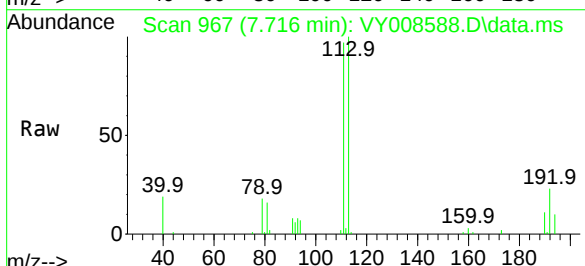
Tgt Ion:113 Resp: 22714

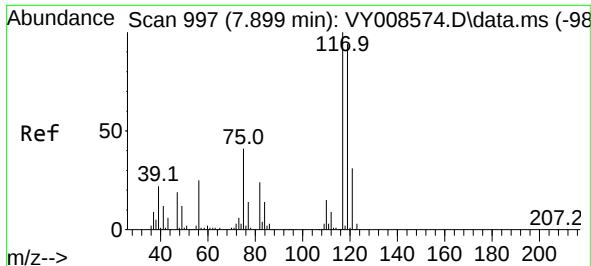
Ion Ratio Lower Upper

113 100

111 96.8 82.6 124.0

192 22.4 17.6 26.4

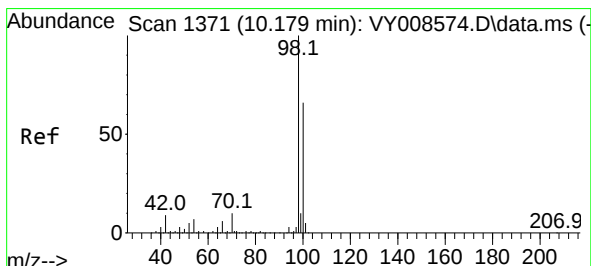
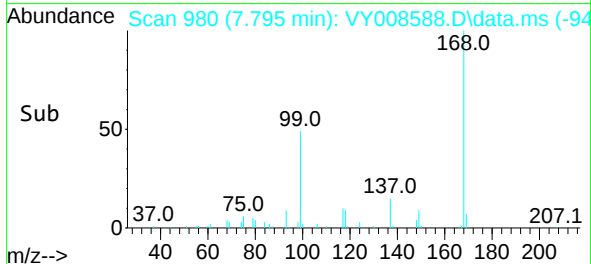
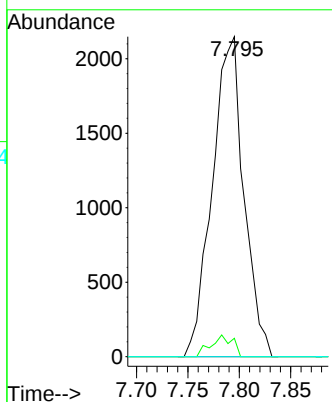
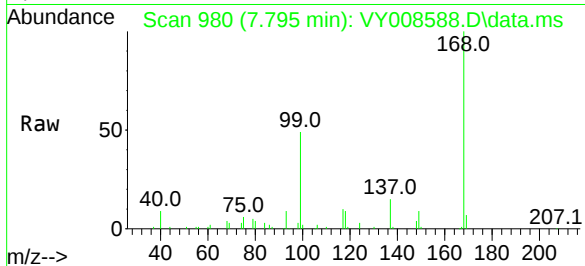




#38
Carbon Tetrachloride
Concen: 5.015 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY008588.D
Acq: 03 May 2022 13:45

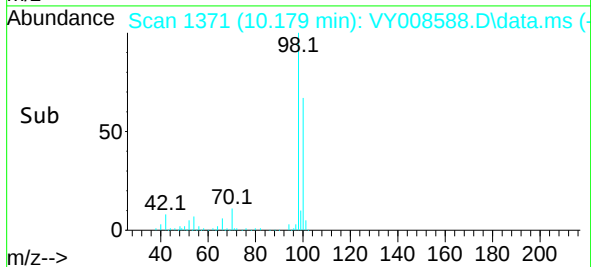
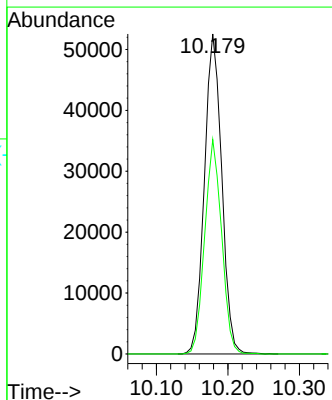
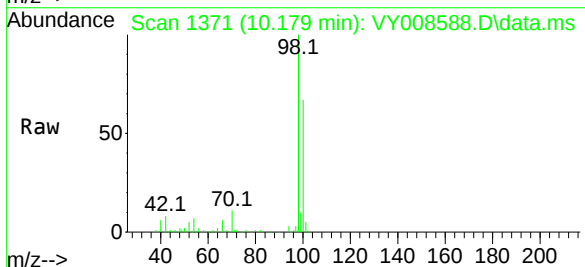
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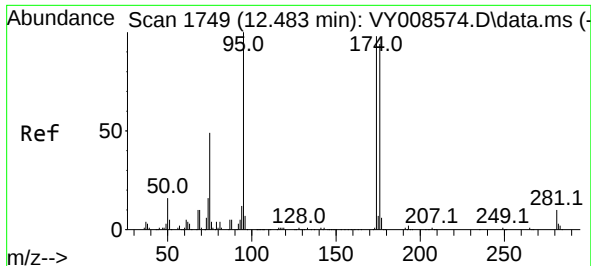
Tgt Ion:117 Resp: 4587
Ion Ratio Lower Upper
117 100
119 5.8 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 48.408 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY008588.D
Acq: 03 May 2022 13:45

Tgt Ion: 98 Resp: 88413
Ion Ratio Lower Upper
98 100
100 65.4 50.2 75.2

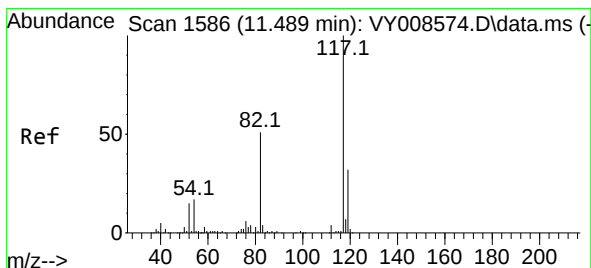
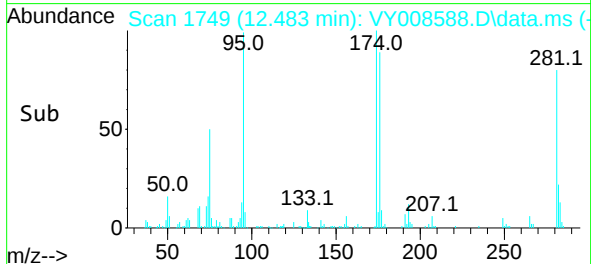
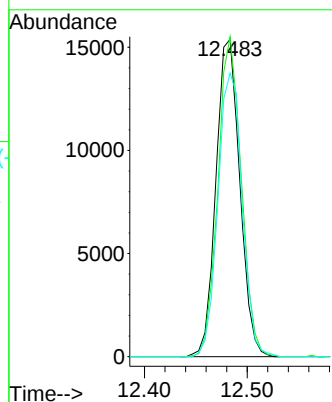
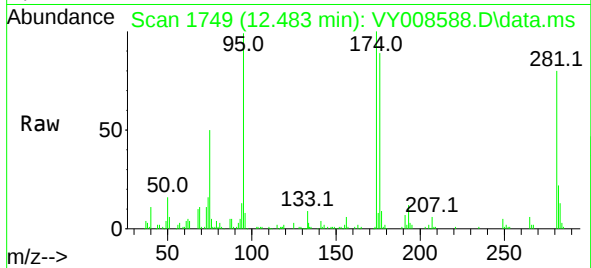




#62
4-Bromofluorobenzene
Concen: 36.938 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008588.D
Acq: 03 May 2022 13:45

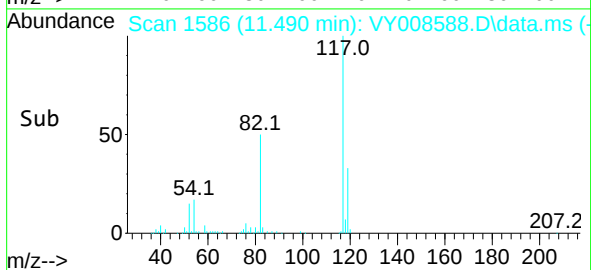
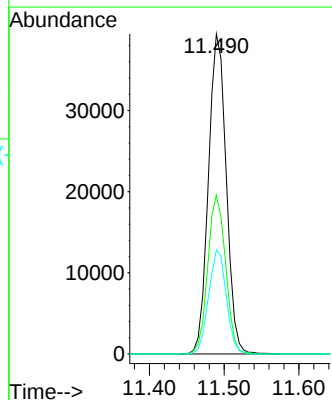
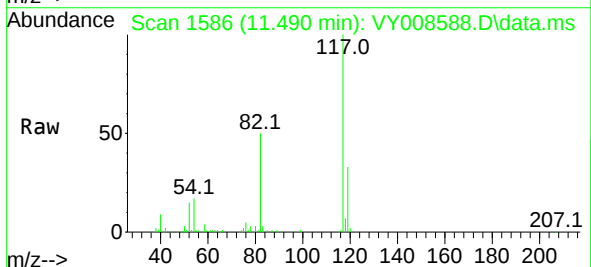
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-042822

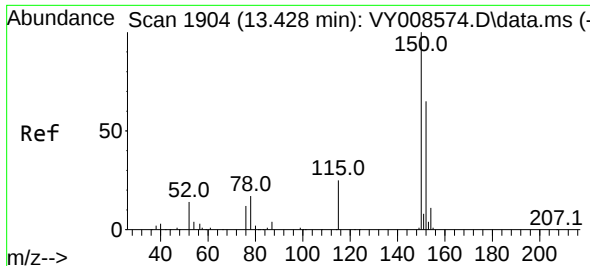
Tgt Ion: 95 Resp: 24727
Ion Ratio Lower Upper
95 100
174 98.7 0.0 177.0
176 91.2 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY008588.D
Acq: 03 May 2022 13:45

Tgt Ion: 117 Resp: 65181
Ion Ratio Lower Upper
117 100
82 49.7 43.0 64.4
119 32.6 25.4 38.0

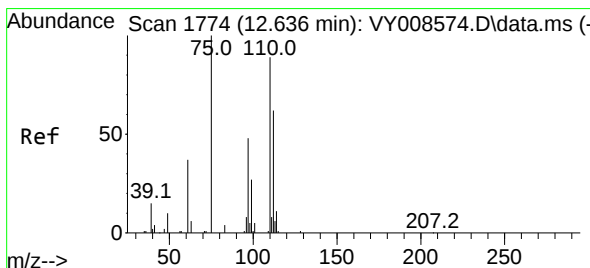
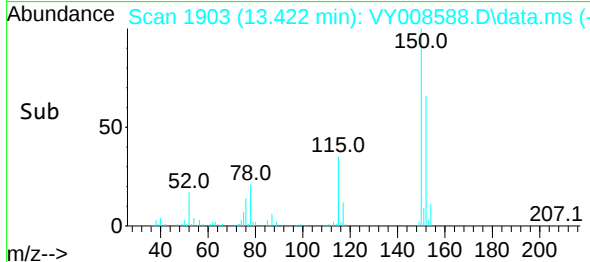
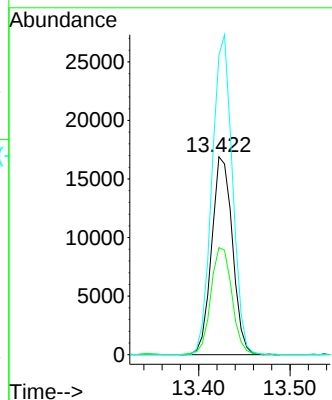
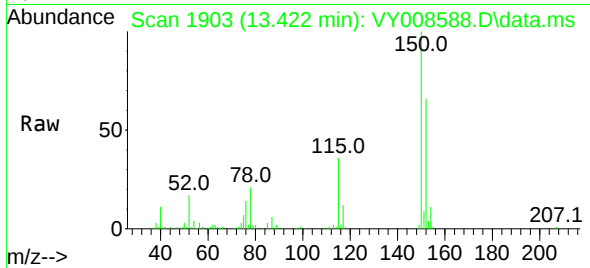




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1904
 Delta R.T. -0.006 min
 Lab File: VY008588.D
 Acq: 03 May 2022 13:45

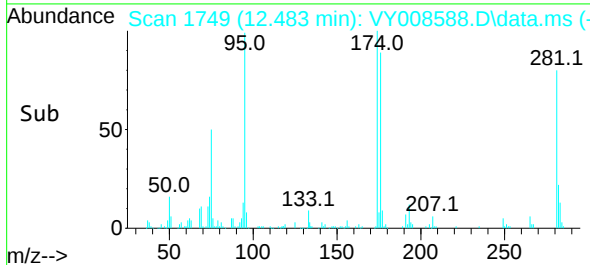
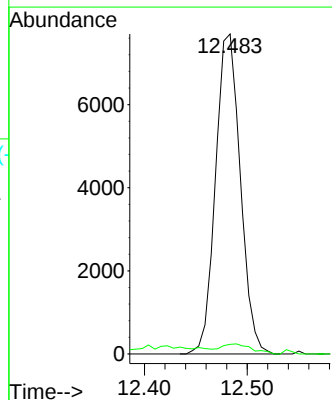
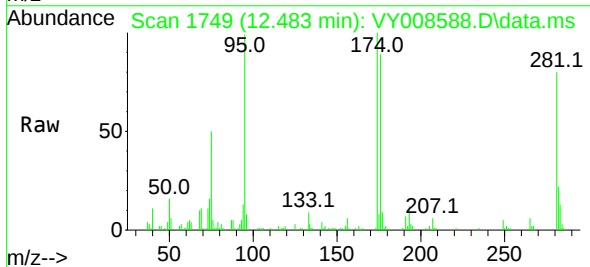
Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-042822

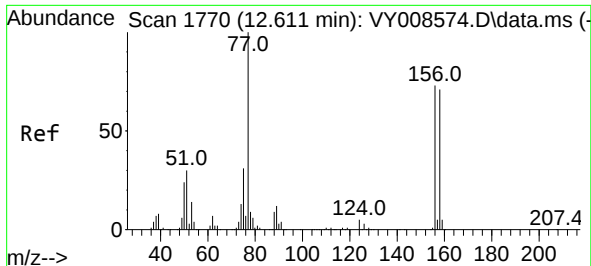
Tgt Ion:152 Resp: 26724
 Ion Ratio Lower Upper
 152 100
 115 55.0 28.2 84.7
 150 158.3 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 45.178 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY008588.D
 Acq: 03 May 2022 13:45

Tgt Ion: 75 Resp: 12888
 Ion Ratio Lower Upper
 75 100
 77 3.9 0.0 0.0#

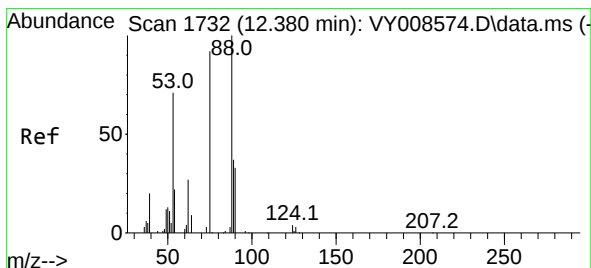
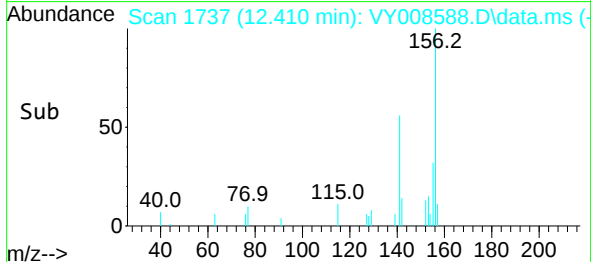
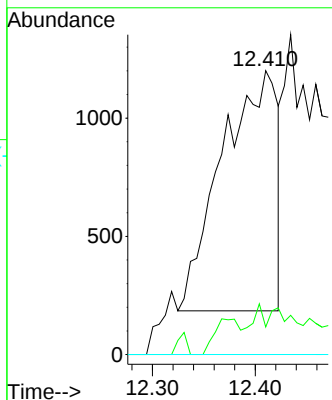
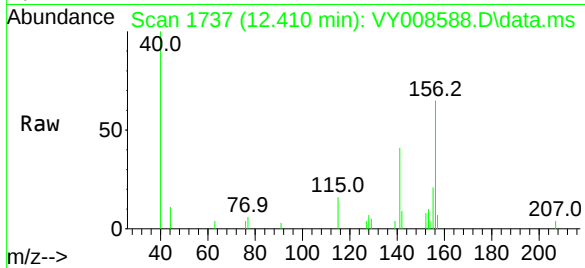




#77
Bromobenzene
Concen: 6.894 ug/l
RT: 12.410 min Scan# 1749
Delta R.T. -0.201 min
Lab File: VY008588.D
Acq: 03 May 2022 13:45

Instrument :
MSVOA_Y
ClientSampleId :
TR-04-042822

Tgt Ion:156 Resp: 3792
Ion Ratio Lower Upper
156 100
77 2.2 95.5 286.4#
158 0.0 48.0 144.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.594 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY008588.D
Acq: 03 May 2022 13:45

Tgt Ion: 75 Resp: 12888
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 1.6 37.0 55.4#

