

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042022\
 Data File : VY008423.D
 Acq On : 20 Apr 2022 17:05
 Operator : KP/MD
 Sample : N2476-03
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PAT-02-041922

Quant Time: Apr 21 02:40:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 08 16:02:50 2022
 Response via : Initial Calibration

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

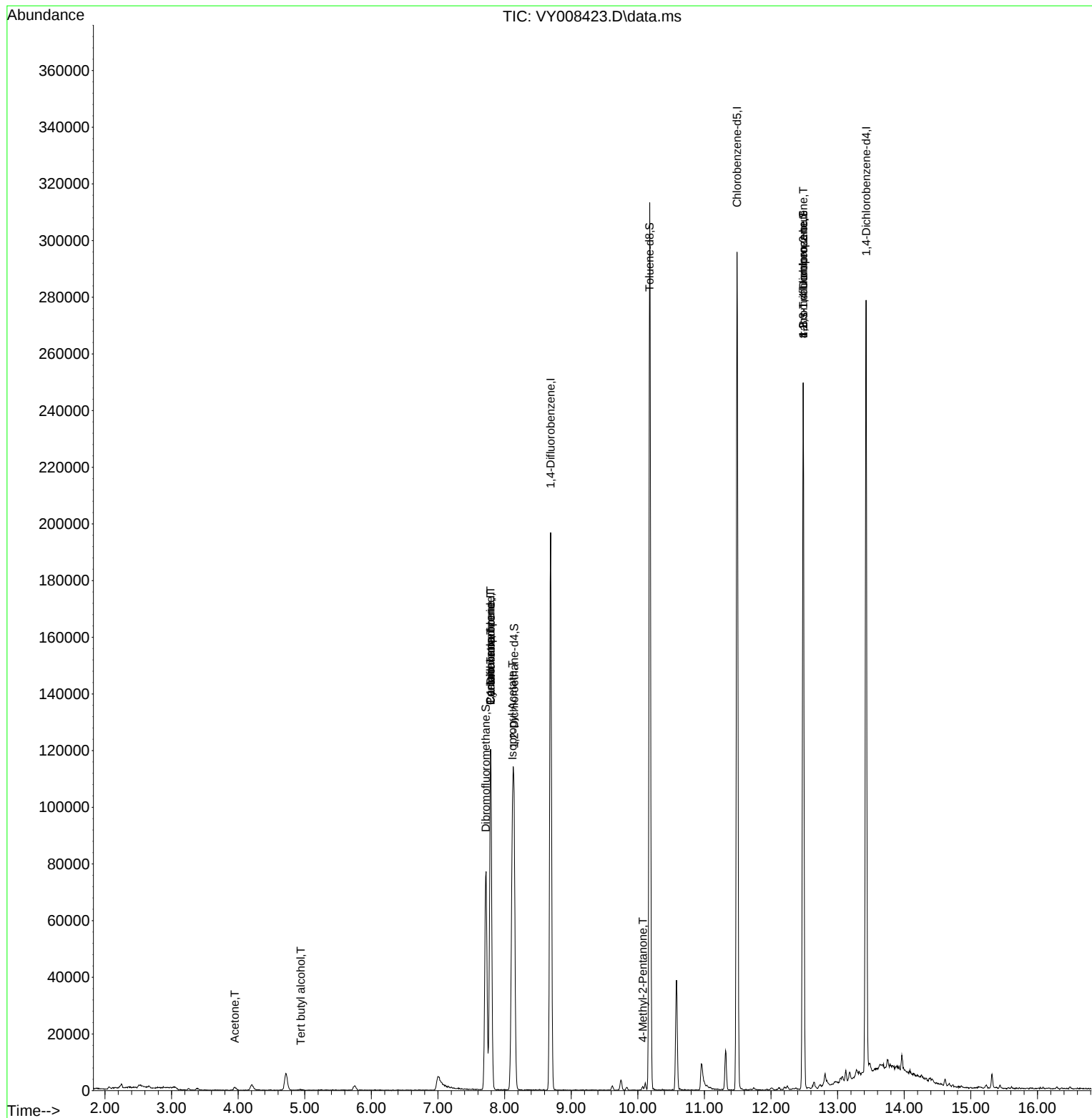
Internal Standards						
1) Pentafluorobenzene	7.789	168	94150	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	172223	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	165361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	66694	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	55059	62.258	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 124.520%			
35) Dibromofluoromethane	7.716	113	55094	55.386	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.780%			
50) Toluene-d8	10.179	98	209096	61.431	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 122.860%			
62) 4-Bromofluorobenzene	12.483	95	69628	54.387	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 108.780%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	164	Below Cal	#	44
5) Bromomethane	2.656	94	205	Below Cal		84
11) Tert butyl alcohol	4.942	59	394	4.167	ug/l #	77
16) Acetone	3.948	43	1921	9.031	ug/l	95
18) Methyl Acetate	4.479	43	319	Below Cal	#	56
20) Methylene Chloride	4.716	84	4908	Below Cal	#	64
31) Cyclohexane	7.789	56	2022	1.264	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	7820	4.923	ug/l #	49
38) Carbon Tetrachloride	7.789	117	9437	5.522	ug/l #	15
43) Isopropyl Acetate	8.118	43	1844	1.213	ug/l #	1
51) 4-Methyl-2-Pentanone	10.075	43	870	1.108	ug/l	96
76) 1,2,3-Trichloropropane	12.483	75	37875	51.348	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	37875	114.889	ug/l #	7

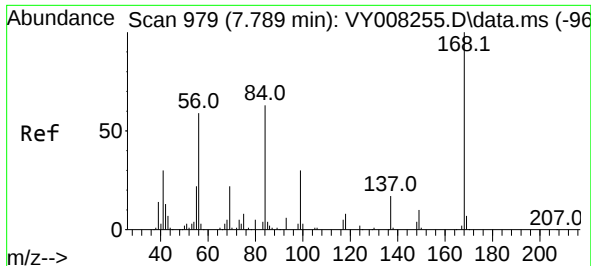
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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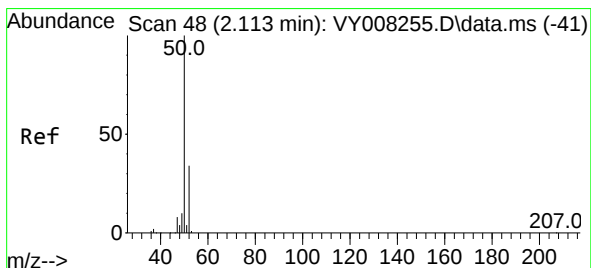
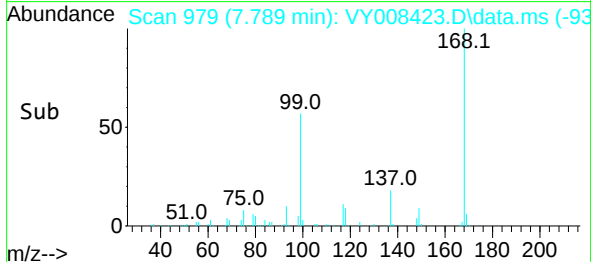
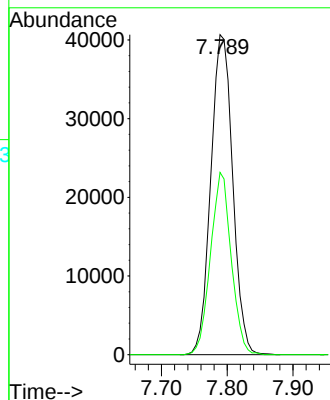
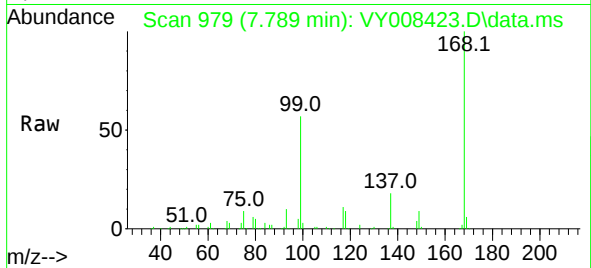




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008423.D
Acq: 20 Apr 2022 17:05

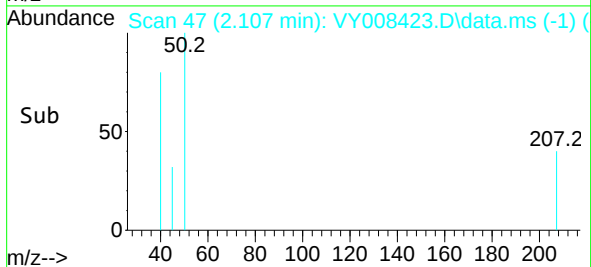
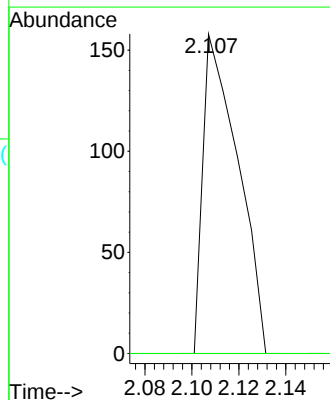
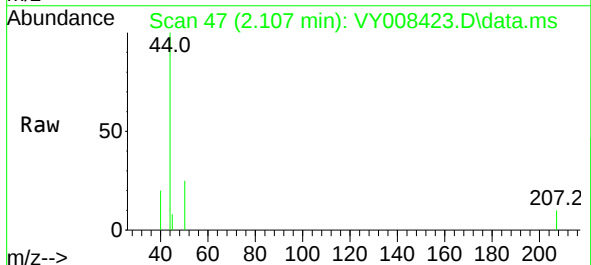
Instrument :
MSVOA_Y
ClientSampleId :
PAT-02-041922

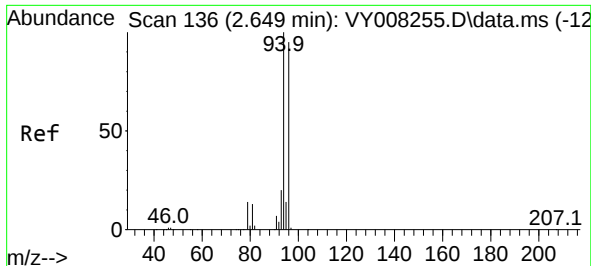
Tgt Ion:168 Resp: 94150
Ion Ratio Lower Upper
168 100
99 56.9 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. -0.006 min
Lab File: VY008423.D
Acq: 20 Apr 2022 17:05

Tgt Ion: 50 Resp: 164
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

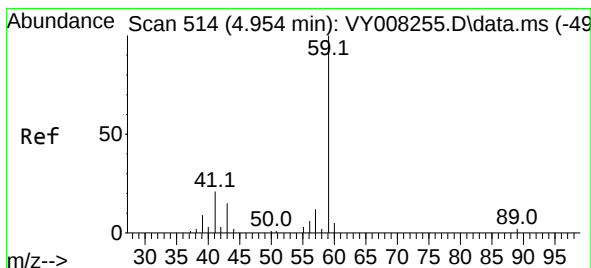
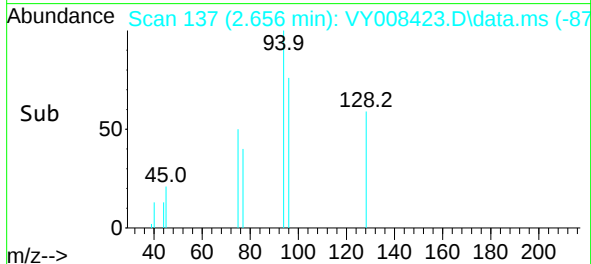
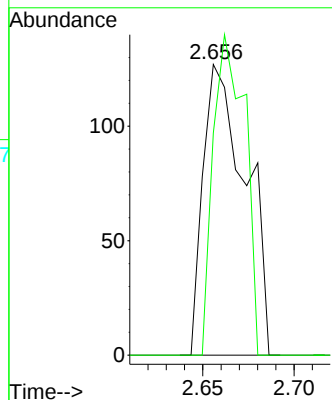
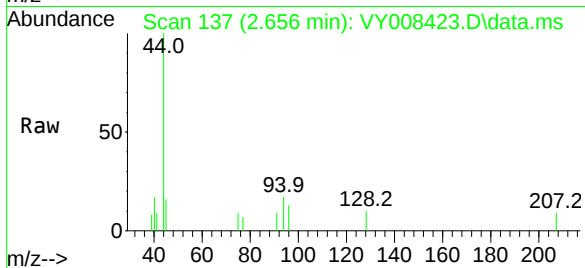




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY008423.D
Acq: 20 Apr 2022 17:05

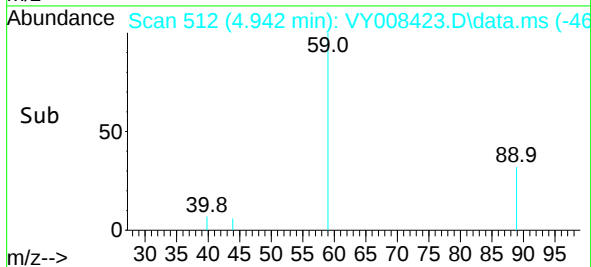
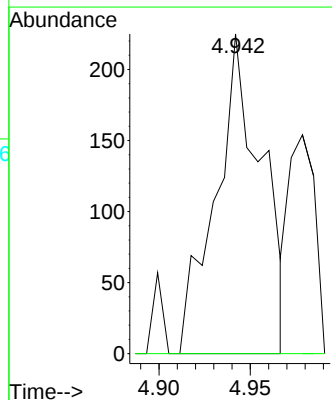
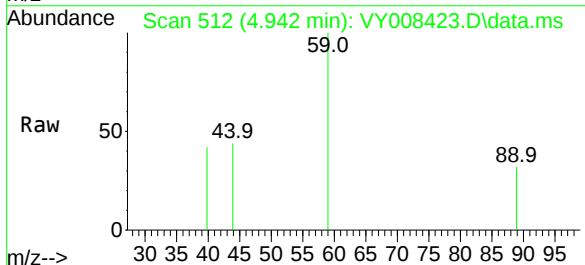
Instrument :
MSVOA_Y
ClientSampleId :
PAT-02-041922

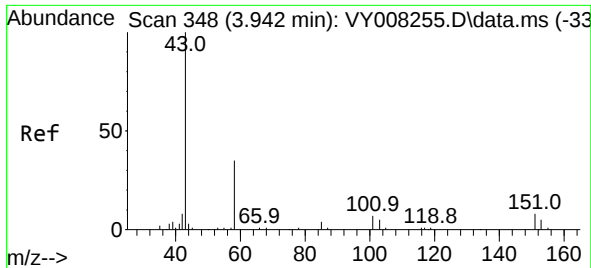
Tgt Ion: 94 Resp: 205
Ion Ratio Lower Upper
94 100
96 76.4 73.5 110.3



#11
Tert butyl alcohol
Concen: 4.167 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.012 min
Lab File: VY008423.D
Acq: 20 Apr 2022 17:05

Tgt Ion: 59 Resp: 394
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

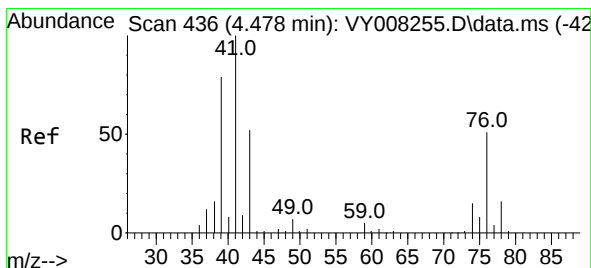
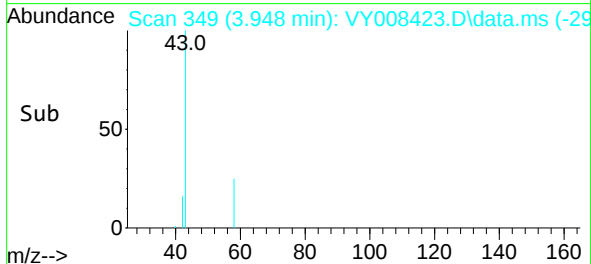
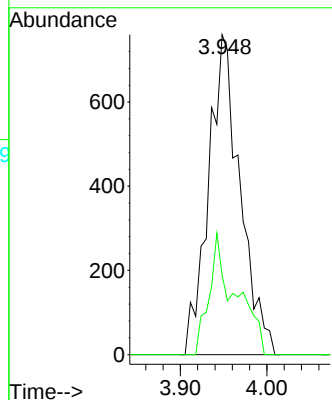
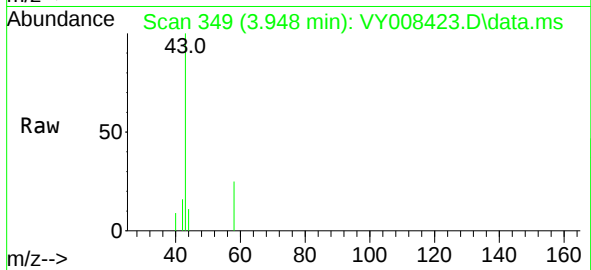




#16
Acetone
Concen: 9.031 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY008423.D
Acq: 20 Apr 2022 17:05

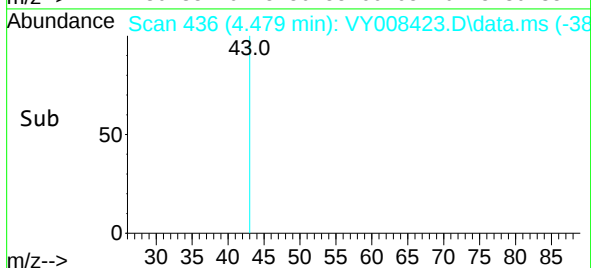
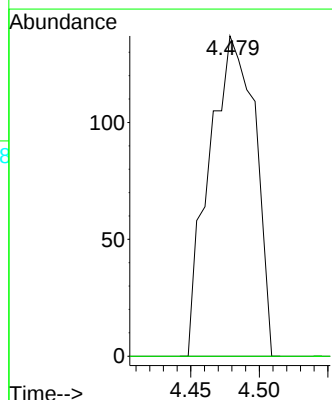
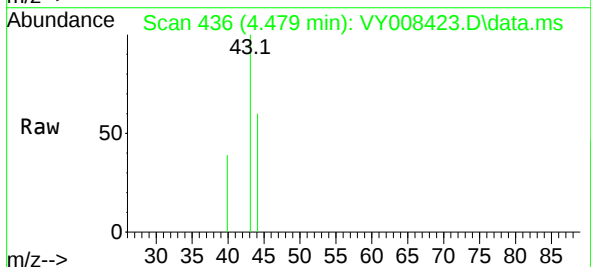
Instrument :
MSVOA_Y
ClientSampleId :
PAT-02-041922

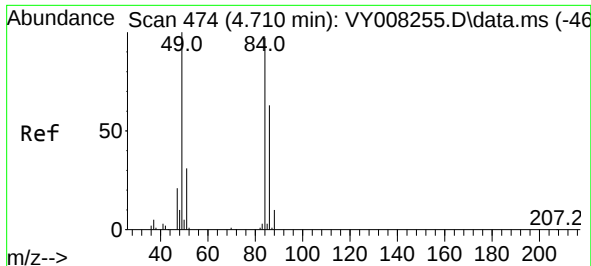
Tgt Ion: 43 Resp: 1921
Ion Ratio Lower Upper
43 100
58 24.9 22.0 33.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.479 min Scan# 436
Delta R.T. 0.001 min
Lab File: VY008423.D
Acq: 20 Apr 2022 17:05

Tgt Ion: 43 Resp: 319
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY008423.D

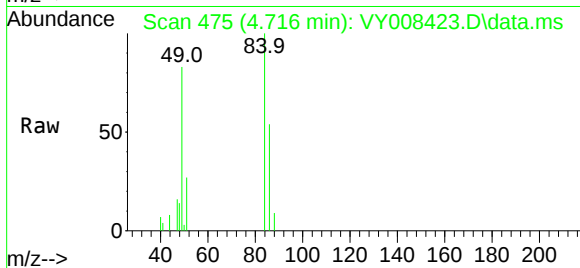
Acq: 20 Apr 2022 17:05

Instrument :

MSVOA_Y

ClientSampleId :

PAT-02-041922



Tgt Ion: 84 Resp: 4908

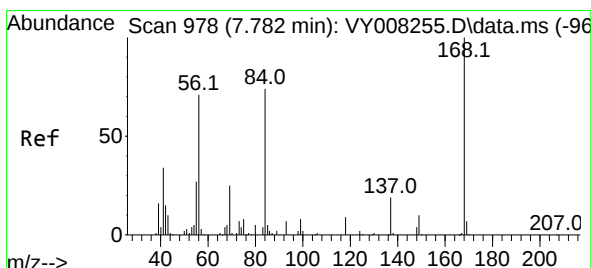
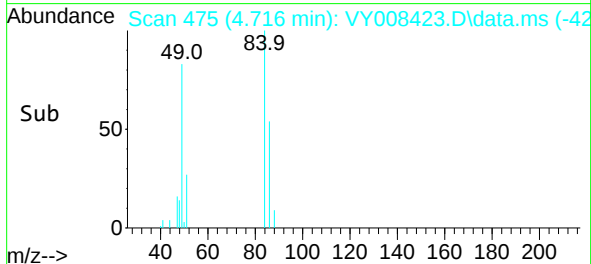
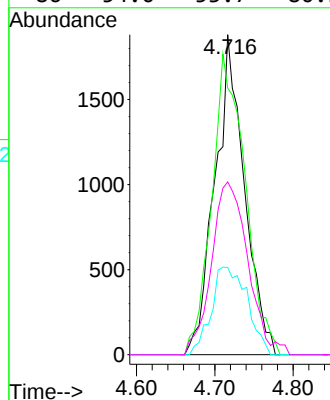
Ion Ratio Lower Upper

84 100

49 83.3 114.4 171.6#

51 27.3 35.3 52.9#

86 54.0 53.7 80.5



#31

Cyclohexane

Concen: 1.264 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.007 min

Lab File: VY008423.D

Acq: 20 Apr 2022 17:05

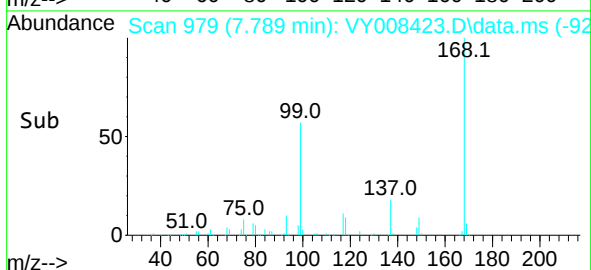
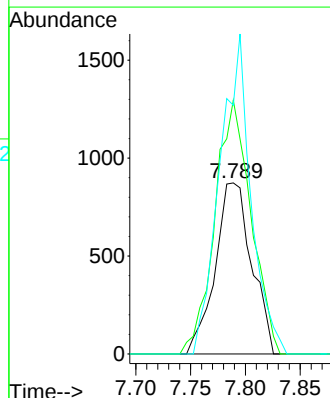
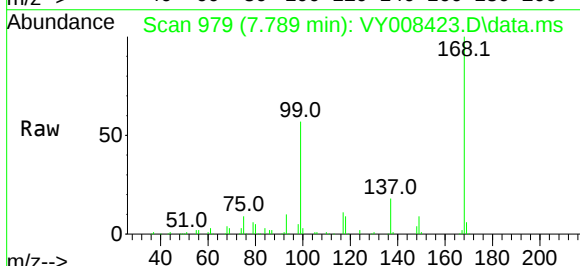
Tgt Ion: 56 Resp: 2022

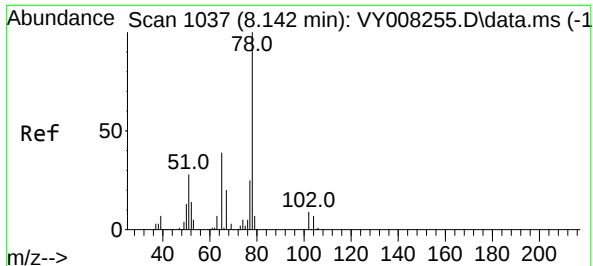
Ion Ratio Lower Upper

56 100

69 148.5 26.7 40.1#

84 145.5 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 62.258 ug/l

RT: 8.143 min Scan# 1103

Delta R.T. 0.001 min

Lab File: VY008423.D

Acq: 20 Apr 2022 17:05

Instrument :

MSVOA_Y

ClientSampleId :

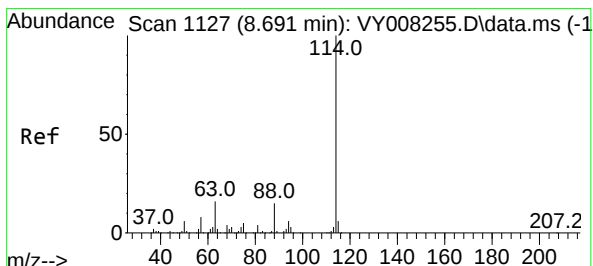
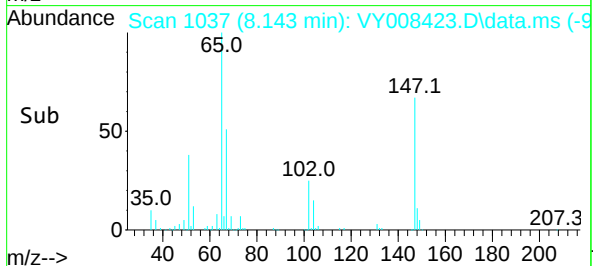
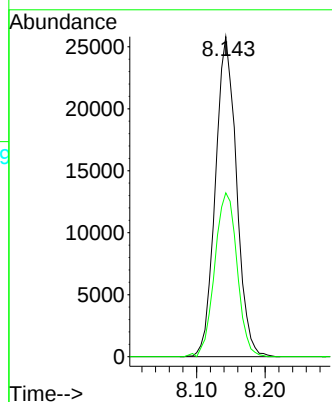
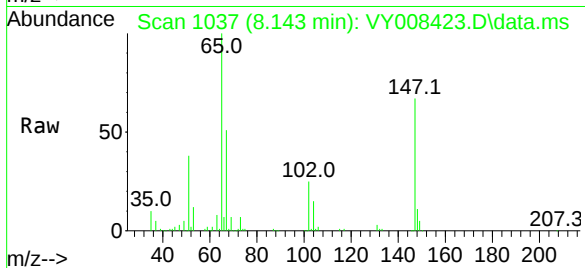
PAT-02-041922

Tgt Ion: 65 Resp: 55059

Ion Ratio Lower Upper

65 100

67 54.3 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: VY008423.D

Acq: 20 Apr 2022 17:05

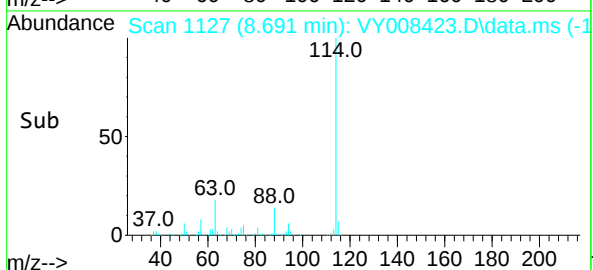
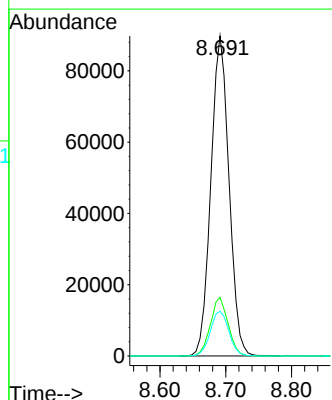
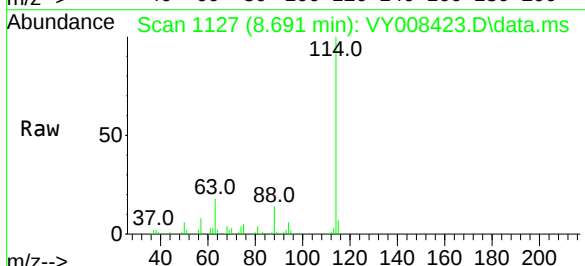
Tgt Ion: 114 Resp: 172223

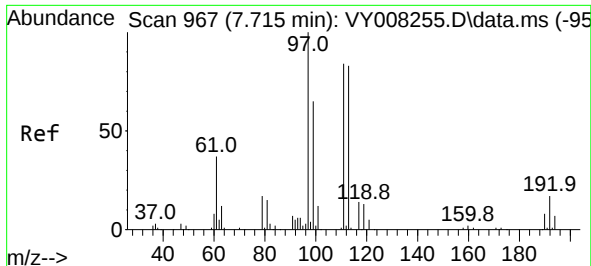
Ion Ratio Lower Upper

114 100

63 18.3 0.0 43.2

88 14.0 0.0 31.8

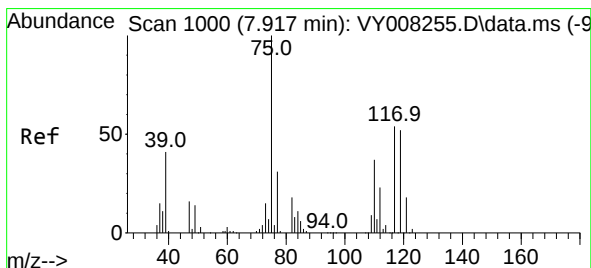
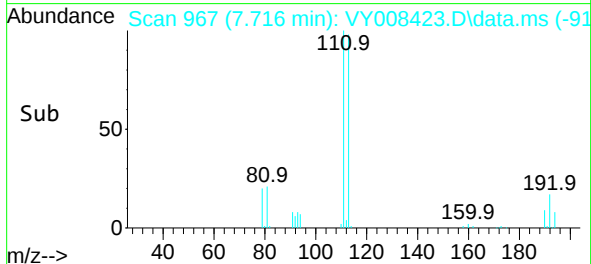
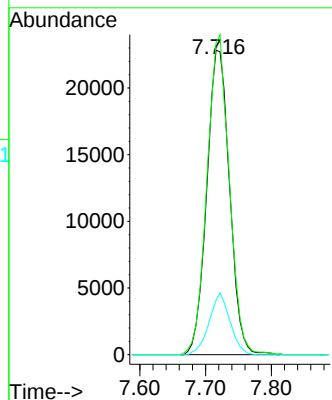
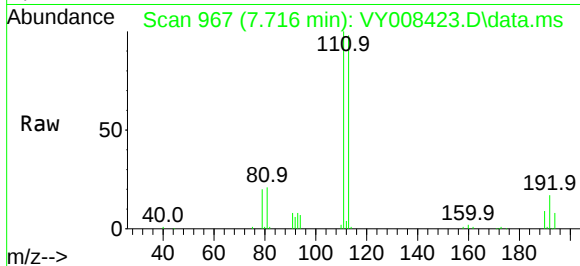




#35
Dibromofluoromethane
Concen: 55.386 ug/l
RT: 7.716 min Scan# 910
Delta R.T. 0.001 min
Lab File: VY008423.D
Acq: 20 Apr 2022 17:05

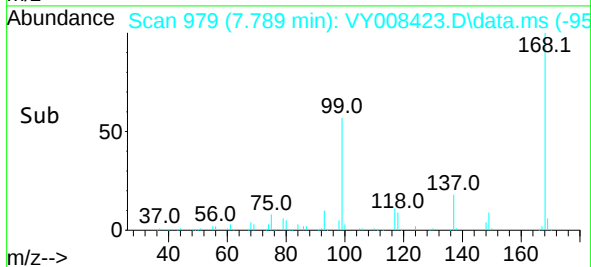
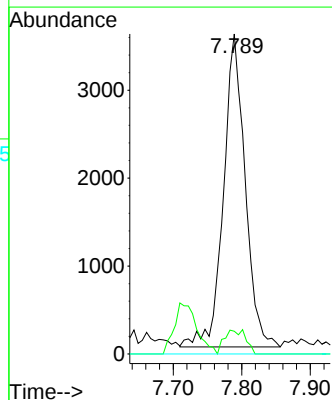
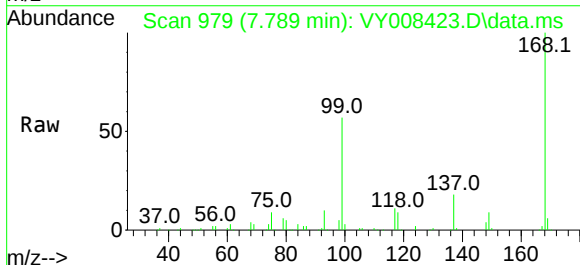
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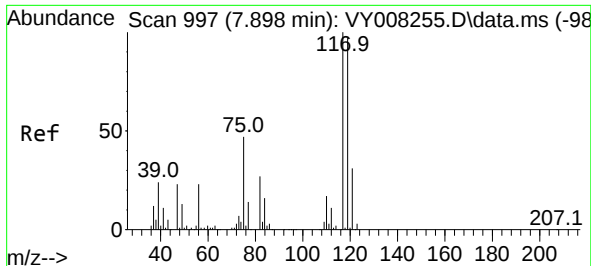
Tgt Ion:113 Resp: 55094
Ion Ratio Lower Upper
113 100
111 102.8 82.6 124.0
192 18.5 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.923 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY008423.D
Acq: 20 Apr 2022 17:05

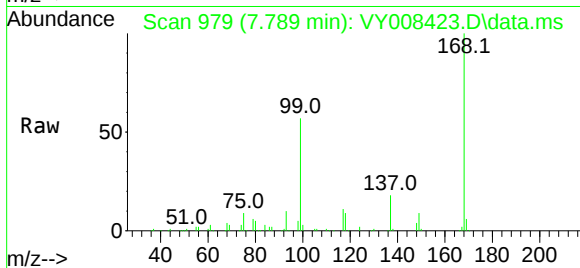
Tgt Ion: 75 Resp: 7820
Ion Ratio Lower Upper
75 100
110 7.5 17.1 51.2#
77 0.0 24.4 36.6#



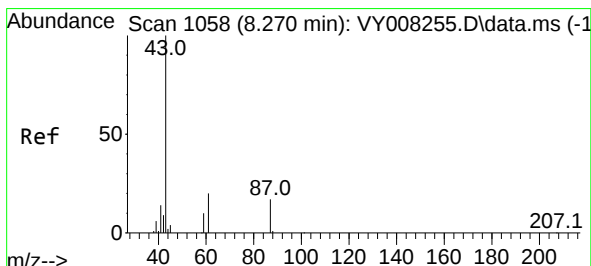
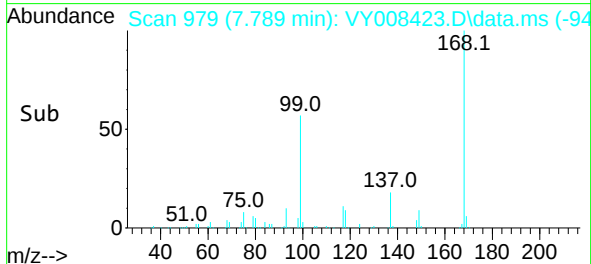
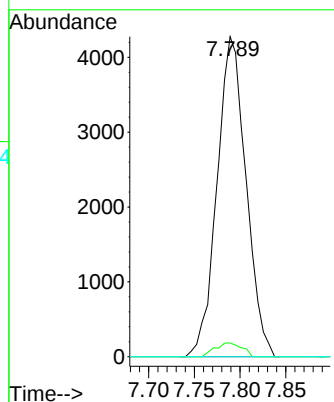


#38
Carbon Tetrachloride
Concen: 5.522 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY008423.D
Acq: 20 Apr 2022 17:05

Instrument :
MSVOA_Y
ClientSampleId :
PAT-02-041922

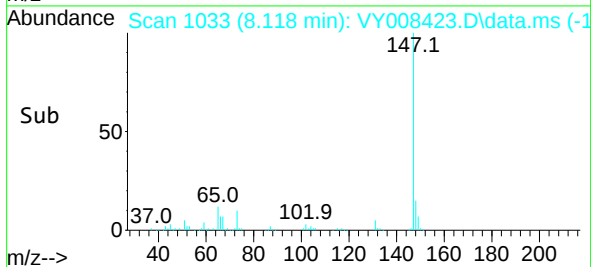
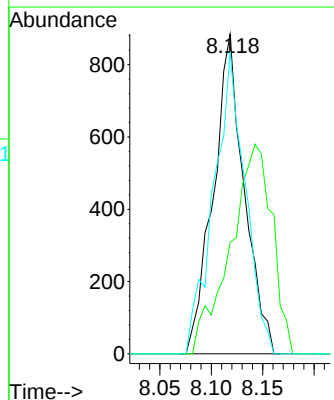
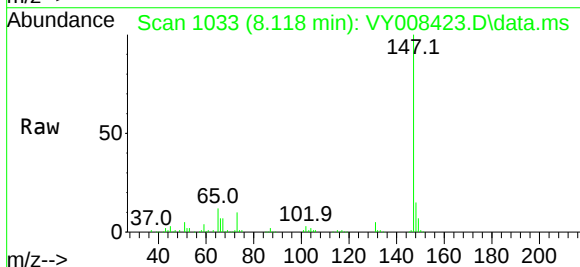


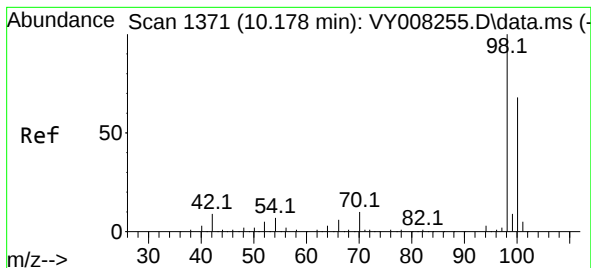
Tgt Ion:117 Resp: 9437
Ion Ratio Lower Upper
117 100
119 4.3 77.9 116.9#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 1.213 ug/l
RT: 8.118 min Scan# 1033
Delta R.T. -0.152 min
Lab File: VY008423.D
Acq: 20 Apr 2022 17:05

Tgt Ion: 43 Resp: 1844
Ion Ratio Lower Upper
43 100
61 0.0 20.2 30.2#
87 96.6 8.9 13.3#





#50

Toluene-d8

Concen: 61.431 ug/l

RT: 10.179 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY008423.D

Acq: 20 Apr 2022 17:05

Instrument :

MSVOA_Y

ClientSampleId :

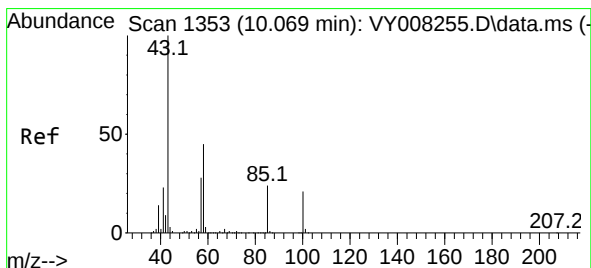
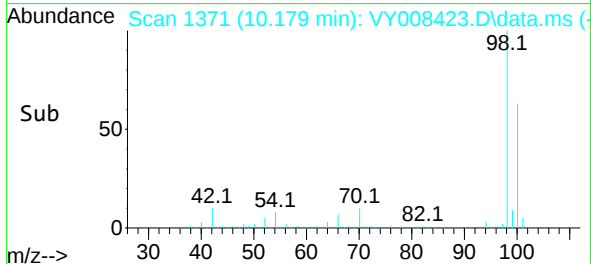
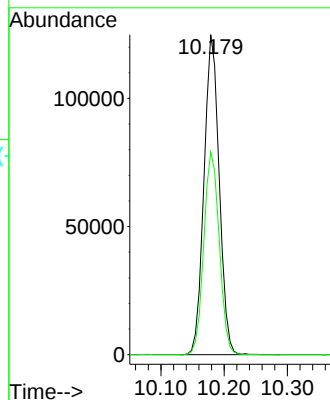
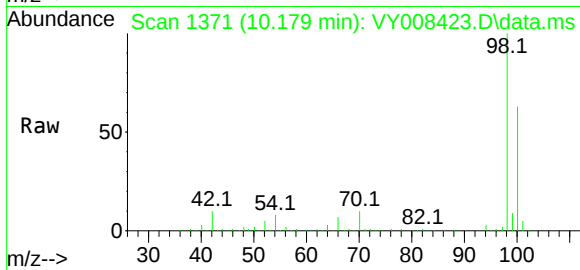
PAT-02-041922

Tgt Ion: 98 Resp: 209096

Ion Ratio Lower Upper

98 100

100 64.5 50.2 75.2



#51

4-Methyl-2-Pentanone

Concen: 1.108 ug/l

RT: 10.075 min Scan# 1354

Delta R.T. 0.006 min

Lab File: VY008423.D

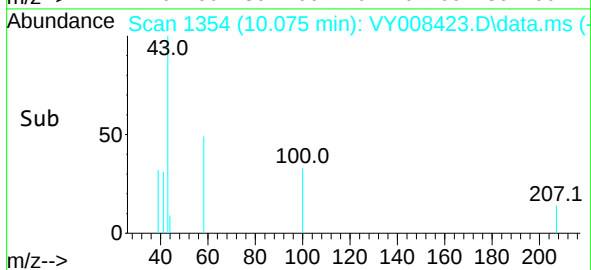
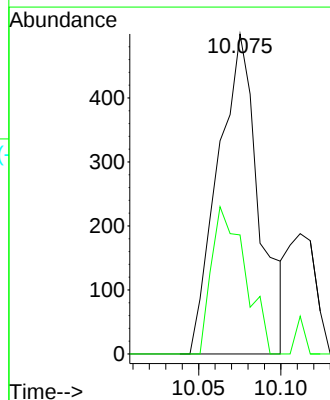
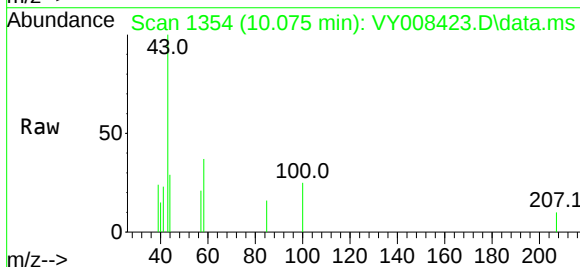
Acq: 20 Apr 2022 17:05

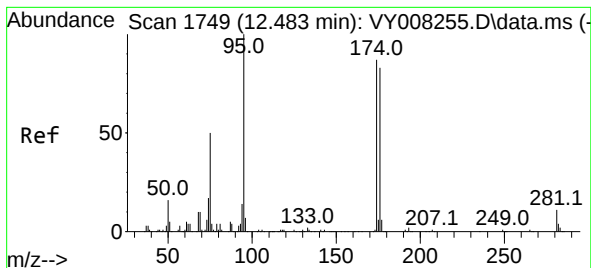
Tgt Ion: 43 Resp: 870

Ion Ratio Lower Upper

43 100

58 37.6 28.1 42.1

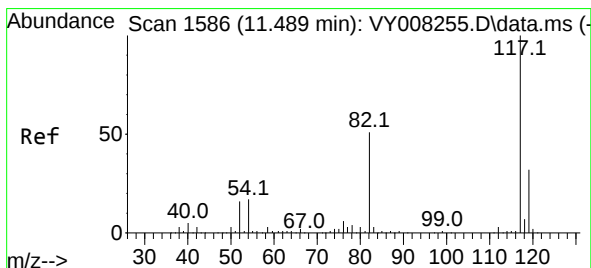
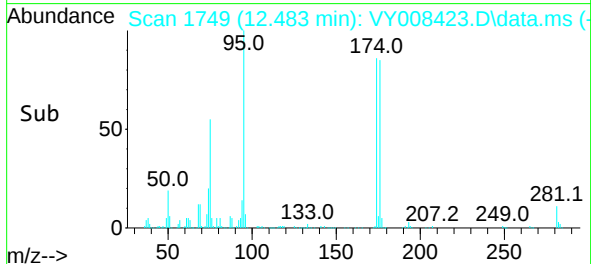
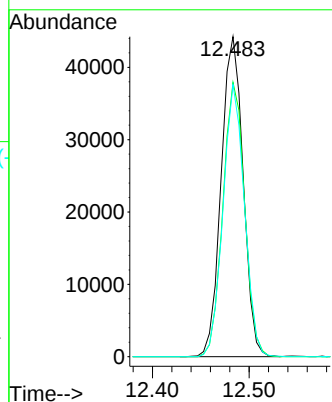
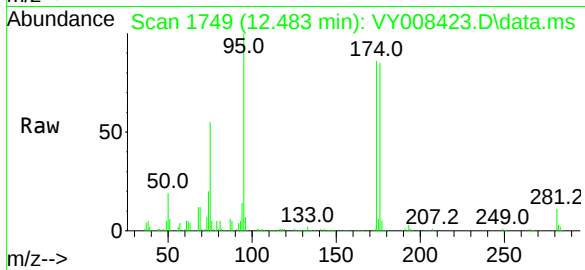




#62
4-Bromofluorobenzene
Concen: 54.387 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008423.D
Acq: 20 Apr 2022 17:05

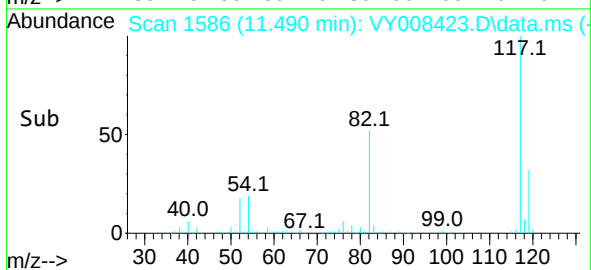
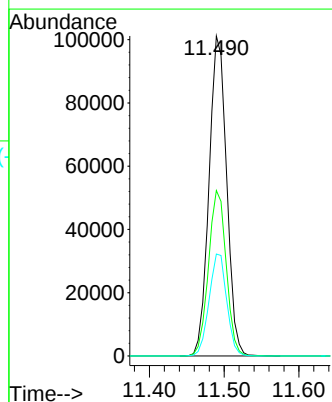
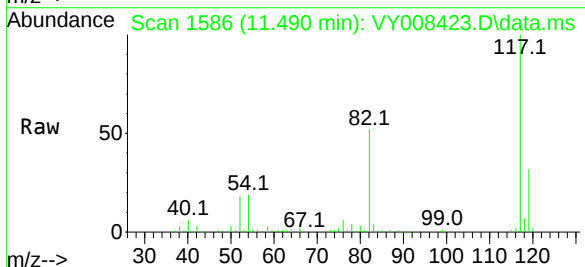
Instrument :
MSVOA_Y
ClientSampleId :
PAT-02-041922

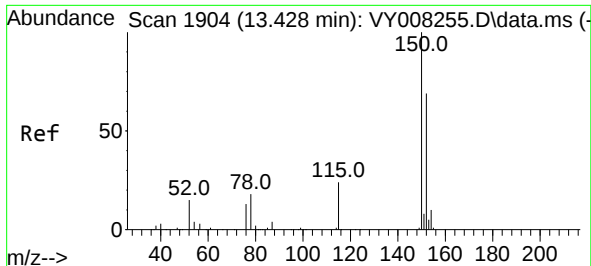
Tgt Ion: 95 Resp: 69628
Ion Ratio Lower Upper
95 100
174 84.8 0.0 177.0
176 82.9 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY008423.D
Acq: 20 Apr 2022 17:05

Tgt Ion: 117 Resp: 165361
Ion Ratio Lower Upper
117 100
82 51.7 43.0 64.4
119 31.8 25.4 38.0

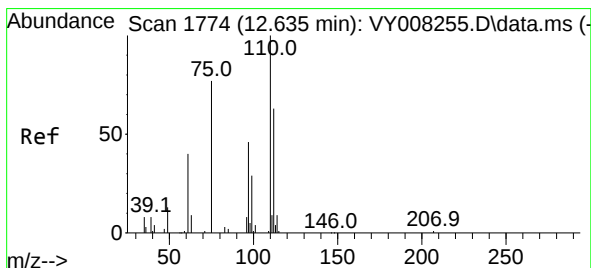
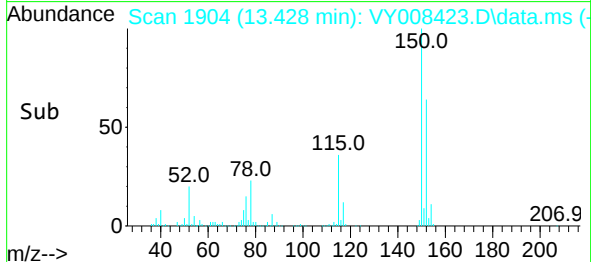
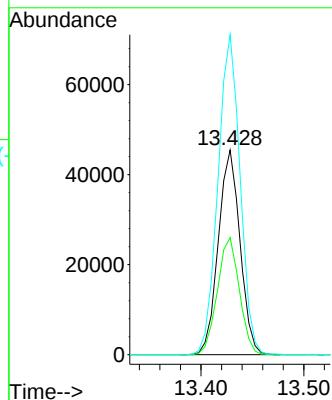
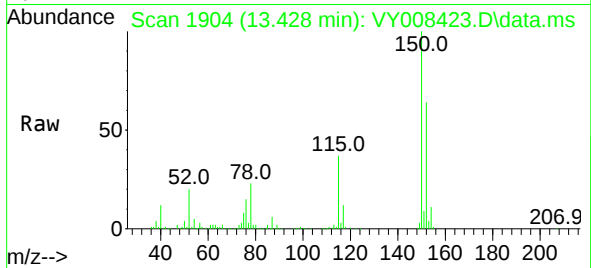




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY008423.D
 Acq: 20 Apr 2022 17:05

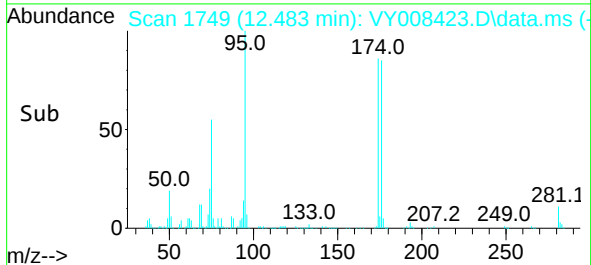
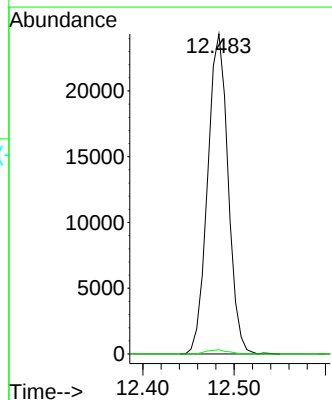
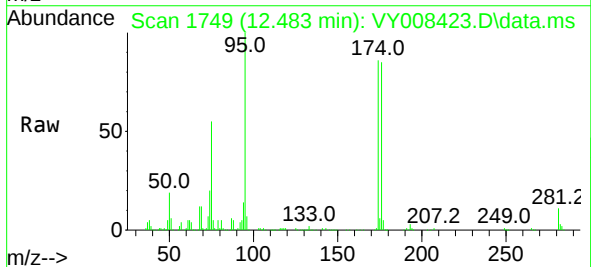
Instrument :
 MSVOA_Y
 ClientSampleId :
 PAT-02-041922

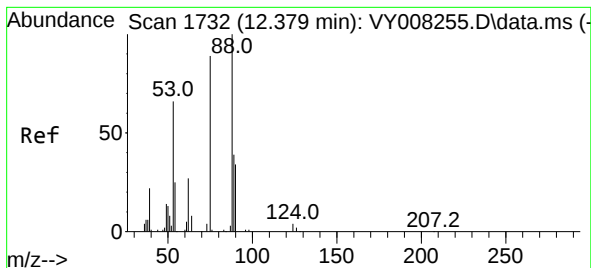
Tgt Ion:152 Resp: 66694
 Ion Ratio Lower Upper
 152 100
 115 57.8 28.2 84.7
 150 158.9 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 51.348 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY008423.D
 Acq: 20 Apr 2022 17:05

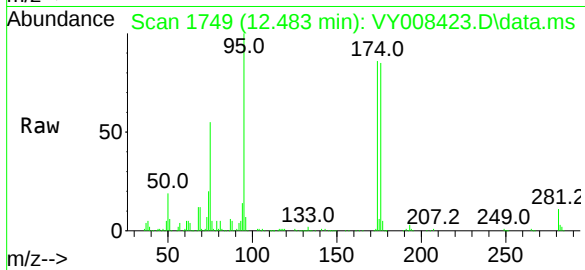
Tgt Ion: 75 Resp: 37875
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 114.889 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY008423.D
 Acq: 20 Apr 2022 17:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 PAT-02-041922



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

