

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020722\
 Data File : VY007407.D
 Acq On : 07 Feb 2022 12:57
 Operator : SY/MD
 Sample : N1401-03
 Misc : 3.51g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PSC-124055

Quant Time: Feb 08 00:52:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020222S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 03 04:36:48 2022
 Response via : Initial Calibration

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

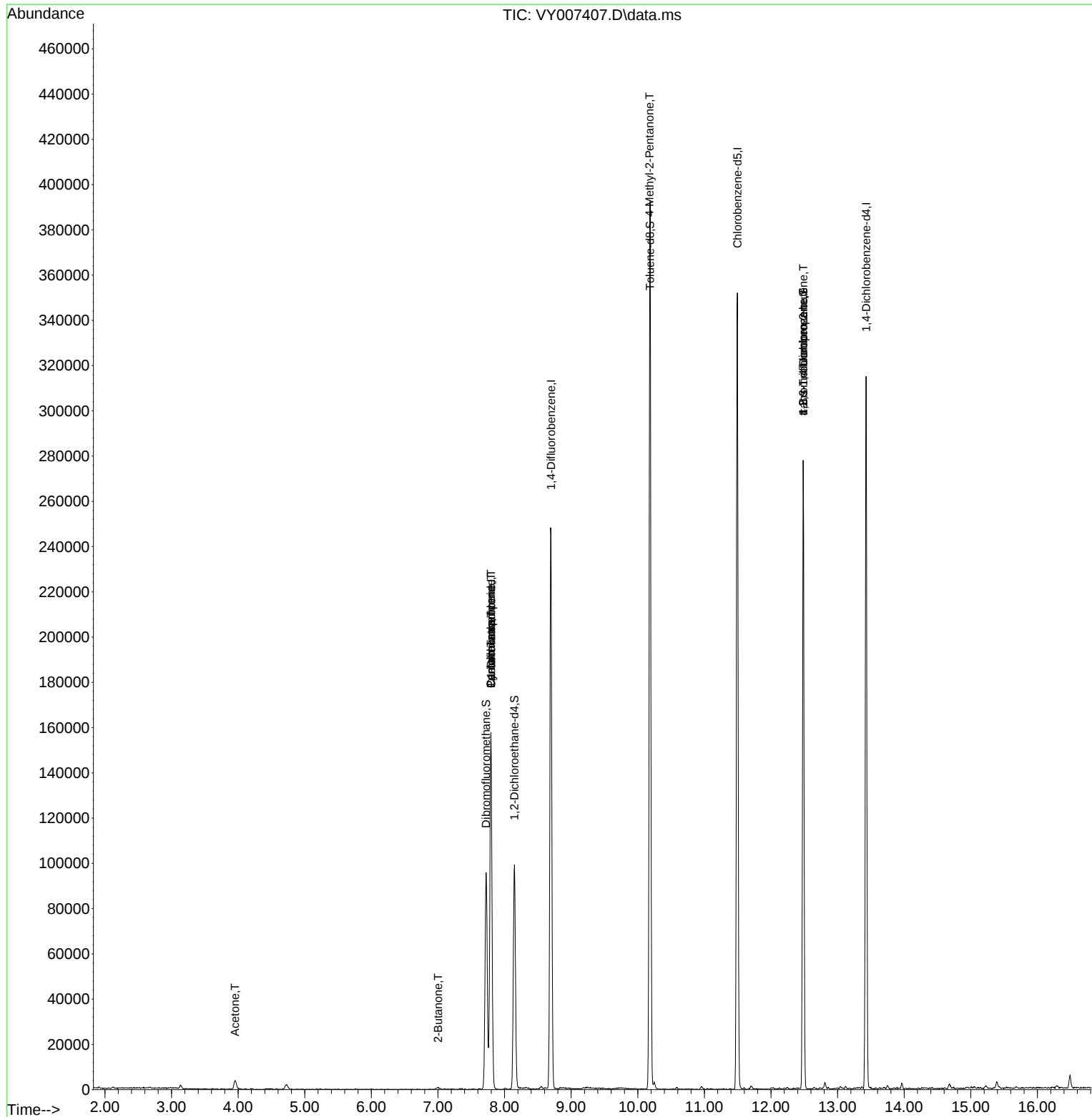
Internal Standards						
1) Pentafluorobenzene	7.795	168	116087	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	210361	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	192232	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	74890	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	79194	59.309	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.620%	
35) Dibromofluoromethane	7.722	113	67003	49.602	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.200%	
50) Toluene-d8	10.185	98	256660	51.429	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.860%	
62) 4-Bromofluorobenzene	12.483	95	85563	50.443	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 100.880%	
Target Compounds						
3) Chloromethane	2.113	50	729	Below Cal	Qvalue 92	
11) Tert butyl alcohol	4.966	59	44	Below Cal	# 77	
16) Acetone	3.954	43	7059	16.278	ug/l	92
20) Methylene Chloride	4.723	84	1594	Below Cal	# 82	
25) 2-Butanone	7.003	43	967	1.846	ug/l	# 89
31) Cyclohexane	7.795	56	2681	1.029	ug/l	# 11
36) 1,1-Dichloropropene	7.795	75	9586	4.059	ug/l	# 52
38) Carbon Tetrachloride	7.795	117	12378	4.989	ug/l	# 17
51) 4-Methyl-2-Pentanone	10.179	43	1142	1.026	ug/l	# 1
76) 1,2,3-Trichloropropane	12.483	75	46140	51.825	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	46140	103.827	ug/l	# 7

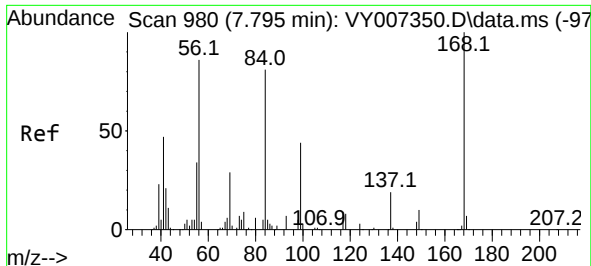
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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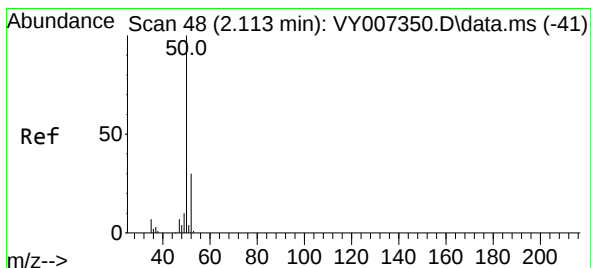
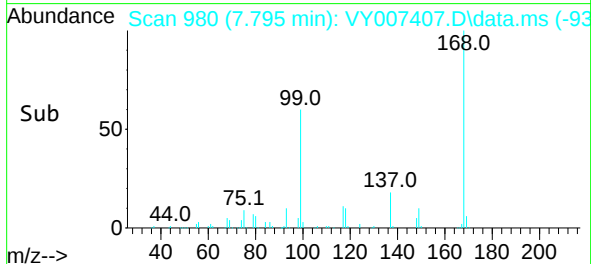
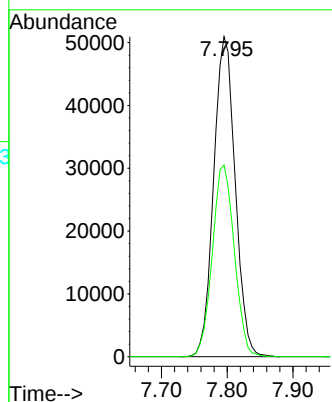
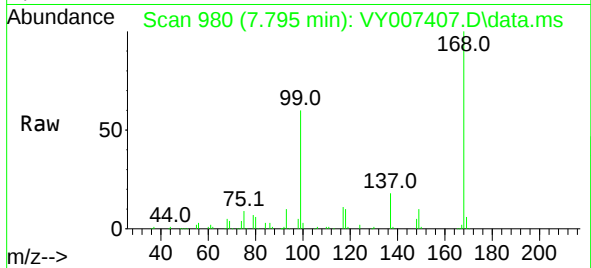




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY007407.D
Acq: 07 Feb 2022 12:57

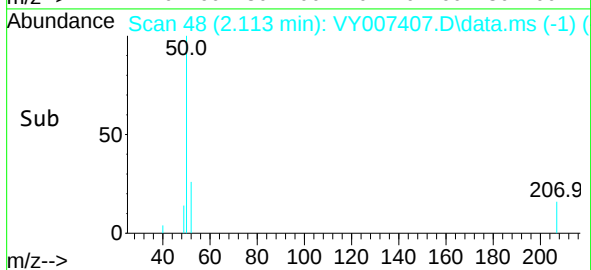
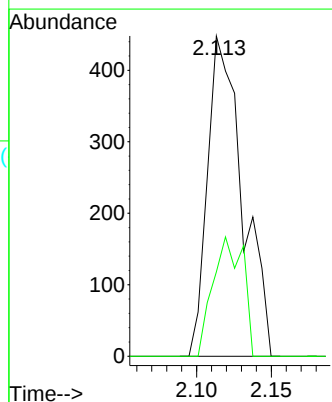
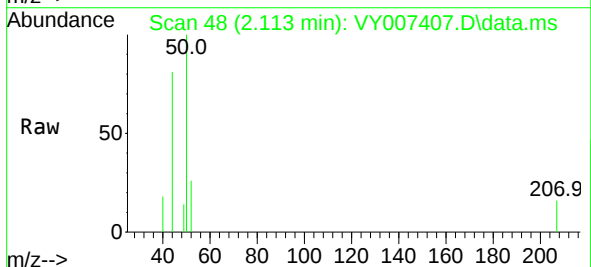
Instrument :
MSVOA_Y
ClientSampleId :
PSC-124055

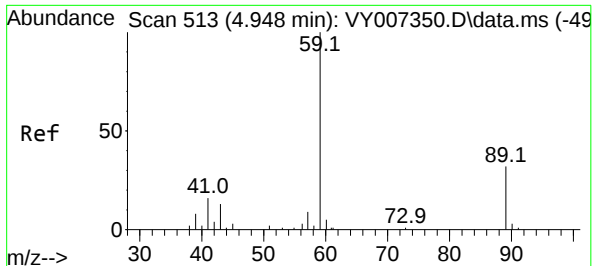
Tgt Ion:168 Resp: 116087
Ion Ratio Lower Upper
168 100
99 59.9 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY007407.D
Acq: 07 Feb 2022 12:57

Tgt Ion: 50 Resp: 729
Ion Ratio Lower Upper
50 100
52 26.3 24.6 37.0





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.966 min Scan# 51

Delta R.T. 0.018 min

Lab File: VY007407.D

Acq: 07 Feb 2022 12:57

Instrument :

MSVOA_Y

ClientSampleId :

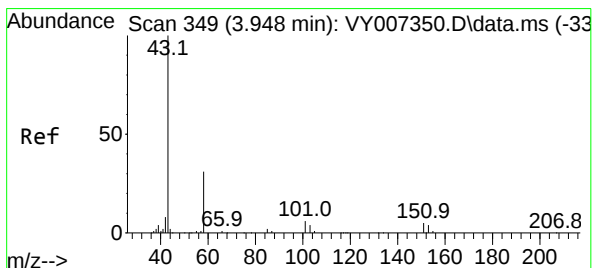
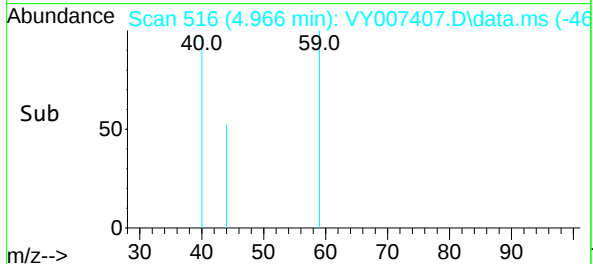
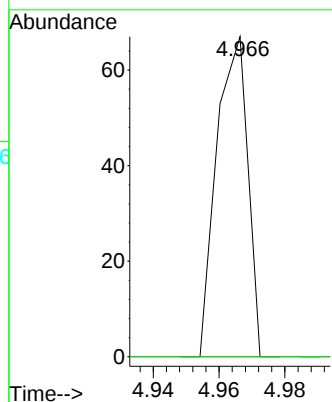
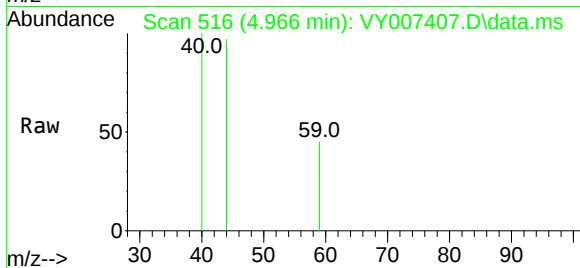
PSC-124055

Tgt Ion: 59 Resp: 44

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 16.278 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.006 min

Lab File: VY007407.D

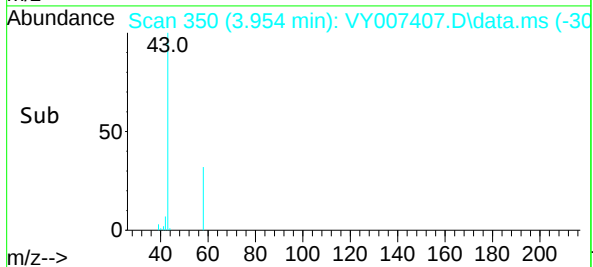
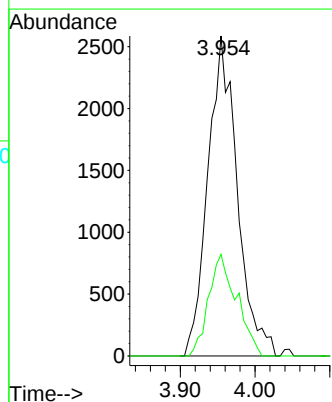
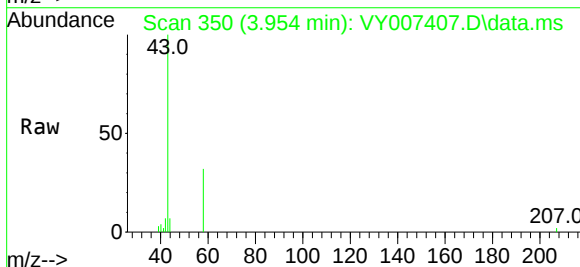
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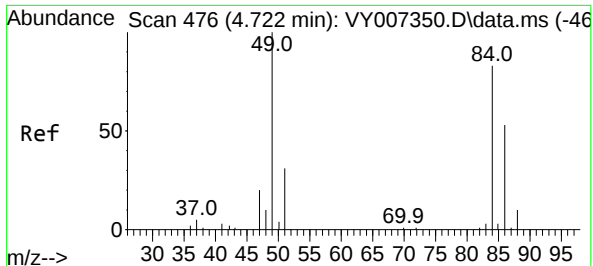
Tgt Ion: 43 Resp: 7059

Ion Ratio Lower Upper

43 100

58 31.7 22.0 33.0





#20

Methylene Chloride

Concen: Below Cal

RT: 4.723 min Scan# 41

Delta R.T. 0.001 min

Lab File: VY007407.D

Acq: 07 Feb 2022 12:57

Instrument :

MSVOA_Y

ClientSampleId :

PSC-124055

Tgt Ion: 84 Resp: 1594

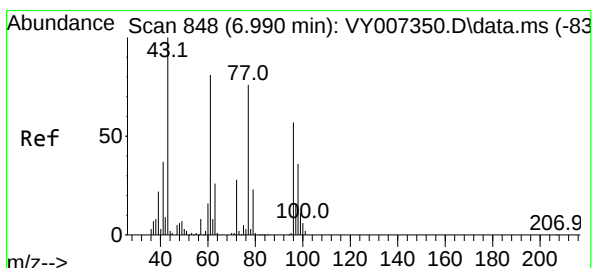
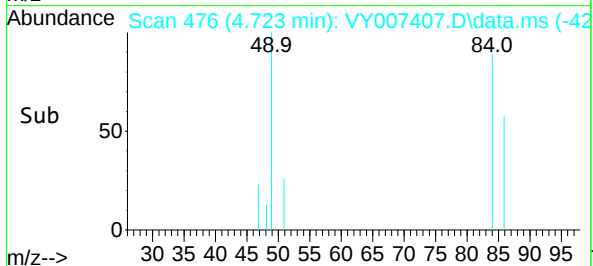
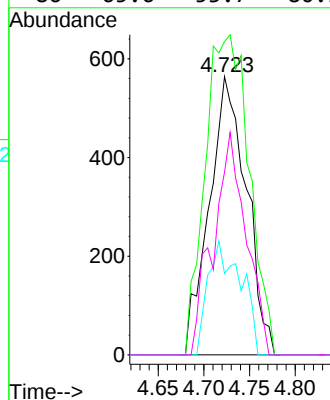
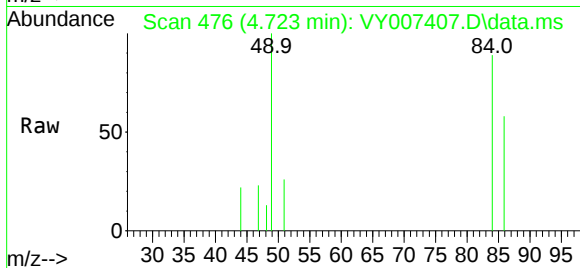
Ion Ratio Lower Upper

84 100

49 112.6 114.4 171.6#

51 29.3 35.3 52.9#

86 65.6 53.7 80.5



#25

2-Butanone

Concen: 1.846 ug/l

RT: 7.003 min Scan# 850

Delta R.T. 0.012 min

Lab File: VY007407.D

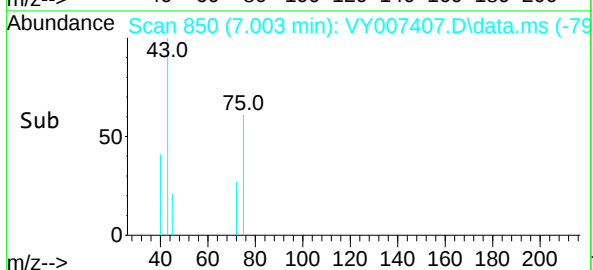
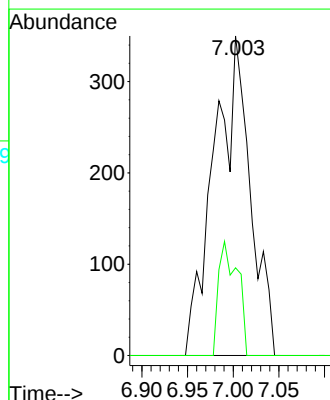
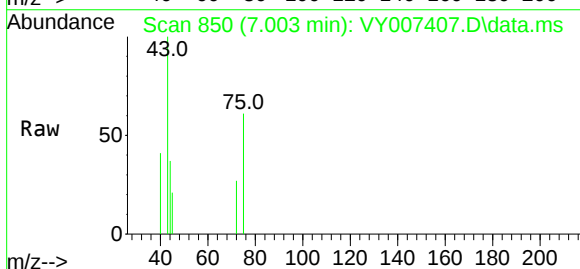
Acq: 07 Feb 2022 12:57

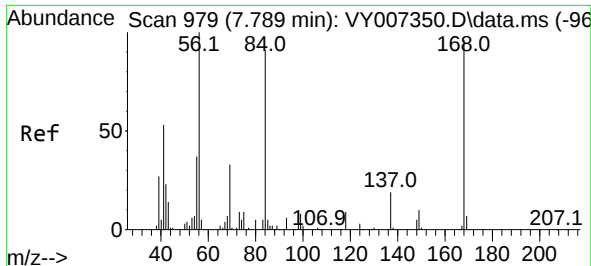
Tgt Ion: 43 Resp: 967

Ion Ratio Lower Upper

43 100

72 27.4 17.7 26.5#

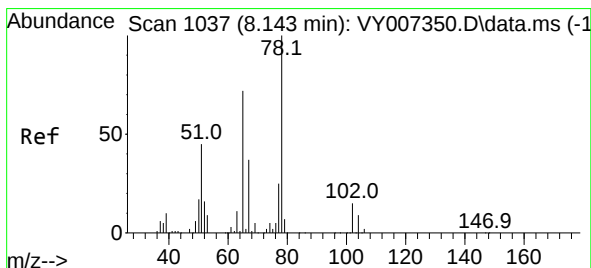
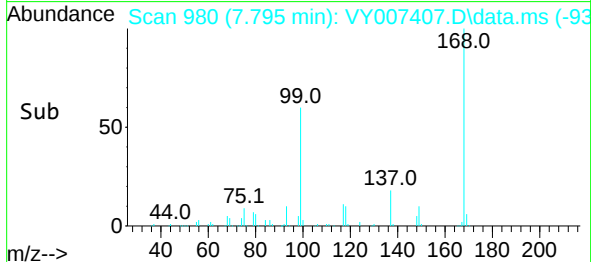
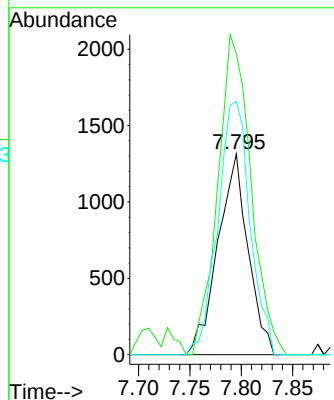
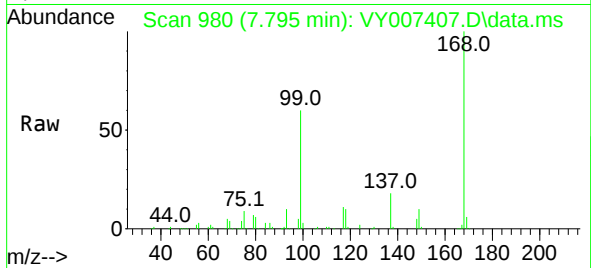




#31
Cyclohexane
Concen: 1.029 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY007407.D
Acq: 07 Feb 2022 12:57

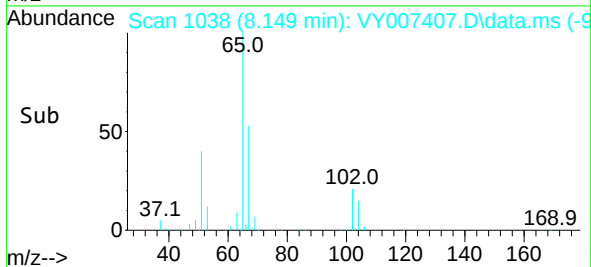
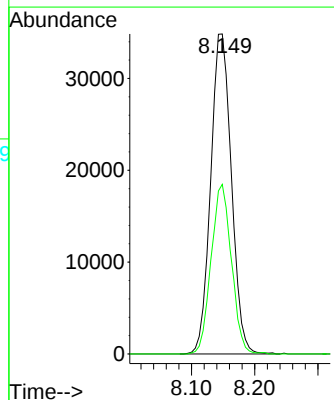
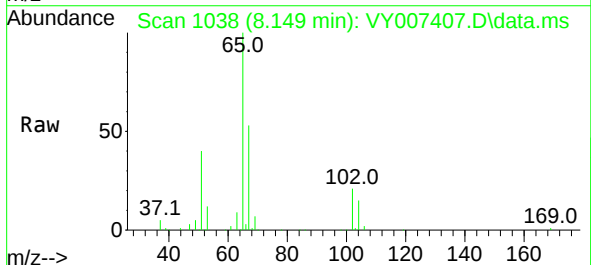
Instrument :
MSVOA_Y
ClientSampleId :
PSC-124055

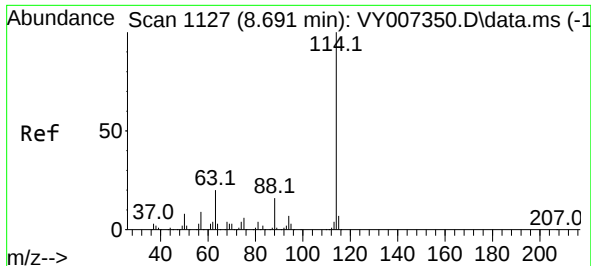
Tgt Ion: 56 Resp: 2681
Ion Ratio Lower Upper
56 100
69 144.9 26.7 40.1#
84 126.1 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 59.309 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.006 min
Lab File: VY007407.D
Acq: 07 Feb 2022 12:57

Tgt Ion: 65 Resp: 79194
Ion Ratio Lower Upper
65 100
67 51.9 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY007407.D

Acq: 07 Feb 2022 12:57

Instrument :

MSVOA_Y

ClientSampleId :

PSC-124055

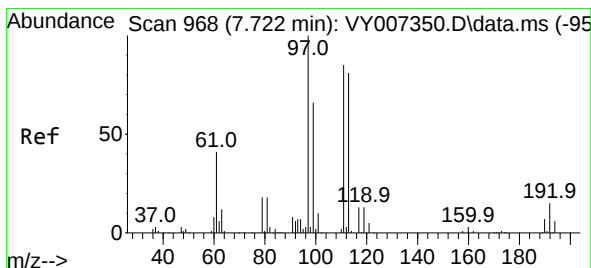
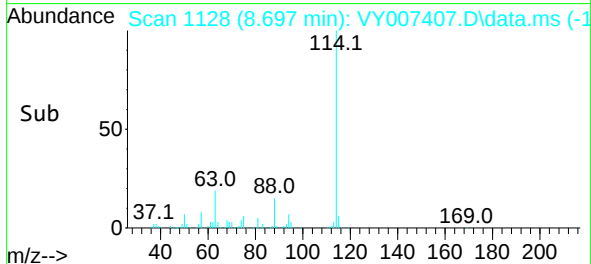
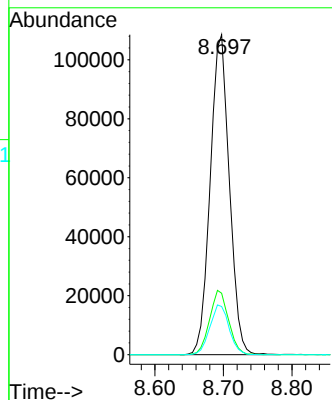
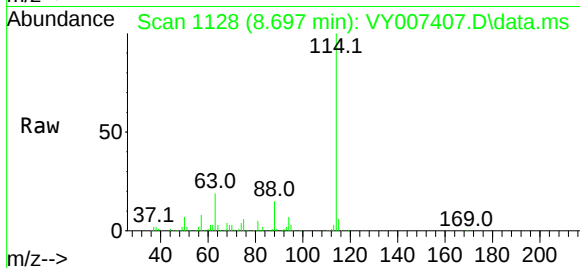
Tgt Ion:114 Resp: 210361

Ion Ratio Lower Upper

114 100

63 19.2 0.0 43.2

88 15.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 49.602 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY007407.D

Acq: 07 Feb 2022 12:57

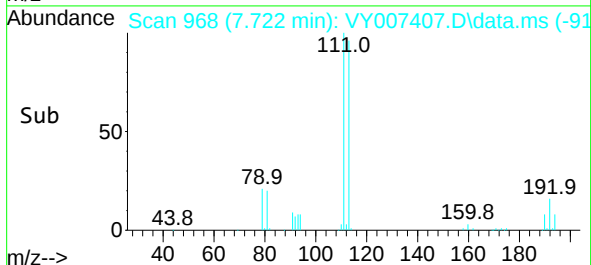
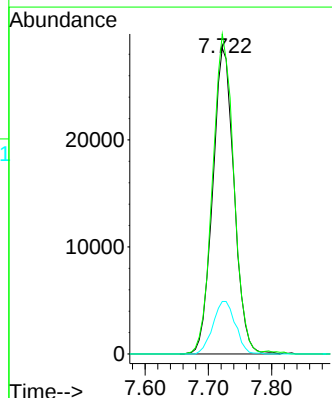
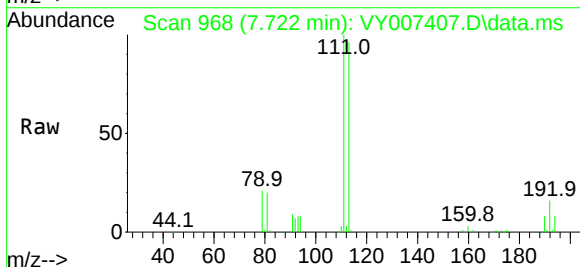
Tgt Ion:113 Resp: 67003

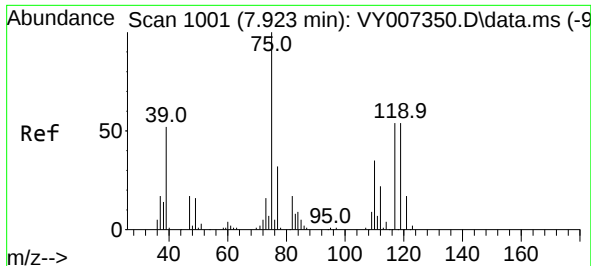
Ion Ratio Lower Upper

113 100

111 104.1 82.6 124.0

192 18.1 17.6 26.4

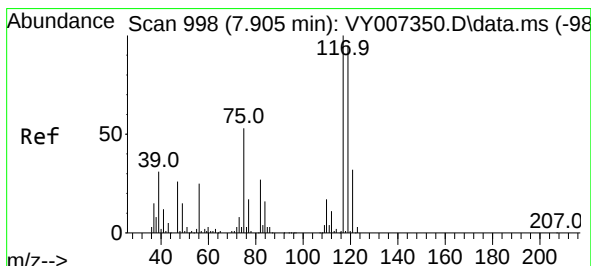
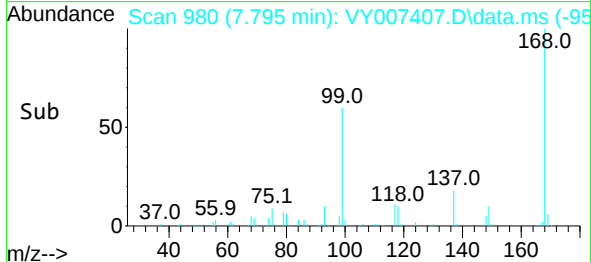
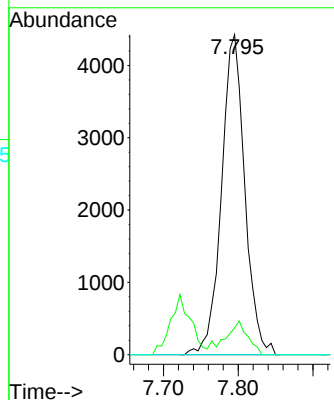
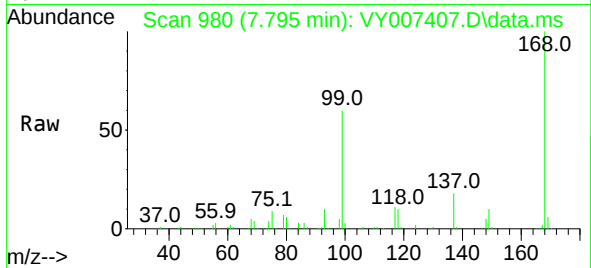




#36
 1,1-Dichloropropene
 Concen: 4.059 ug/l
 RT: 7.795 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY007407.D
 Acq: 07 Feb 2022 12:57

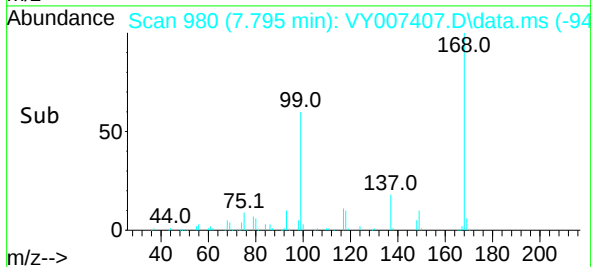
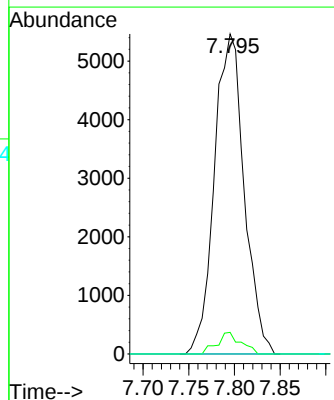
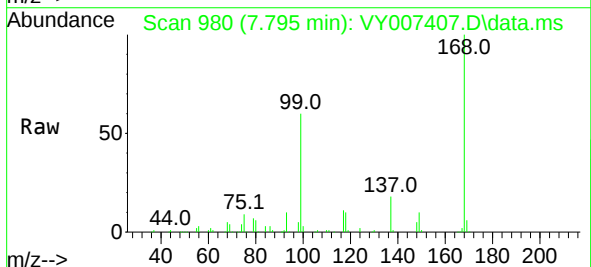
Instrument :
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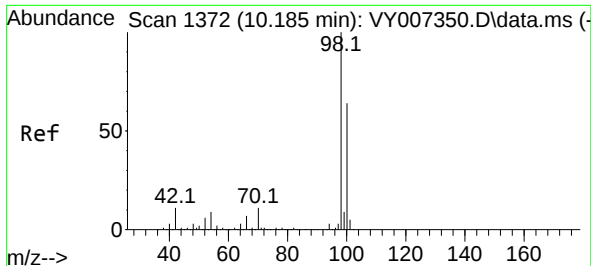
Tgt Ion: 75 Resp: 9586
 Ion Ratio Lower Upper
 75 100
 110 10.2 17.1 51.2#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 4.989 ug/l
 RT: 7.795 min Scan# 980
 Delta R.T. -0.110 min
 Lab File: VY007407.D
 Acq: 07 Feb 2022 12:57

Tgt Ion: 117 Resp: 12378
 Ion Ratio Lower Upper
 117 100
 119 6.8 77.9 116.9#
 121 0.0 24.8 37.2#

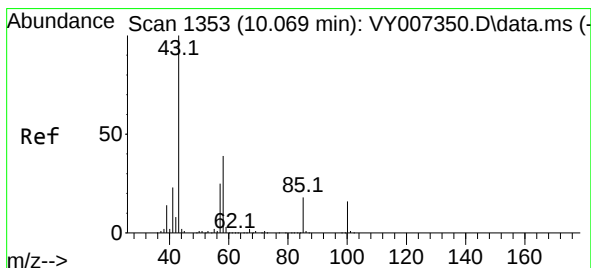
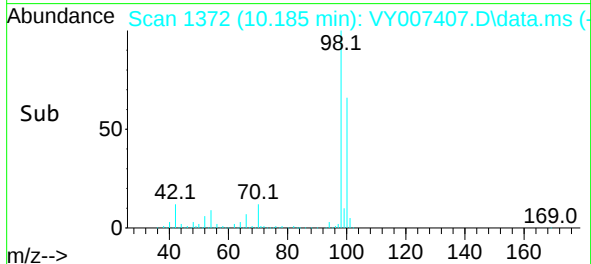
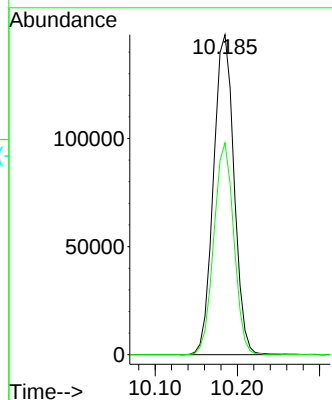
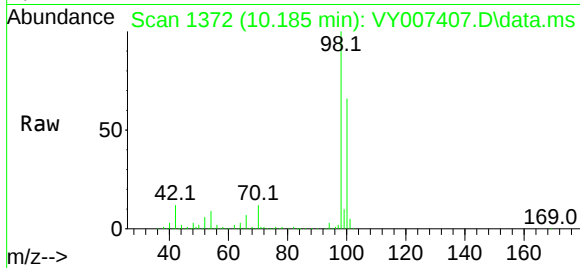




#50
Toluene-d8
Concen: 51.429 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY007407.D
Acq: 07 Feb 2022 12:57

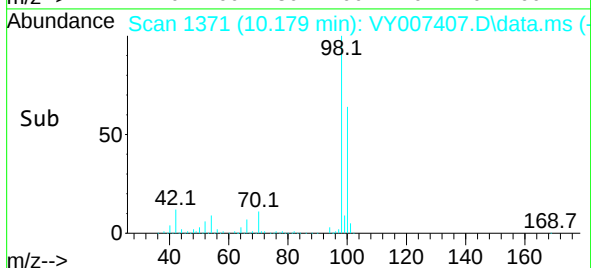
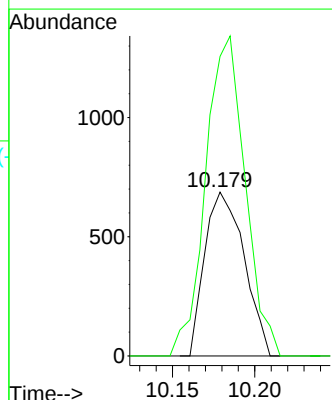
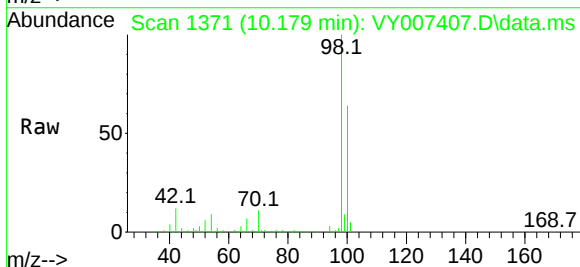
Instrument :
MSVOA_Y
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PSC-124055

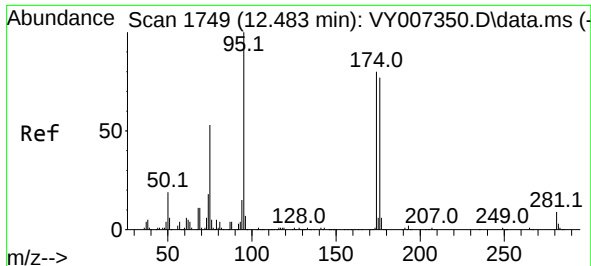
Tgt Ion: 98 Resp: 256660
Ion Ratio Lower Upper
98 100
100 64.4 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.026 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.110 min
Lab File: VY007407.D
Acq: 07 Feb 2022 12:57

Tgt Ion: 43 Resp: 1142
Ion Ratio Lower Upper
43 100
58 196.1 28.1 42.1#

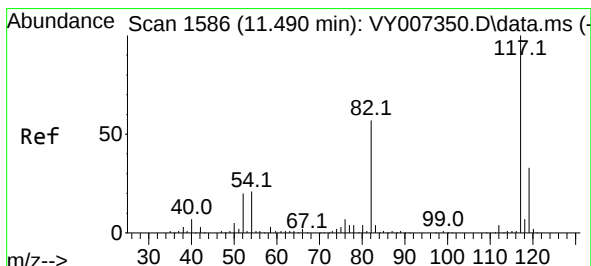
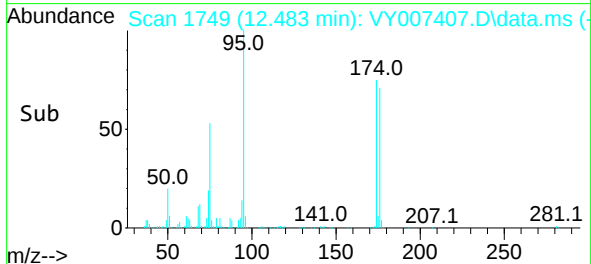
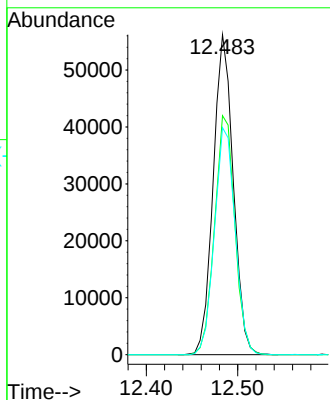
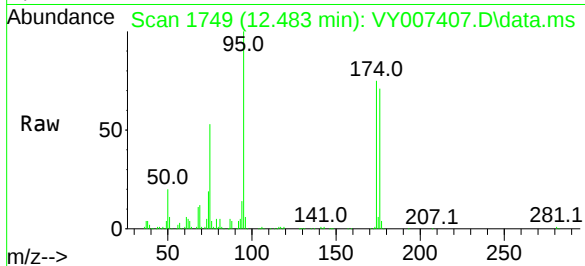




#62
4-Bromofluorobenzene
Concen: 50.443 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY007407.D
Acq: 07 Feb 2022 12:57

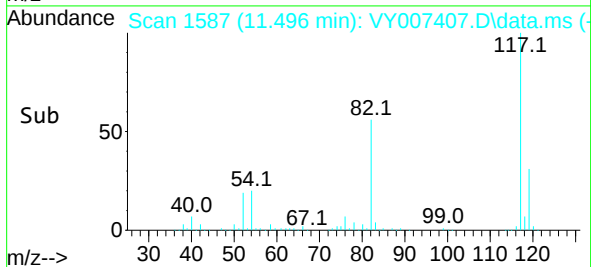
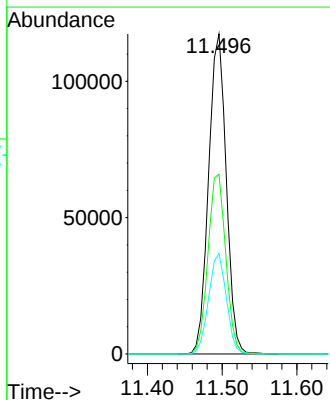
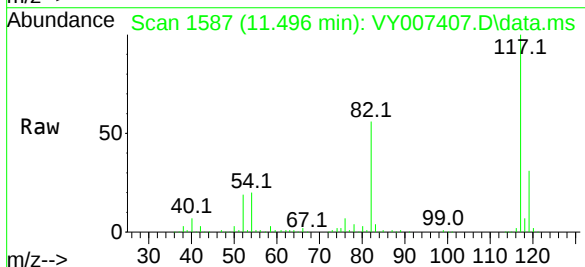
Instrument :
MSVOA_Y
ClientSampleId :
PSC-124055

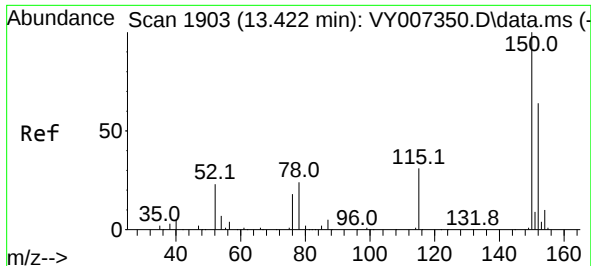
Tgt Ion: 95 Resp: 85563
Ion Ratio Lower Upper
95 100
174 75.7 0.0 177.0
176 73.4 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY007407.D
Acq: 07 Feb 2022 12:57

Tgt Ion: 117 Resp: 192232
Ion Ratio Lower Upper
117 100
82 56.1 43.0 64.4
119 31.4 25.4 38.0

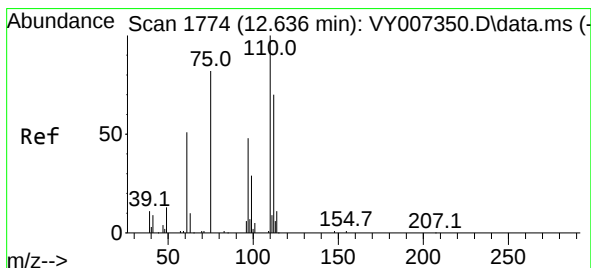
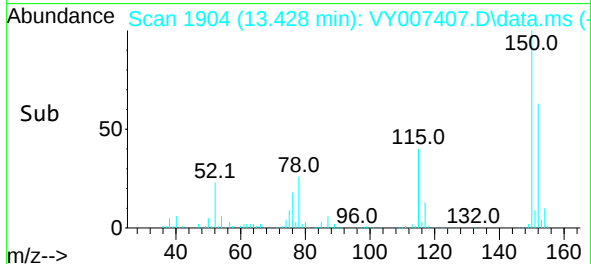
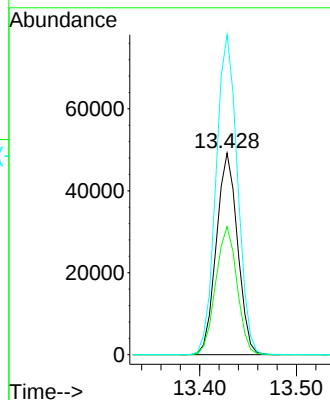
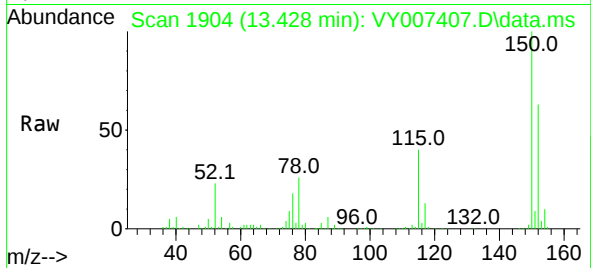




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY007407.D
 Acq: 07 Feb 2022 12:57

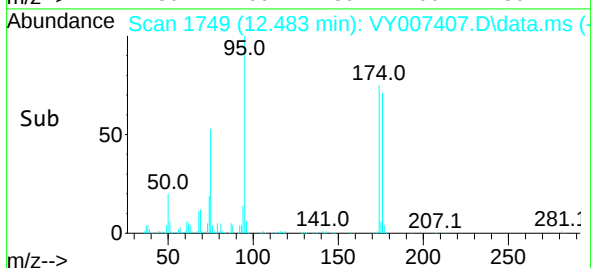
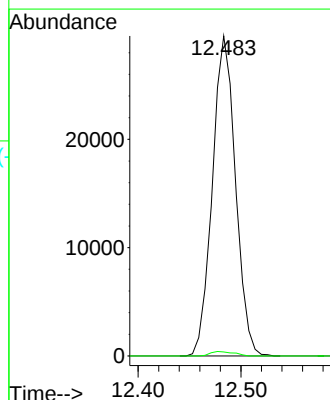
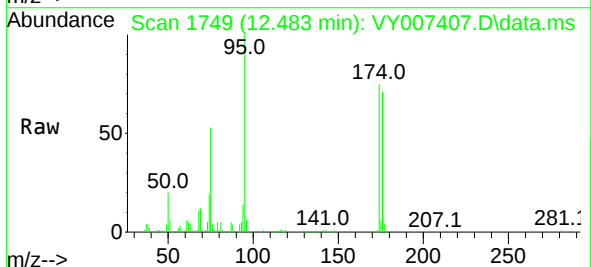
Instrument :
 MSVOA_Y
 ClientSampleId :
 PSC-124055

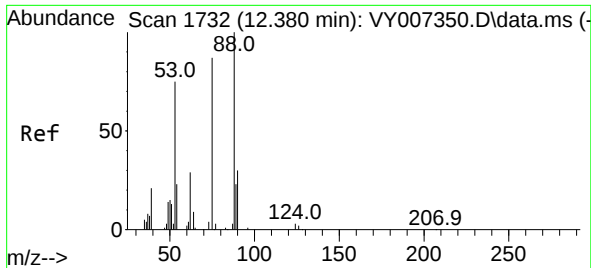
Tgt Ion:152 Resp: 74890
 Ion Ratio Lower Upper
 152 100
 115 63.6 28.2 84.7
 150 160.9 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 51.825 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY007407.D
 Acq: 07 Feb 2022 12:57

Tgt Ion: 75 Resp: 46140
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 103.827 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY007407.D
 Acq: 07 Feb 2022 12:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 PSC-124055

Tgt Ion: 75 Resp: 46140
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.0 37.0 55.4#

