

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021722\
 Data File : VY007529.D
 Acq On : 17 Feb 2022 17:48
 Operator : SY/MD
 Sample : N1580-04
 Misc : 5.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 D-4

Quant Time: Feb 18 07:42:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021422S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 15 09:34:50 2022
 Response via : Initial Calibration

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

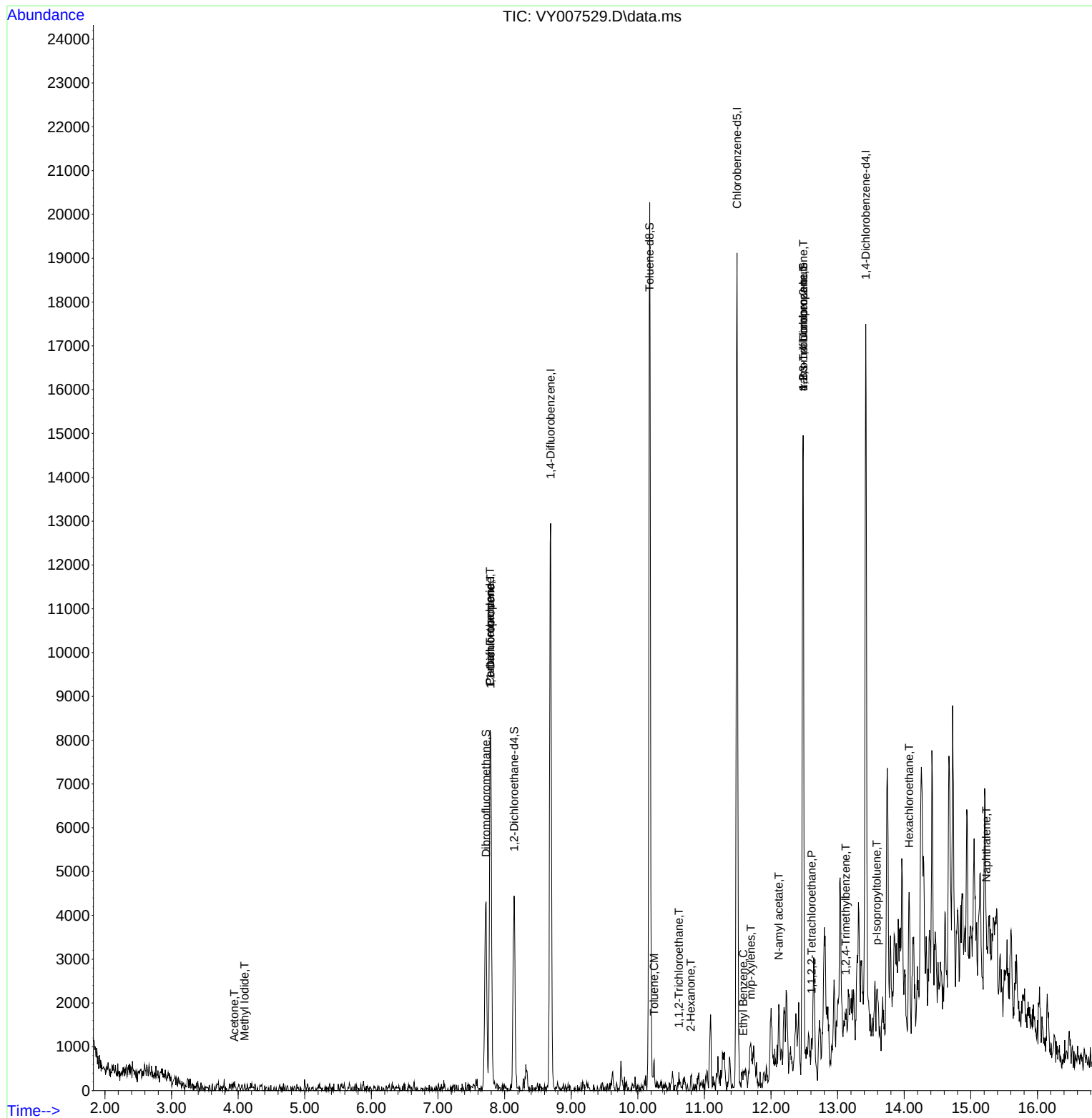
Internal Standards						
1) Pentafluorobenzene	7.783	168	6581	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.691	114	11164	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	10303	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	4258	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	3417	47.029	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.060%
35) Dibromofluoromethane	7.722	113	2939	41.745	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	83.500%
50) Toluene-d8	10.179	98	13403	50.123	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.240%
62) 4-Bromofluorobenzene	12.483	95	4760	52.499	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	105.000%
Target Compounds						
					Qvalue	
3) Chloromethane	2.125	50	51	Below Cal	#	44
5) Bromomethane	2.662	94	116	Below Cal	#	77
10) Methyl Iodide	4.094	142	132	1.397	ug/l #	35
16) Acetone	3.942	43	142	7.366	ug/l #	47
36) 1,1-Dichloropropene	7.789	75	490	4.296	ug/l #	42
38) Carbon Tetrachloride	7.783	117	731	5.640	ug/l #	11
52) Toluene	10.246	92	233	1.159	ug/l	78
55) 1,1,2-Trichloroethane	10.618	97	107	1.742	ug/l #	15
59) 2-Hexanone	10.794	43	121	3.224	ug/l #	28
67) Ethyl Benzene	11.581	91	427	1.011	ug/l #	44
68) m/p-Xylenes	11.697	106	330	2.065	ug/l	84
74) N-amyl acetate	12.117	43	579	6.780	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	12.611	83	90	1.393	ug/l #	26
76) 1,2,3-Trichloropropane	12.483	75	2393	48.639	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	2393	101.094	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.123	105	443	1.462	ug/l	96
86) p-Isopropyltoluene	13.587	119	365	1.101	ug/l	82
90) Hexachloroethane	14.074	117	769	12.137	ug/l #	6
95) Naphthalene	15.233	128	646	3.566	ug/l #	74

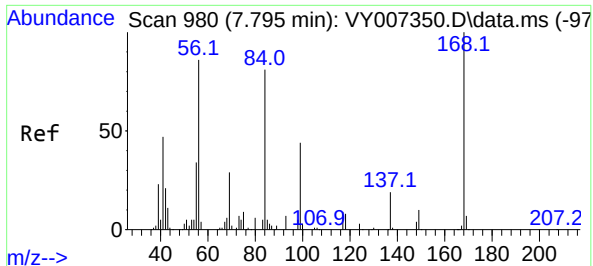
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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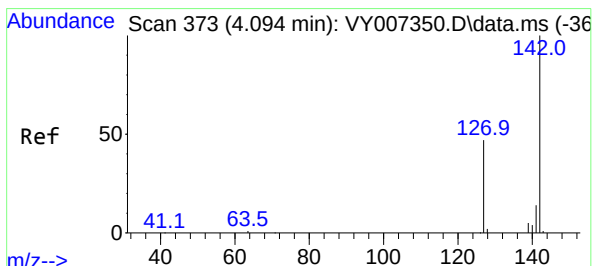
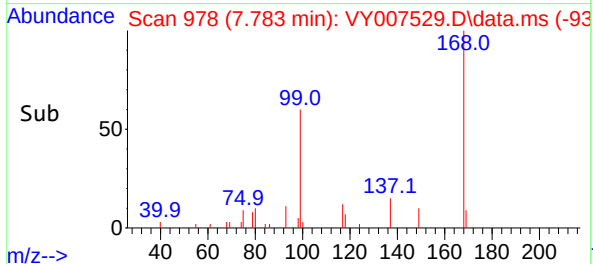
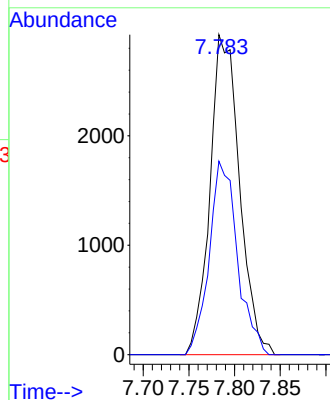
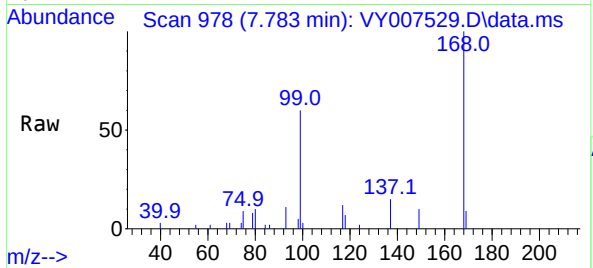




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY007529.D
Acq: 17 Feb 2022 17:48

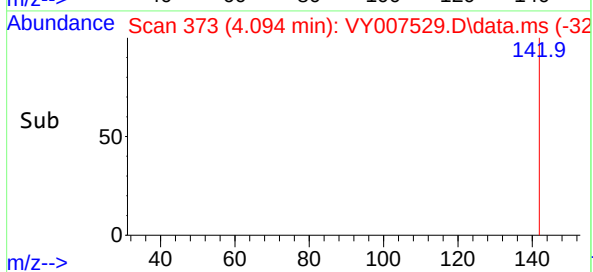
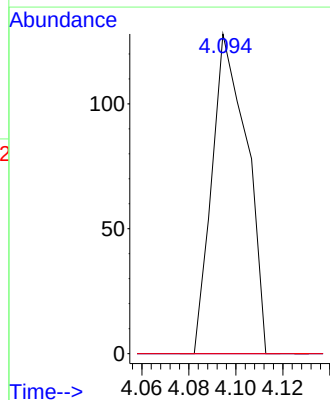
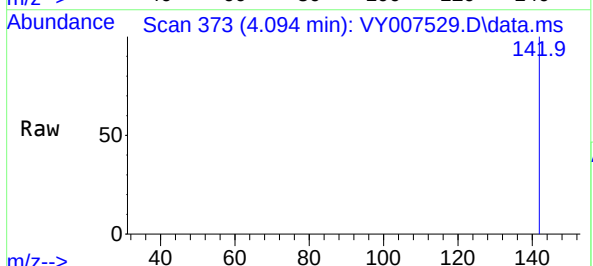
Instrument :
MSVOA_Y
ClientSampleId :
D-4

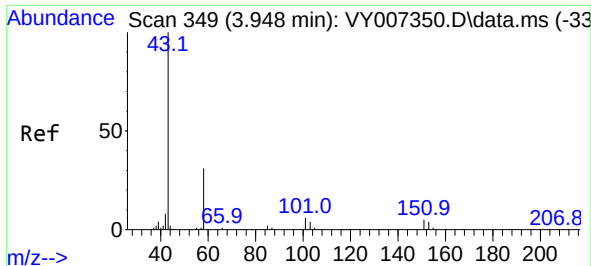
Tgt Ion:168 Resp: 6581
Ion Ratio Lower Upper
168 100
99 60.4 46.9 70.3



#10
Methyl Iodide
Concen: 1.397 ug/l
RT: 4.094 min Scan# 373
Delta R.T. 0.000 min
Lab File: VY007529.D
Acq: 17 Feb 2022 17:48

Tgt Ion:142 Resp: 132
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#

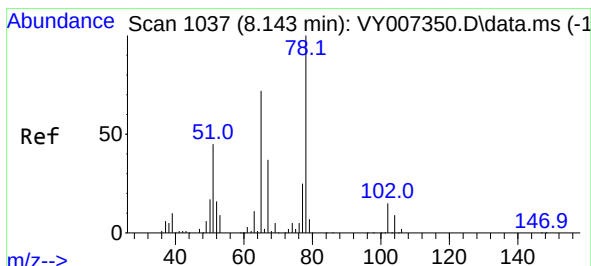
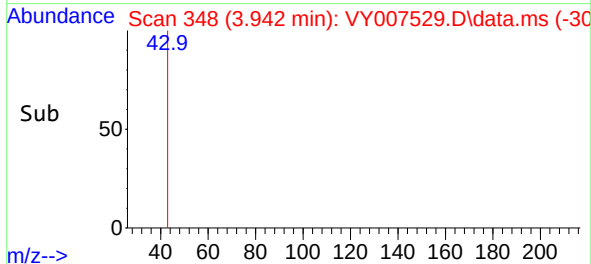
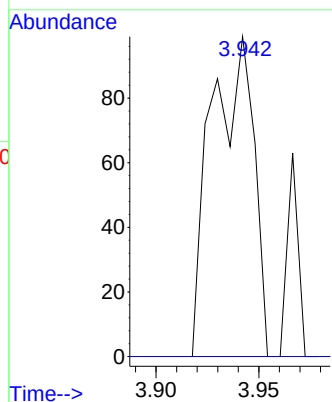
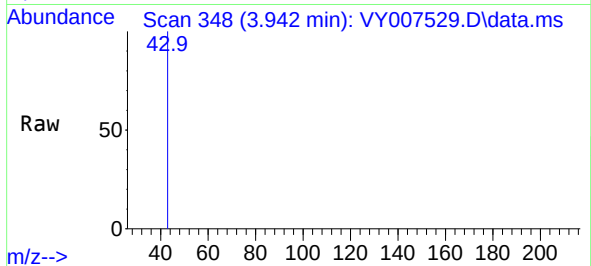




#16
Acetone
Concen: 7.366 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY007529.D
Acq: 17 Feb 2022 17:48

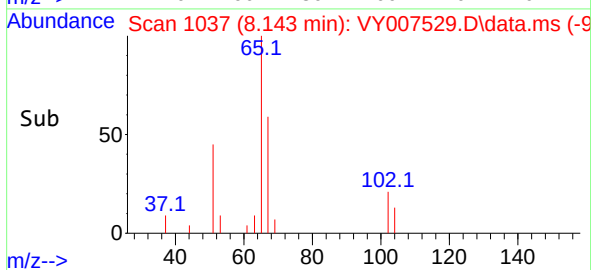
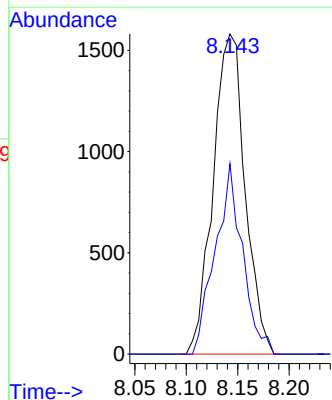
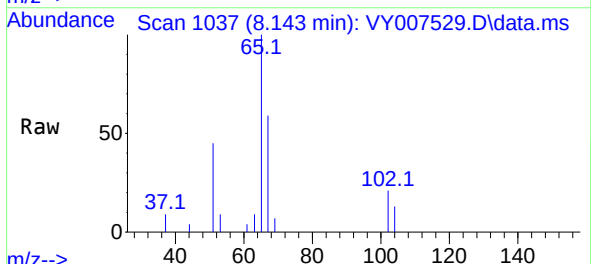
Instrument :
MSVOA_Y
ClientSampleId :
D-4

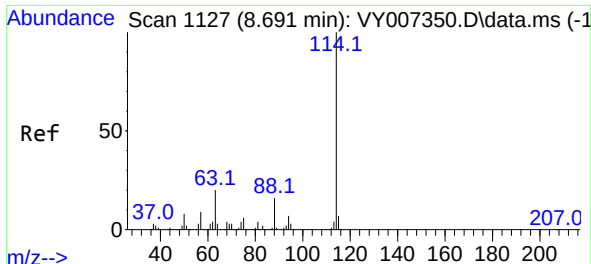
Tgt Ion: 43 Resp: 142
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#33
1,2-Dichloroethane-d4
Concen: 47.029 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY007529.D
Acq: 17 Feb 2022 17:48

Tgt Ion: 65 Resp: 3417
Ion Ratio Lower Upper
65 100
67 50.8 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: VY007529.D

Acq: 17 Feb 2022 17:48

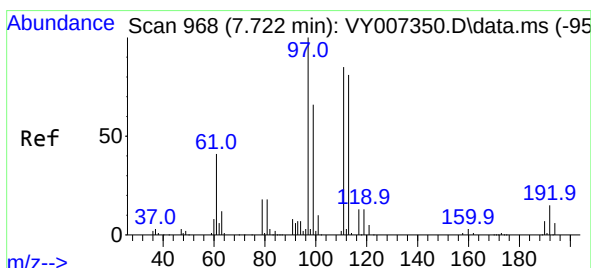
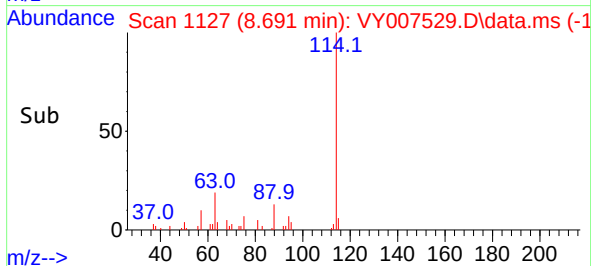
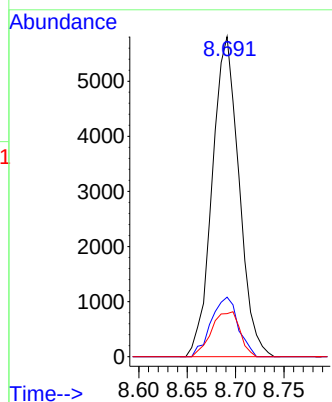
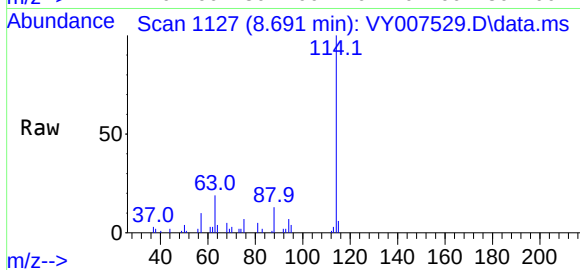
Instrument :

MSVOA_Y

ClientSampleId :

D-4

Tgt Ion:114	Resp:	11164
Ion	Ratio	Lower Upper
114	100	
63	18.6	0.0 43.2
88	13.5	0.0 31.8



#35

Dibromofluoromethane

Concen: 41.745 ug/l

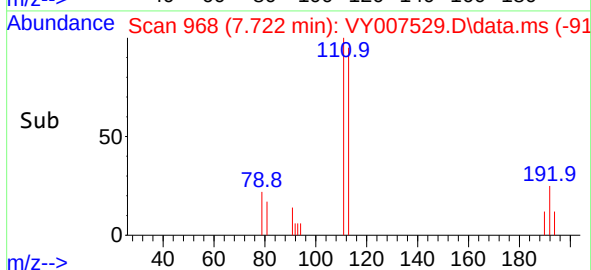
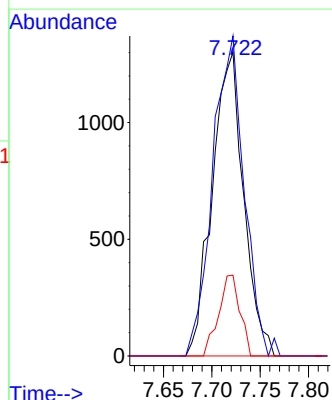
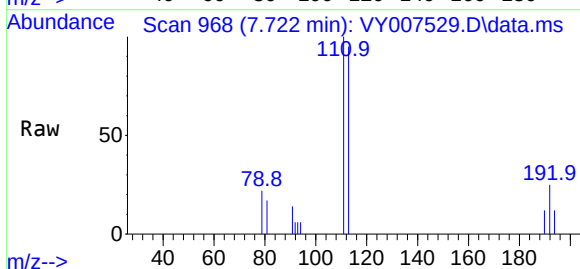
RT: 7.722 min Scan# 968

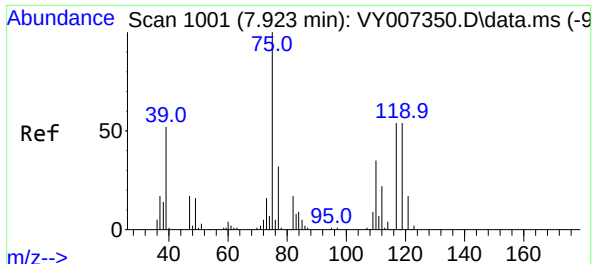
Delta R.T. -0.000 min

Lab File: VY007529.D

Acq: 17 Feb 2022 17:48

Tgt Ion:113	Resp:	2939
Ion	Ratio	Lower Upper
113	100	
111	106.0	82.6 124.0
192	18.0	17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.296 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY007529.D

Acq: 17 Feb 2022 17:48

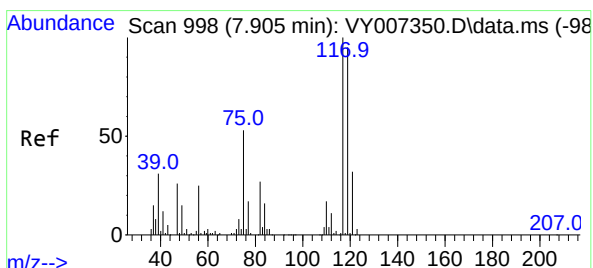
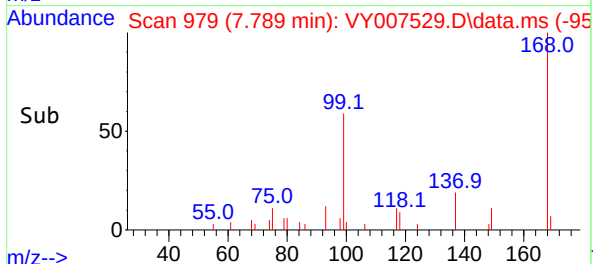
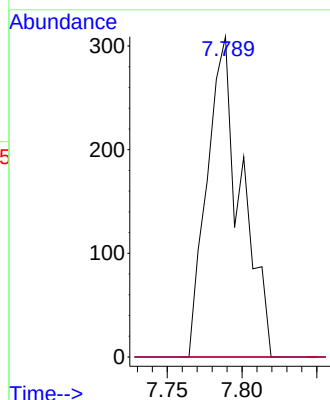
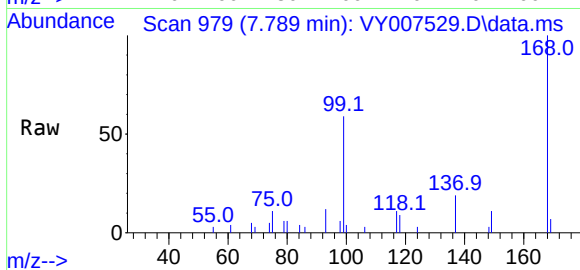
Instrument :

MSVOA_Y

ClientSampleId :

D-4

Tgt Ion:	75	Resp:	490
Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.1	51.2#
77	0.0	24.4	36.6#



#38

Carbon Tetrachloride

Concen: 5.640 ug/l

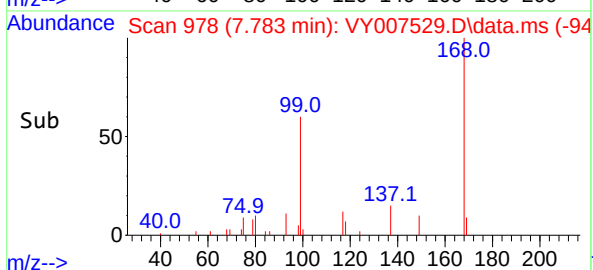
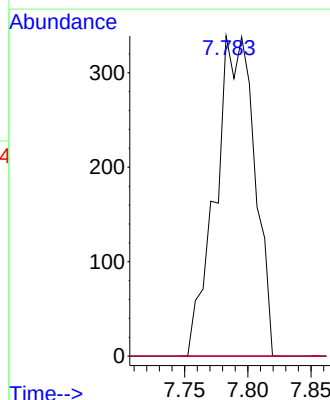
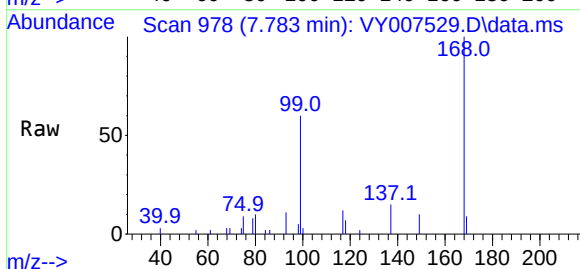
RT: 7.783 min Scan# 978

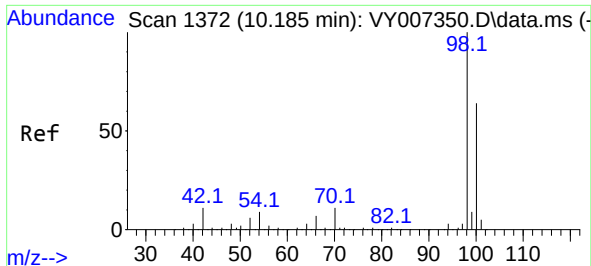
Delta R.T. -0.122 min

Lab File: VY007529.D

Acq: 17 Feb 2022 17:48

Tgt Ion:	117	Resp:	731
Ion	Ratio	Lower	Upper
117	100		
119	0.0	77.9	116.9#
121	0.0	24.8	37.2#





#50

Toluene-d8

Concen: 50.123 ug/l

RT: 10.179 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY007529.D

Acq: 17 Feb 2022 17:48

Instrument :

MSVOA_Y

ClientSampleId :

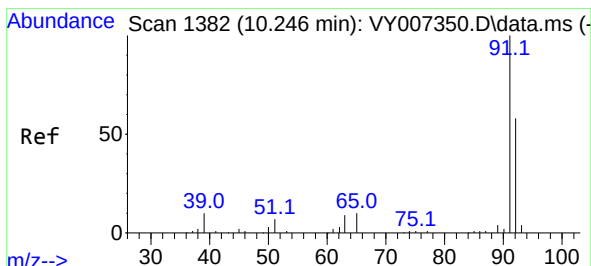
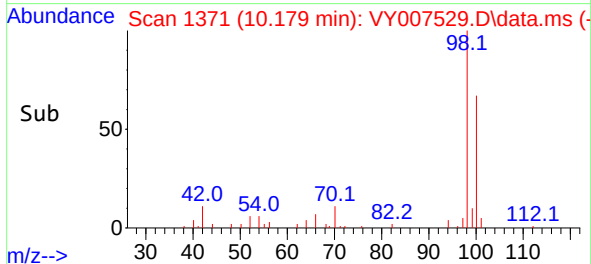
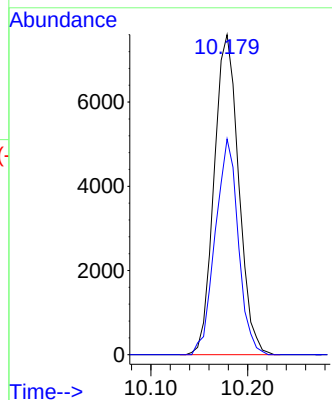
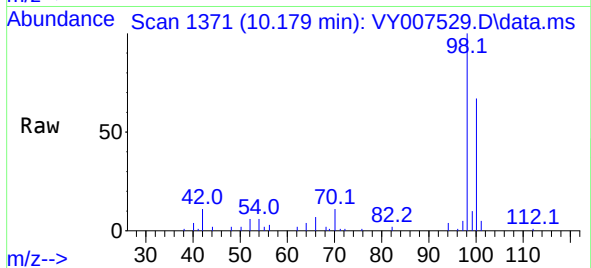
D-4

Tgt Ion: 98 Resp: 13403

Ion Ratio Lower Upper

98 100

100 63.2 50.2 75.2



#52

Toluene

Concen: 1.159 ug/l

RT: 10.246 min Scan# 1382

Delta R.T. -0.000 min

Lab File: VY007529.D

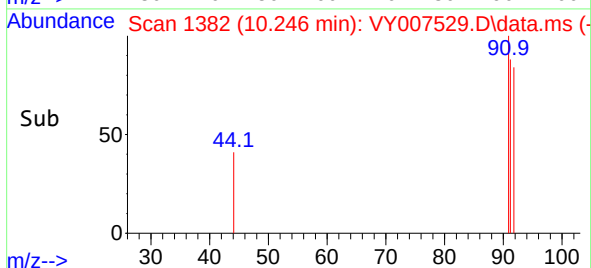
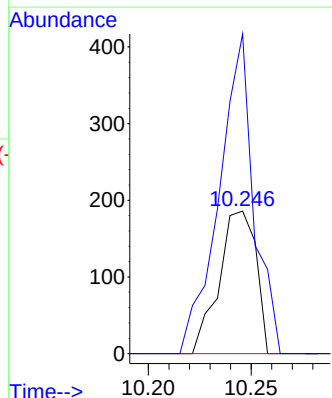
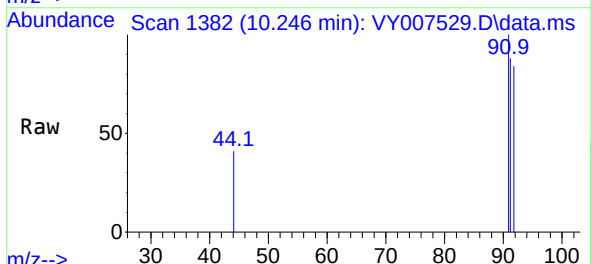
Acq: 17 Feb 2022 17:48

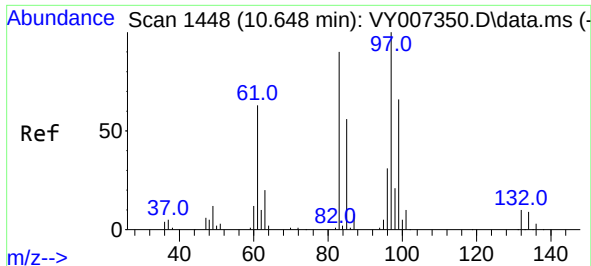
Tgt Ion: 92 Resp: 233

Ion Ratio Lower Upper

92 100

91 209.9 142.6 213.8

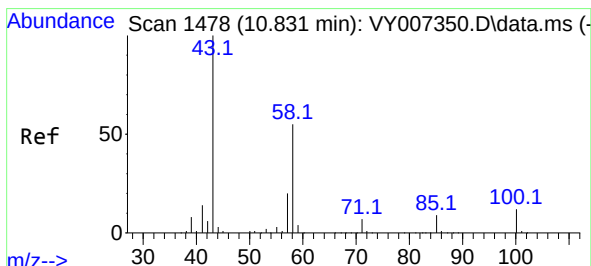
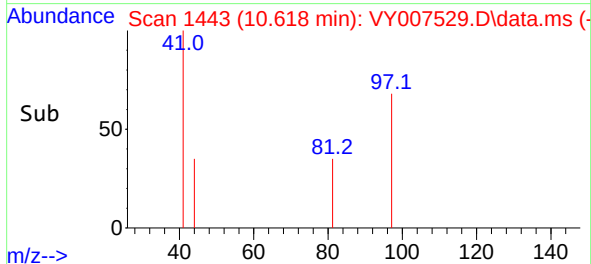
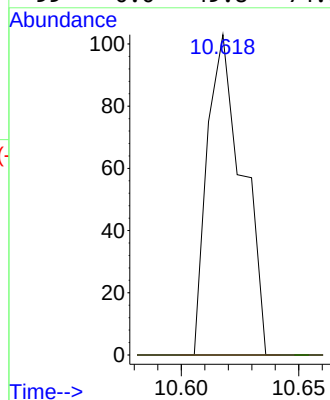
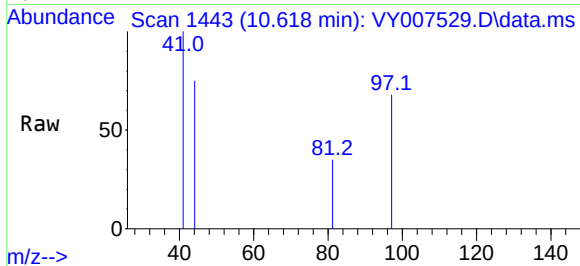




#55
1,1,2-Trichloroethane
Concen: 1.742 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.030 min
Lab File: VY007529.D
Acq: 17 Feb 2022 17:48

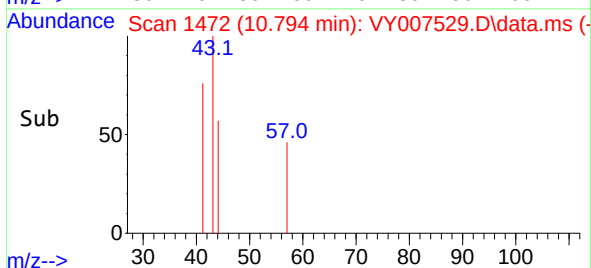
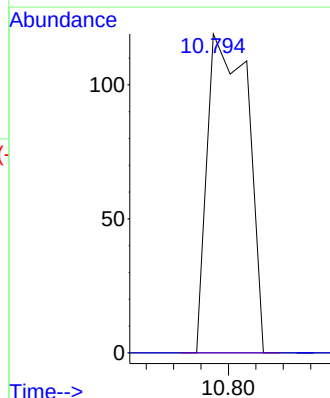
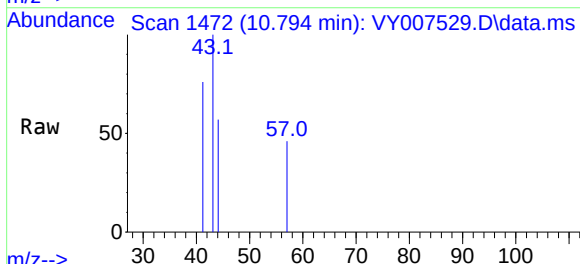
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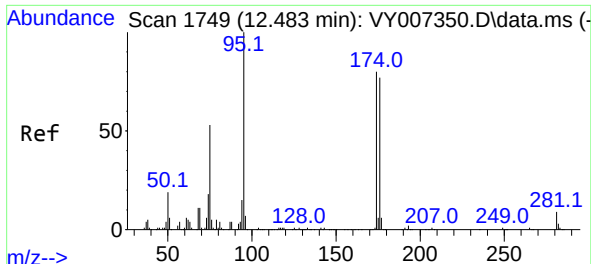
Tgt Ion: 97	Resp: 107
Ion Ratio	Lower Upper
97 100	
83 0.0	69.8 104.8#
85 0.0	44.3 66.5#
99 0.0	49.8 74.6#



#59
2-Hexanone
Concen: 3.224 ug/l
RT: 10.794 min Scan# 1472
Delta R.T. -0.037 min
Lab File: VY007529.D
Acq: 17 Feb 2022 17:48

Tgt Ion: 43	Resp:	121	
Ion	Ratio	Lower	Upper
43	100		
58	0.0	24.4	73.4#

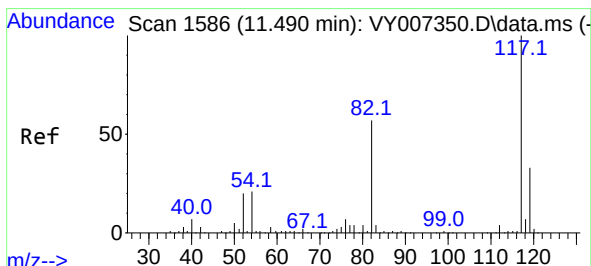
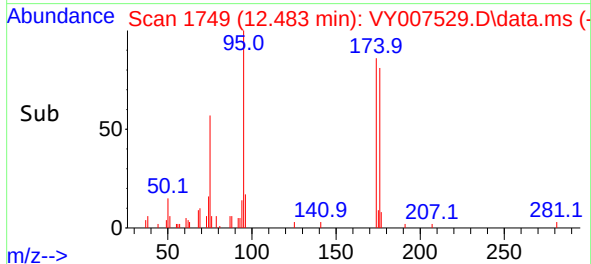
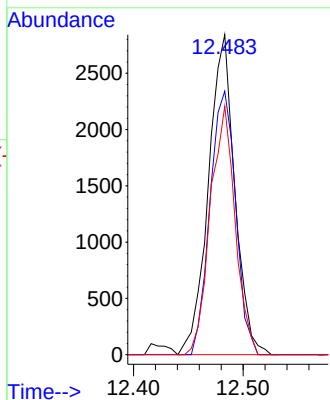
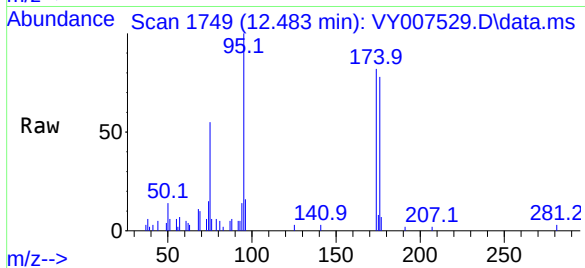




#62
4-Bromofluorobenzene
Concen: 52.499 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY007529.D
Acq: 17 Feb 2022 17:48

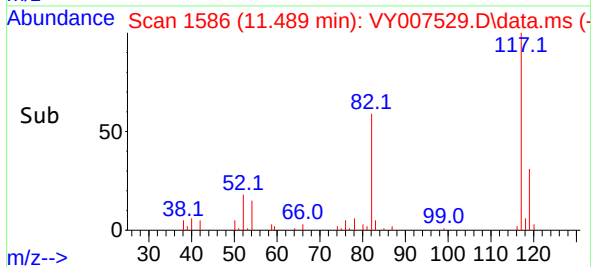
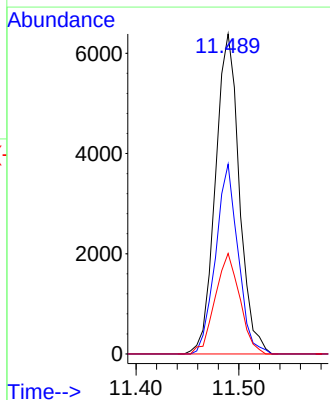
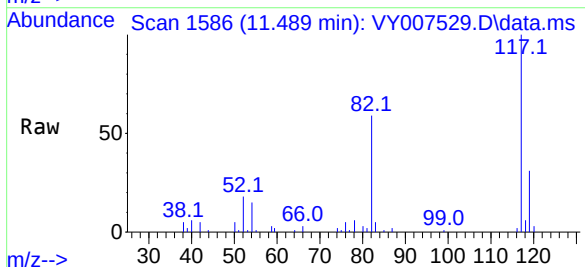
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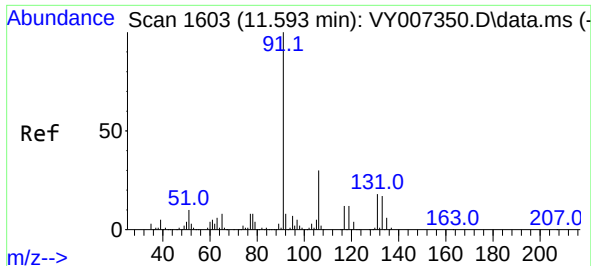
Tgt Ion: 95 Resp: 4760
Ion Ratio Lower Upper
95 100
174 80.1 0.0 177.0
176 73.0 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY007529.D
Acq: 17 Feb 2022 17:48

Tgt Ion: 117 Resp: 10303
Ion Ratio Lower Upper
117 100
82 59.3 43.0 64.4
119 31.4 25.4 38.0





#67

Ethyl Benzene

Concen: 1.011 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.012 min

Lab File: VY007529.D

Acq: 17 Feb 2022 17:48

Instrument :

MSVOA_Y

ClientSampleId :

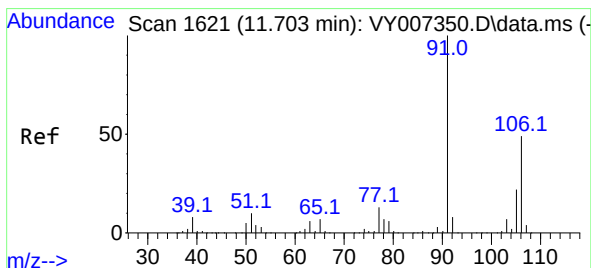
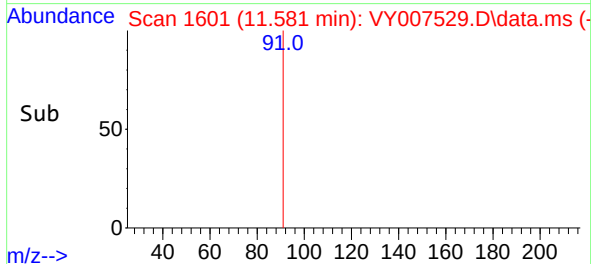
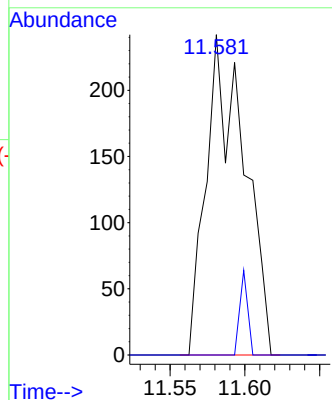
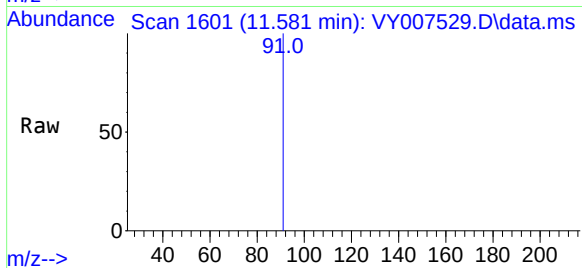
D-4

Tgt Ion: 91 Resp: 427

Ion Ratio Lower Upper

91 100

106 0.0 24.5 36.7#



#68

m/p-Xylenes

Concen: 2.065 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.006 min

Lab File: VY007529.D

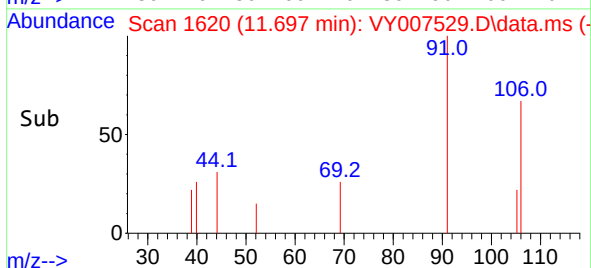
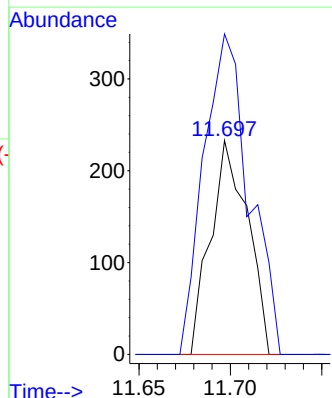
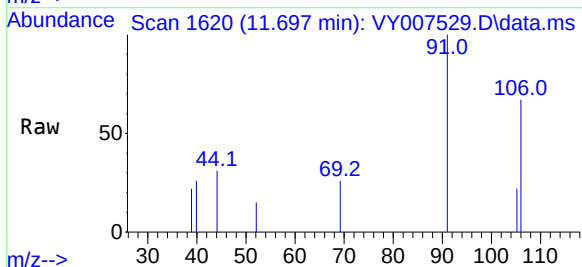
Acq: 17 Feb 2022 17:48

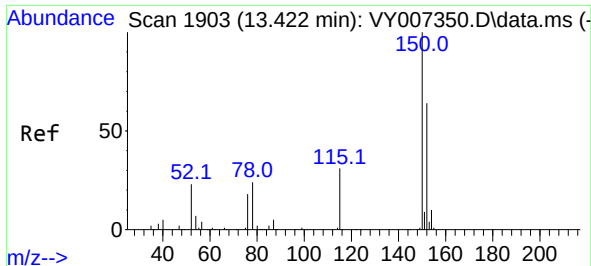
Tgt Ion: 106 Resp: 330

Ion Ratio Lower Upper

106 100

91 183.0 166.6 249.8

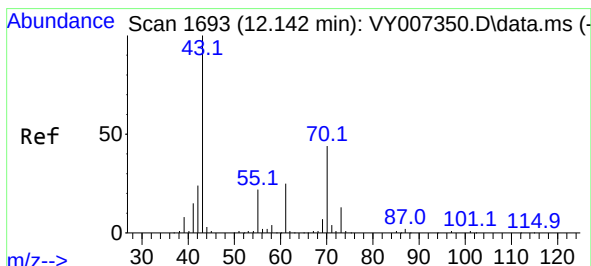
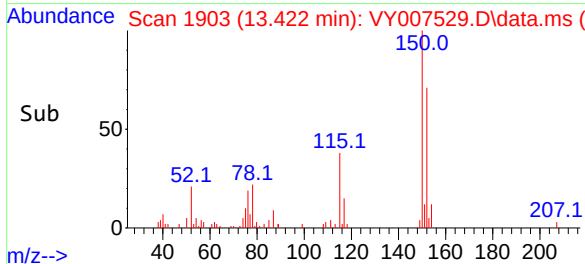
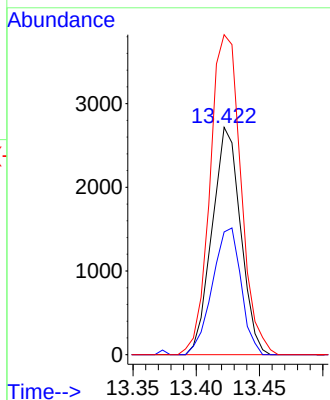
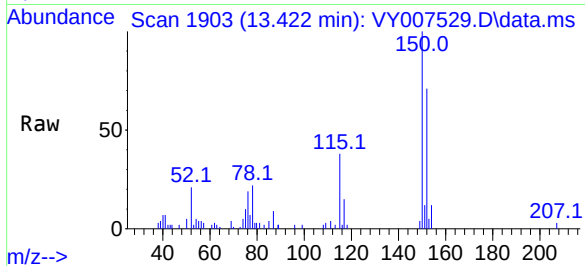




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY007529.D
Acq: 17 Feb 2022 17:48

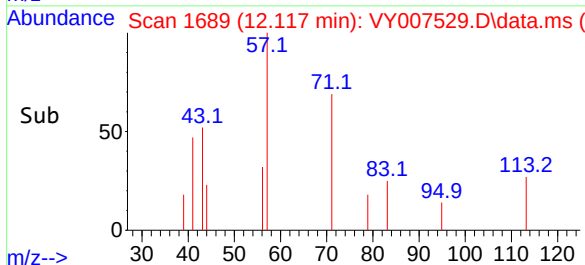
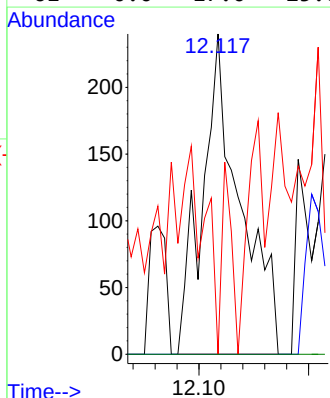
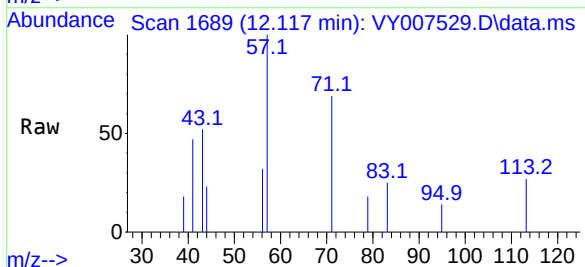
Instrument :
MSVOA_Y
ClientSampleId :
D-4

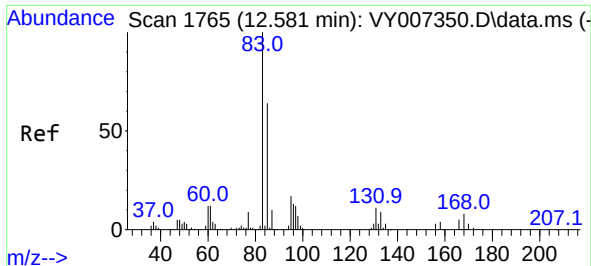
Tgt Ion:152 Resp: 4258
Ion Ratio Lower Upper
152 100
115 56.2 28.2 84.7
150 152.2 0.0 347.6



#74
N-ethyl acetate
Concen: 6.780 ug/l
RT: 12.117 min Scan# 1689
Delta R.T. -0.025 min
Lab File: VY007529.D
Acq: 17 Feb 2022 17:48

Tgt Ion: 43 Resp: 579
Ion Ratio Lower Upper
43 100
70 0.0 28.7 43.1#
55 14.9 17.3 25.9#
61 0.0 17.0 25.6#

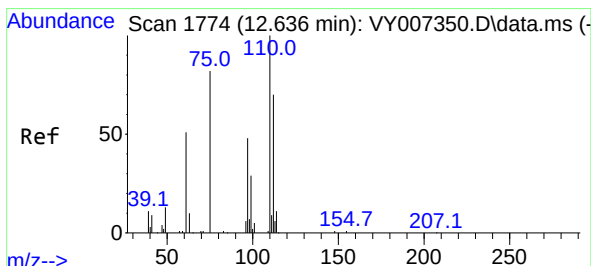
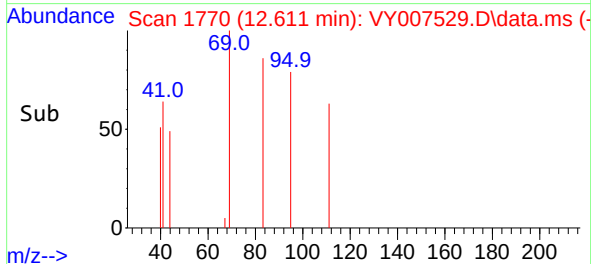
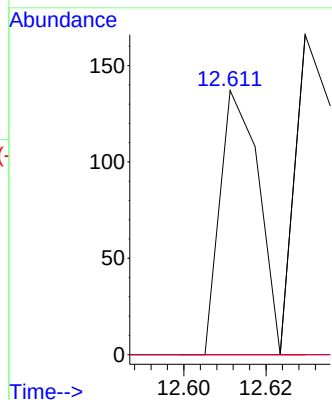
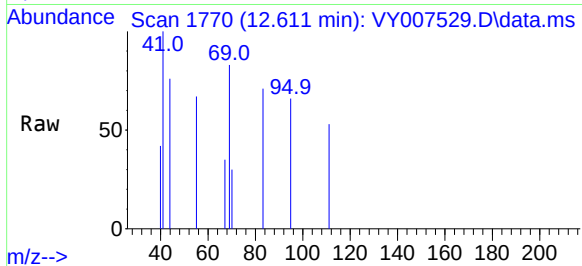




#75
1,1,2,2-Tetrachloroethane
Concen: 1.393 ug/l
RT: 12.611 min Scan# 1770
Delta R.T. 0.030 min
Lab File: VY007529.D
Acq: 17 Feb 2022 17:48

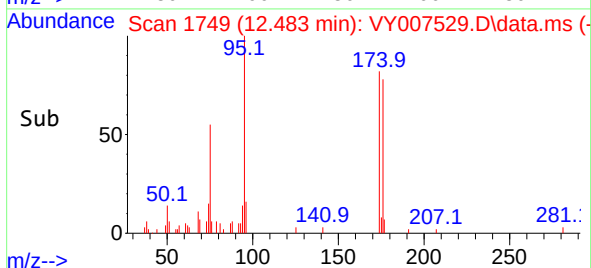
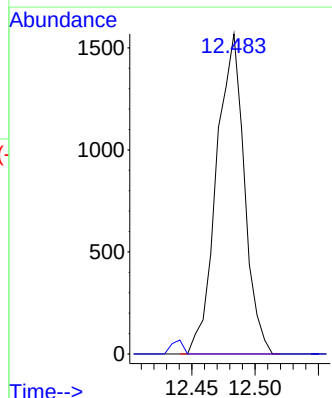
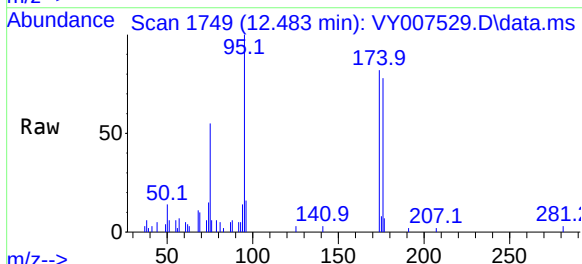
Instrument :
MSVOA_Y
ClientSampleId :
D-4

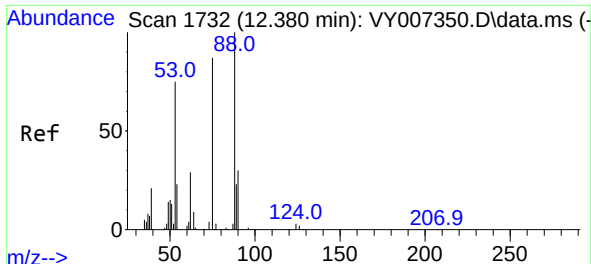
Tgt Ion: 83 Resp: 90
Ion Ratio Lower Upper
83 100
131 0.0 5.6 16.8#
85 0.0 32.3 96.8#



#76
1,2,3-Trichloropropane
Concen: 48.639 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY007529.D
Acq: 17 Feb 2022 17:48

Tgt Ion: 75 Resp: 2393
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

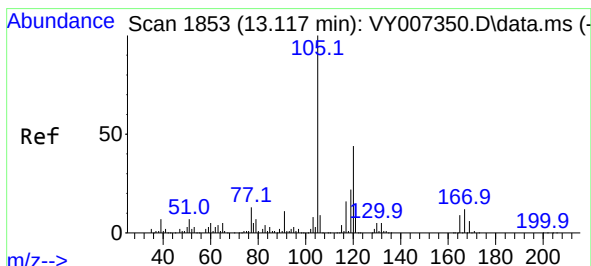
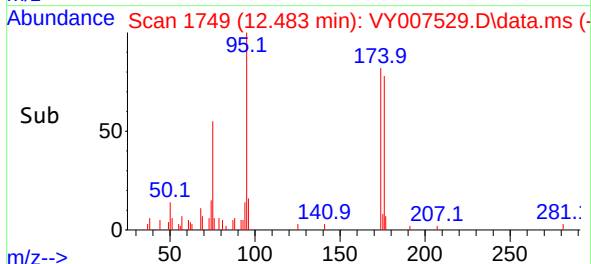
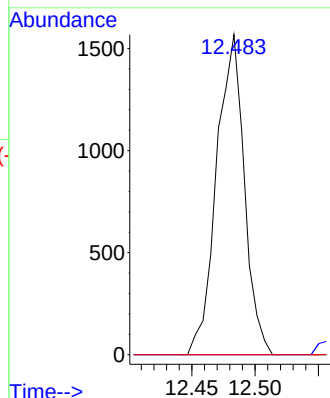
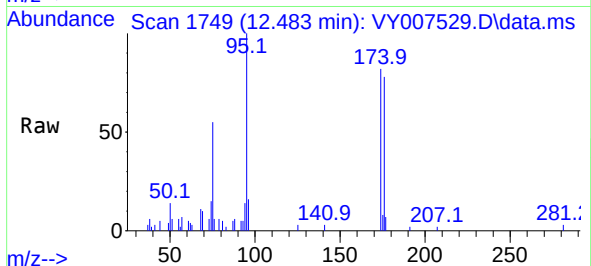




#81
trans-1,4-Dichloro-2-butene
Concen: 101.094 ug/l
RT: 12.483 min Scan# 1732
Delta R.T. 0.103 min
Lab File: VY007529.D
Acq: 17 Feb 2022 17:48

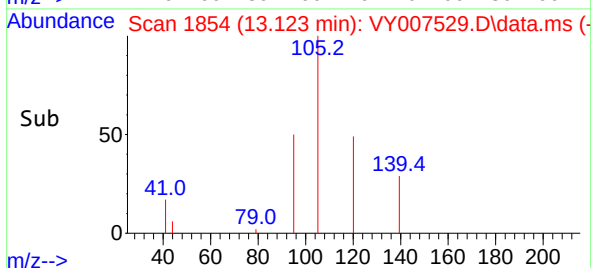
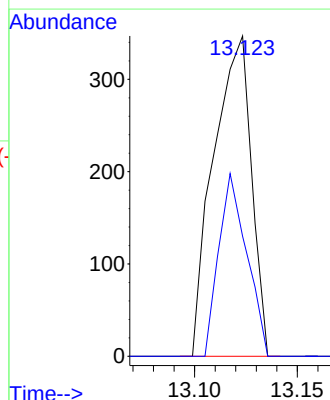
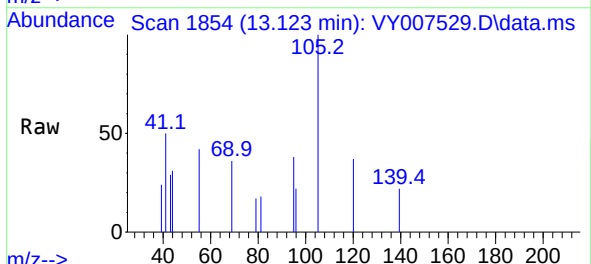
Instrument :
MSVOA_Y
ClientSampleId :
D-4

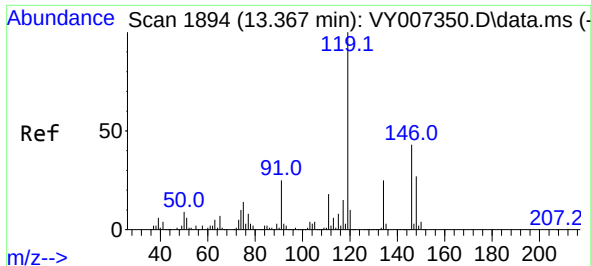
Tgt Ion: 75 Resp: 2393
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.462 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY007529.D
Acq: 17 Feb 2022 17:48

Tgt Ion: 105 Resp: 443
Ion Ratio Lower Upper
105 100
120 42.2 22.3 66.9

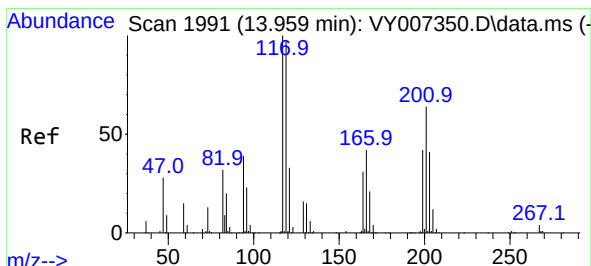
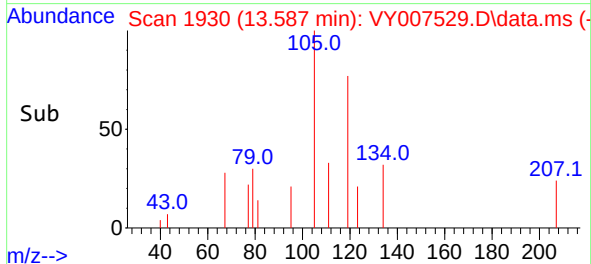
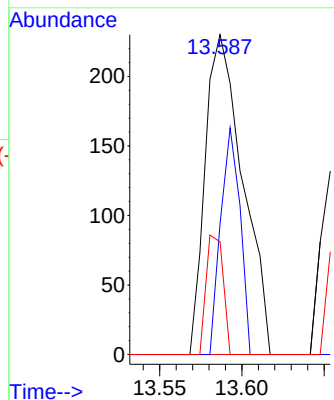
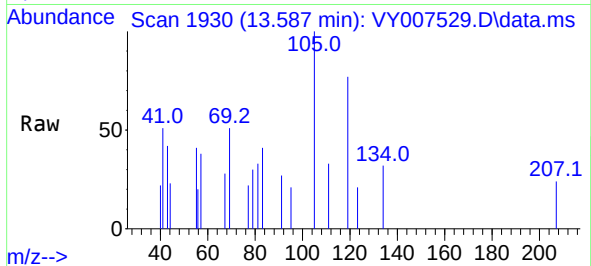




#86
p-Isopropyltoluene
Concen: 1.101 ug/l
RT: 13.587 min Scan# 11
Delta R.T. 0.220 min
Lab File: VY007529.D
Acq: 17 Feb 2022 17:48

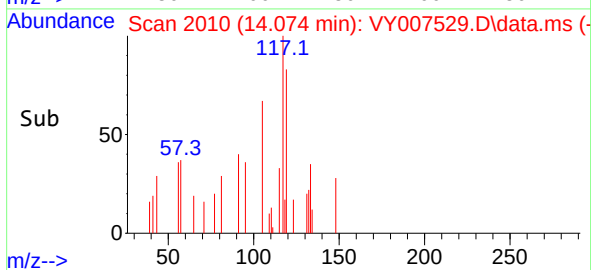
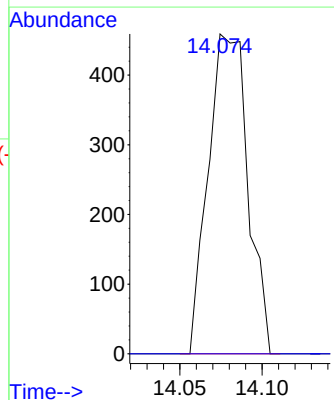
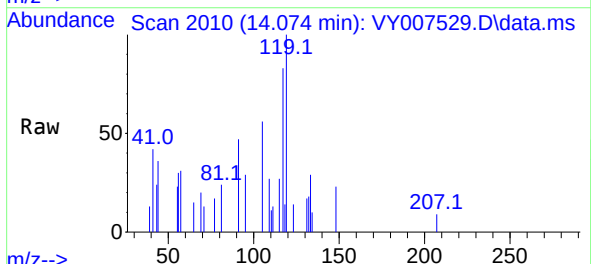
Instrument :
MSVOA_Y
ClientSampleId :
D-4

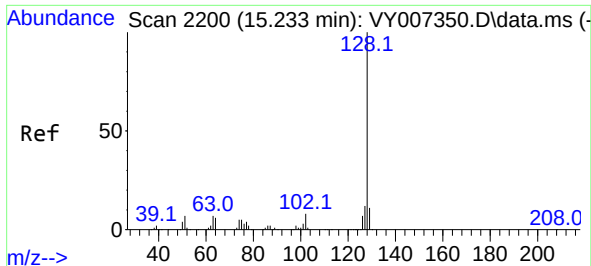
Tgt Ion:	119	Resp:	365
Ion	Ratio	Lower	Upper
119	100		
134	36.4	13.2	39.5
91	16.7	12.4	37.2



#90
Hexachloroethane
Concen: 12.137 ug/l
RT: 14.074 min Scan# 2010
Delta R.T. 0.115 min
Lab File: VY007529.D
Acq: 17 Feb 2022 17:48

Tgt Ion:	117	Resp:	769
Ion	Ratio	Lower	Upper
117	100		
201	0.0	43.0	128.8#





#95

Naphthalene

Concen: 3.566 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY007529.D

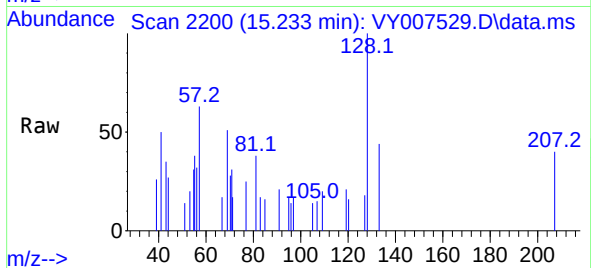
Acq: 17 Feb 2022 17:48

Instrument :

MSVOA_Y

ClientSampleId :

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Tgt Ion:128 Resp: 646

Ion Ratio Lower Upper

128 100

127 4.0 11.0 16.4#

129 0.0 8.4 12.6#

