

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012622\
 Data File : VY007307.D
 Acq On : 26 Jan 2022 15:30
 Operator : SY/MD
 Sample : N1263-01RE
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 D2-E2B

Quant Time: Jan 27 00:34:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 14 05:48:29 2022
 Response via : Initial Calibration

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

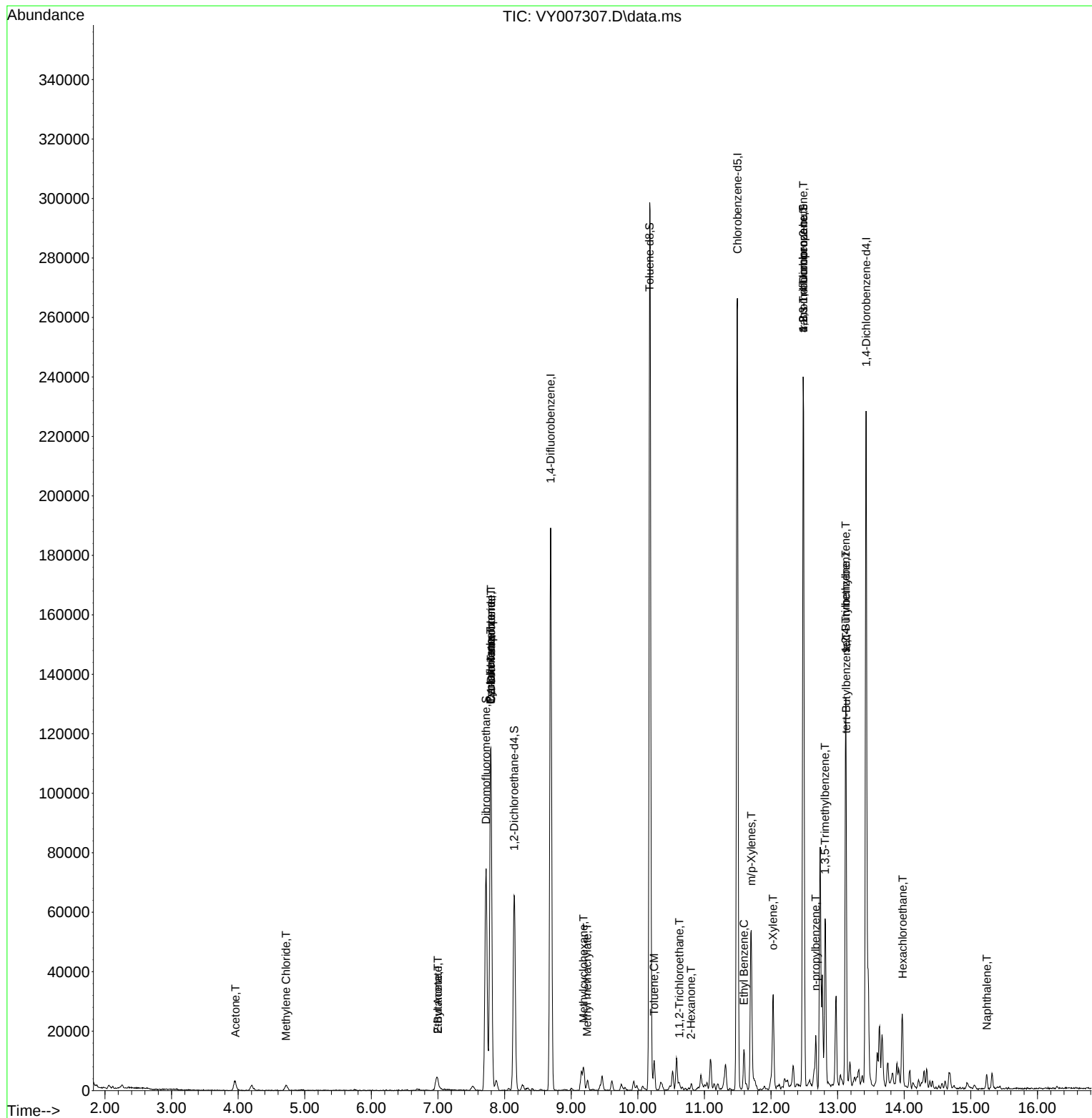
Internal Standards						
1) Pentafluorobenzene	7.789	168	85601	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	158549	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	145152	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	52750	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	53655	51.084	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.160%	
35) Dibromofluoromethane	7.722	113	52971	49.409	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.820%	
50) Toluene-d8	10.179	98	195382	49.876	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.760%	
62) 4-Bromofluorobenzene	12.483	95	62659	44.967	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 89.940%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	213	Below Cal	#	73
16) Acetone	3.960	43	6052	22.202	ug/l	97
20) Methylene Chloride	4.716	84	1388	1.231	ug/l	98
25) 2-Butanone	6.996	43	1574	4.466	ug/l	90
31) Cyclohexane	7.789	56	2509	1.413	ug/l #	43
36) 1,1-Dichloropropene	7.795	75	7489	4.374	ug/l #	49
37) Ethyl Acetate	6.996	43	1574	1.791	ug/l #	75
38) Carbon Tetrachloride	7.795	117	9194	5.105	ug/l #	15
39) Methylcyclohexane	9.185	83	3511	1.679	ug/l	92
48) Methyl methacrylate	9.240	41	786	1.011	ug/l #	38
52) Toluene	10.246	92	4162	1.438	ug/l	92
55) 1,1,2-Trichloroethane	10.624	97	1294	1.389	ug/l #	20
59) 2-Hexanone	10.801	43	1012	1.720	ug/l #	23
67) Ethyl Benzene	11.593	91	9005	1.510	ug/l	100
68) m/p-Xylenes	11.703	106	15437	6.964	ug/l	97
69) o-Xylene	12.032	106	8024	3.844	ug/l	100
76) 1,2,3-Trichloropropane	12.483	75	35004	58.196	ug/l #	100
78) n-propylbenzene	12.672	91	12798	2.266	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	25594	6.842	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.483	75	35004	106.540	ug/l #	3
83) tert-Butylbenzene	13.129	119	8308	2.570	ug/l #	61
84) 1,2,4-Trimethylbenzene	13.123	105	69235	18.672	ug/l	99
85) sec-Butylbenzene	13.123	105	69235	14.317	ug/l #	57
90) Hexachloroethane	13.977	117	793	1.021	ug/l #	16
95) Naphthalene	15.239	128	3942	1.768	ug/l	97

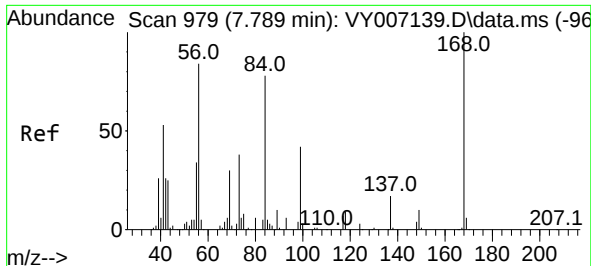
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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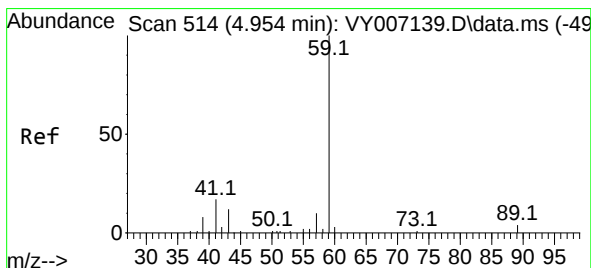
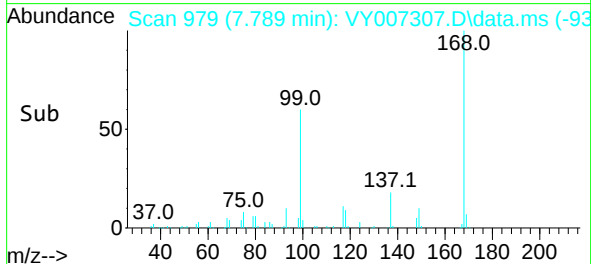
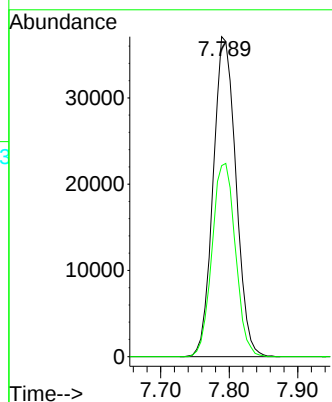
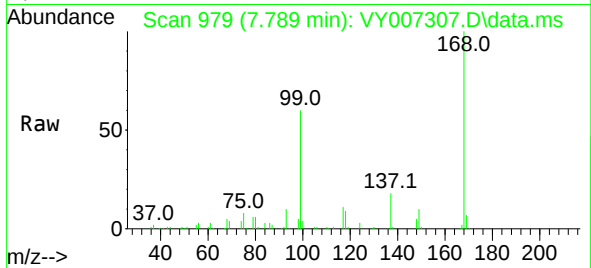




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007307.D
Acq: 26 Jan 2022 15:30

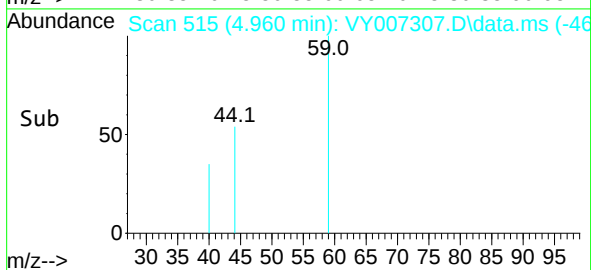
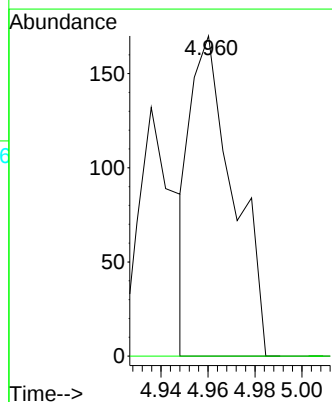
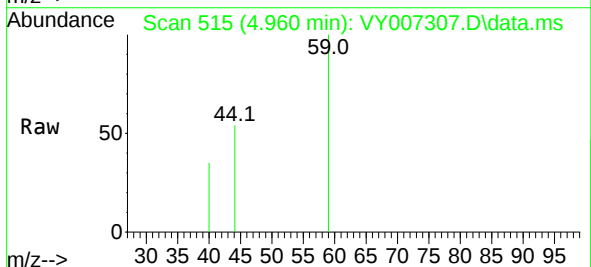
Instrument :
MSVOA_Y
ClientSampleId :
D2-E2B

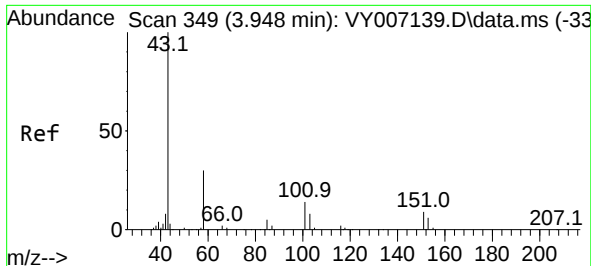
Tgt Ion:168 Resp: 85601
Ion Ratio Lower Upper
168 100
99 59.7 49.1 73.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. 0.006 min
Lab File: VY007307.D
Acq: 26 Jan 2022 15:30

Tgt Ion: 59 Resp: 213
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

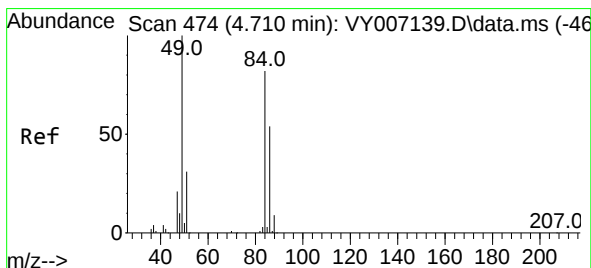
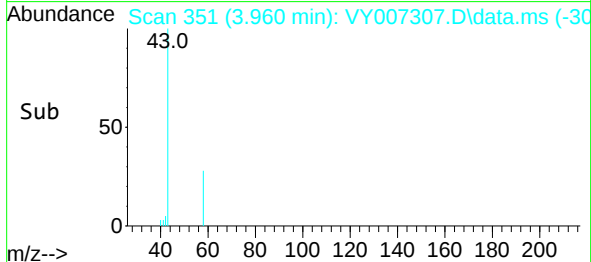
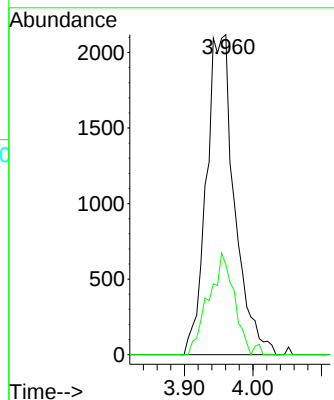
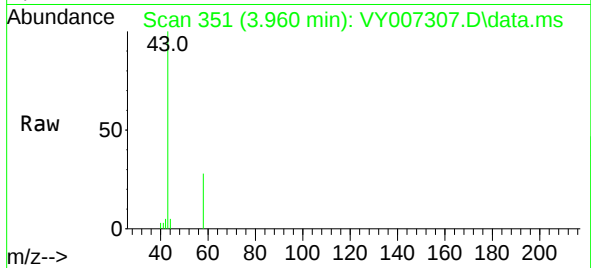




#16
Acetone
Concen: 22.202 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.013 min
Lab File: VY007307.D
Acq: 26 Jan 2022 15:30

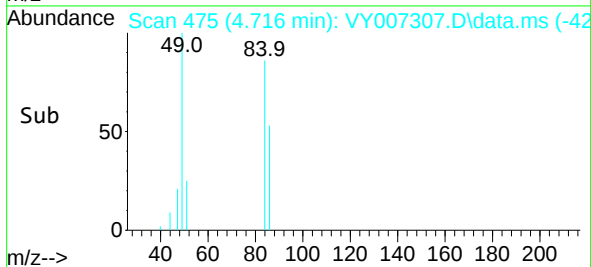
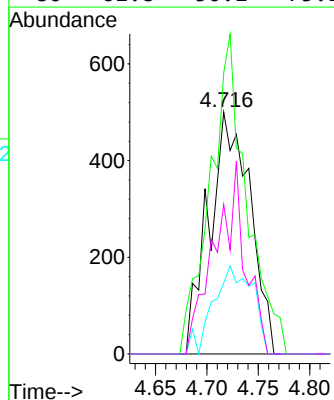
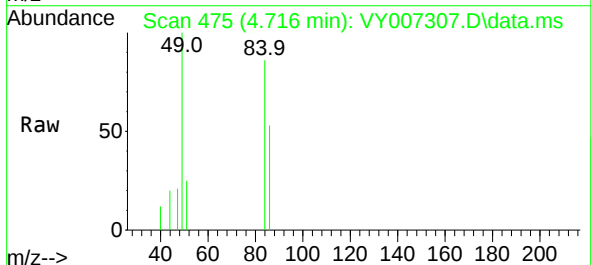
Instrument :
MSVOA_Y
ClientSampleId :
D2-E2B

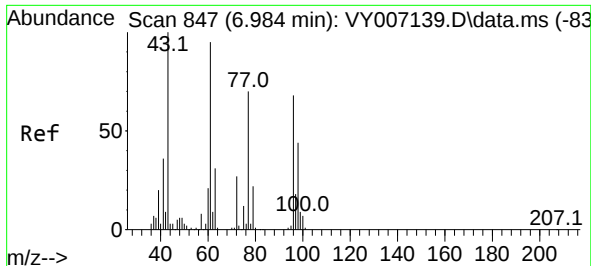
Tgt Ion: 43 Resp: 6052
Ion Ratio Lower Upper
43 100
58 28.1 23.8 35.6



#20
Methylene Chloride
Concen: 1.231 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.007 min
Lab File: VY007307.D
Acq: 26 Jan 2022 15:30

Tgt Ion: 84 Resp: 1388
Ion Ratio Lower Upper
84 100
49 116.4 92.6 139.0
51 29.4 28.6 42.8
86 61.8 50.1 75.1





#25

2-Butanone

Concen: 4.466 ug/l

RT: 6.996 min Scan# 84

Delta R.T. 0.013 min

Lab File: VY007307.D

Acq: 26 Jan 2022 15:30

Instrument :

MSVOA_Y

ClientSampleId :

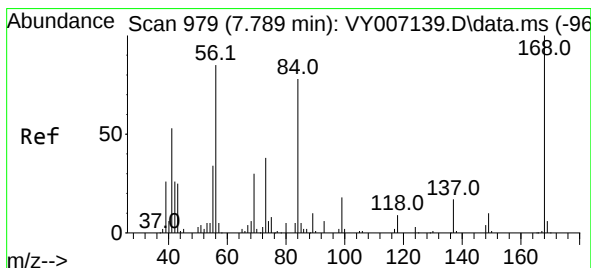
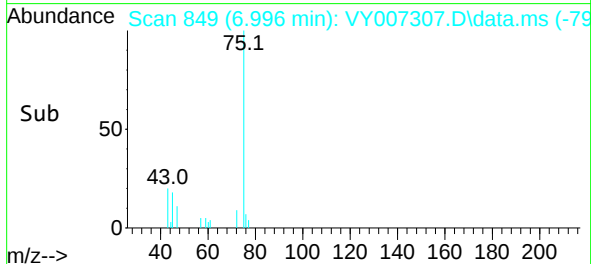
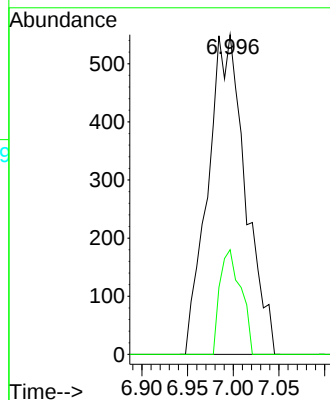
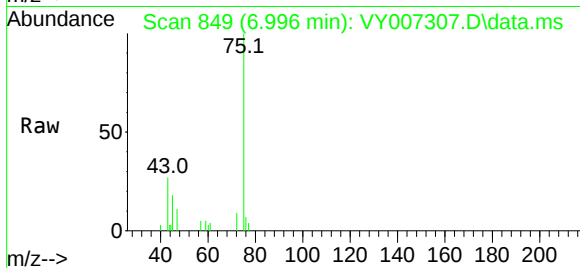
D2-E2B

Tgt Ion: 43 Resp: 1574

Ion Ratio Lower Upper

43 100

72 32.7 21.9 32.9



#31

Cyclohexane

Concen: 1.413 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.000 min

Lab File: VY007307.D

Acq: 26 Jan 2022 15:30

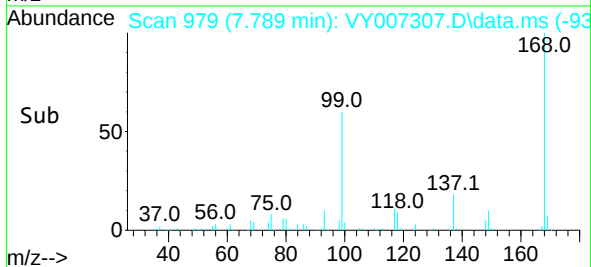
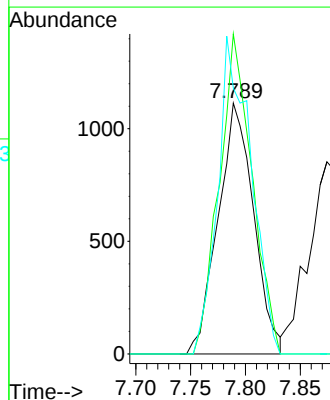
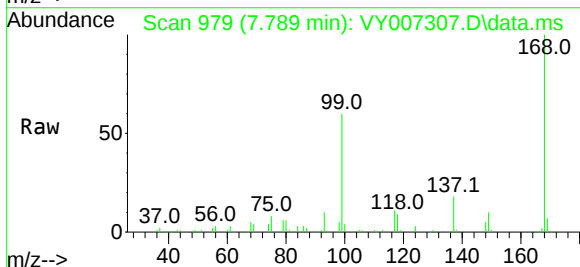
Tgt Ion: 56 Resp: 2509

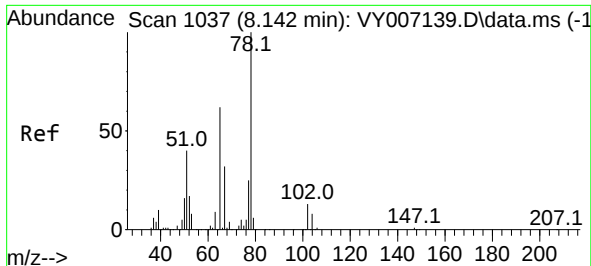
Ion Ratio Lower Upper

56 100

69 127.6 27.2 40.8#

84 106.0 72.1 108.1

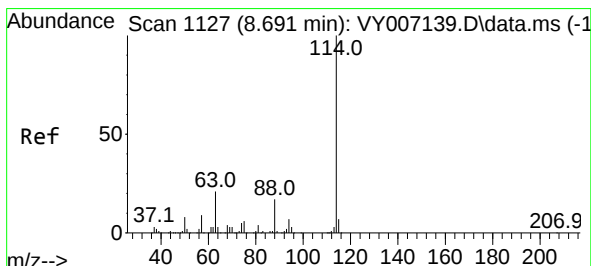
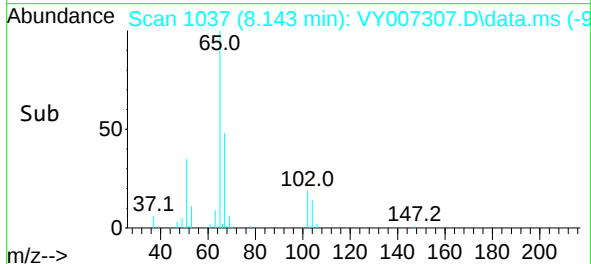
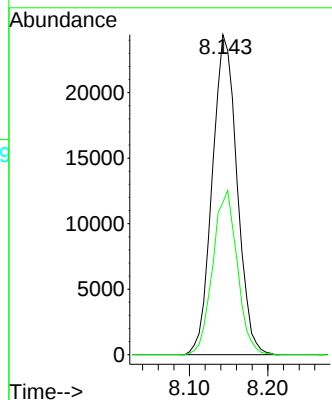
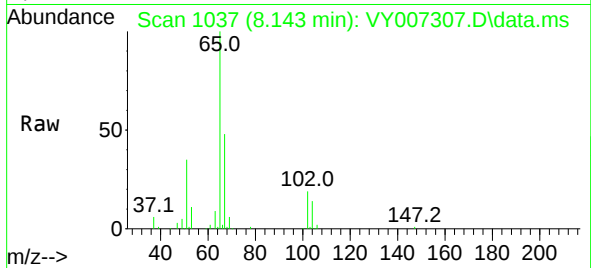




#33
 1,2-Dichloroethane-d4
 Concen: 51.084 ug/l
 RT: 8.143 min Scan# 1037
 Delta R.T. 0.000 min
 Lab File: VY007307.D
 Acq: 26 Jan 2022 15:30

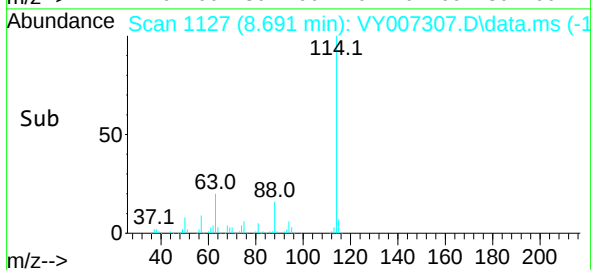
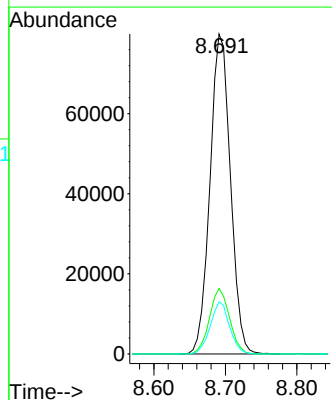
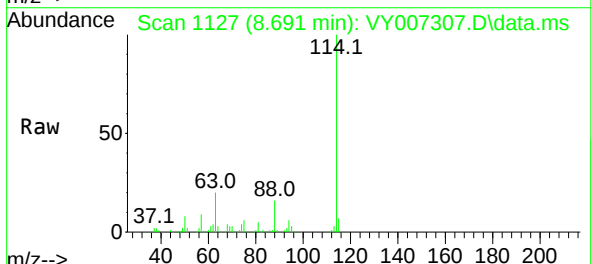
Instrument :
 MSVOA_Y
 ClientSampleId :
 D2-E2B

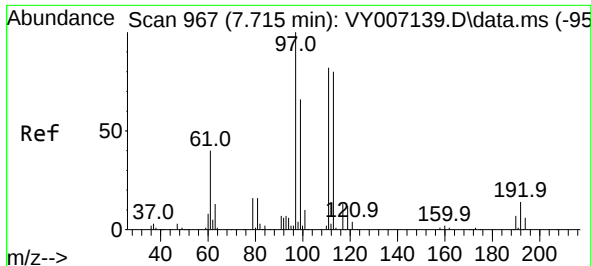
Tgt Ion: 65 Resp: 53655
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY007307.D
 Acq: 26 Jan 2022 15:30

Tgt Ion: 114 Resp: 158549
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 39.2
 88 16.3 0.0 31.0

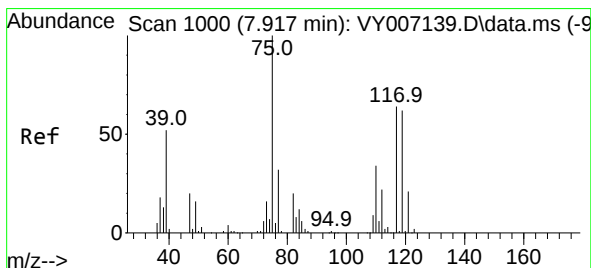
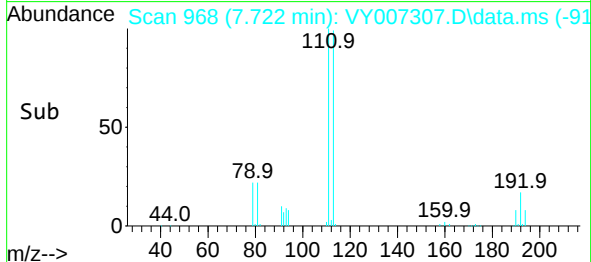
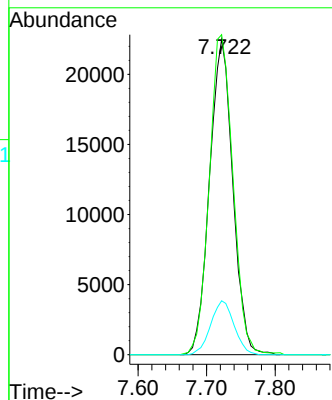
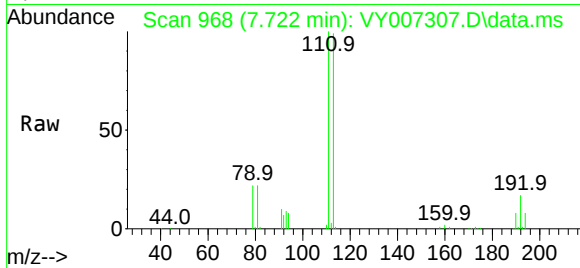




#35
Dibromofluoromethane
Concen: 49.409 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.007 min
Lab File: VY007307.D
Acq: 26 Jan 2022 15:30

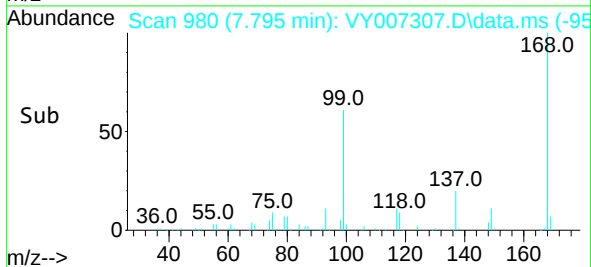
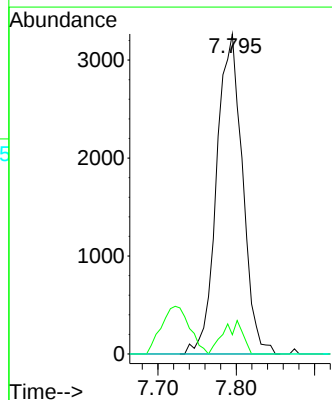
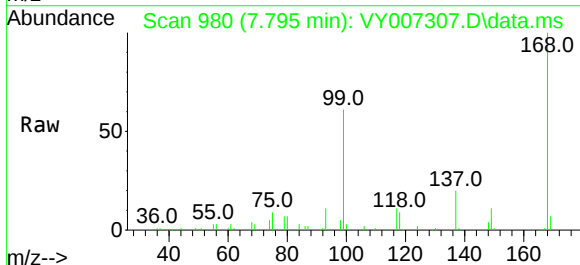
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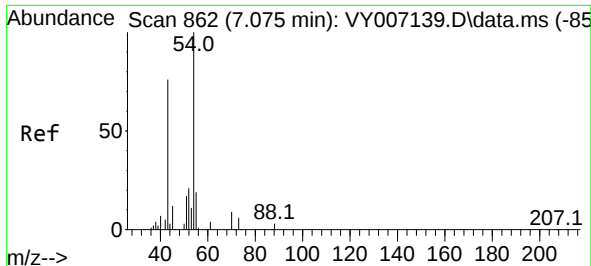
Tgt Ion:113 Resp: 52971
Ion Ratio Lower Upper
113 100
111 103.7 82.2 123.4
192 17.2 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.374 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.121 min
Lab File: VY007307.D
Acq: 26 Jan 2022 15:30

Tgt Ion: 75 Resp: 7489
Ion Ratio Lower Upper
75 100
110 7.9 17.3 51.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.791 ug/l

RT: 6.996 min Scan# 84

Delta R.T. -0.079 min

Lab File: VY007307.D

Acq: 26 Jan 2022 15:30

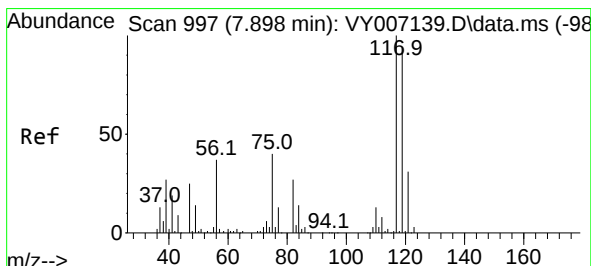
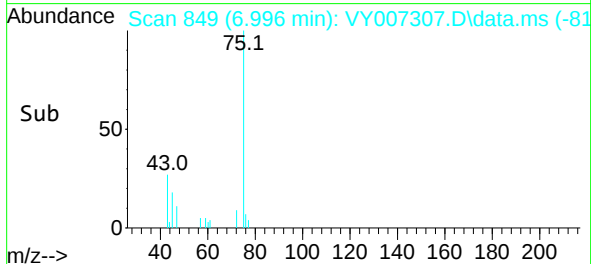
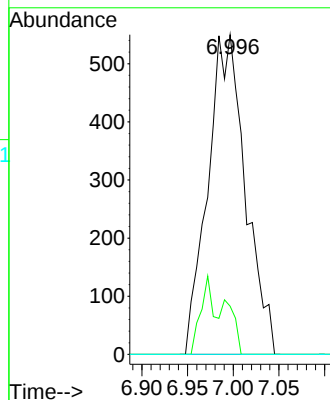
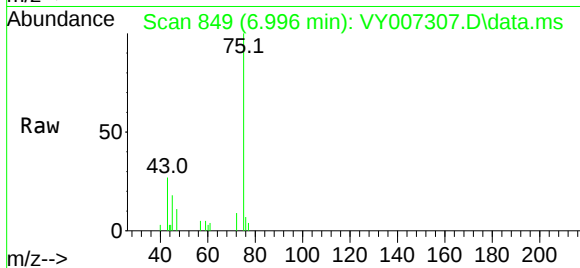
Instrument :

MSVOA_Y

ClientSampleId :

D2-E2B

Tgt Ion:	43	Resp:	1574
Ion	Ratio	Lower	Upper
43	100		
61	5.5	11.8	17.8#
70	0.0	9.0	13.4#



#38

Carbon Tetrachloride

Concen: 5.105 ug/l

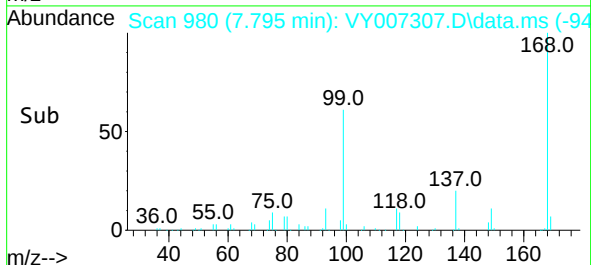
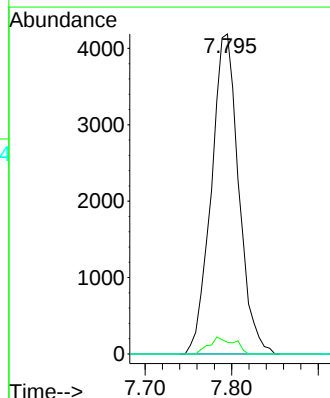
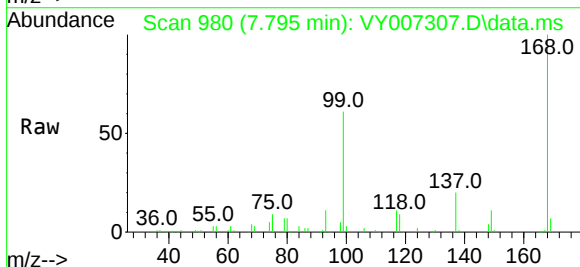
RT: 7.795 min Scan# 980

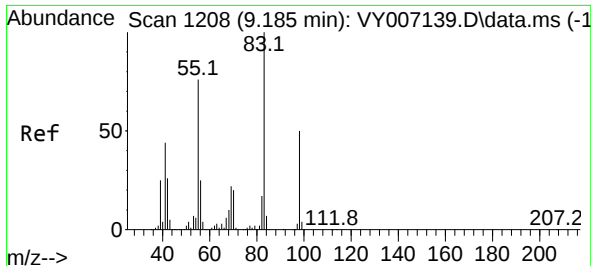
Delta R.T. -0.103 min

Lab File: VY007307.D

Acq: 26 Jan 2022 15:30

Tgt Ion:	117	Resp:	9194
Ion	Ratio	Lower	Upper
117	100		
119	3.7	77.2	115.8#
121	0.0	24.2	36.2#





#39

Methylcyclohexane

Concen: 1.679 ug/l

RT: 9.185 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY007307.D

Acq: 26 Jan 2022 15:30

Instrument :

MSVOA_Y

ClientSampleId :

D2-E2B

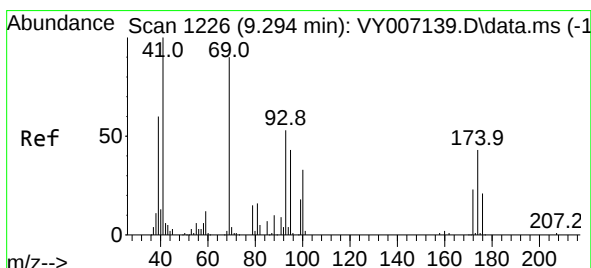
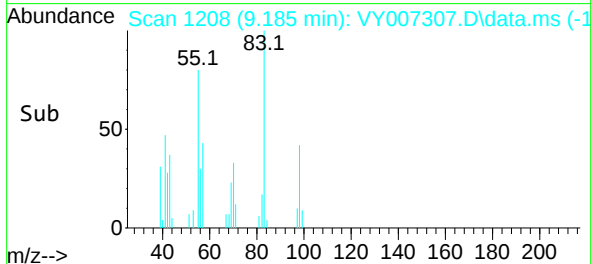
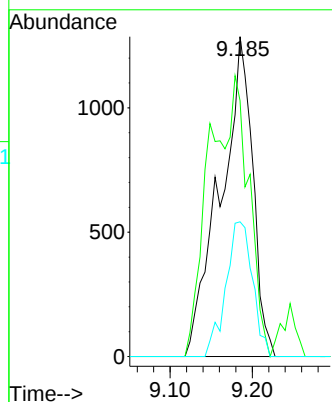
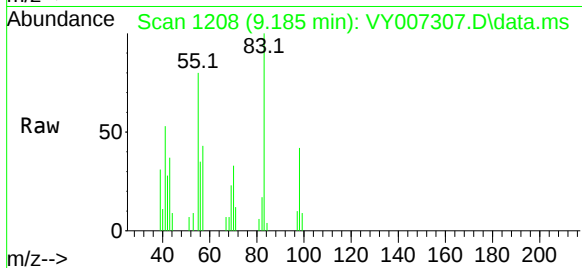
Tgt Ion: 83 Resp: 3511

Ion Ratio Lower Upper

83 100

55 80.0 58.8 88.2

98 42.1 38.7 58.1



#48

Methyl methacrylate

Concen: 1.011 ug/l

RT: 9.240 min Scan# 1217

Delta R.T. -0.054 min

Lab File: VY007307.D

Acq: 26 Jan 2022 15:30

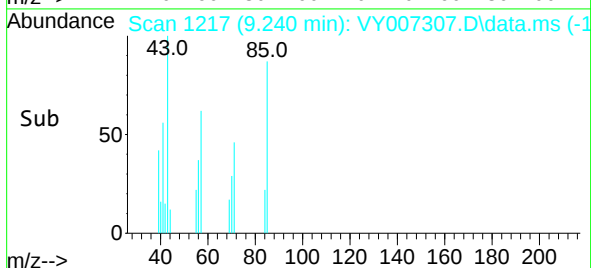
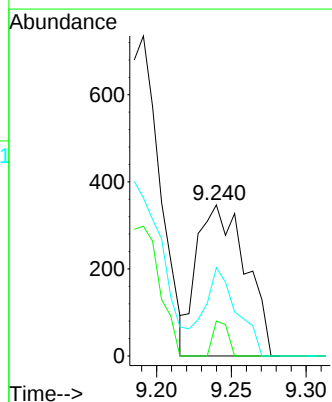
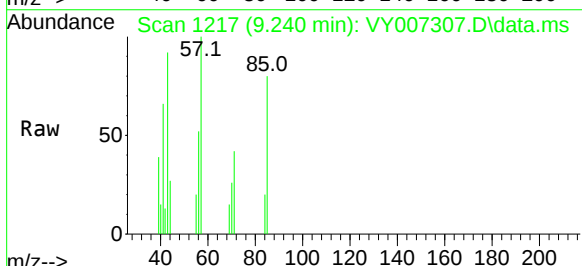
Tgt Ion: 41 Resp: 786

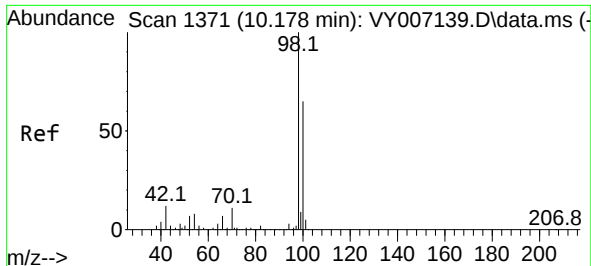
Ion Ratio Lower Upper

41 100

69 7.1 70.5 105.7#

39 38.8 43.8 65.8#

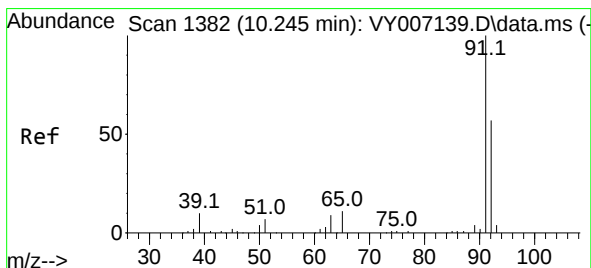
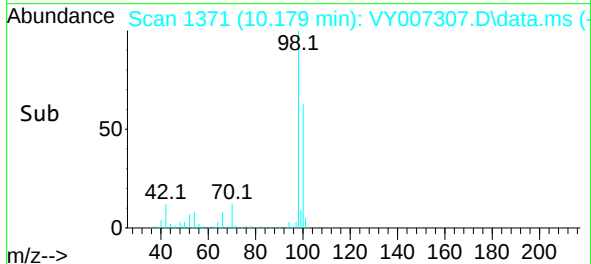
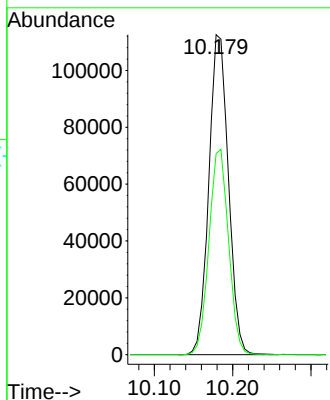
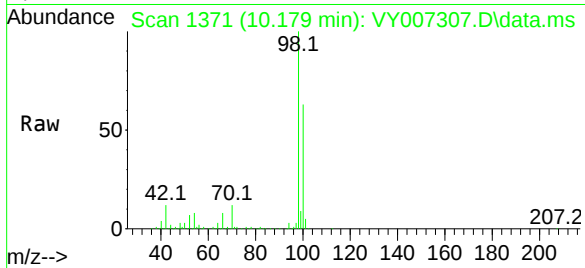




#50
Toluene-d8
Concen: 49.876 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY007307.D
Acq: 26 Jan 2022 15:30

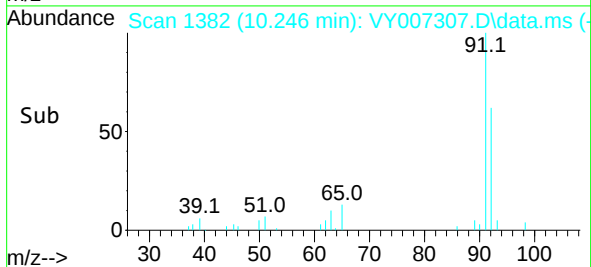
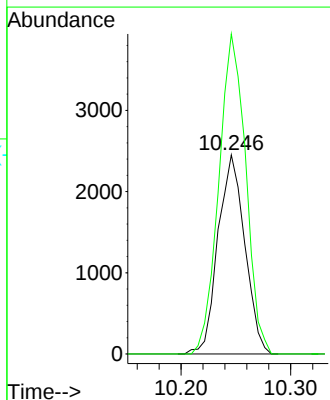
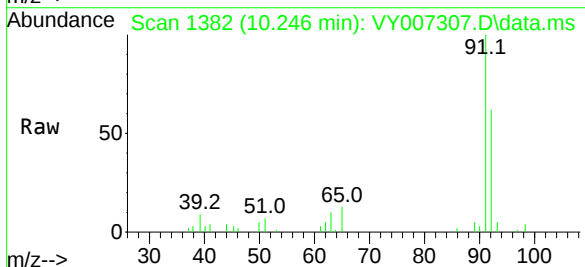
Instrument :
MSVOA_Y
ClientSampleId :
D2-E2B

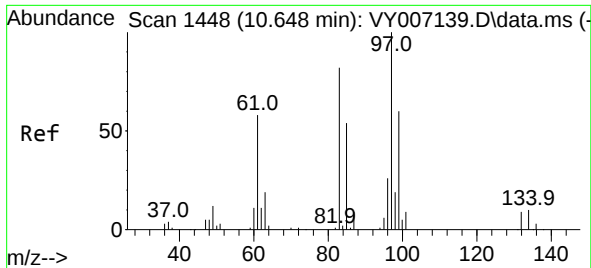
Tgt Ion: 98 Resp: 195382
Ion Ratio Lower Upper
98 100
100 64.1 52.2 78.2



#52
Toluene
Concen: 1.438 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VY007307.D
Acq: 26 Jan 2022 15:30

Tgt Ion: 92 Resp: 4162
Ion Ratio Lower Upper
92 100
91 161.5 138.6 207.8

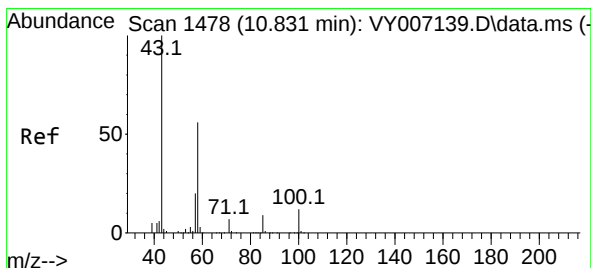
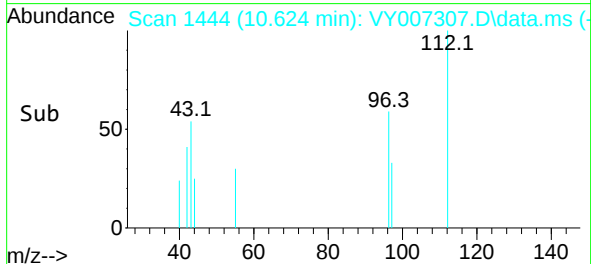
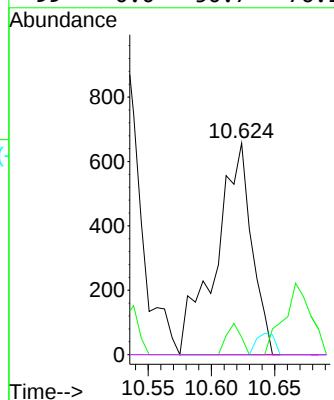
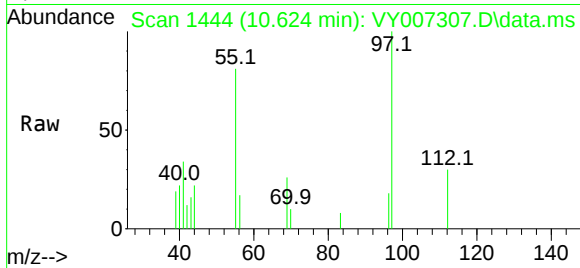




#55
1,1,2-Trichloroethane
Concen: 1.389 ug/l
RT: 10.624 min Scan# 1444
Delta R.T. -0.024 min
Lab File: VY007307.D
Acq: 26 Jan 2022 15:30

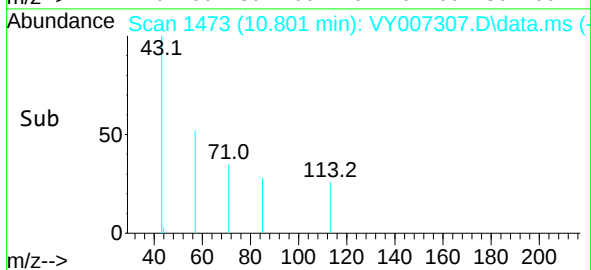
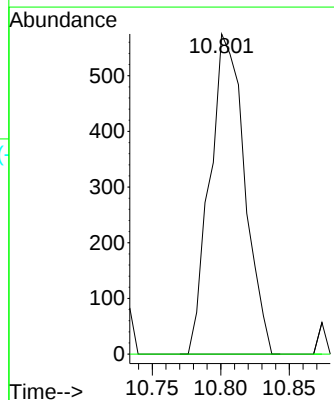
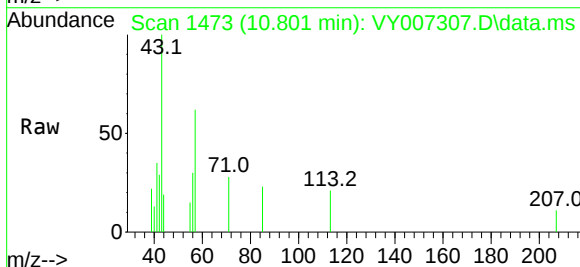
Instrument :
MSVOA_Y
ClientSampleId :
D2-E2B

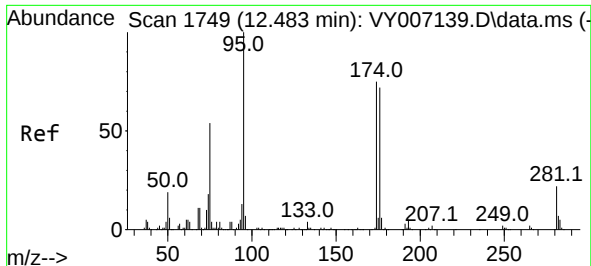
Tgt Ion: 97	Resp:	1294	
Ion	Ratio	Lower	Upper
97	100		
83	8.2	67.0	100.4#
85	0.0	41.2	61.8#
99	0.0	50.7	76.1#



#59
2-Hexanone
Concen: 1.720 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.030 min
Lab File: VY007307.D
Acq: 26 Jan 2022 15:30

Tgt Ion: 43	Resp:	1012	
Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.4	85.3#

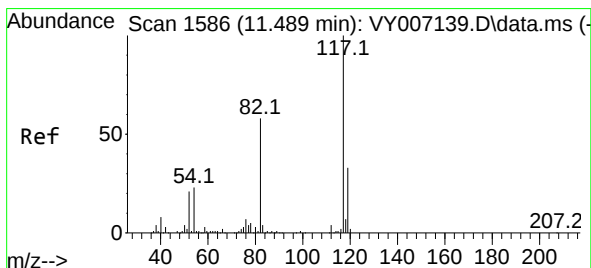
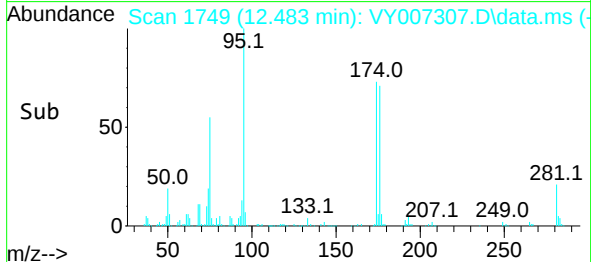
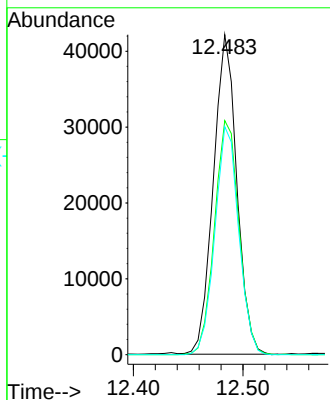
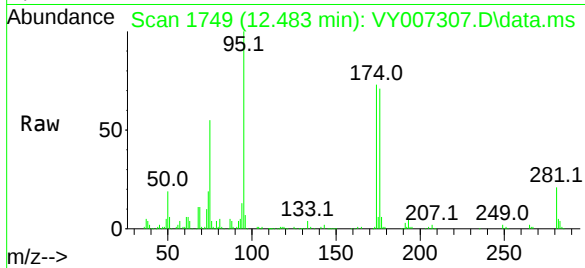




#62
4-Bromofluorobenzene
Concen: 44.967 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY007307.D
Acq: 26 Jan 2022 15:30

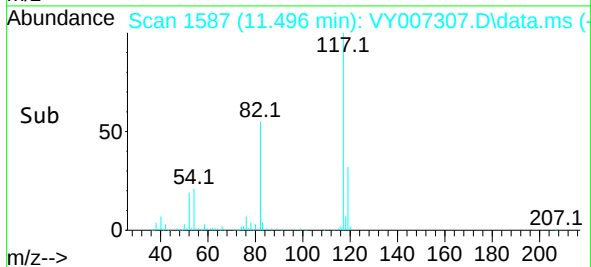
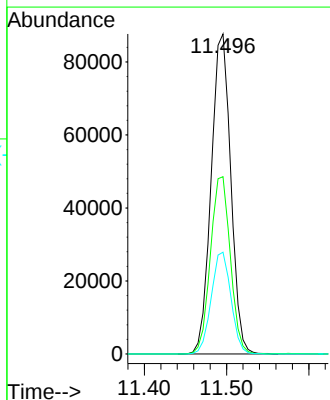
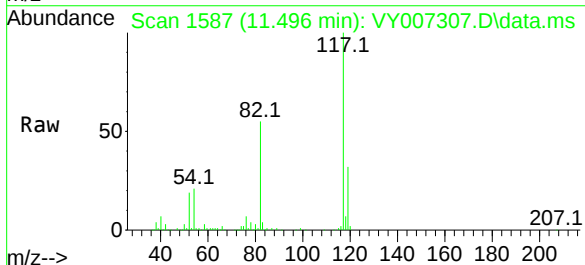
Instrument :
MSVOA_Y
ClientSampleId :
D2-E2B

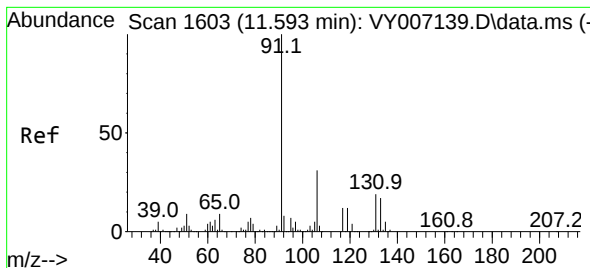
Tgt Ion: 95 Resp: 62659
Ion Ratio Lower Upper
95 100
174 76.5 0.0 148.4
176 72.3 0.0 146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.007 min
Lab File: VY007307.D
Acq: 26 Jan 2022 15:30

Tgt Ion: 117 Resp: 145152
Ion Ratio Lower Upper
117 100
82 55.4 45.4 68.0
119 31.8 26.4 39.6





#67

Ethyl Benzene

Concen: 1.510 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY007307.D

Acq: 26 Jan 2022 15:30

Instrument :

MSVOA_Y

ClientSampleId :

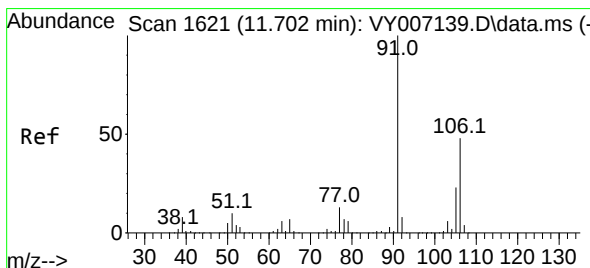
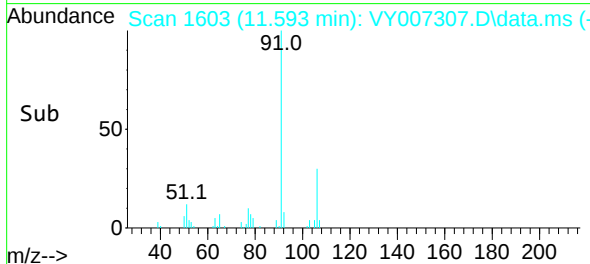
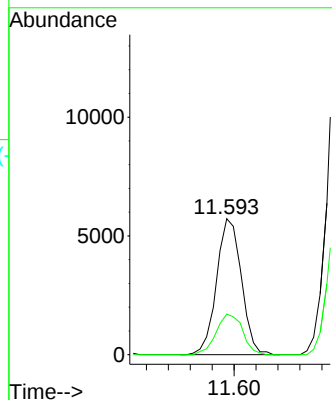
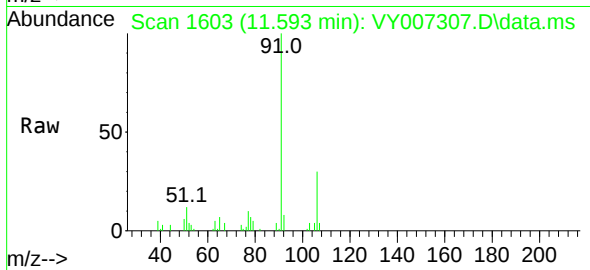
D2-E2B

Tgt Ion: 91 Resp: 9005

Ion Ratio Lower Upper

91 100

106 29.8 23.9 35.9



#68

m/p-Xylenes

Concen: 6.964 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. 0.000 min

Lab File: VY007307.D

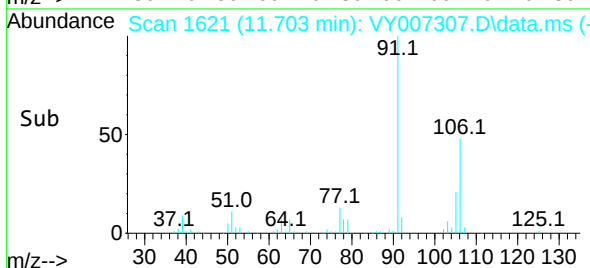
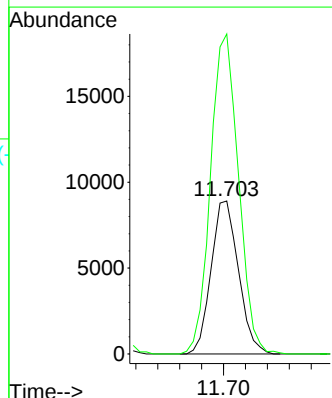
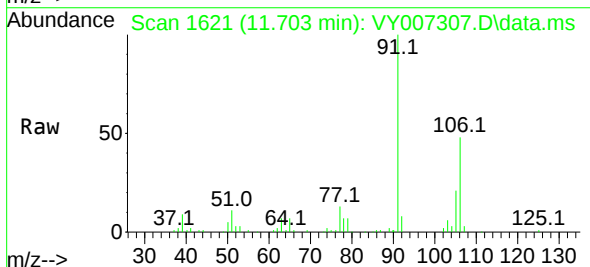
Acq: 26 Jan 2022 15:30

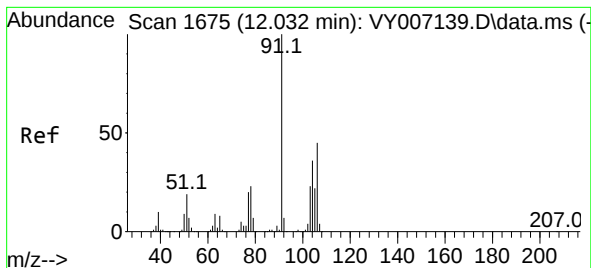
Tgt Ion: 106 Resp: 15437

Ion Ratio Lower Upper

106 100

91 213.8 167.1 250.7





#69

o-Xylene

Concen: 3.844 ug/l

RT: 12.032 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY007307.D

Acq: 26 Jan 2022 15:30

Instrument :

MSVOA_Y

ClientSampleId :

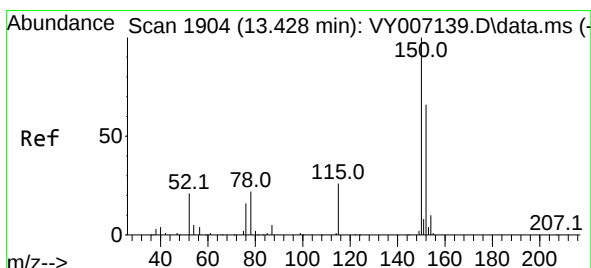
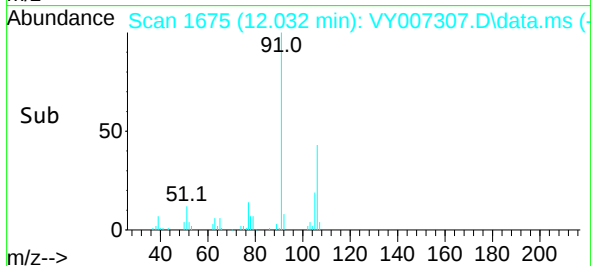
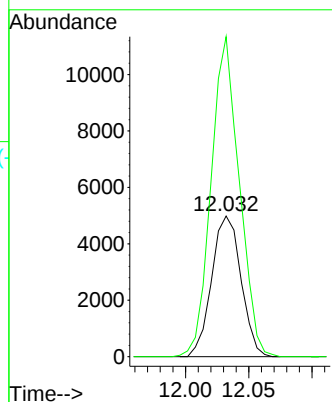
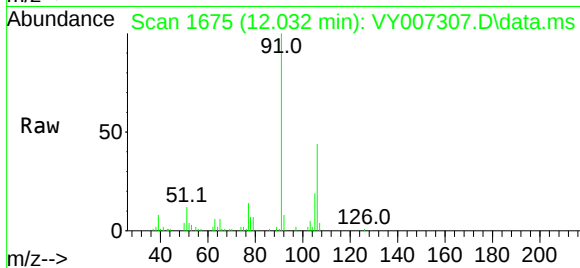
D2-E2B

Tgt Ion:106 Resp: 8024

Ion Ratio Lower Upper

106 100

91 219.0 109.9 329.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY007307.D

Acq: 26 Jan 2022 15:30

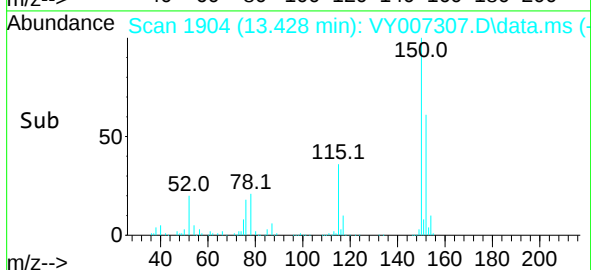
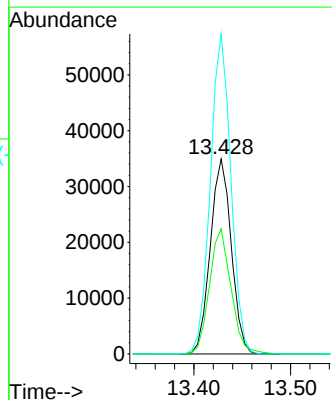
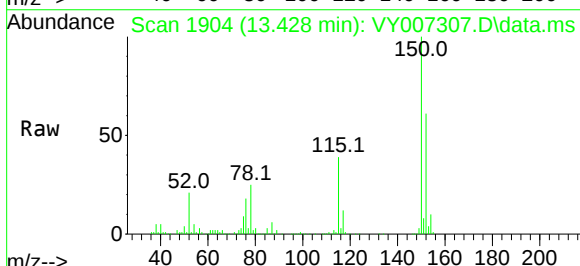
Tgt Ion:152 Resp: 52750

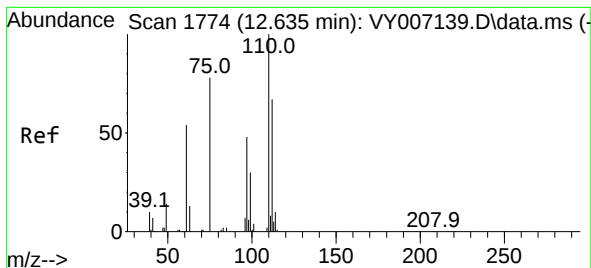
Ion Ratio Lower Upper

152 100

115 65.7 31.4 94.0

150 160.3 0.0 348.4





#76

1,2,3-Trichloropropane

Concen: 58.196 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY007307.D

Acq: 26 Jan 2022 15:30

Instrument :

MSVOA_Y

ClientSampleId :

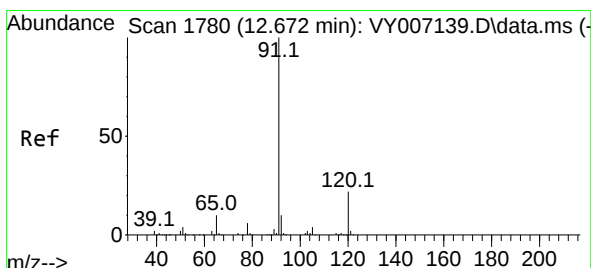
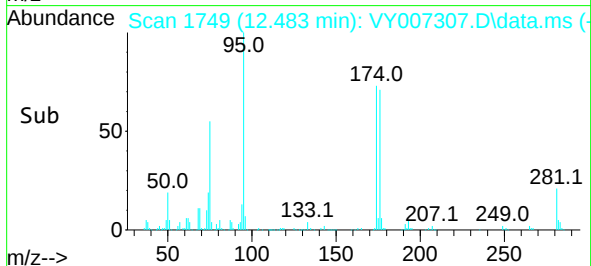
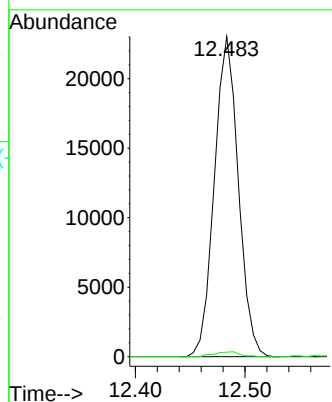
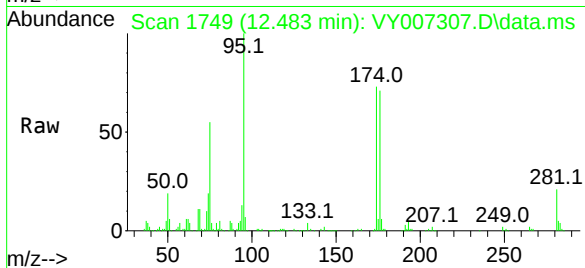
D2-E2B

Tgt Ion: 75 Resp: 35004

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#78

n-propylbenzene

Concen: 2.266 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.000 min

Lab File: VY007307.D

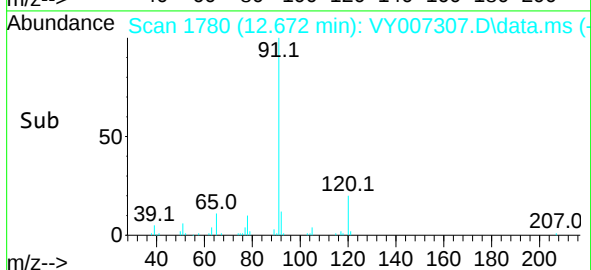
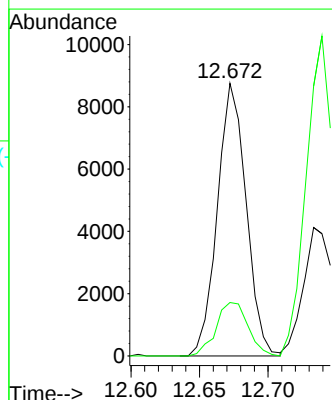
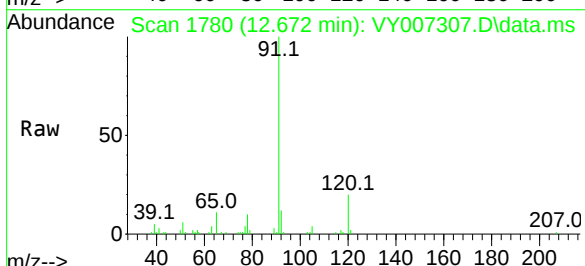
Acq: 26 Jan 2022 15:30

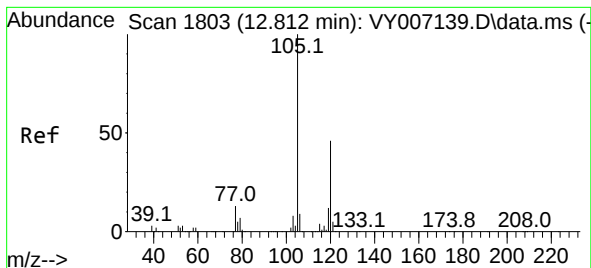
Tgt Ion: 91 Resp: 12798

Ion Ratio Lower Upper

91 100

120 21.8 11.2 33.5





#80

1,3,5-Trimethylbenzene

Concen: 6.842 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. 0.000 min

Lab File: VY007307.D

Acq: 26 Jan 2022 15:30

Instrument :

MSVOA_Y

ClientSampleId :

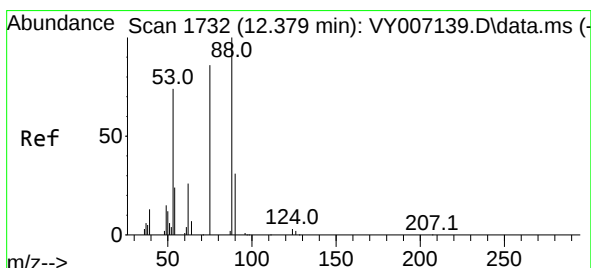
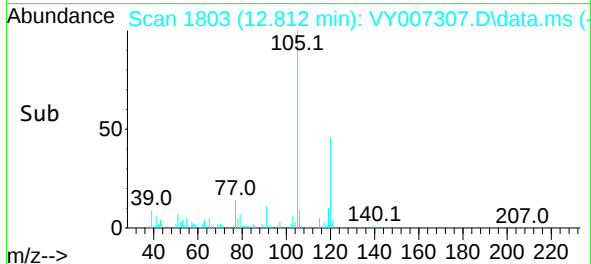
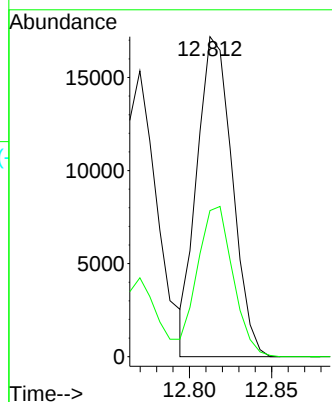
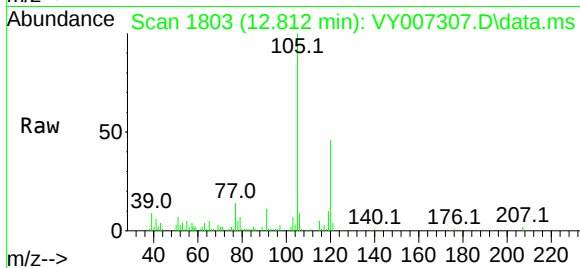
D2-E2B

Tgt Ion:105 Resp: 25594

Ion Ratio Lower Upper

105 100

120 47.2 23.7 71.1



#81

trans-1,4-Dichloro-2-butene

Concen: 106.540 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.104 min

Lab File: VY007307.D

Acq: 26 Jan 2022 15:30

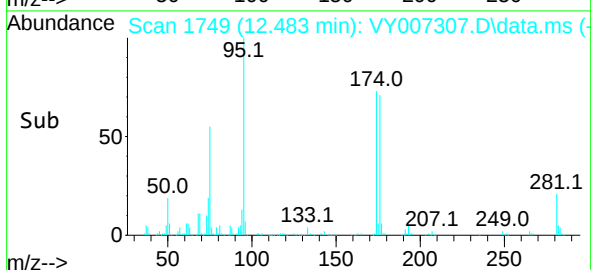
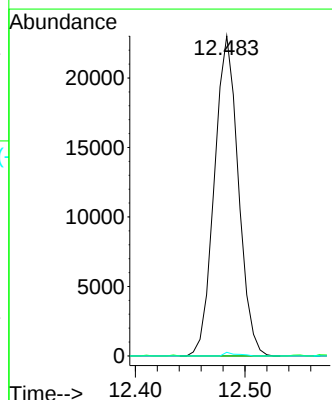
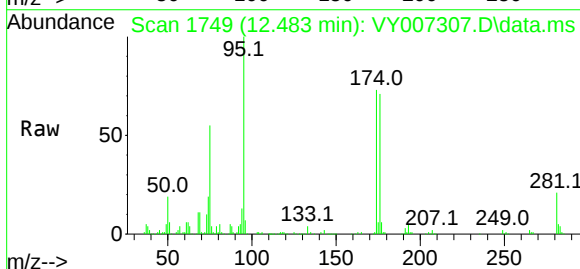
Tgt Ion: 75 Resp: 35004

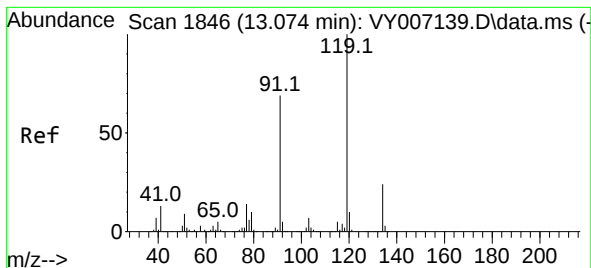
Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

89 0.6 0.0 0.0#





#83

tert-Butylbenzene

Concen: 2.570 ug/l

RT: 13.129 min Scan# 1855

Delta R.T. 0.055 min

Lab File: VY007307.D

Acq: 26 Jan 2022 15:30

Instrument :

MSVOA_Y

ClientSampleId :

D2-E2B

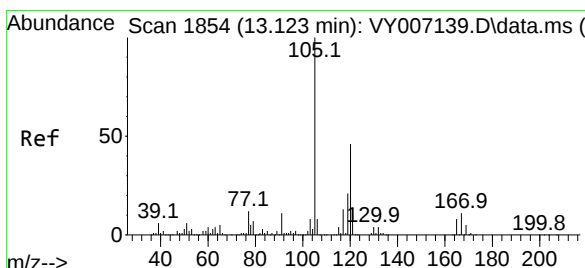
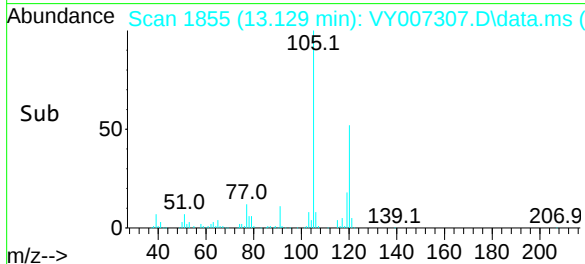
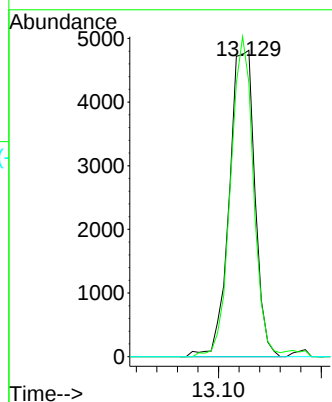
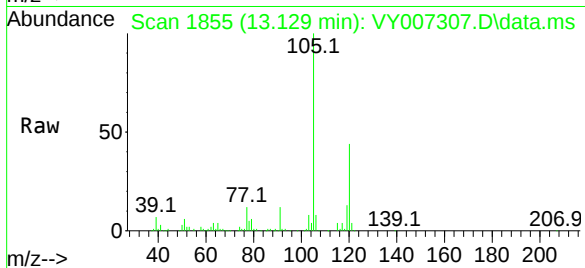
Tgt Ion:119 Resp: 8308

Ion Ratio Lower Upper

119 100

91 93.4 33.1 99.5

134 0.0 12.9 38.7#



#84

1,2,4-Trimethylbenzene

Concen: 18.672 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.000 min

Lab File: VY007307.D

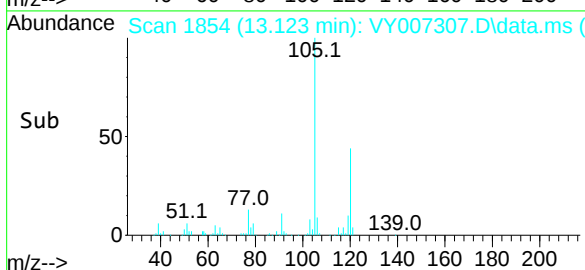
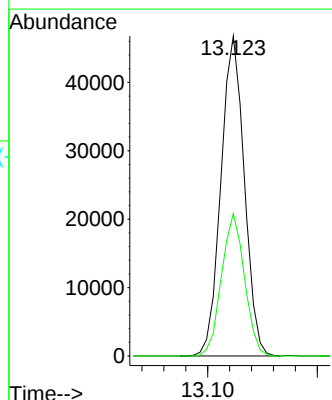
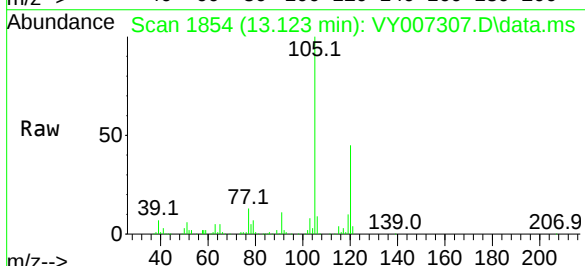
Acq: 26 Jan 2022 15:30

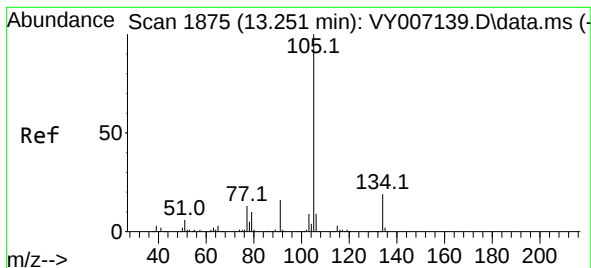
Tgt Ion:105 Resp: 69235

Ion Ratio Lower Upper

105 100

120 43.7 21.6 64.6





#85

sec-Butylbenzene

Concen: 14.317 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. -0.128 min

Lab File: VY007307.D

Acq: 26 Jan 2022 15:30

Instrument :

MSVOA_Y

ClientSampleId :

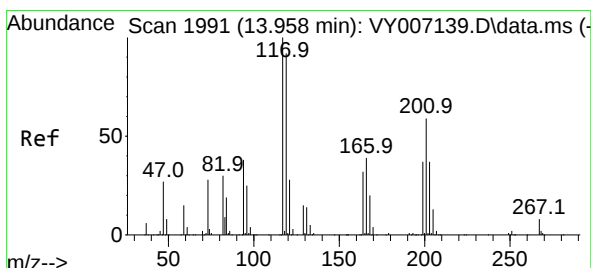
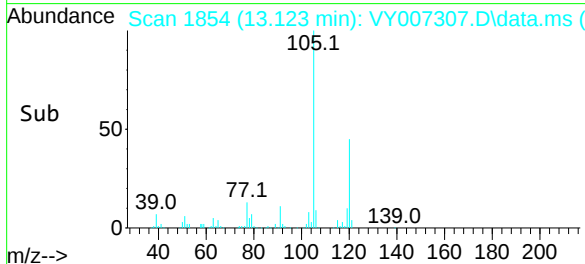
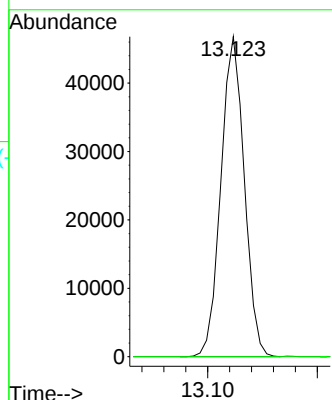
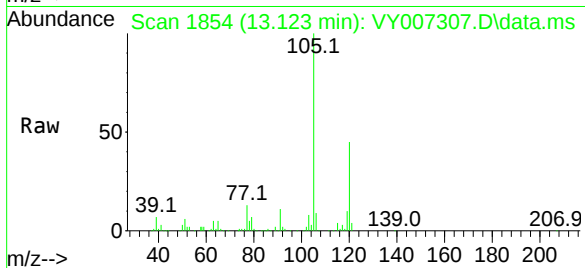
D2-E2B

Tgt Ion:105 Resp: 69235

Ion Ratio Lower Upper

105 100

134 0.0 9.9 29.7#



#90

Hexachloroethane

Concen: 1.021 ug/l

RT: 13.977 min Scan# 1994

Delta R.T. 0.019 min

Lab File: VY007307.D

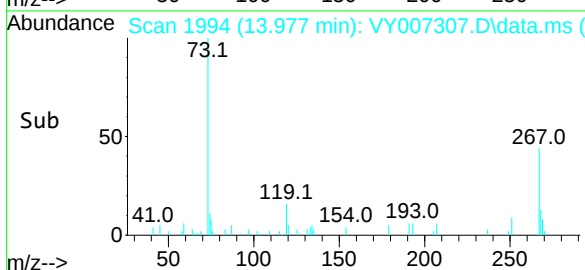
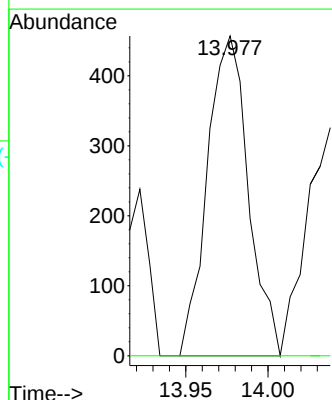
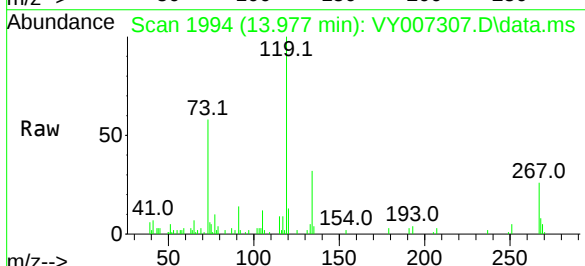
Acq: 26 Jan 2022 15:30

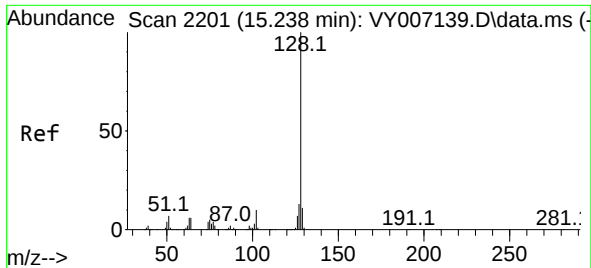
Tgt Ion:117 Resp: 793

Ion Ratio Lower Upper

117 100

201 0.0 33.6 100.6#





#95

Naphthalene

Concen: 1.768 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.000 min

Lab File: VY007307.D

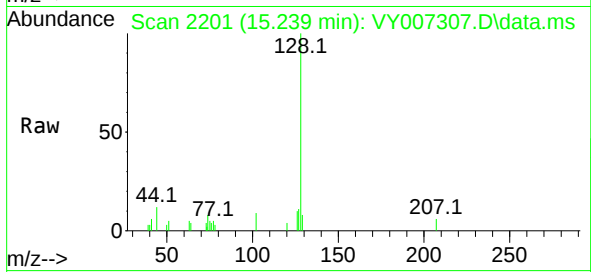
Acq: 26 Jan 2022 15:30

Instrument :

MSVOA_Y

ClientSampleId :

D2-E2B



Tgt Ion:128 Resp: 3942

Ion Ratio Lower Upper

128 100

127 11.3 10.3 15.5

129 10.7 8.9 13.3

