

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041322\
 Data File : VY008307.D
 Acq On : 13 Apr 2022 13:06
 Operator : KP/MD
 Sample : N2380-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-02-041222

Quant Time: Apr 14 05:55:53 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)

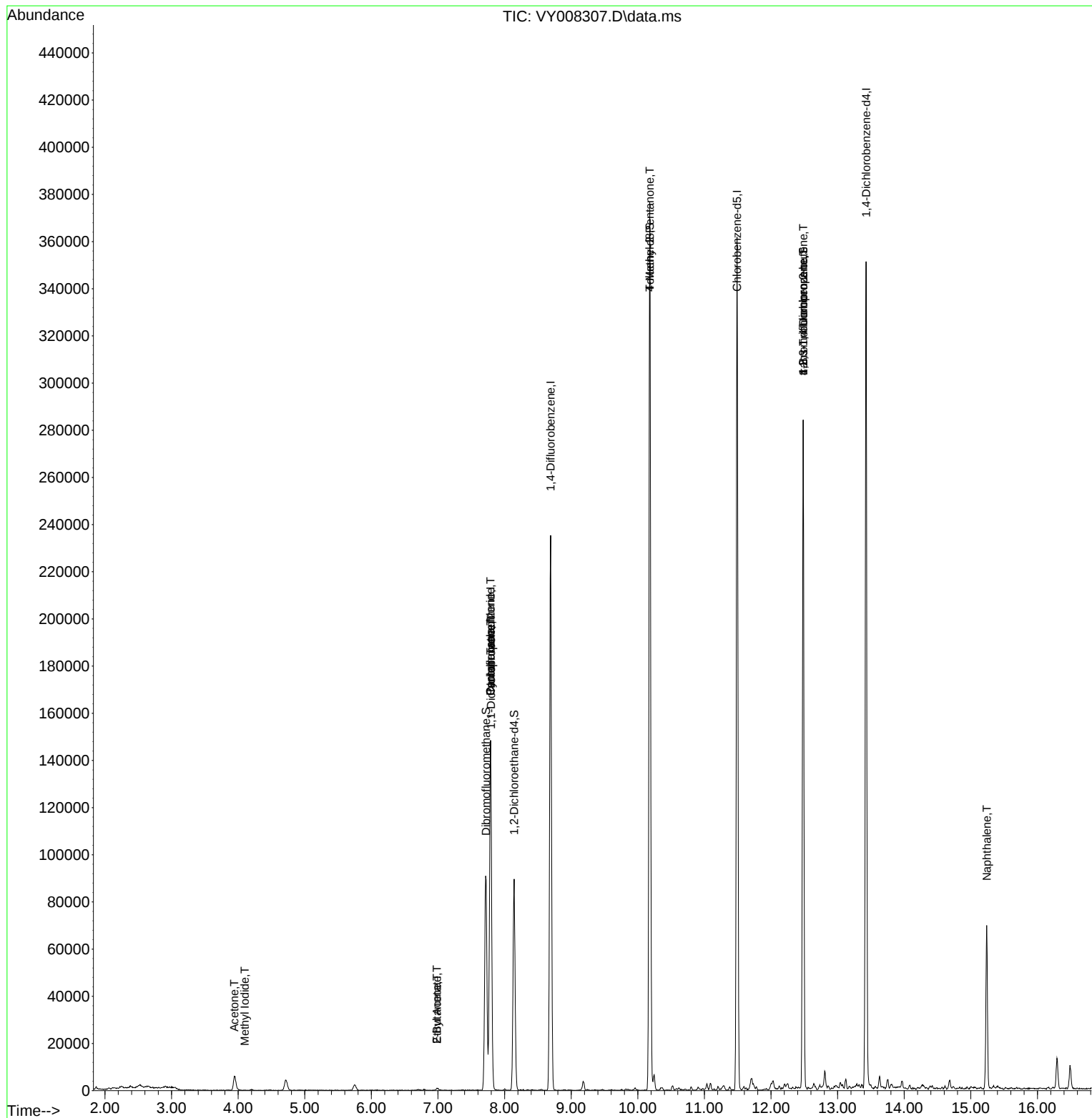
Internal Standards						
1) Pentafluorobenzene	7.789	168	114860	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	205865	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	198309	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	87300	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	64925	60.177	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.360%	
35) Dibromofluoromethane	7.722	113	65419	55.018	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.040%	
50) Toluene-d8	10.179	98	250237	61.504	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 123.000%	
62) 4-Bromofluorobenzene	12.483	95	85372	55.787	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 111.580%	
Target Compounds						
						Qvalue
3) Chloromethane	2.113	50	217	Below Cal	#	44
5) Bromomethane	2.662	94	344	Below Cal	#	58
10) Methyl Iodide	4.101	142	139	2.485	ug/l #	35
16) Acetone	3.942	43	10444	40.246	ug/l #	82
18) Methyl Acetate	4.472	43	145	Below Cal	#	56
20) Methylene Chloride	4.716	84	3576	Below Cal	#	74
25) 2-Butanone	6.984	43	1606	3.958	ug/l #	75
31) Cyclohexane	7.789	56	2776	1.423	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	8962	4.720	ug/l #	51
37) Ethyl Acetate	6.984	43	1606	1.640	ug/l #	72
38) Carbon Tetrachloride	7.789	117	11504	5.632	ug/l #	15
51) 4-Methyl-2-Pentanone	10.179	43	1220	1.300	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	44453	46.041	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	44453	103.014	ug/l #	7
95) Naphthalene	15.239	128	55853	15.731	ug/l	98

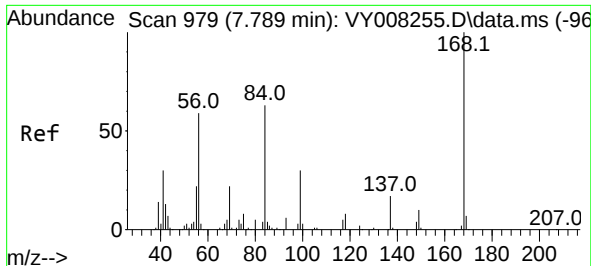
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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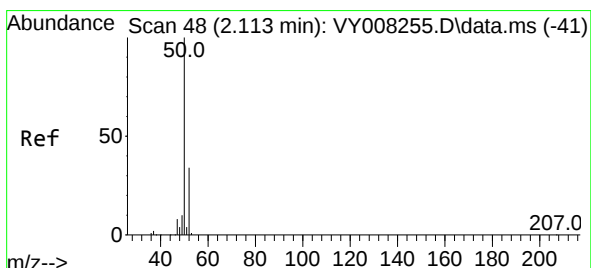
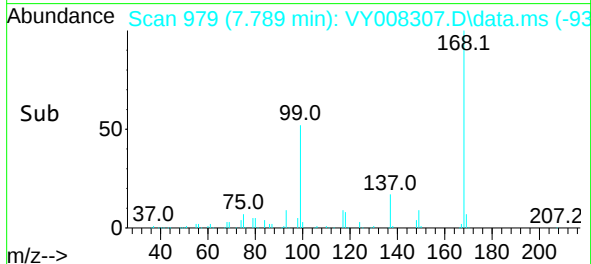
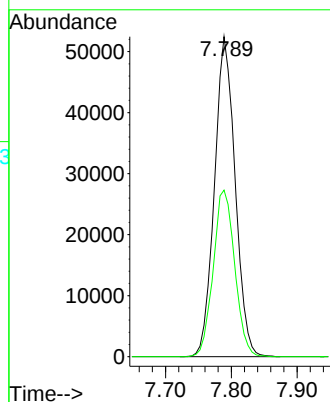
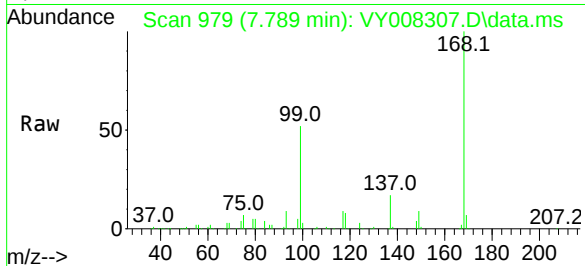




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008307.D
Acq: 13 Apr 2022 13:06

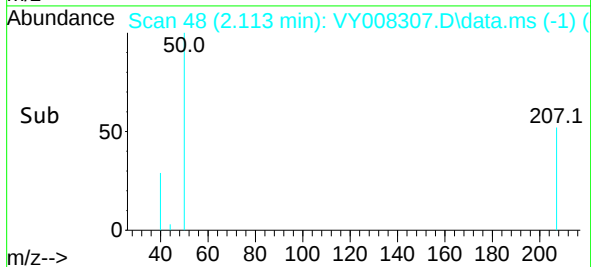
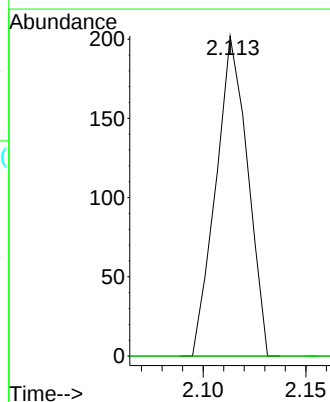
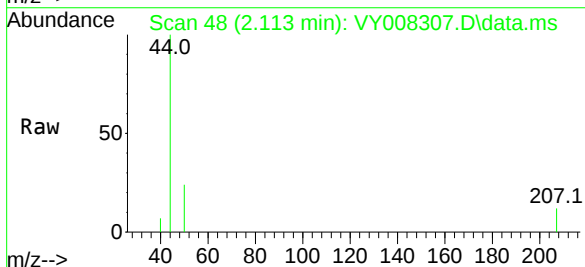
Instrument :
MSVOA_Y
ClientSampleId :
OK-02-041222

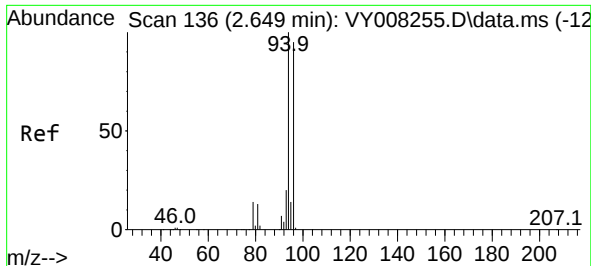
Tgt Ion:168 Resp: 114860
Ion Ratio Lower Upper
168 100
99 52.0 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY008307.D
Acq: 13 Apr 2022 13:06

Tgt Ion: 50 Resp: 217
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

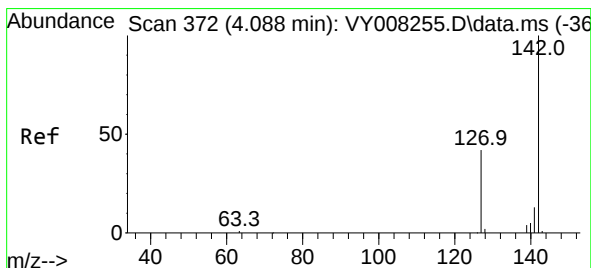
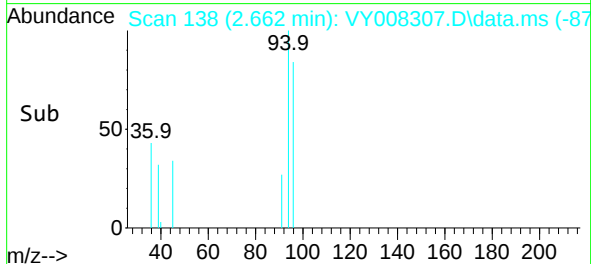
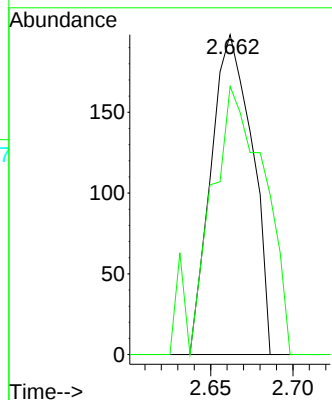
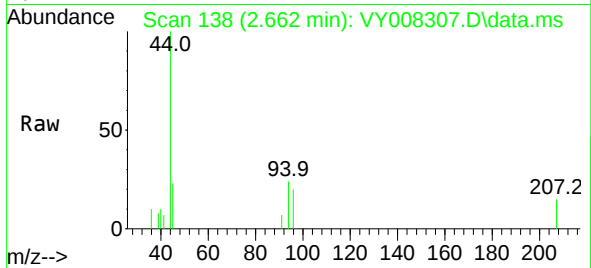




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY008307.D
Acq: 13 Apr 2022 13:06

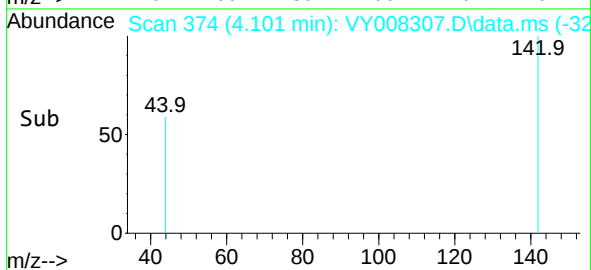
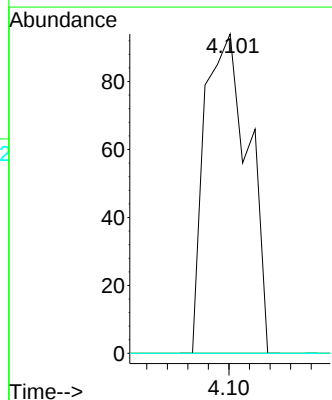
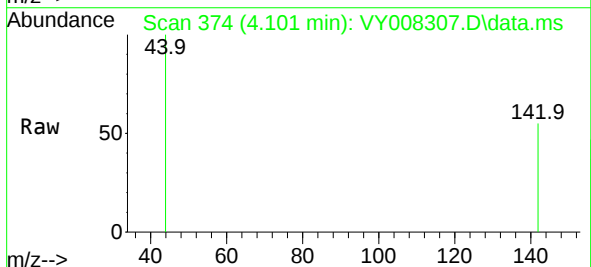
Instrument :
MSVOA_Y
ClientSampleId :
OK-02-041222

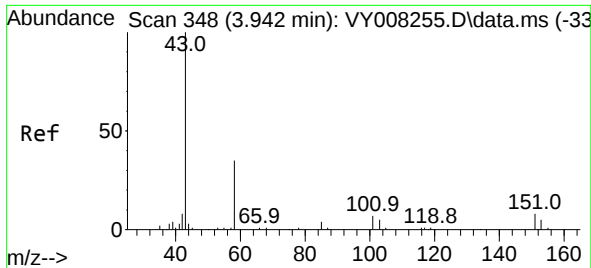
Tgt Ion: 94 Resp: 344
Ion Ratio Lower Upper
94 100
96 52.0 73.5 110.3#



#10
Methyl Iodide
Concen: 2.485 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.013 min
Lab File: VY008307.D
Acq: 13 Apr 2022 13:06

Tgt Ion: 142 Resp: 139
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#





#16

Acetone

Concen: 40.246 ug/l

RT: 3.942 min Scan# 34

Delta R.T. 0.000 min

Lab File: VY008307.D

Acq: 13 Apr 2022 13:06

Instrument :

MSVOA_Y

ClientSampleId :

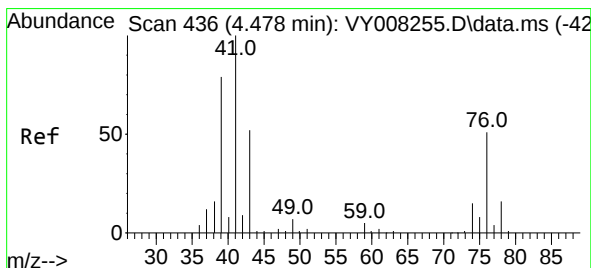
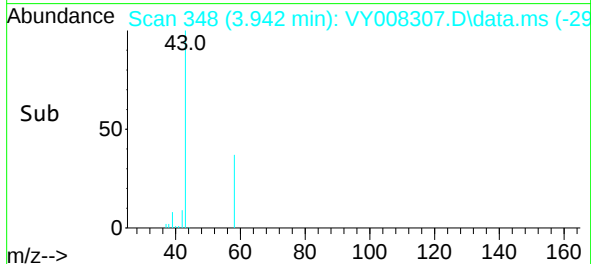
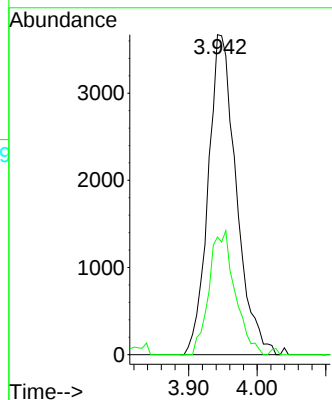
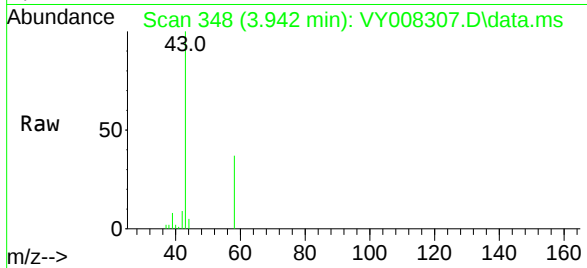
OK-02-041222

Tgt Ion: 43 Resp: 10444

Ion Ratio Lower Upper

43 100

58 36.7 22.0 33.0#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.472 min Scan# 435

Delta R.T. -0.006 min

Lab File: VY008307.D

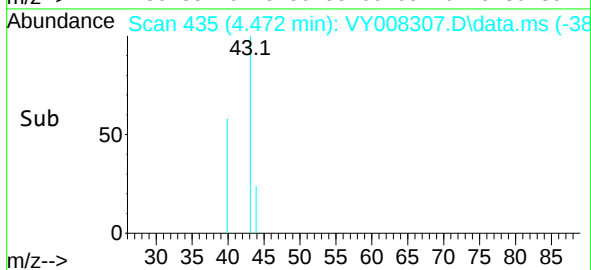
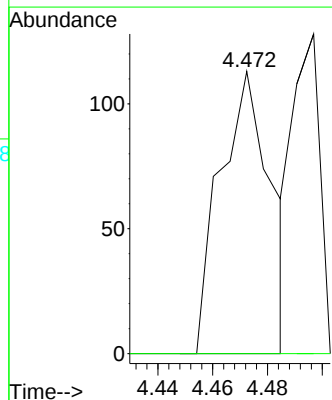
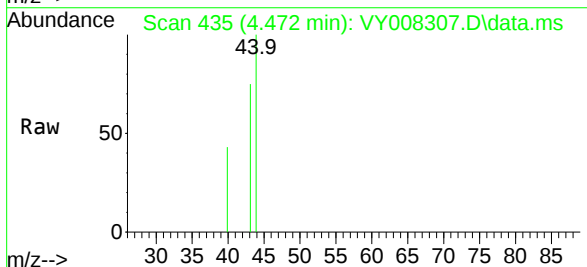
Acq: 13 Apr 2022 13:06

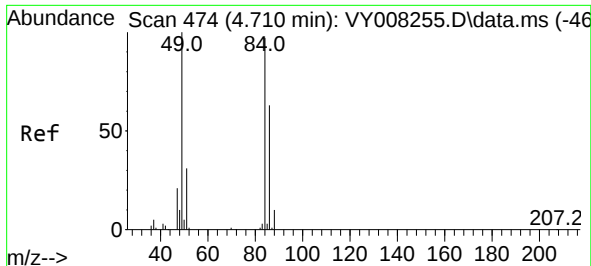
Tgt Ion: 43 Resp: 145

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#

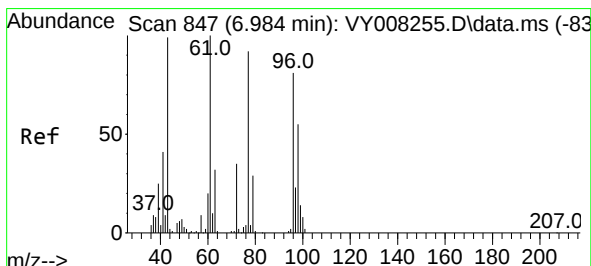
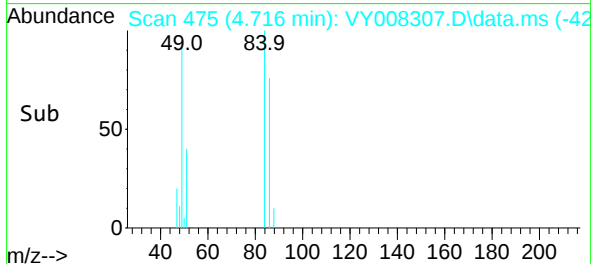
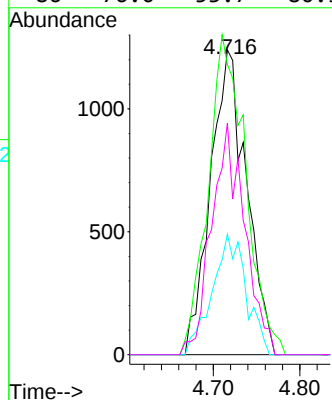
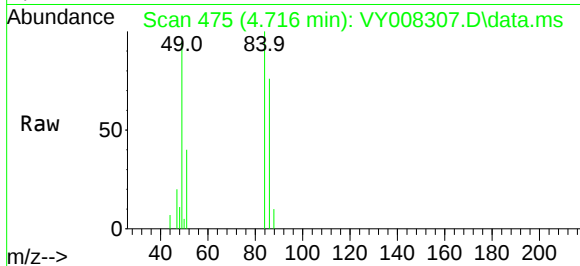




#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY008307.D
Acq: 13 Apr 2022 13:06

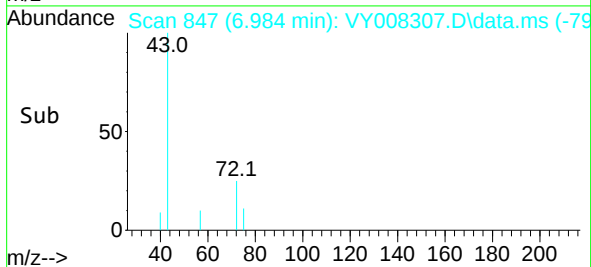
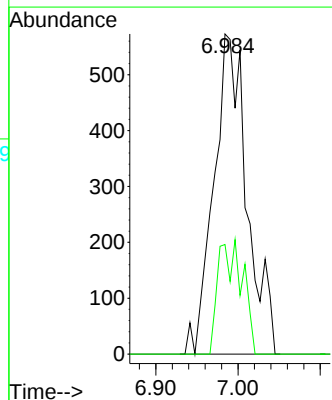
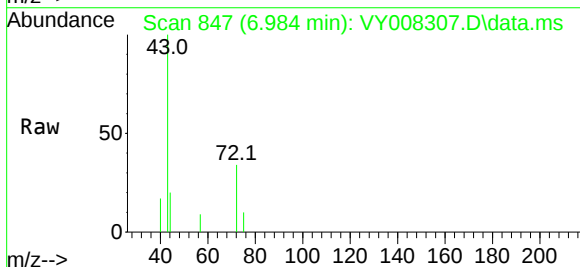
Instrument :
MSVOA_Y
ClientSampleId :
OK-02-041222

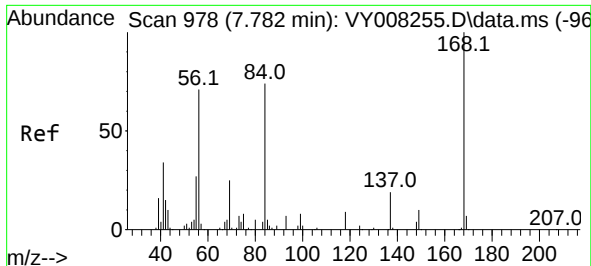
Tgt Ion: 84 Resp: 3576
Ion Ratio Lower Upper
84 100
49 95.2 114.4 171.6#
51 39.5 35.3 52.9
86 76.0 53.7 80.5



#25
2-Butanone
Concen: 3.958 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY008307.D
Acq: 13 Apr 2022 13:06

Tgt Ion: 43 Resp: 1606
Ion Ratio Lower Upper
43 100
72 34.2 17.7 26.5#

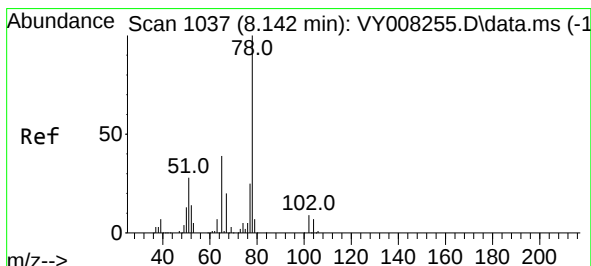
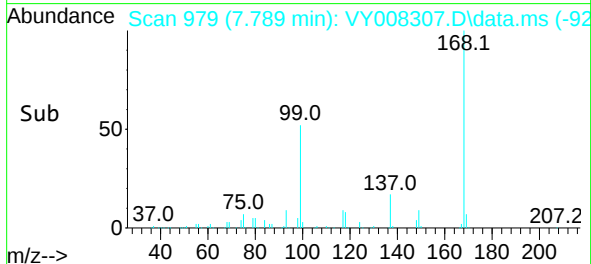
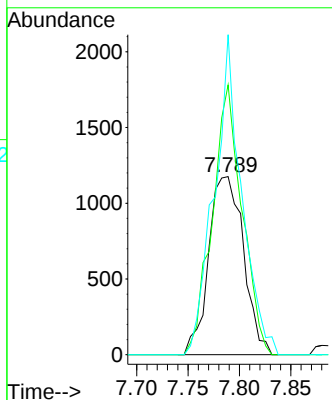
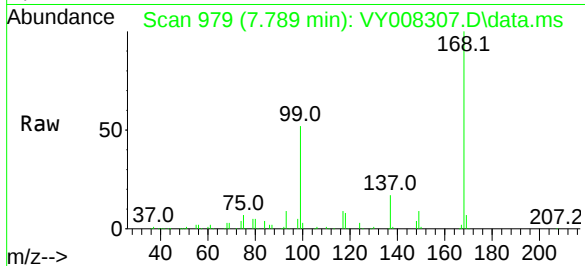




#31
Cyclohexane
Concen: 1.423 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.007 min
Lab File: VY008307.D
Acq: 13 Apr 2022 13:06

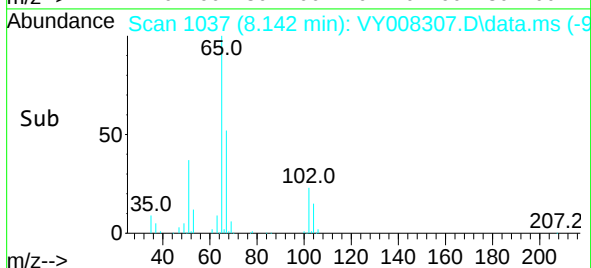
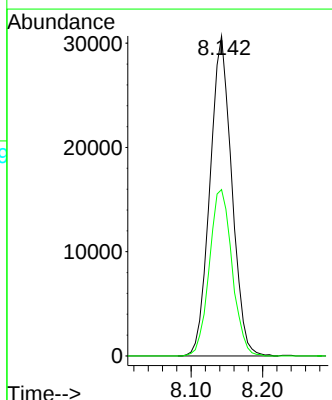
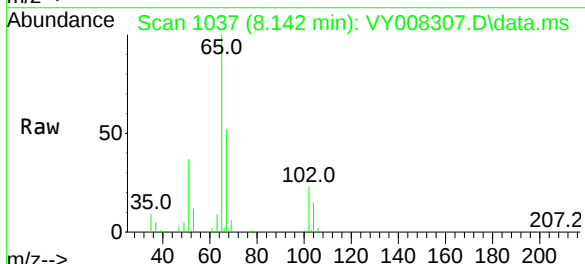
Instrument :
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ClientSampleId :
OK-02-041222

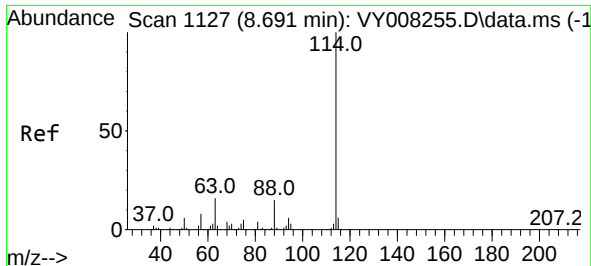
Tgt Ion: 56 Resp: 2776
Ion Ratio Lower Upper
56 100
69 151.4 26.7 40.1#
84 179.7 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 60.177 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY008307.D
Acq: 13 Apr 2022 13:06

Tgt Ion: 65 Resp: 64925
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: VY008307.D

Acq: 13 Apr 2022 13:06

Instrument :

MSVOA_Y

ClientSampleId :

OK-02-041222

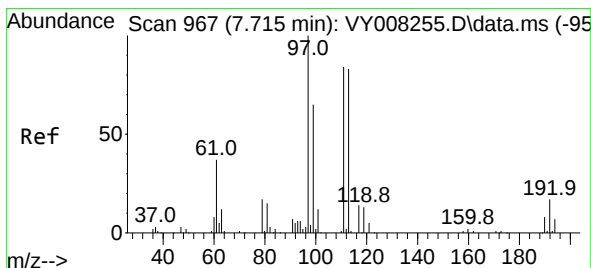
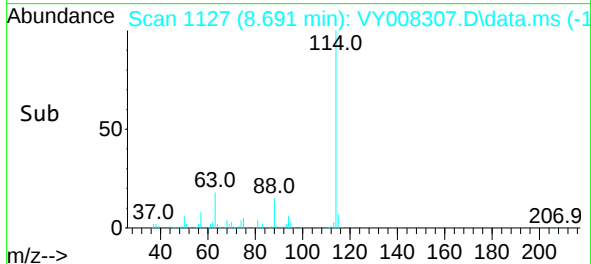
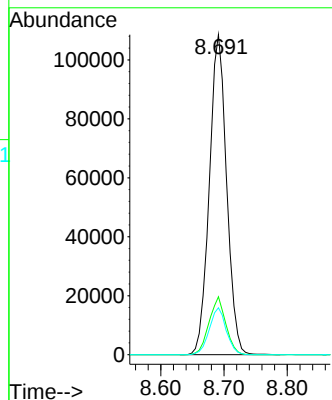
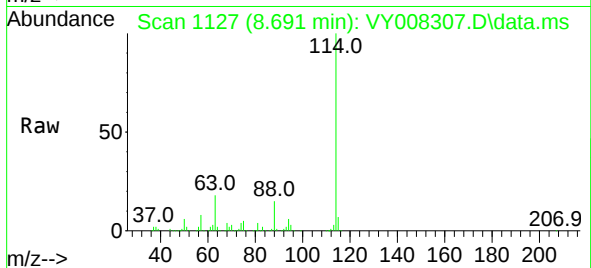
Tgt Ion:114 Resp: 205865

Ion Ratio Lower Upper

114 100

63 18.1 0.0 43.2

88 14.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 55.018 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.007 min

Lab File: VY008307.D

Acq: 13 Apr 2022 13:06

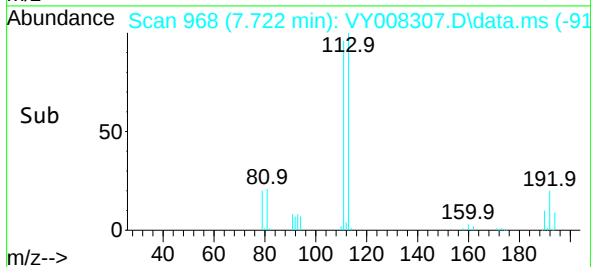
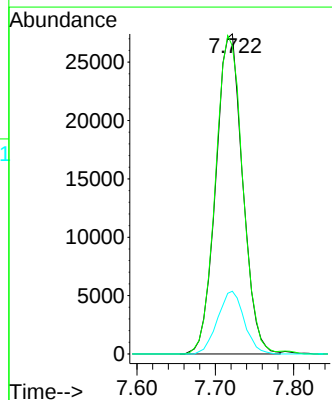
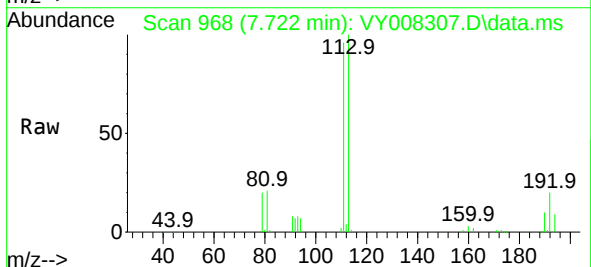
Tgt Ion:113 Resp: 65419

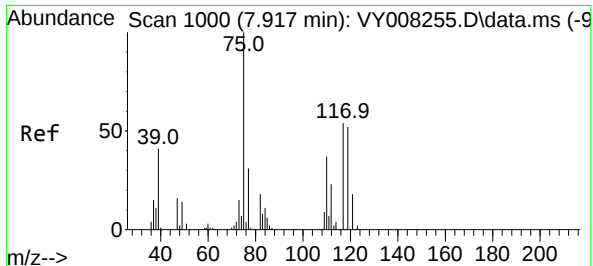
Ion Ratio Lower Upper

113 100

111 100.6 82.6 124.0

192 19.3 17.6 26.4

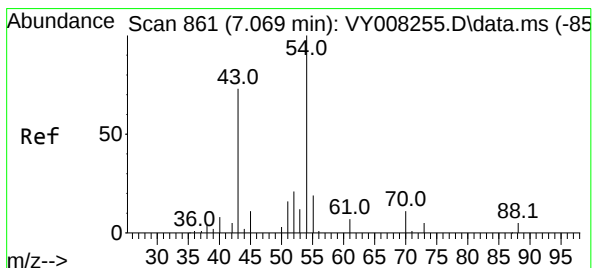
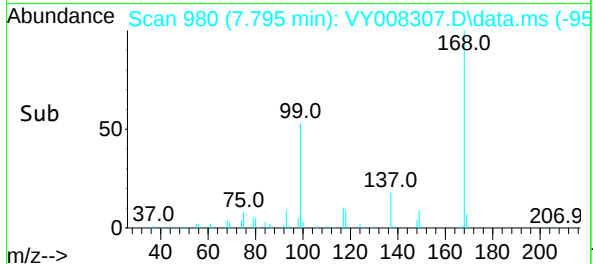
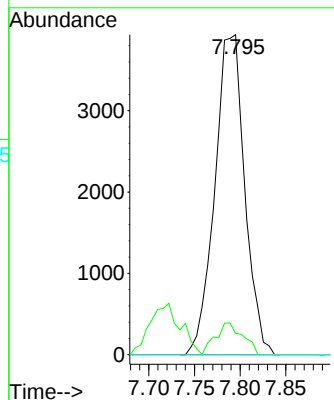
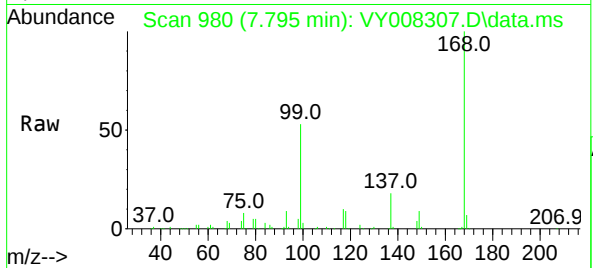




#36
1,1-Dichloropropene
Concen: 4.720 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY008307.D
Acq: 13 Apr 2022 13:06

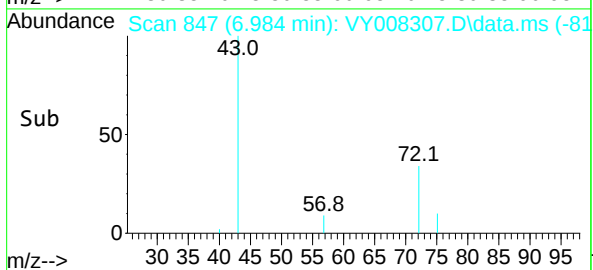
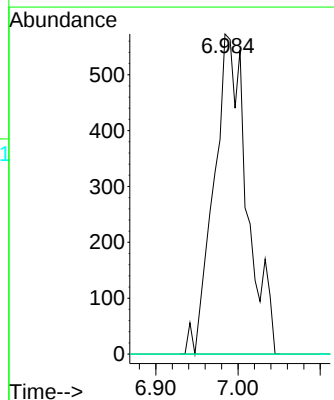
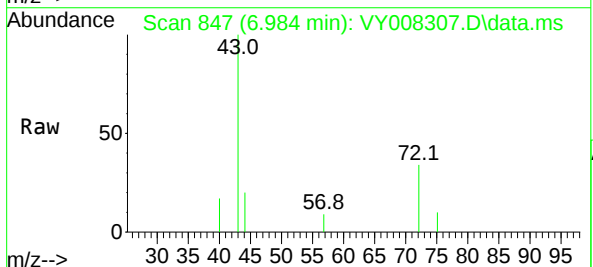
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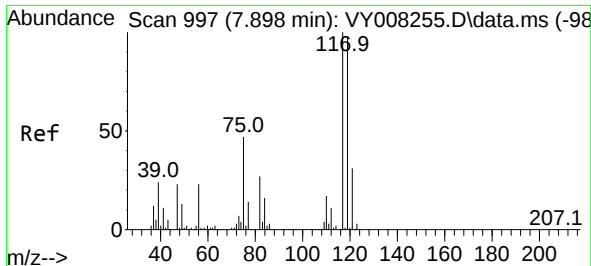
Tgt Ion: 75 Resp: 8962
Ion Ratio Lower Upper
75 100
110 9.0 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.640 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.085 min
Lab File: VY008307.D
Acq: 13 Apr 2022 13:06

Tgt Ion: 43 Resp: 1606
Ion Ratio Lower Upper
43 100
61 0.0 9.7 14.5#
70 0.0 7.1 10.7#

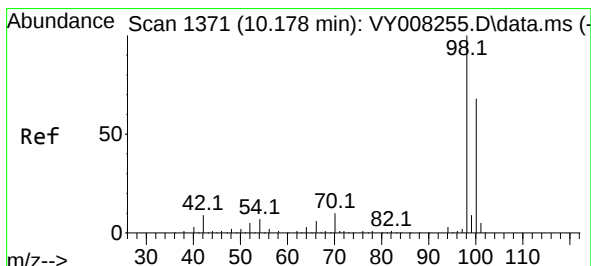
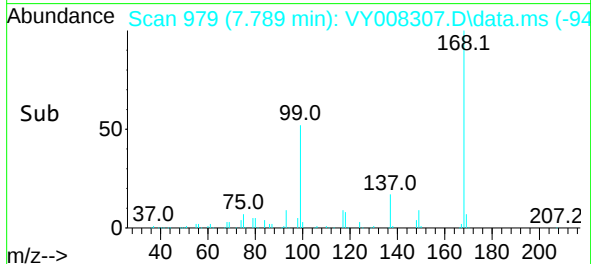
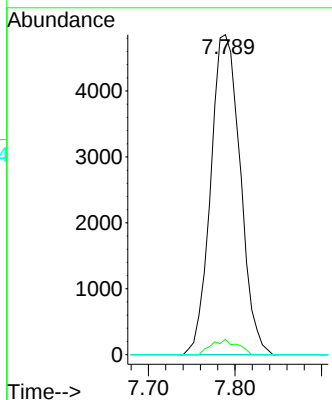
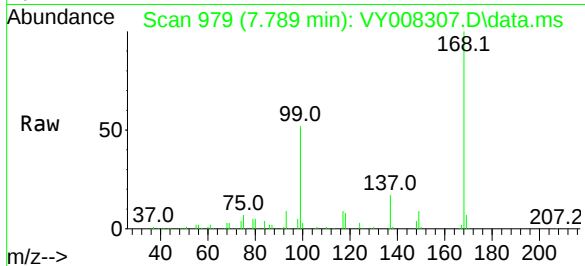




#38
Carbon Tetrachloride
Concen: 5.632 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY008307.D
Acq: 13 Apr 2022 13:06

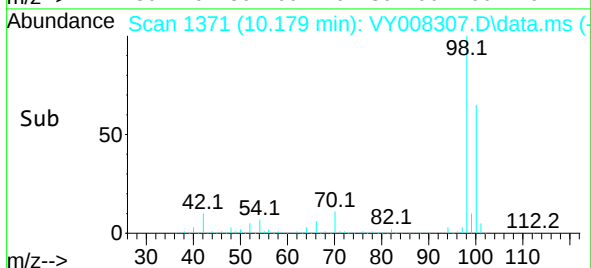
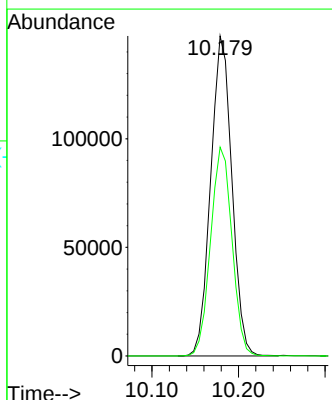
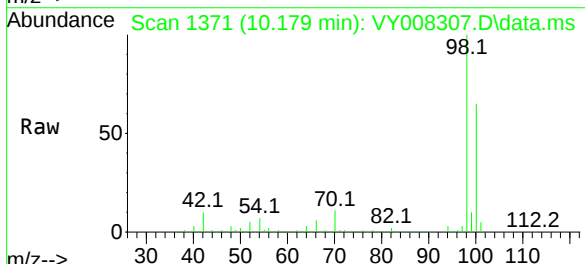
Instrument :
MSVOA_Y
ClientSampleId :
OK-02-041222

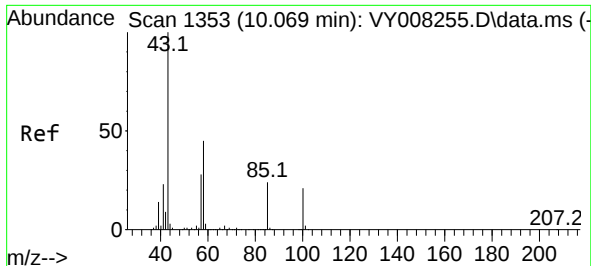
Tgt Ion:117 Resp: 11504
Ion Ratio Lower Upper
117 100
119 4.8 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 61.504 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY008307.D
Acq: 13 Apr 2022 13:06

Tgt Ion: 98 Resp: 250237
Ion Ratio Lower Upper
98 100
100 66.0 50.2 75.2

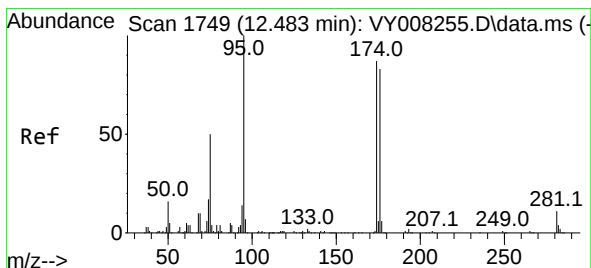
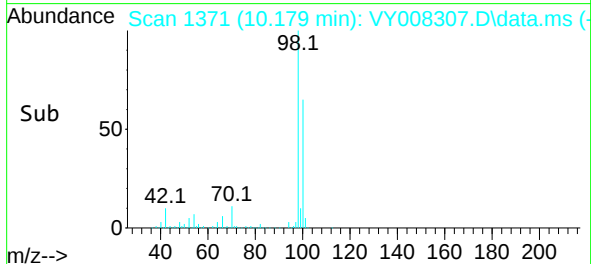
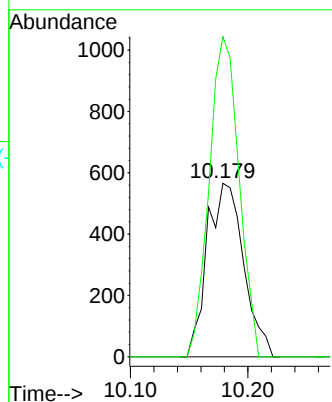
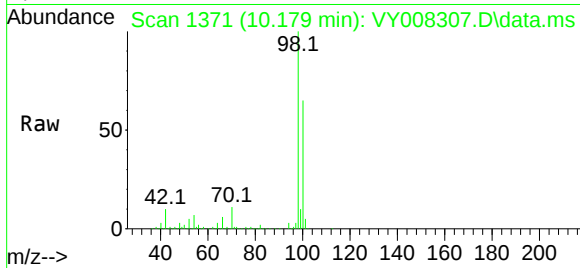




#51
4-Methyl-2-Pentanone
Concen: 1.300 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY008307.D
Acq: 13 Apr 2022 13:06

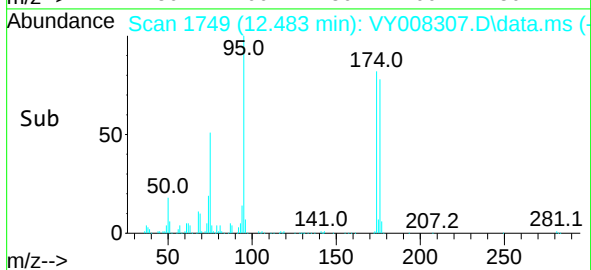
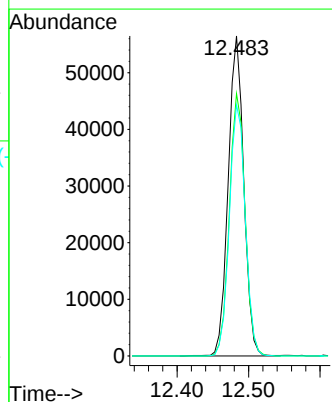
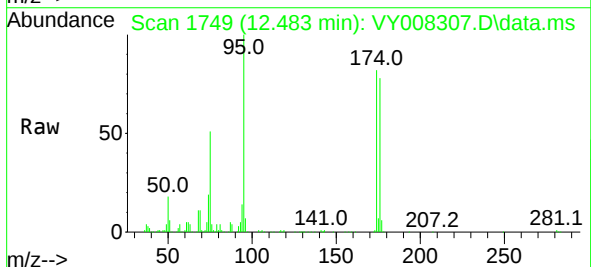
Instrument :
MSVOA_Y
ClientSampleId :
OK-02-041222

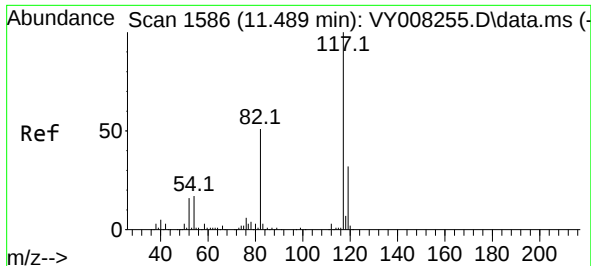
Tgt Ion: 43 Resp: 1220
Ion Ratio Lower Upper
43 100
58 150.7 28.1 42.1#



#62
4-Bromofluorobenzene
Concen: 55.787 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008307.D
Acq: 13 Apr 2022 13:06

Tgt Ion: 95 Resp: 85372
Ion Ratio Lower Upper
95 100
174 82.7 0.0 177.0
176 80.2 0.0 175.8

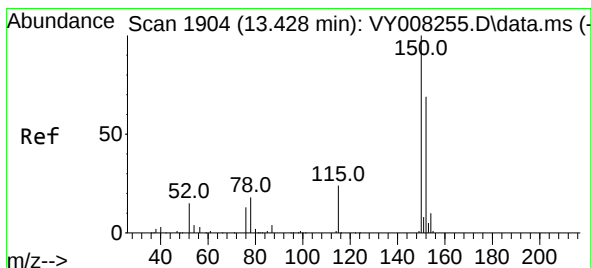
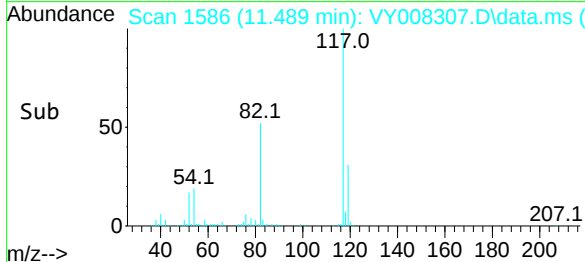
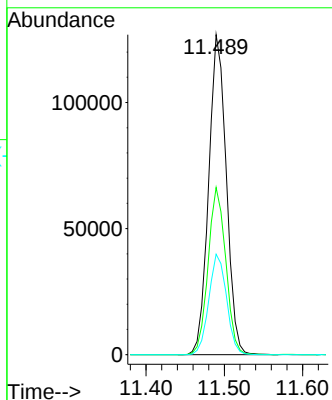
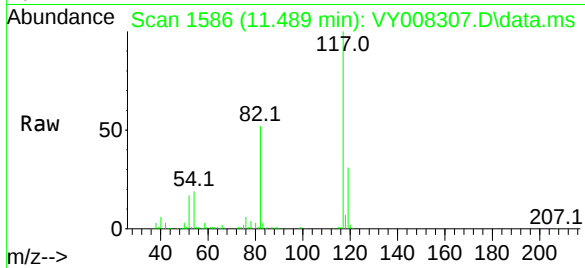




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY008307.D
Acq: 13 Apr 2022 13:06

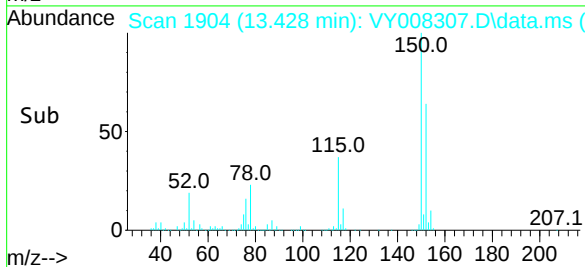
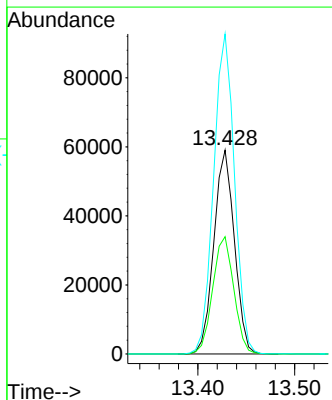
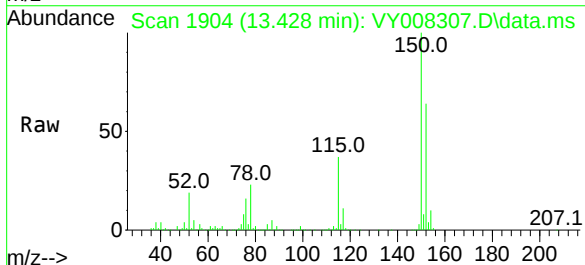
Instrument :
MSVOA_Y
ClientSampleId :
OK-02-041222

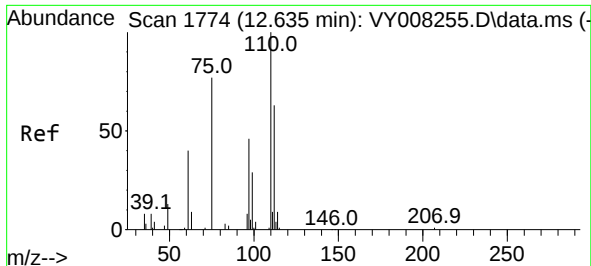
Tgt Ion:117 Resp: 198309
Ion Ratio Lower Upper
117 100
82 52.3 43.0 64.4
119 31.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008307.D
Acq: 13 Apr 2022 13:06

Tgt Ion:152 Resp: 87300
Ion Ratio Lower Upper
152 100
115 59.0 28.2 84.7
150 159.2 0.0 347.6

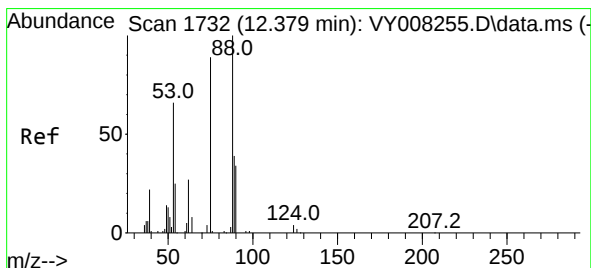
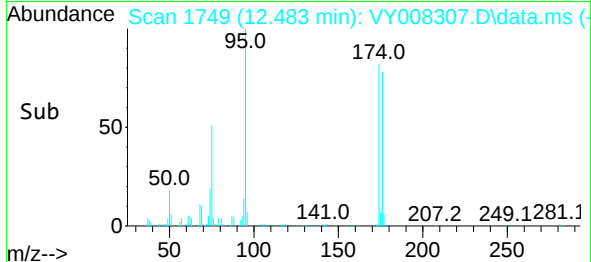
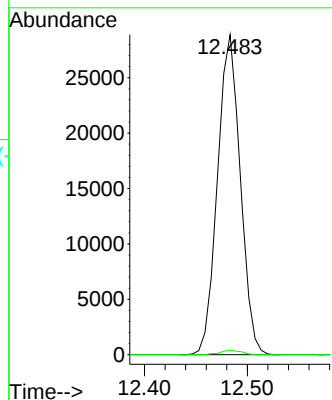
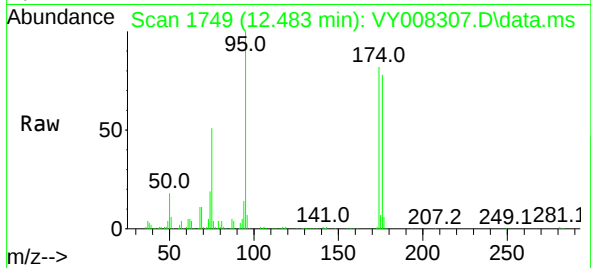




#76
1,2,3-Trichloropropane
Concen: 46.041 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY008307.D
Acq: 13 Apr 2022 13:06

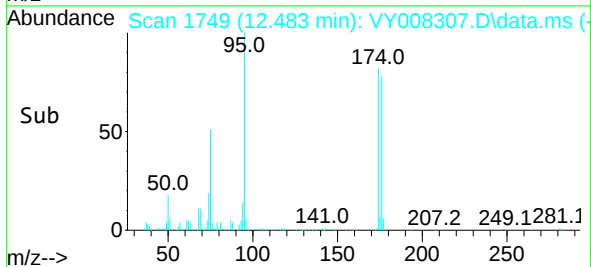
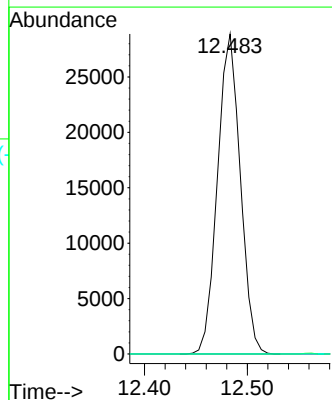
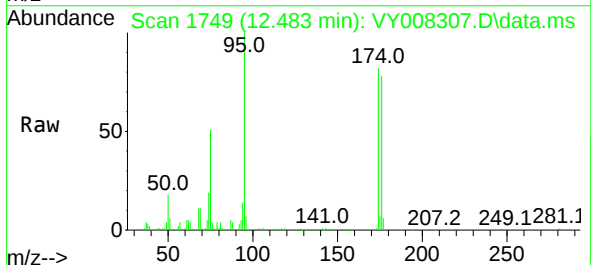
Instrument :
MSVOA_Y
ClientSampleId :
OK-02-041222

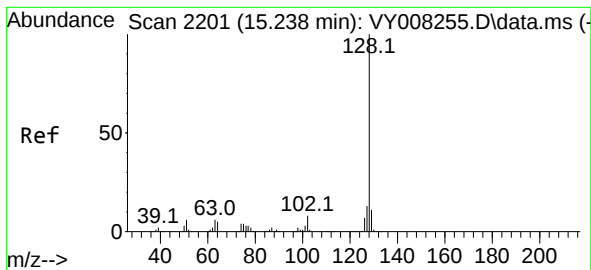
Tgt Ion: 75 Resp: 44453
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.014 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY008307.D
Acq: 13 Apr 2022 13:06

Tgt Ion: 75 Resp: 44453
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 15.731 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.001 min

Lab File: VY008307.D

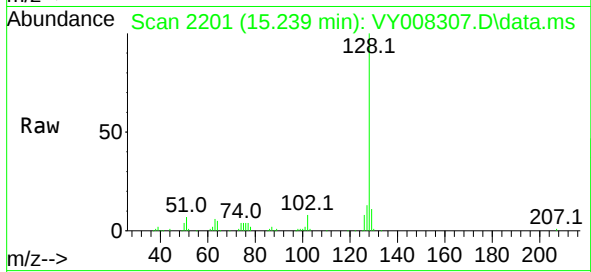
Acq: 13 Apr 2022 13:06

Instrument :

MSVOA_Y

ClientSampleId :

OK-02-041222



Tgt Ion:128 Resp: 55853

Ion Ratio Lower Upper

128 100

127 12.7 11.0 16.4

129 11.1 8.4 12.6

