

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041922\
 Data File : VY008395.D
 Acq On : 19 Apr 2022 14:56
 Operator : KP/MD
 Sample : N2427-02
 Misc : 5.82g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-2

Quant Time: Apr 20 06:28:46 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)

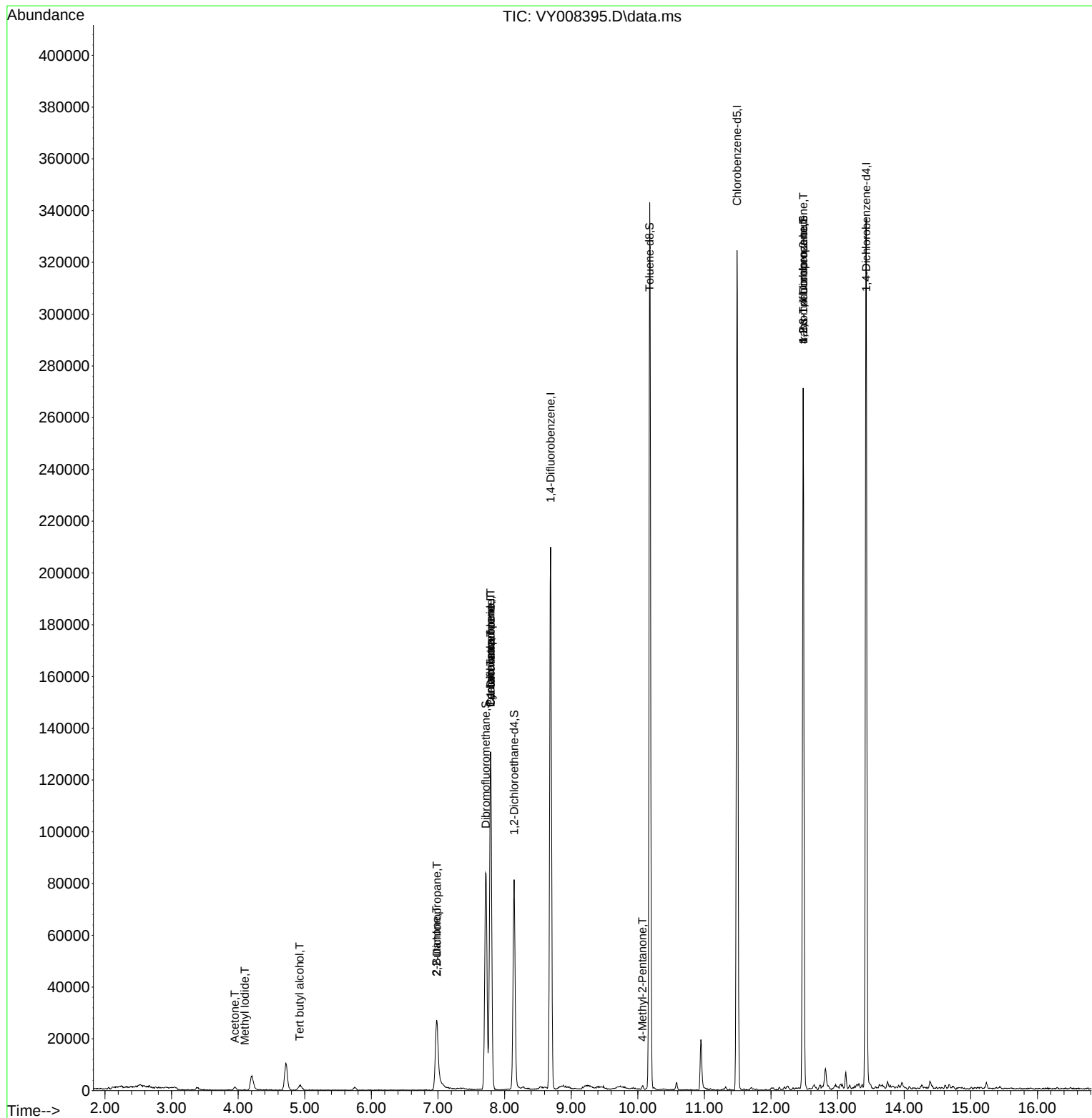
Internal Standards						
1) Pentafluorobenzene	7.789	168	101061	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	185095	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	183025	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	83130	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	59733	62.924	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.840%	
35) Dibromofluoromethane	7.716	113	60550	56.638	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.280%	
50) Toluene-d8	10.179	98	228698	62.517	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 125.040%	
62) 4-Bromofluorobenzene	12.483	95	78700	57.198	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 114.400%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	171	Below Cal	#	44
5) Bromomethane	2.668	94	263	Below Cal		85
10) Methyl Iodide	4.100	142	143	2.501	ug/l #	35
11) Tert butyl alcohol	4.924	59	2200	21.678	ug/l #	77
16) Acetone	3.948	43	2196	9.618	ug/l #	88
18) Methyl Acetate	4.485	43	315	Below Cal	#	56
20) Methylene Chloride	4.716	84	8380	Below Cal	#	72
25) 2-Butanone	6.978	43	1608	4.504	ug/l #	73
26) 2,2-Dichloropropane	6.984	77	2438	1.344	ug/l #	55
31) Cyclohexane	7.789	56	2253	1.312	ug/l #	12
36) 1,1-Dichloropropene	7.789	75	7958	4.662	ug/l #	51
38) Carbon Tetrachloride	7.789	117	10001	5.445	ug/l #	16
51) 4-Methyl-2-Pentanone	10.069	43	876	1.038	ug/l #	81
76) 1,2,3-Trichloropropane	12.483	75	42114	45.806	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	42114	102.490	ug/l #	7

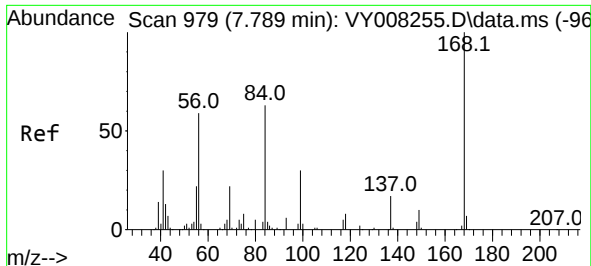
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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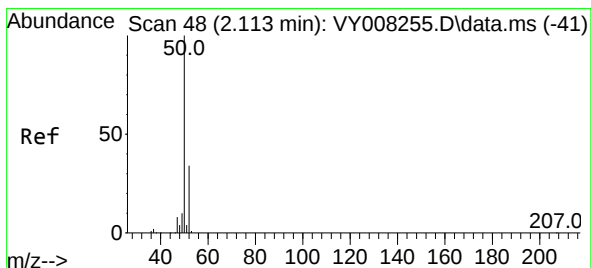
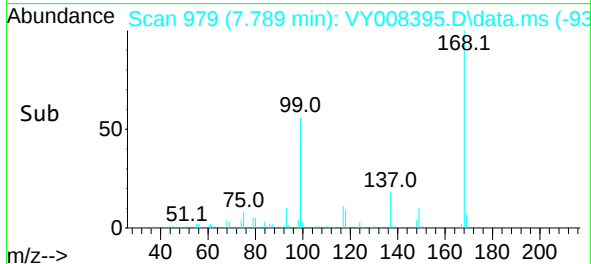
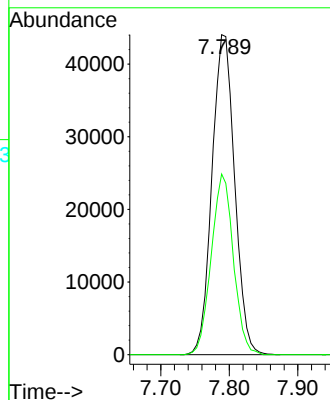
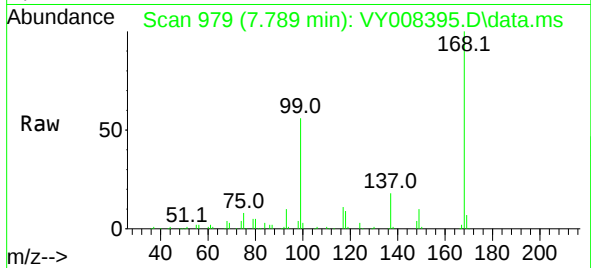




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008395.D
Acq: 19 Apr 2022 14:56

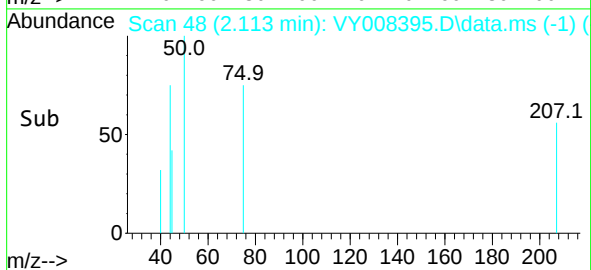
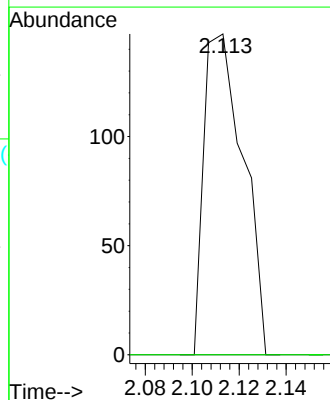
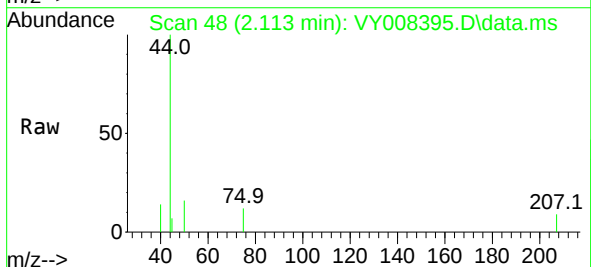
Instrument :
MSVOA_Y
ClientSampleId :
SB-2

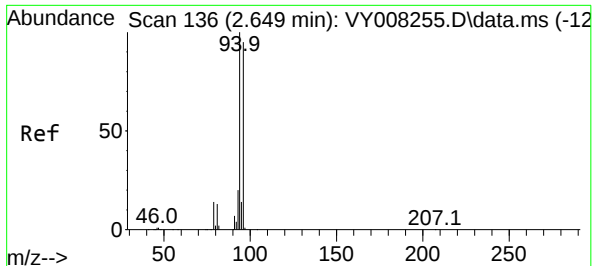
Tgt Ion:168 Resp: 101061
Ion Ratio Lower Upper
168 100
99 56.5 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY008395.D
Acq: 19 Apr 2022 14:56

Tgt Ion: 50 Resp: 171
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

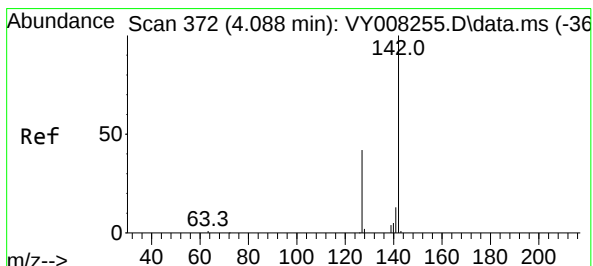
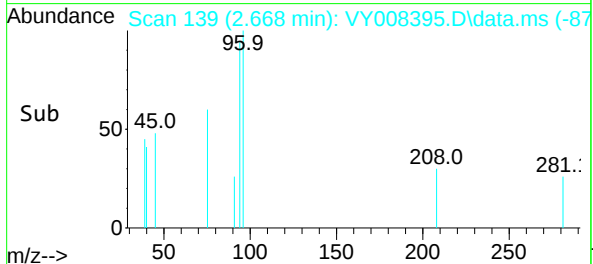
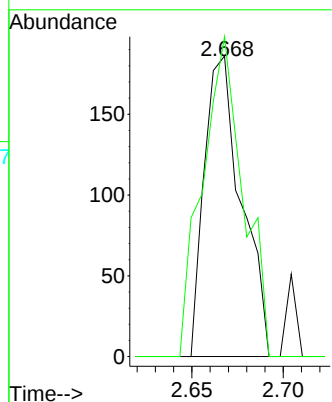
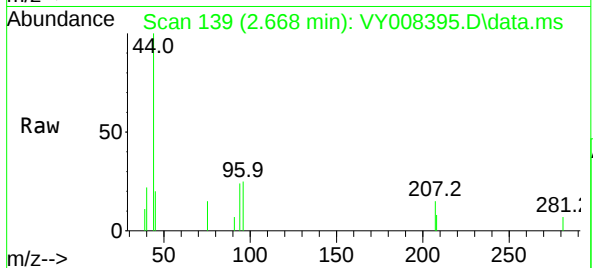




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.019 min
Lab File: VY008395.D
Acq: 19 Apr 2022 14:56

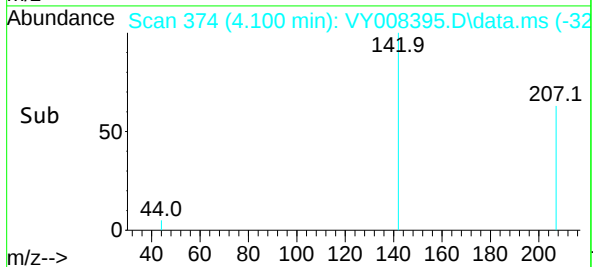
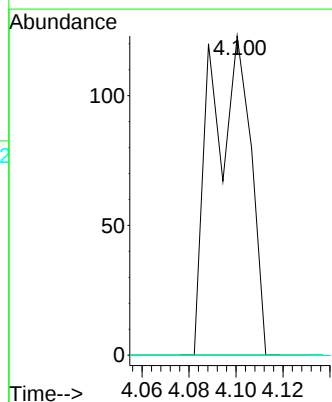
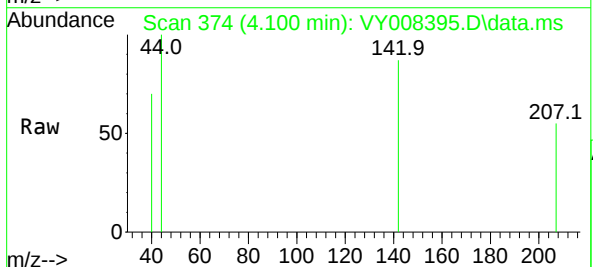
Instrument :
MSVOA_Y
ClientSampleId :
SB-2

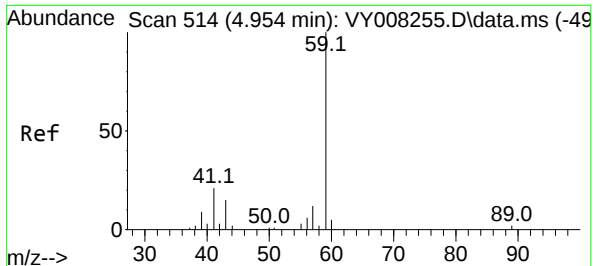
Tgt Ion: 94 Resp: 263
Ion Ratio Lower Upper
94 100
96 106.5 73.5 110.3



#10
Methyl Iodide
Concen: 2.501 ug/l
RT: 4.100 min Scan# 374
Delta R.T. 0.012 min
Lab File: VY008395.D
Acq: 19 Apr 2022 14:56

Tgt Ion:142 Resp: 143
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#





#11

Tert butyl alcohol

Concen: 21.678 ug/l

RT: 4.924 min Scan# 509

Delta R.T. -0.030 min

Lab File: VY008395.D

Acq: 19 Apr 2022 14:56

Instrument :

MSVOA_Y

ClientSampleId :

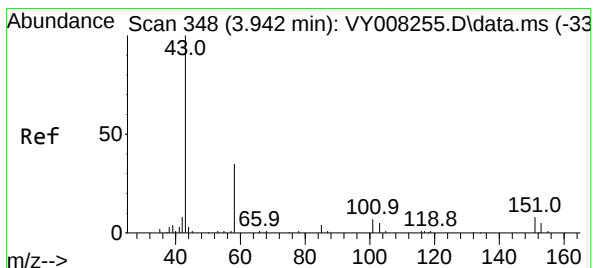
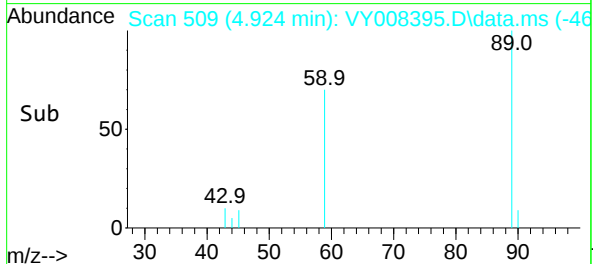
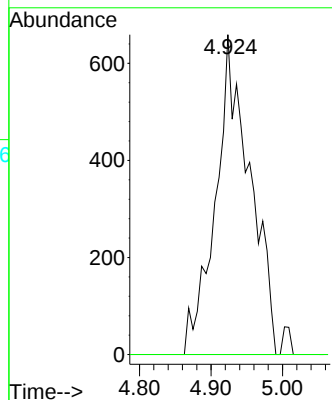
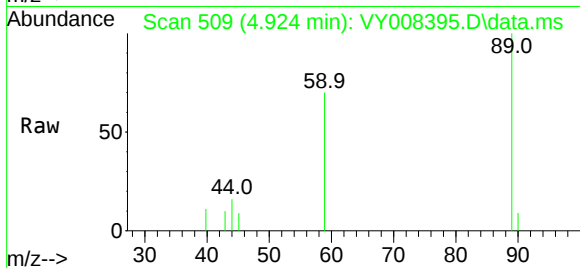
SB-2

Tgt Ion: 59 Resp: 2200

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 9.618 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.006 min

Lab File: VY008395.D

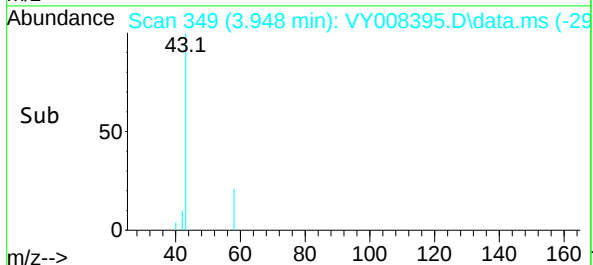
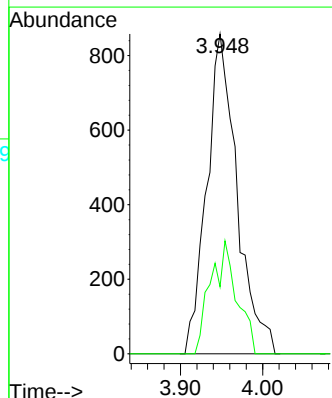
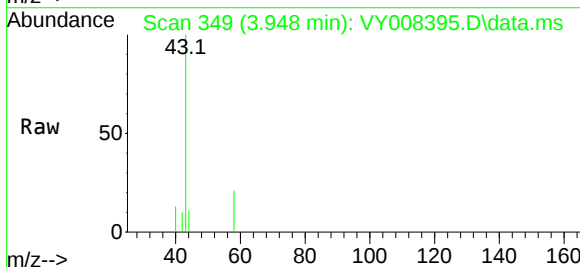
Acq: 19 Apr 2022 14:56

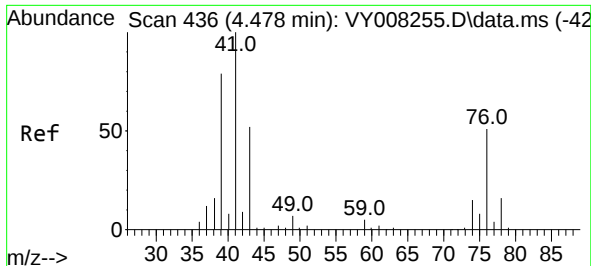
Tgt Ion: 43 Resp: 2196

Ion Ratio Lower Upper

43 100

58 21.0 22.0 33.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.485 min Scan# 41

Delta R.T. 0.007 min

Lab File: VY008395.D

Acq: 19 Apr 2022 14:56

Instrument :

MSVOA_Y

ClientSampleId :

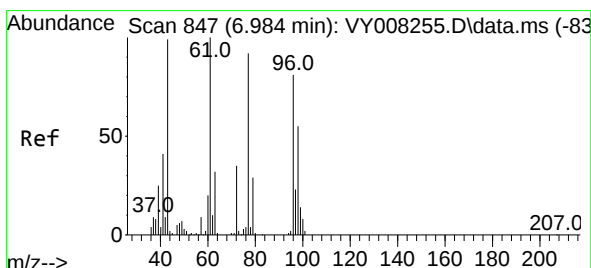
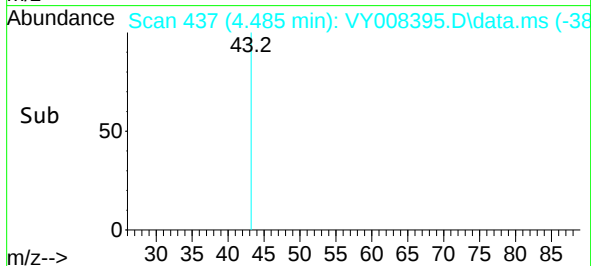
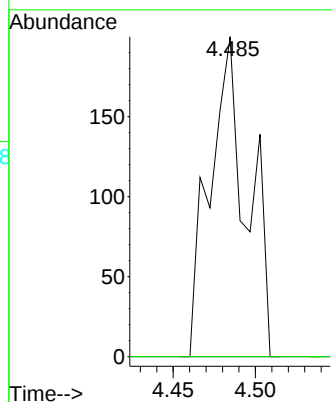
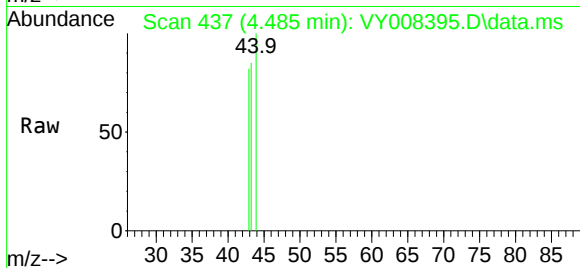
SB-2

Tgt Ion: 43 Resp: 315

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#25

2-Butanone

Concen: 4.504 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY008395.D

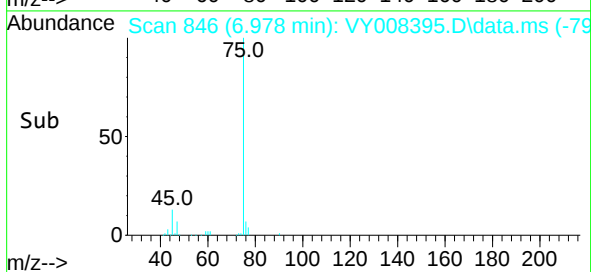
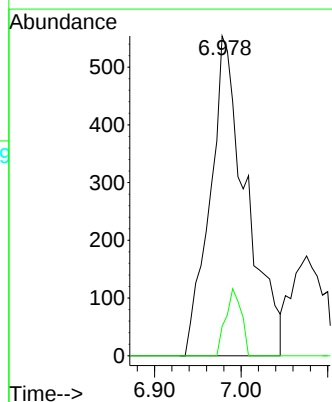
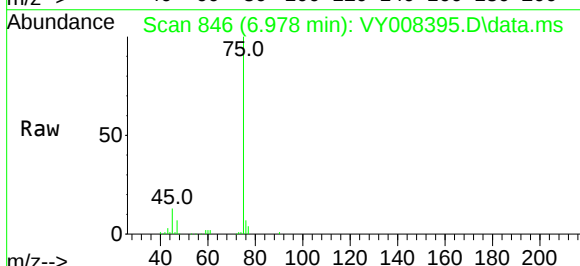
Acq: 19 Apr 2022 14:56

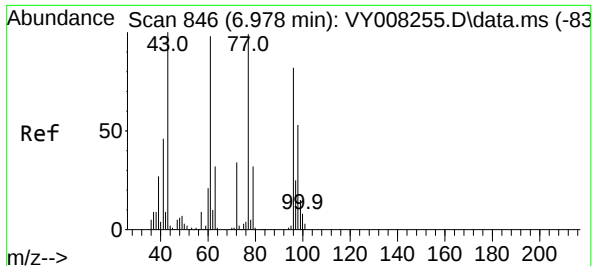
Tgt Ion: 43 Resp: 1608

Ion Ratio Lower Upper

43 100

72 9.2 17.7 26.5#





#26

2,2-Dichloropropane

Concen: 1.344 ug/l

RT: 6.984 min Scan# 846

Delta R.T. 0.006 min

Lab File: VY008395.D

Acq: 19 Apr 2022 14:56

Instrument :

MSVOA_Y

ClientSampleId :

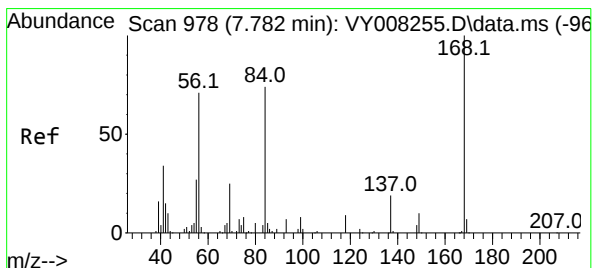
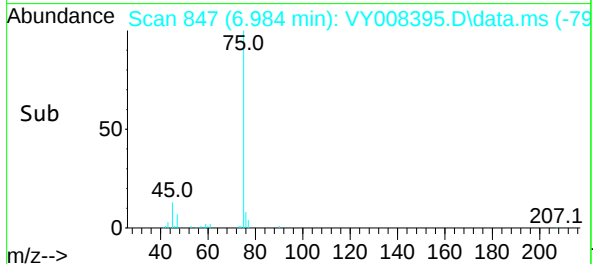
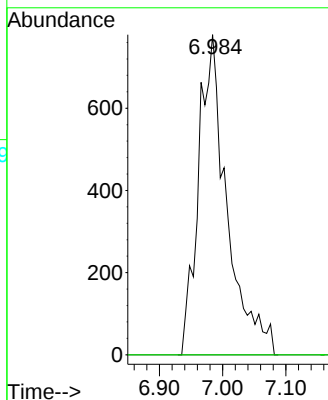
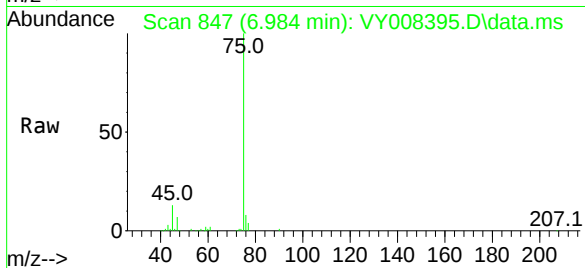
SB-2

Tgt Ion: 77 Resp: 2438

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#



#31

Cyclohexane

Concen: 1.312 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.007 min

Lab File: VY008395.D

Acq: 19 Apr 2022 14:56

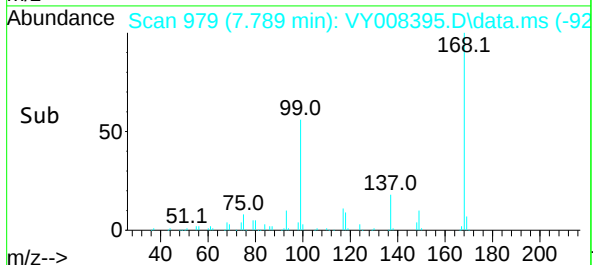
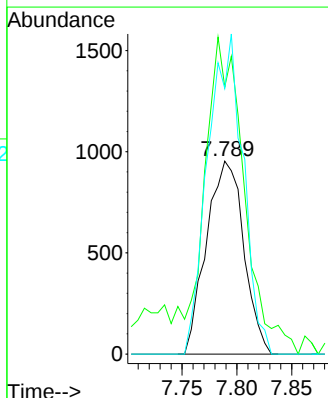
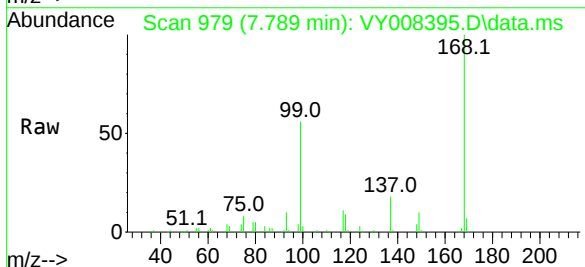
Tgt Ion: 56 Resp: 2253

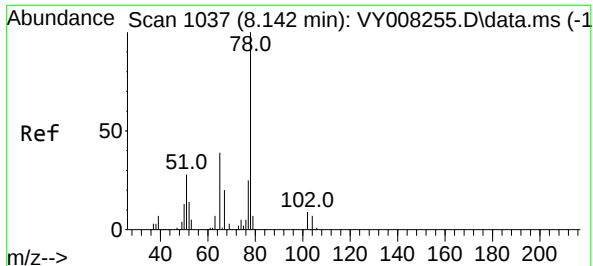
Ion Ratio Lower Upper

56 100

69 123.6 26.7 40.1#

84 137.8 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 62.924 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY008395.D

Acq: 19 Apr 2022 14:56

Instrument :

MSVOA_Y

ClientSampleId :

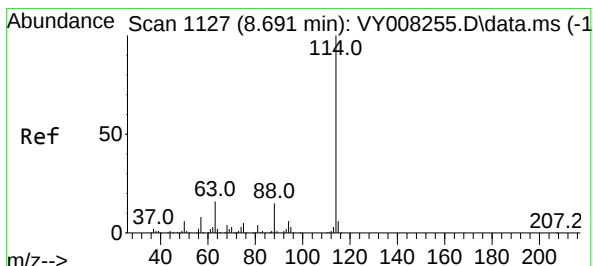
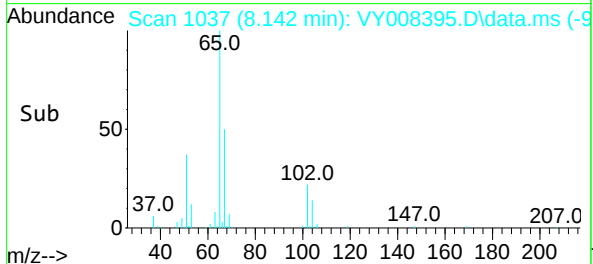
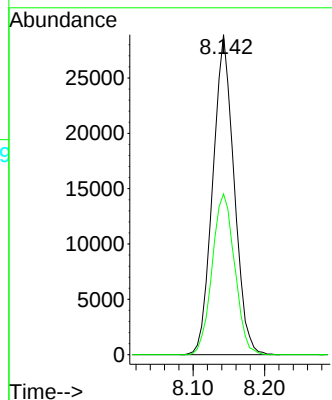
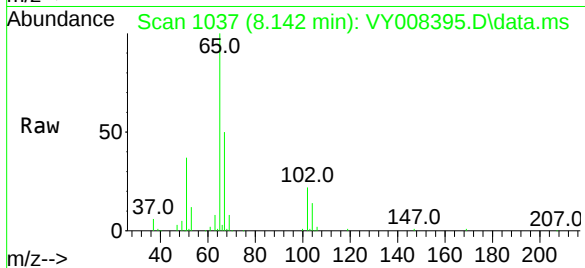
SB-2

Tgt Ion: 65 Resp: 59733

Ion Ratio Lower Upper

65 100

67 53.1 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: VY008395.D

Acq: 19 Apr 2022 14:56

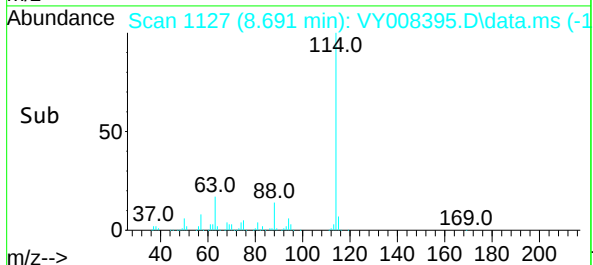
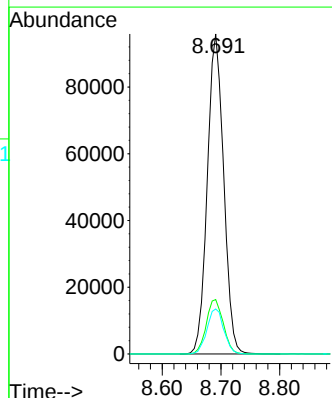
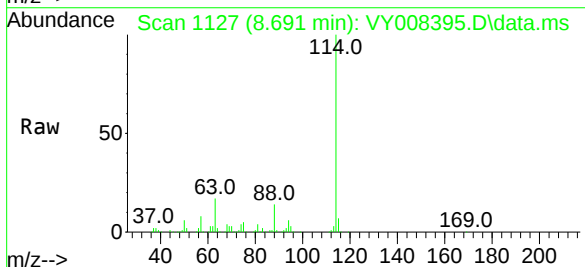
Tgt Ion: 114 Resp: 185095

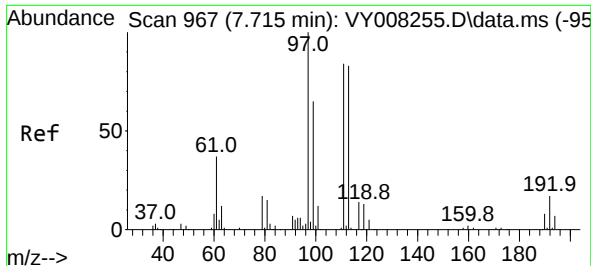
Ion Ratio Lower Upper

114 100

63 17.0 0.0 43.2

88 14.0 0.0 31.8

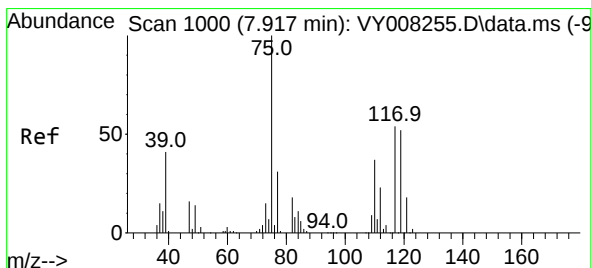
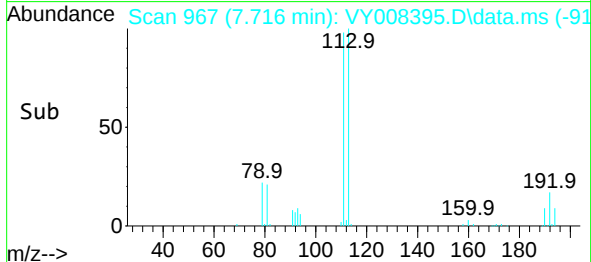
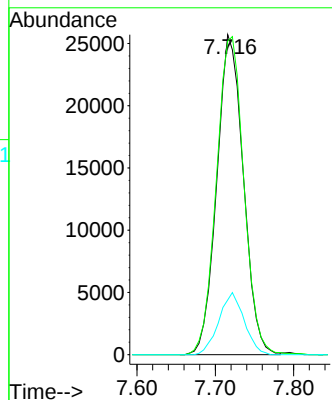
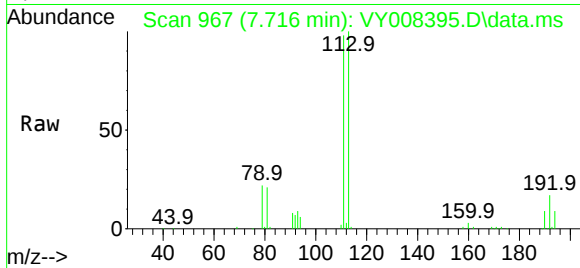




#35
Dibromofluoromethane
Concen: 56.638 ug/l
RT: 7.716 min Scan# 911
Delta R.T. 0.001 min
Lab File: VY008395.D
Acq: 19 Apr 2022 14:56

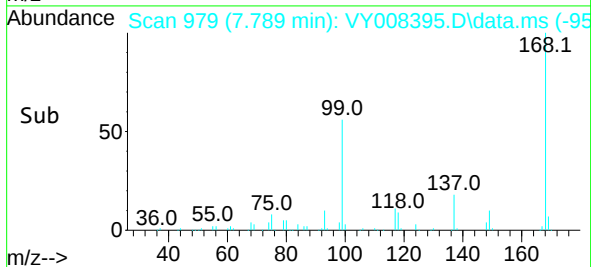
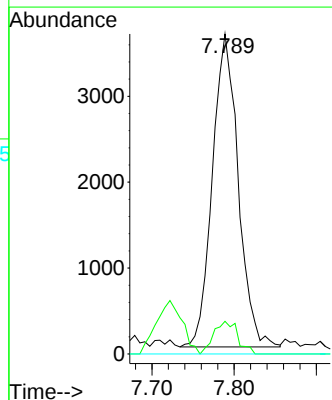
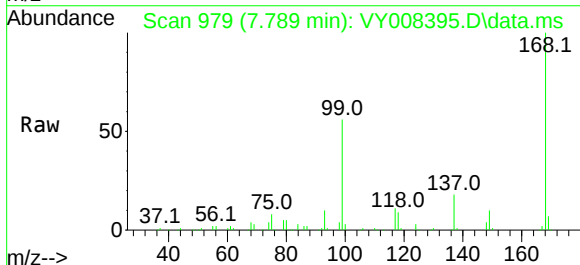
Instrument :
MSVOA_Y
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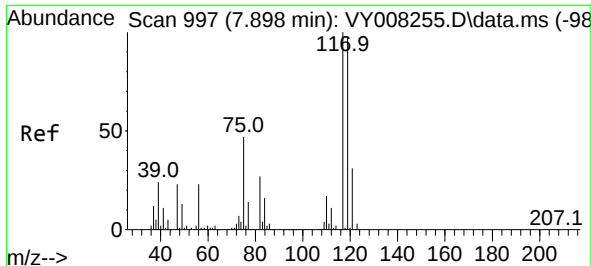
Tgt Ion:113 Resp: 60550
Ion Ratio Lower Upper
113 100
111 102.9 82.6 124.0
192 18.6 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.662 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY008395.D
Acq: 19 Apr 2022 14:56

Tgt Ion: 75 Resp: 7958
Ion Ratio Lower Upper
75 100
110 9.7 17.1 51.2#
77 0.0 24.4 36.6#

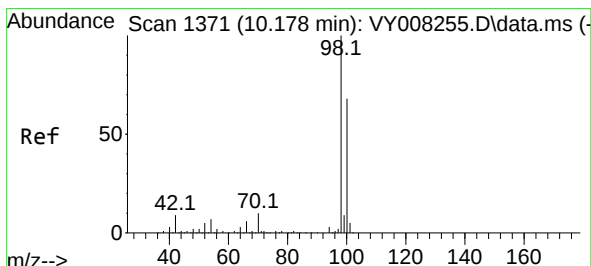
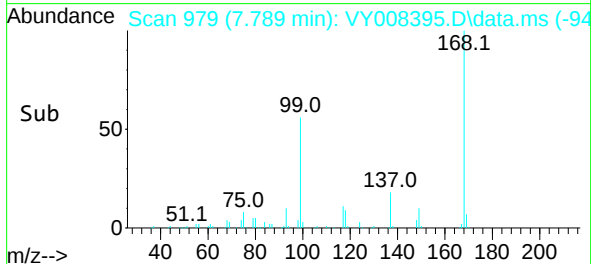
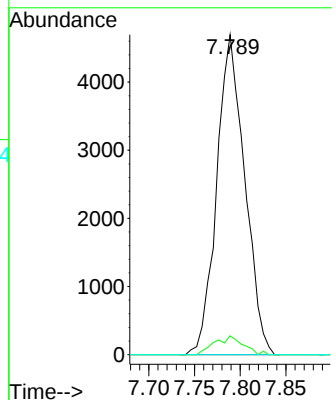
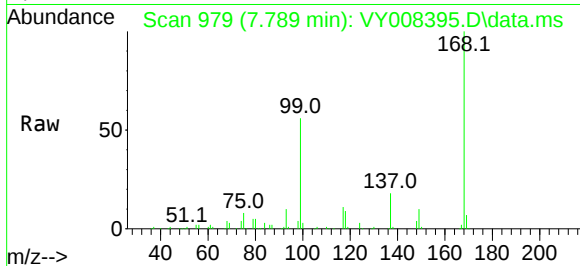




#38
Carbon Tetrachloride
Concen: 5.445 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY008395.D
Acq: 19 Apr 2022 14:56

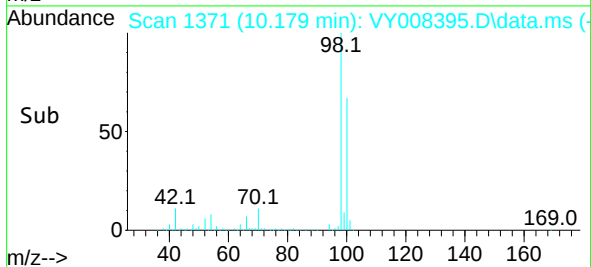
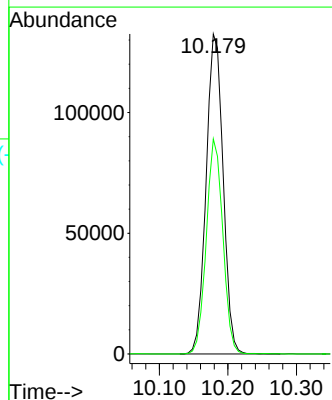
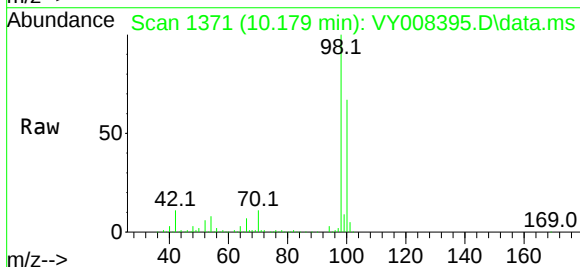
Instrument :
MSVOA_Y
ClientSampleId :
SB-2

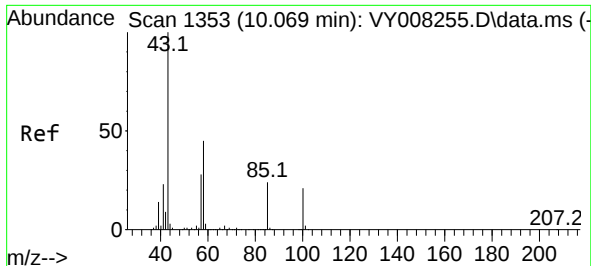
Tgt Ion:117 Resp: 10001
Ion Ratio Lower Upper
117 100
119 5.9 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 62.517 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY008395.D
Acq: 19 Apr 2022 14:56

Tgt Ion: 98 Resp: 228698
Ion Ratio Lower Upper
98 100
100 65.4 50.2 75.2

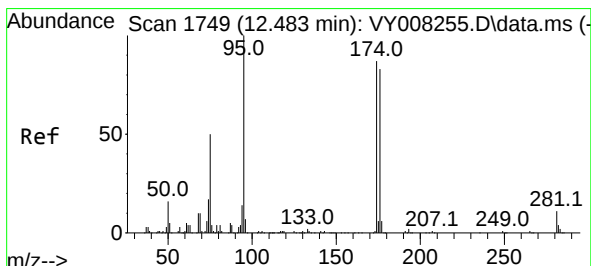
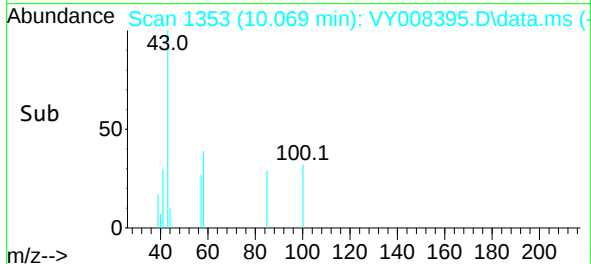
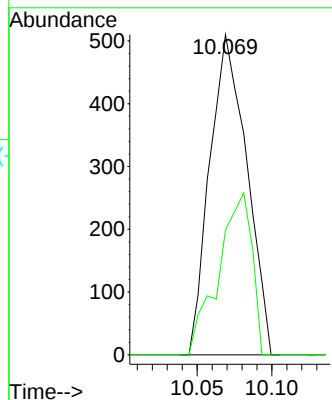
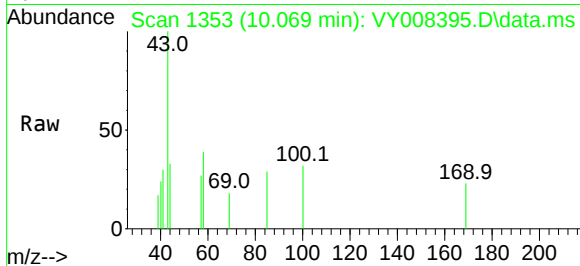




#51
4-Methyl-2-Pentanone
Concen: 1.038 ug/l
RT: 10.069 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY008395.D
Acq: 19 Apr 2022 14:56

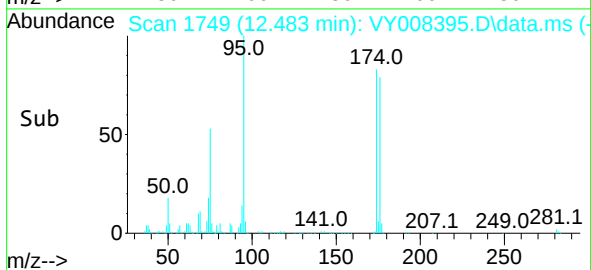
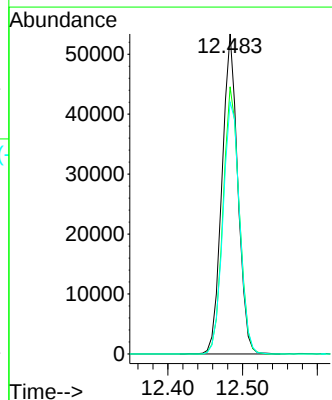
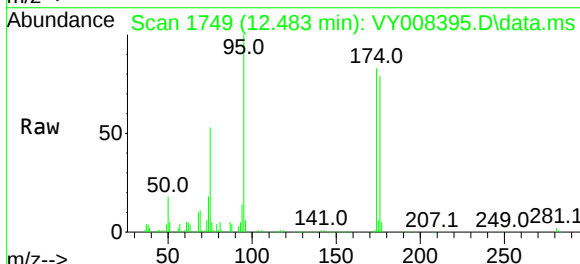
Instrument :
MSVOA_Y
ClientSampleId :
SB-2

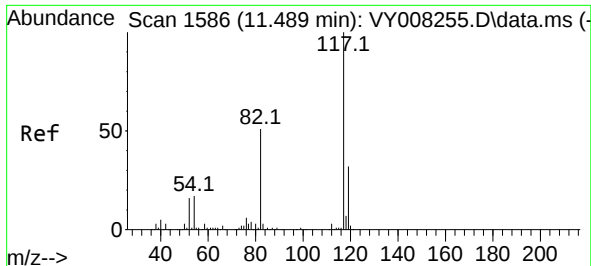
Tgt Ion: 43 Resp: 876
Ion Ratio Lower Upper
43 100
58 45.9 28.1 42.1#



#62
4-Bromofluorobenzene
Concen: 57.198 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008395.D
Acq: 19 Apr 2022 14:56

Tgt Ion: 95 Resp: 78700
Ion Ratio Lower Upper
95 100
174 85.1 0.0 177.0
176 82.6 0.0 175.8

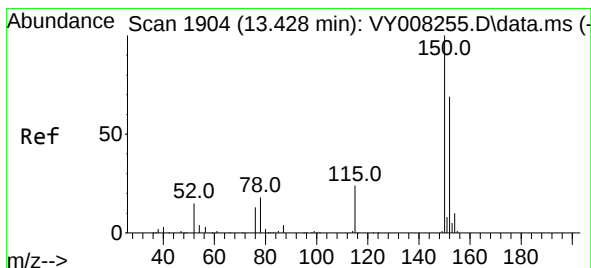
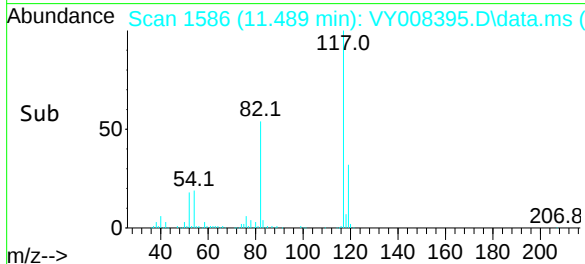
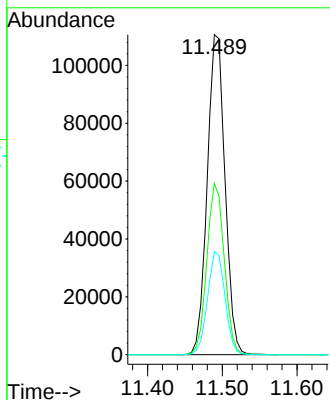
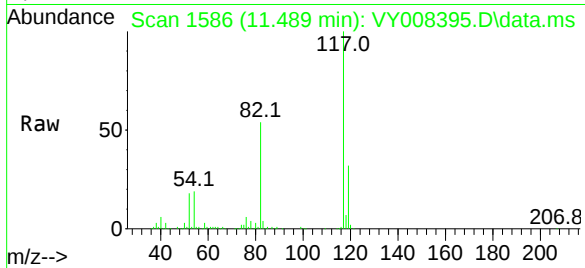




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY008395.D
Acq: 19 Apr 2022 14:56

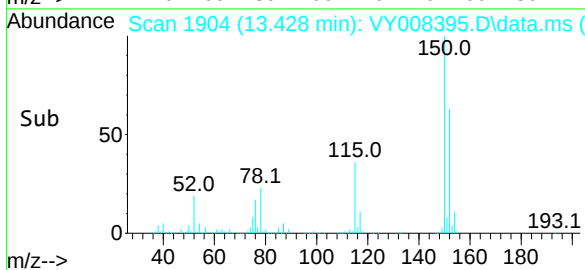
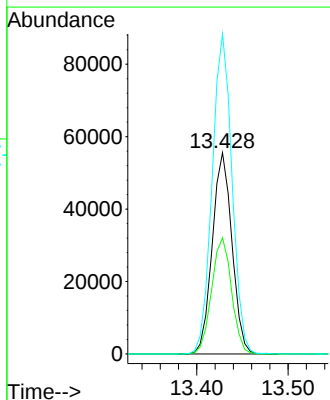
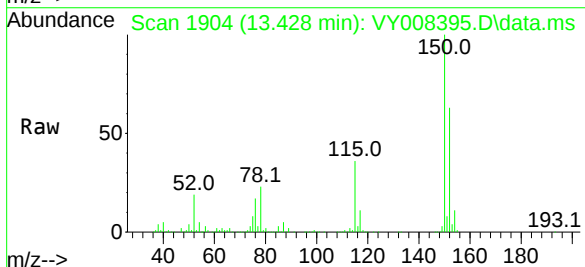
Instrument :
MSVOA_Y
ClientSampleId :
SB-2

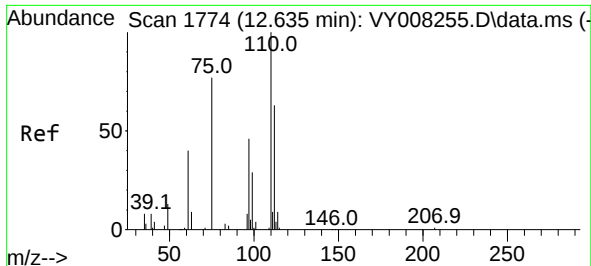
Tgt Ion:117 Resp: 183025
Ion Ratio Lower Upper
117 100
82 53.6 43.0 64.4
119 32.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008395.D
Acq: 19 Apr 2022 14:56

Tgt Ion:152 Resp: 83130
Ion Ratio Lower Upper
152 100
115 58.3 28.2 84.7
150 160.4 0.0 347.6

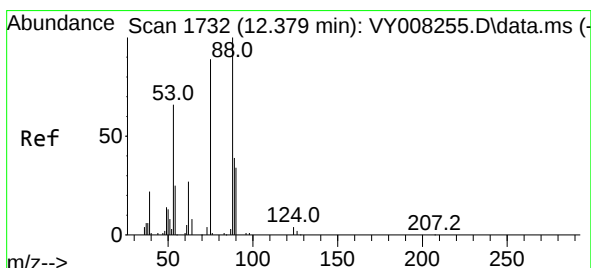
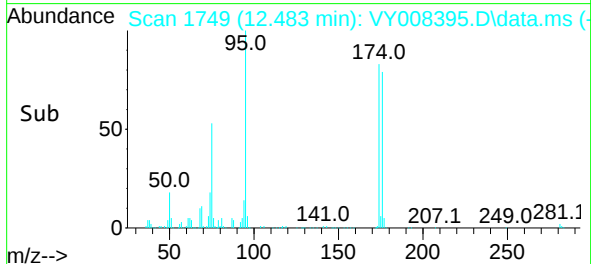
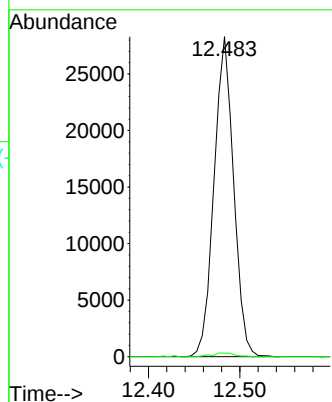
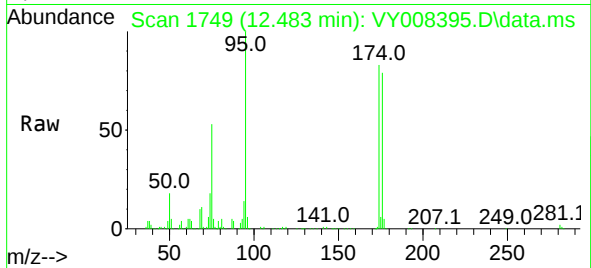




#76
1,2,3-Trichloropropane
Concen: 45.806 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY008395.D
Acq: 19 Apr 2022 14:56

Instrument :
MSVOA_Y
ClientSampleId :
SB-2

Tgt Ion: 75 Resp: 42114
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.490 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY008395.D
Acq: 19 Apr 2022 14:56

Tgt Ion: 75 Resp: 42114
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#

