

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112922\
 Data File : VY011617.D
 Acq On : 29 Nov 2022 13:13
 Operator : KP/MD
 Sample : N5793-03
 Misc : 5.23g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-40-SB02

Quant Time: Nov 30 04:42:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

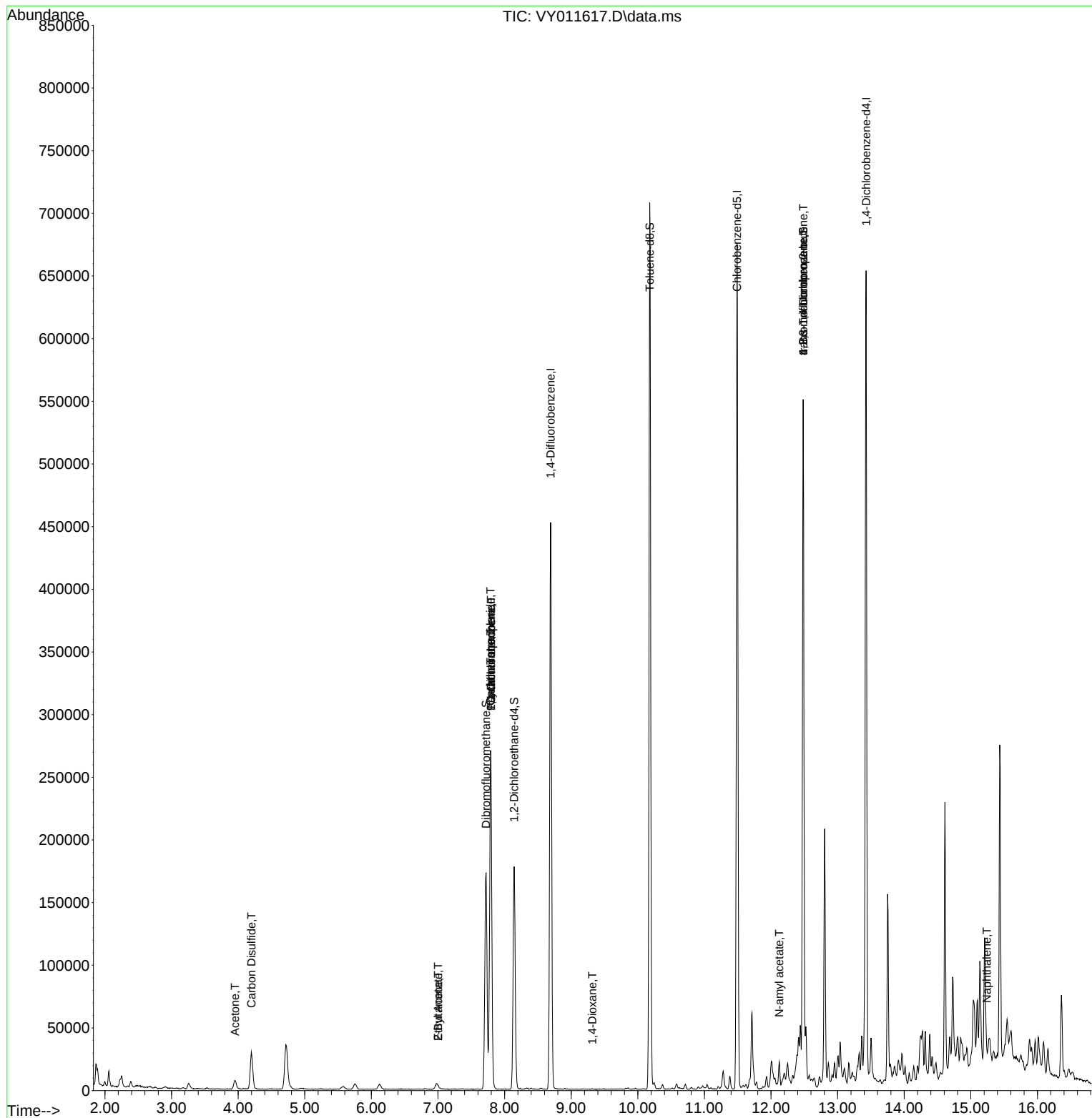
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.795	168	205086	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	379022	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	360942	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	156768	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	139041	66.768	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 133.540%		
35) Dibromofluoromethane	7.722	113	121937	52.261	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 104.520%		
50) Toluene-d8	10.179	98	458310	54.054	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 108.100%		
62) 4-Bromofluorobenzene	12.483	95	157766	50.326	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 100.660%		
Target Compounds						
2) Dichlorodifluoromethane	1.906	85	53	Below Cal	#	Qvalue 43
3) Chloromethane	2.113	50	290	Below Cal	#	86
5) Bromomethane	2.668	94	285	Below Cal		84
11) Tert butyl alcohol	4.930	59	536	Below Cal	#	77
16) Acetone	3.954	43	12837	18.978	ug/l #	88
17) Carbon Disulfide	4.198	76	58917	11.795	ug/l	97
18) Methyl Acetate	4.497	43	707	Below Cal	#	56
20) Methylene Chloride	4.716	84	26780	Below Cal		89
25) 2-Butanone	7.003	43	3768	4.239	ug/l	98
31) Cyclohexane	7.789	56	4716	1.366	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	16444	4.509	ug/l #	50
37) Ethyl Acetate	7.003	43	3768	1.814	ug/l #	74
38) Carbon Tetrachloride	7.789	117	20884	5.118	ug/l #	15
49) 1,4-Dioxane	9.319	88	45	2.393	ug/l #	20
74) N-amyl acetate	12.124	43	4041	1.443	ug/l #	82
76) 1,2,3-Trichloropropane	12.483	75	85354	50.557	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	85354	110.736	ug/l #	7
95) Naphthalene	15.239	128	2150	4.376	ug/l #	80

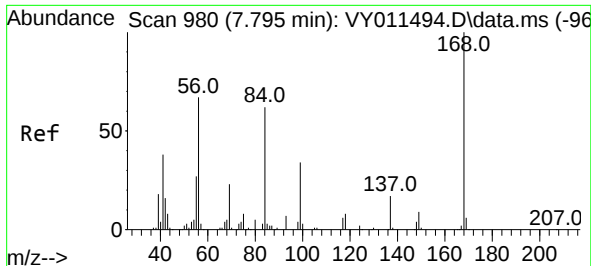
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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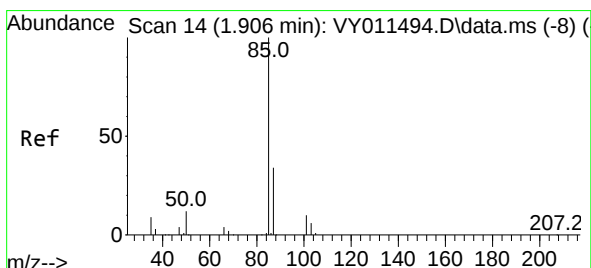
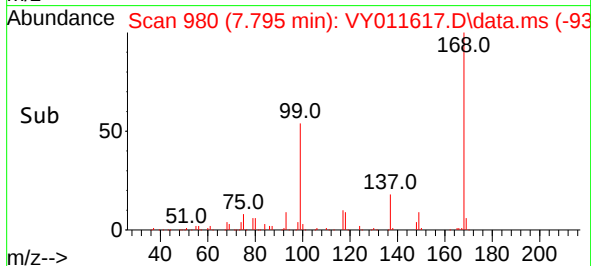
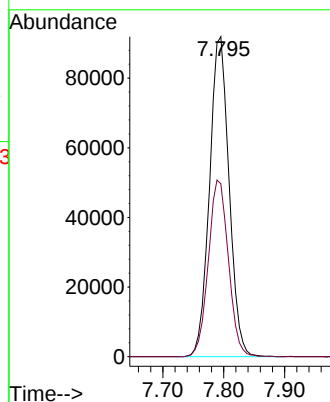
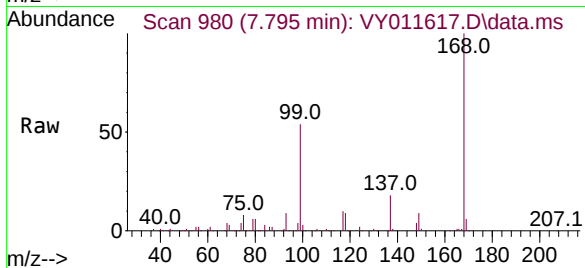




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011617.D
Acq: 29 Nov 2022 13:13

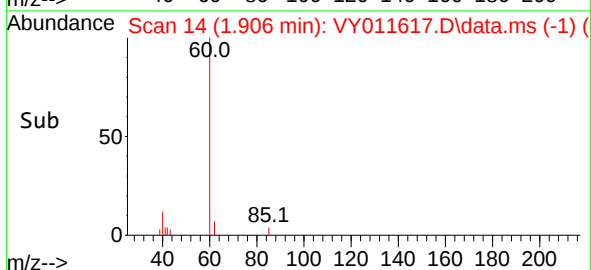
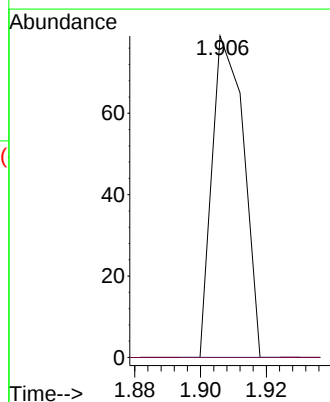
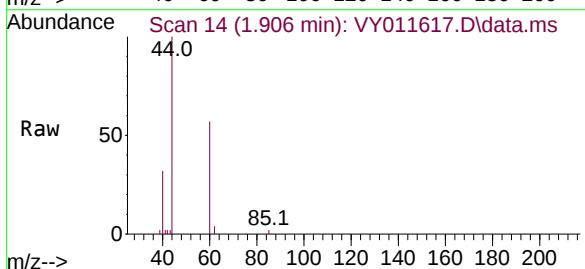
Instrument :
MSVOA_Y
ClientSampleId :
B-40-SB02

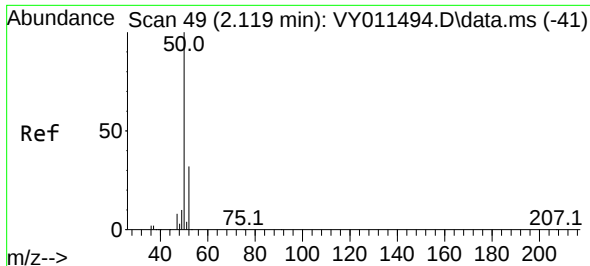
Tgt Ion:168 Resp: 205086
Ion Ratio Lower Upper
168 100
99 54.0 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011617.D
Acq: 29 Nov 2022 13:13

Tgt Ion: 85 Resp: 53
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

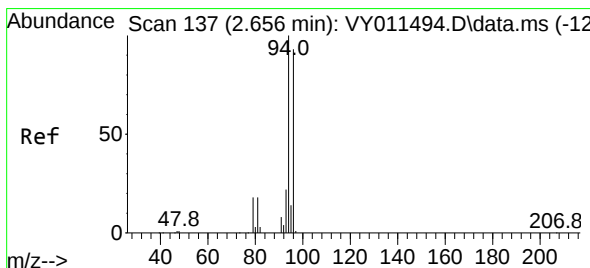
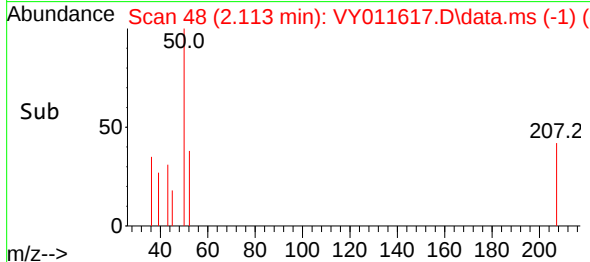
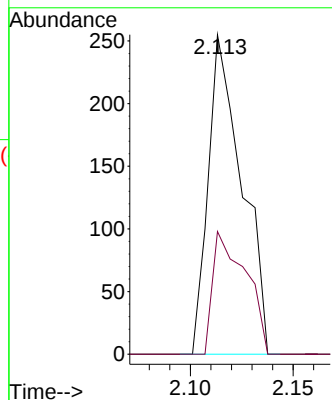
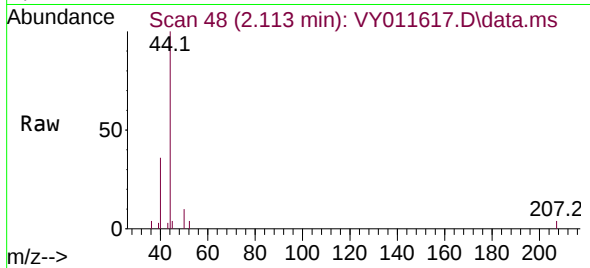




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011617.D
Acq: 29 Nov 2022 13:13

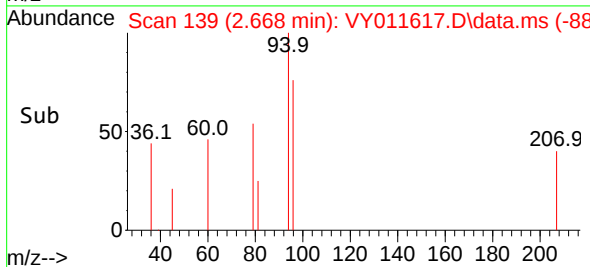
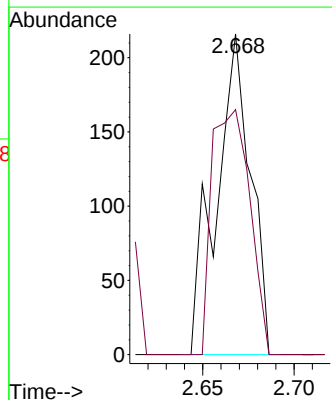
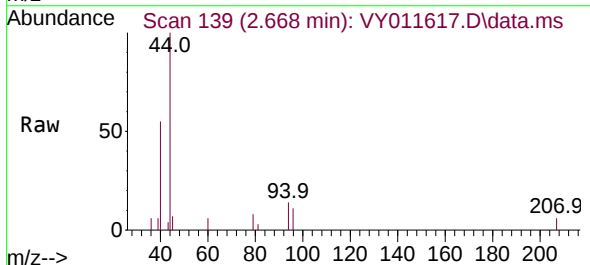
Instrument :
MSVOA_Y
ClientSampleId :
B-40-SB02

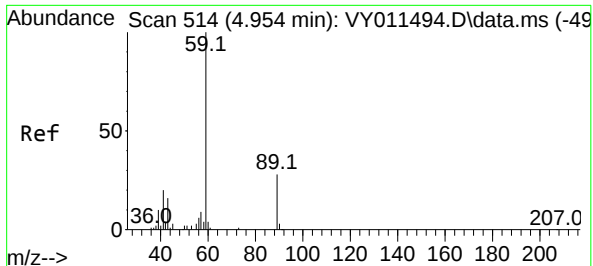
Tgt Ion: 50 Resp: 290
Ion Ratio Lower Upper
50 100
52 38.4 24.6 37.0#



#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 139
Delta R.T. 0.012 min
Lab File: VY011617.D
Acq: 29 Nov 2022 13:13

Tgt Ion: 94 Resp: 285
Ion Ratio Lower Upper
94 100
96 76.4 73.5 110.3





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.930 min Scan# 514

Delta R.T. -0.024 min

Lab File: VY011617.D

Acq: 29 Nov 2022 13:13

Instrument :

MSVOA_Y

ClientSampleId :

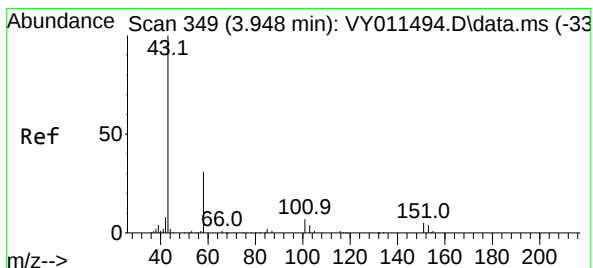
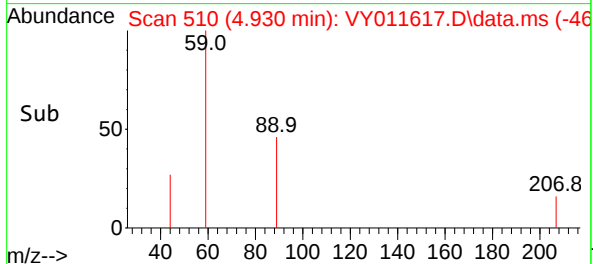
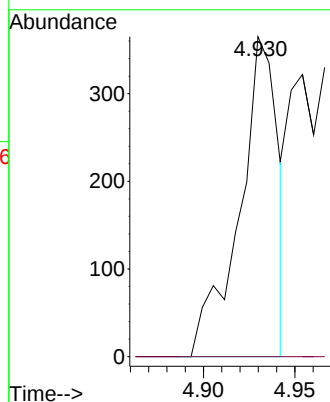
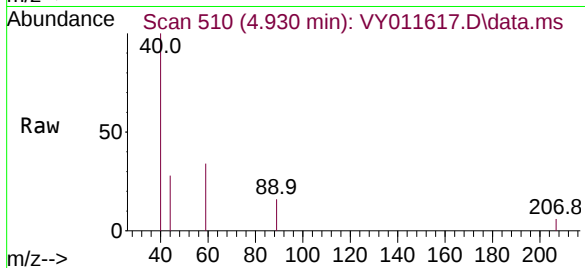
B-40-SB02

Tgt Ion: 59 Resp: 536

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 18.978 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.006 min

Lab File: VY011617.D

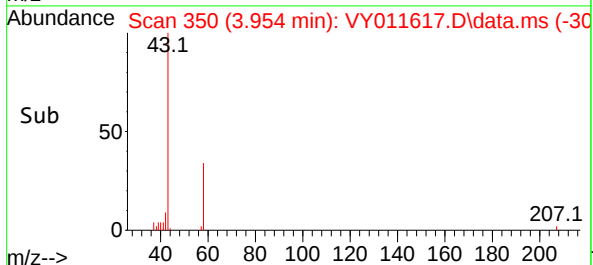
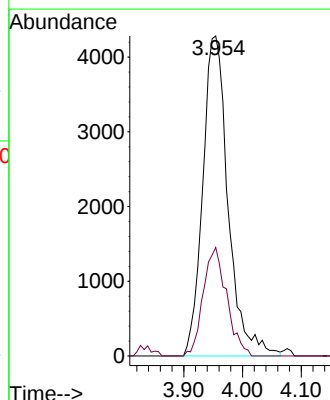
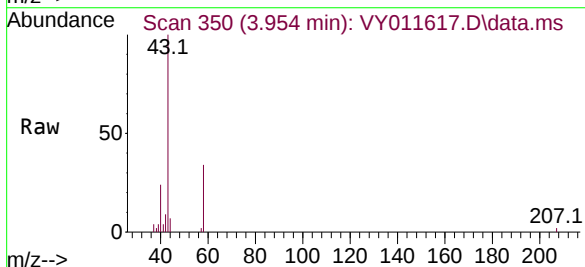
Acq: 29 Nov 2022 13:13

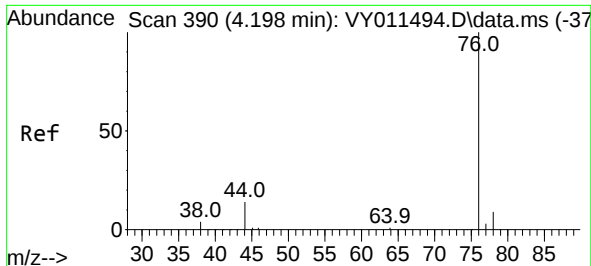
Tgt Ion: 43 Resp: 12837

Ion Ratio Lower Upper

43 100

58 33.9 22.0 33.0#





#17

Carbon Disulfide

Concen: 11.795 ug/l

RT: 4.198 min Scan# 390

Delta R.T. 0.000 min

Lab File: VY011617.D

Acq: 29 Nov 2022 13:13

Instrument :

MSVOA_Y

ClientSampleId :

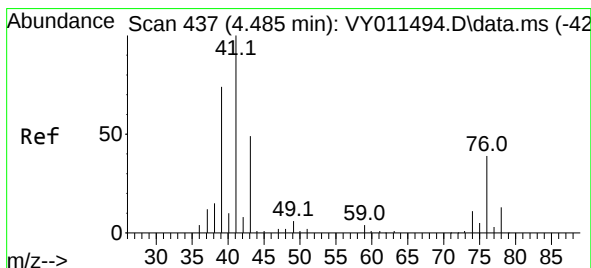
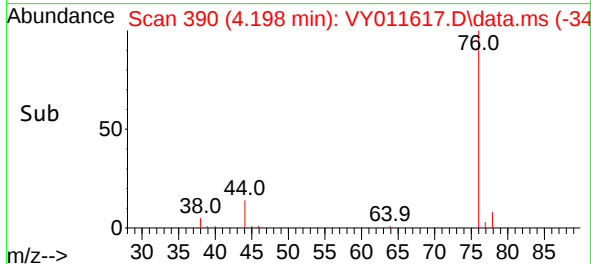
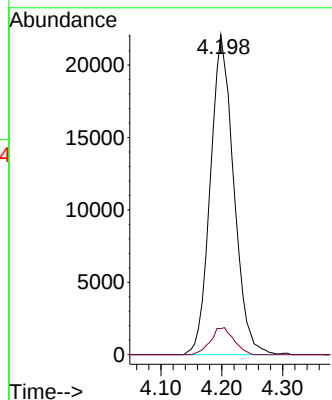
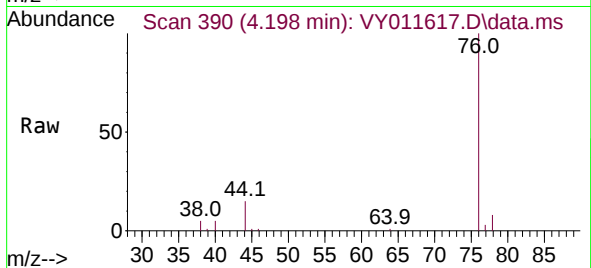
B-40-SB02

Tgt Ion: 76 Resp: 58917

Ion Ratio Lower Upper

76 100

78 8.1 7.4 11.0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.497 min Scan# 439

Delta R.T. 0.012 min

Lab File: VY011617.D

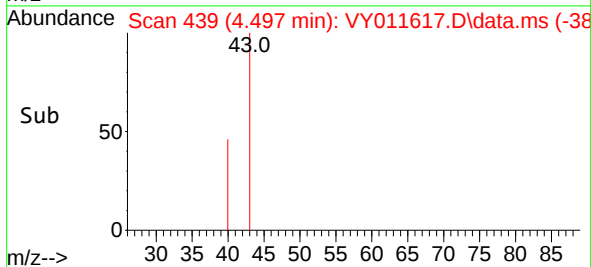
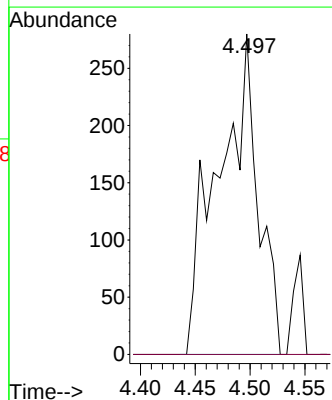
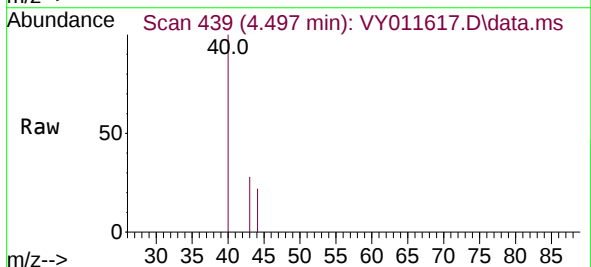
Acq: 29 Nov 2022 13:13

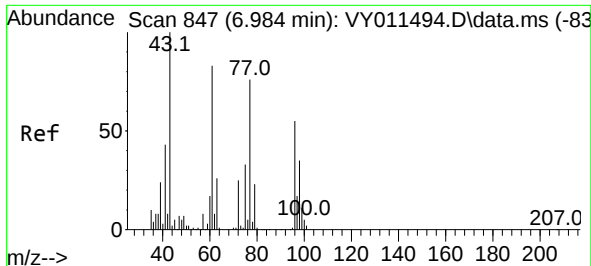
Tgt Ion: 43 Resp: 707

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#

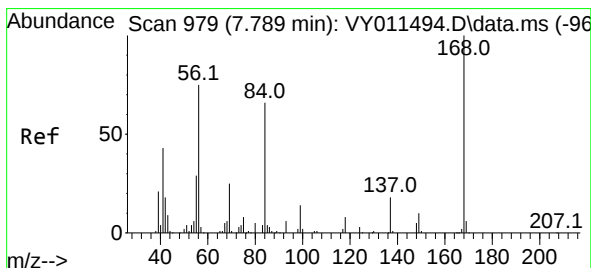
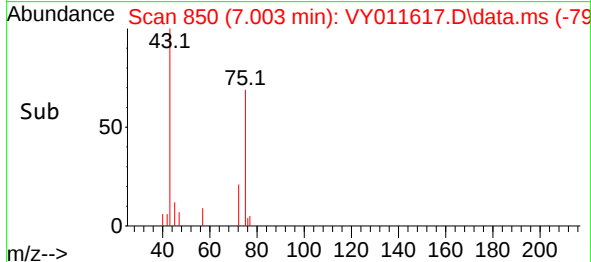
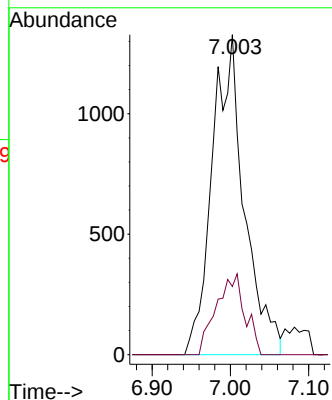
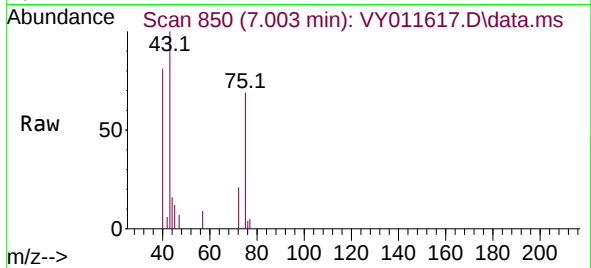




#25
2-Butanone
Concen: 4.239 ug/l
RT: 7.003 min Scan# 847
Delta R.T. 0.019 min
Lab File: VY011617.D
Acq: 29 Nov 2022 13:13

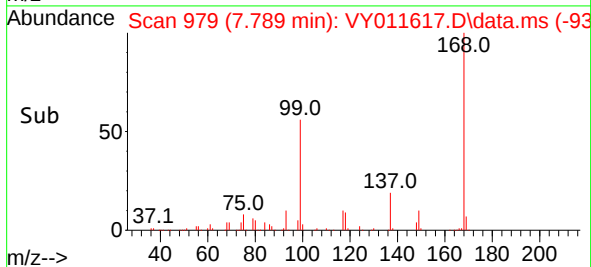
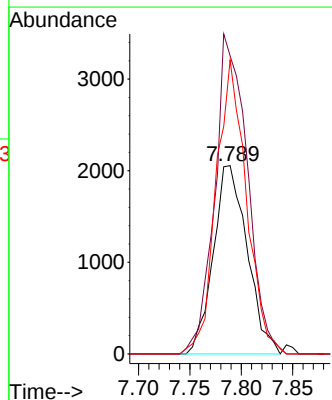
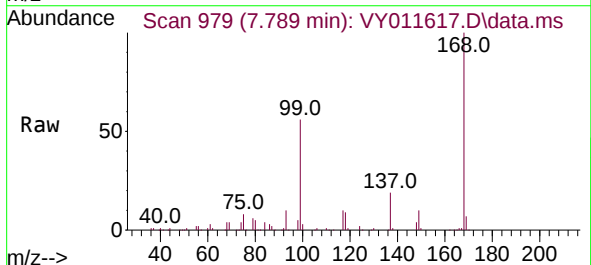
Instrument :
MSVOA_Y
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B-40-SB02

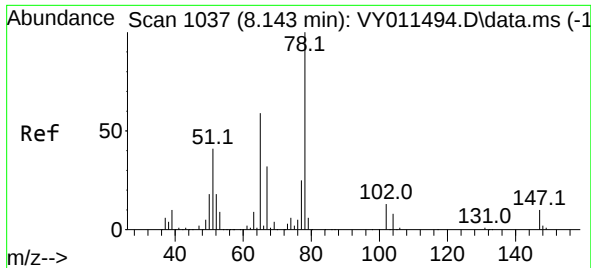
Tgt Ion: 43 Resp: 3768
Ion Ratio Lower Upper
43 100
72 21.3 17.7 26.5



#31
Cyclohexane
Concen: 1.366 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.000 min
Lab File: VY011617.D
Acq: 29 Nov 2022 13:13

Tgt Ion: 56 Resp: 4716
Ion Ratio Lower Upper
56 100
69 158.2 26.7 40.1#
84 156.0 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 66.768 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY011617.D

Acq: 29 Nov 2022 13:13

Instrument :

MSVOA_Y

ClientSampleId :

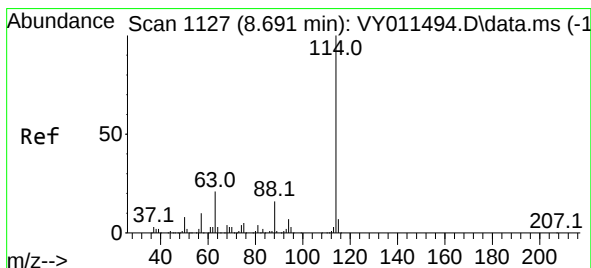
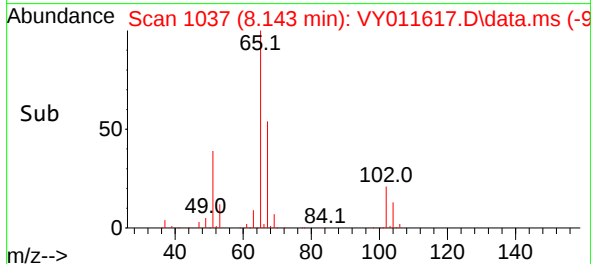
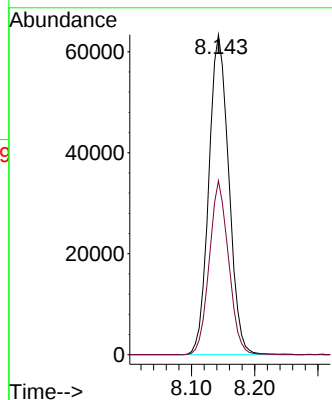
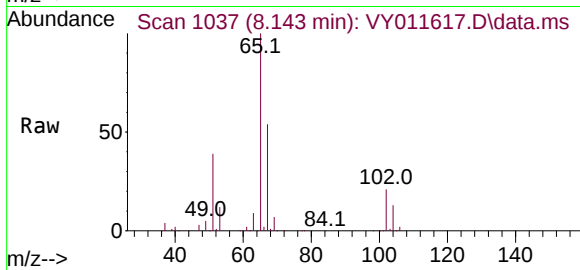
B-40-SB02

Tgt Ion: 65 Resp: 139041

Ion Ratio Lower Upper

65 100

67 52.5 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: VY011617.D

Acq: 29 Nov 2022 13:13

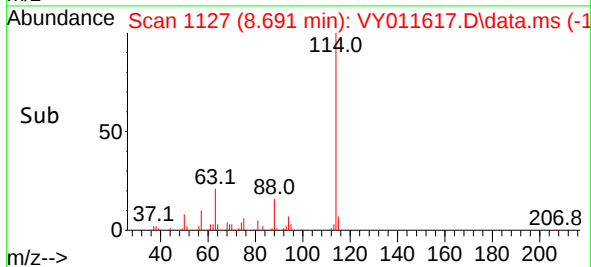
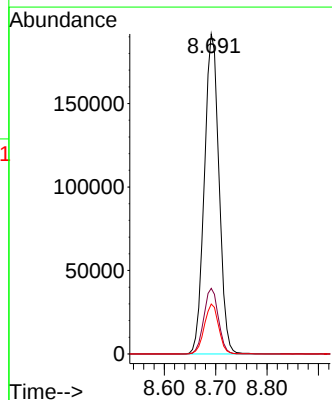
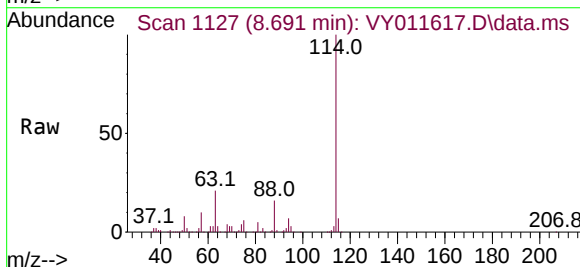
Tgt Ion: 114 Resp: 379022

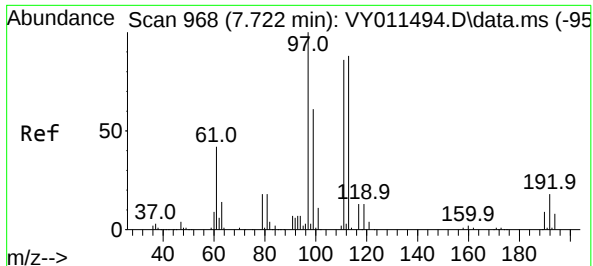
Ion Ratio Lower Upper

114 100

63 20.5 0.0 43.2

88 15.6 0.0 31.8





#35

Dibromofluoromethane

Concen: 52.261 ug/l

RT: 7.722 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY011617.D

Acq: 29 Nov 2022 13:13

Instrument :

MSVOA_Y

ClientSampleId :

B-40-SB02

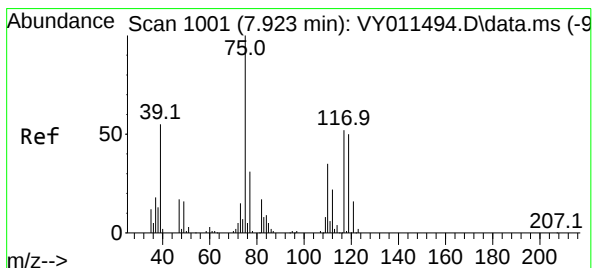
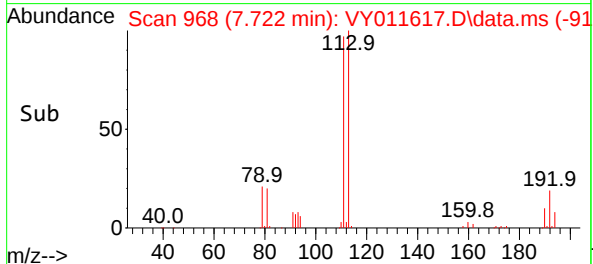
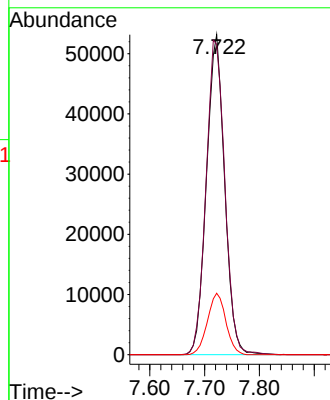
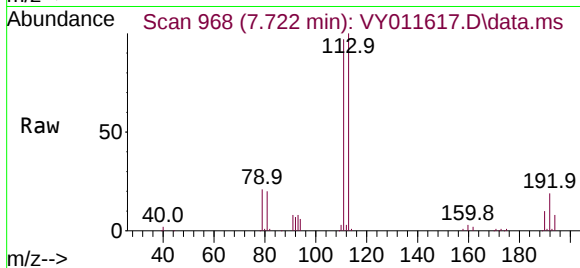
Tgt Ion:113 Resp: 121937

Ion Ratio Lower Upper

113 100

111 102.0 82.6 124.0

192 19.5 17.6 26.4



#36

1,1-Dichloropropene

Concen: 4.509 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.128 min

Lab File: VY011617.D

Acq: 29 Nov 2022 13:13

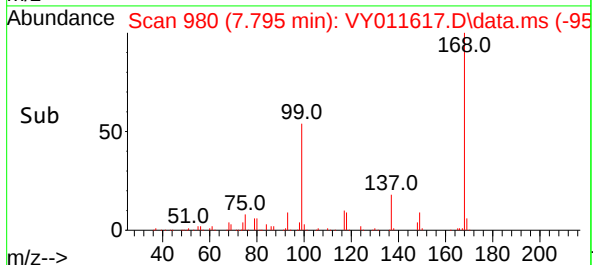
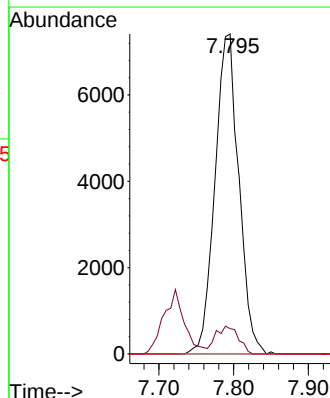
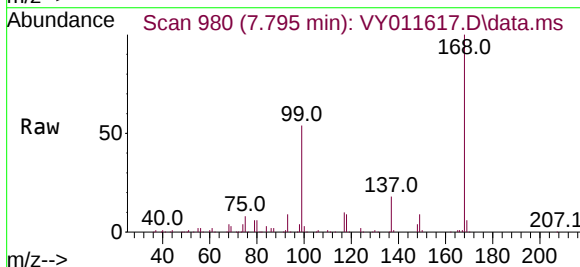
Tgt Ion: 75 Resp: 16444

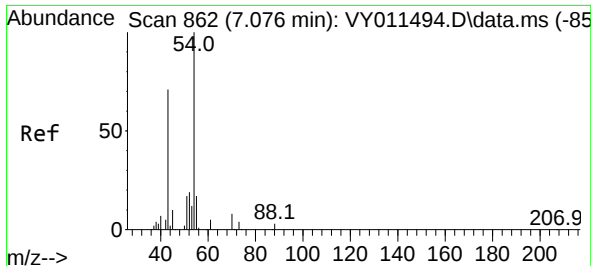
Ion Ratio Lower Upper

75 100

110 8.2 17.1 51.2#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.814 ug/l

RT: 7.003 min Scan# 81

Delta R.T. -0.073 min

Lab File: VY011617.D

Acq: 29 Nov 2022 13:13

Instrument :

MSVOA_Y

ClientSampleId :

B-40-SB02

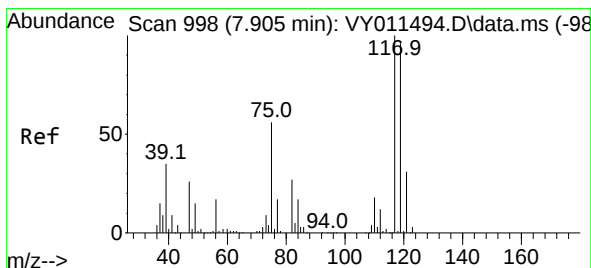
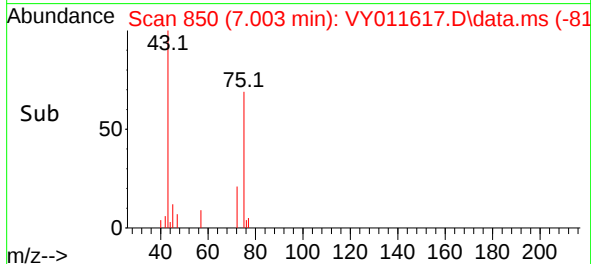
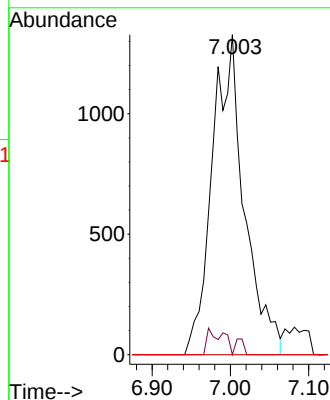
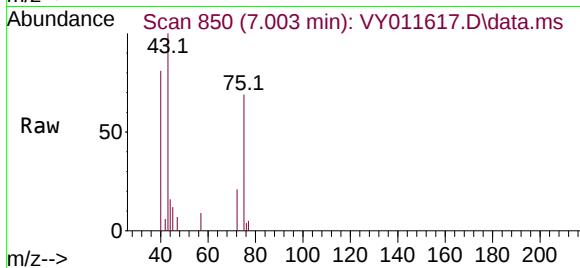
Tgt Ion: 43 Resp: 3768

Ion Ratio Lower Upper

43 100

61 1.3 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.118 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY011617.D

Acq: 29 Nov 2022 13:13

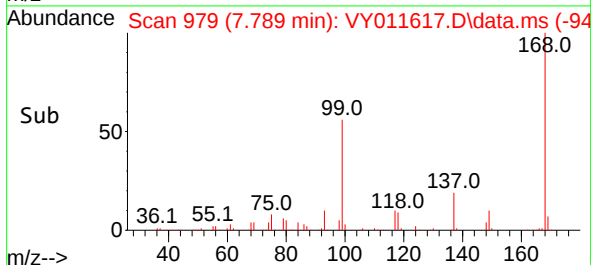
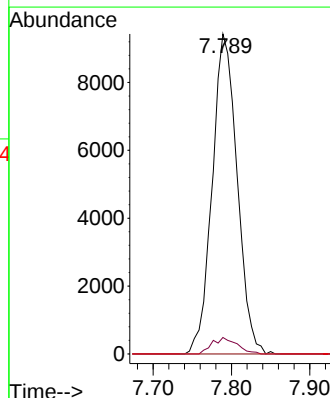
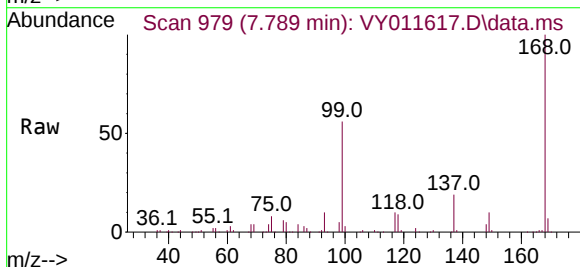
Tgt Ion: 117 Resp: 20884

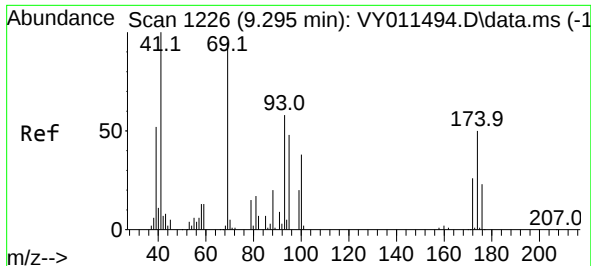
Ion Ratio Lower Upper

117 100

119 5.2 77.9 116.9#

121 0.0 24.8 37.2#





#49

1,4-Dioxane

Concen: 2.393 ug/l

RT: 9.319 min Scan# 11

Delta R.T. 0.024 min

Lab File: VY011617.D

Acq: 29 Nov 2022 13:13

Instrument :

MSVOA_Y

ClientSampleId :

B-40-SB02

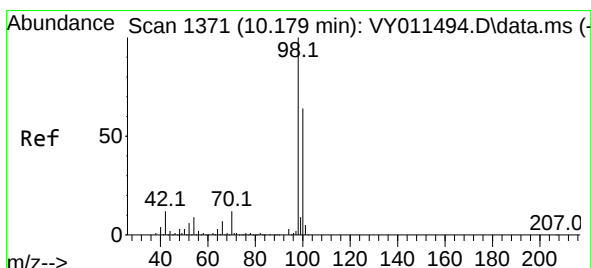
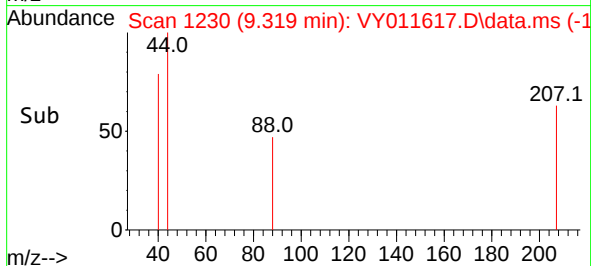
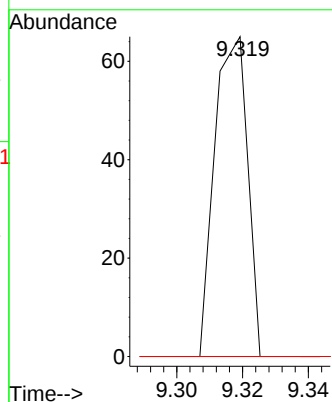
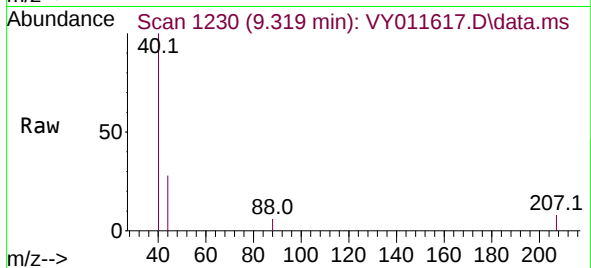
Tgt Ion: 88 Resp: 45

Ion Ratio Lower Upper

88 100

43 0.0 32.8 49.2#

58 0.0 59.8 89.6#



#50

Toluene-d8

Concen: 54.054 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY011617.D

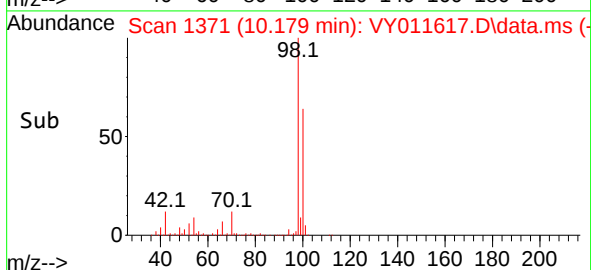
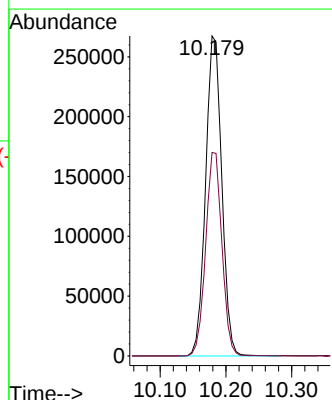
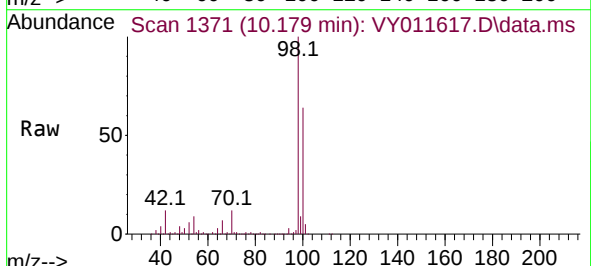
Acq: 29 Nov 2022 13:13

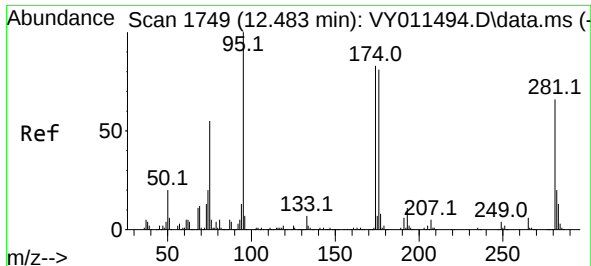
Tgt Ion: 98 Resp: 458310

Ion Ratio Lower Upper

98 100

100 63.9 50.2 75.2

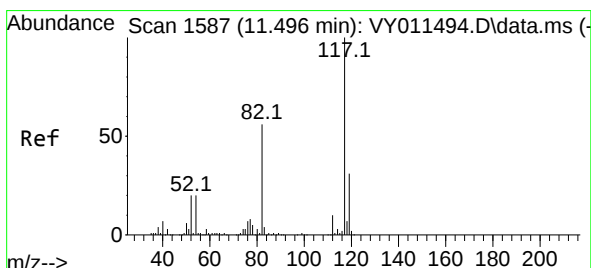
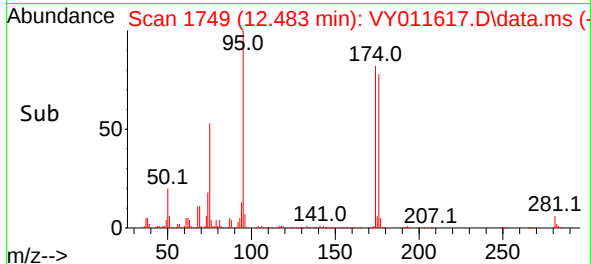
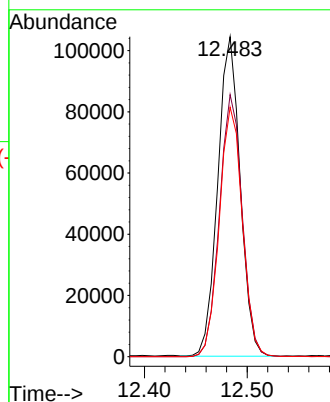
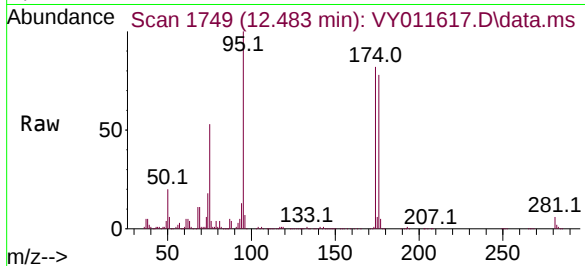




#62
4-Bromofluorobenzene
Concen: 50.326 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011617.D
Acq: 29 Nov 2022 13:13

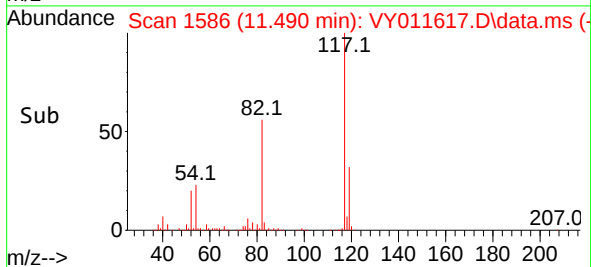
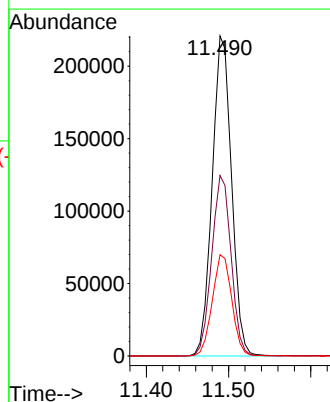
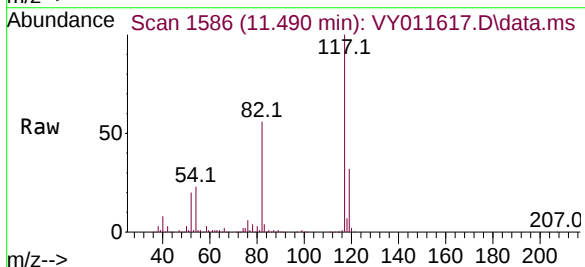
Instrument :
MSVOA_Y
ClientSampleId :
B-40-SB02

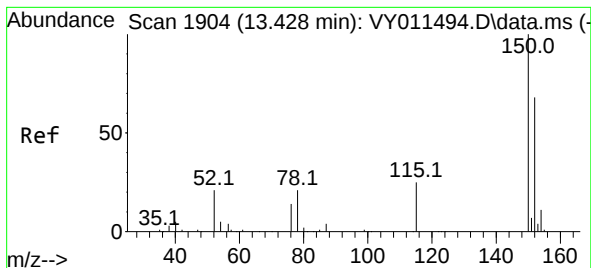
Tgt Ion: 95 Resp: 157766
Ion Ratio Lower Upper
95 100
174 83.4 0.0 177.0
176 80.4 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY011617.D
Acq: 29 Nov 2022 13:13

Tgt Ion: 117 Resp: 360942
Ion Ratio Lower Upper
117 100
82 56.4 43.0 64.4
119 31.7 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: VY011617.D

Acq: 29 Nov 2022 13:13

Instrument :

MSVOA_Y

ClientSampleId :

B-40-SB02

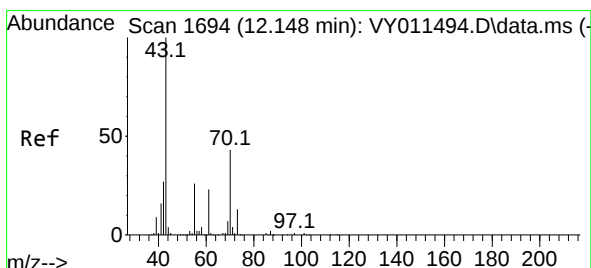
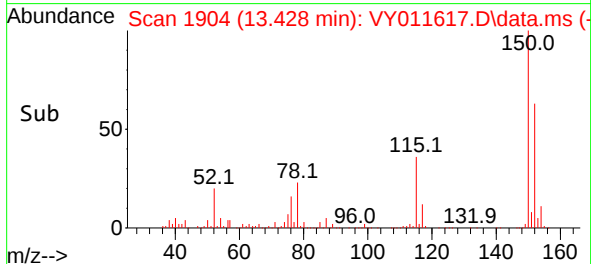
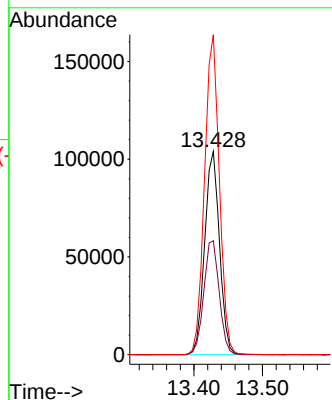
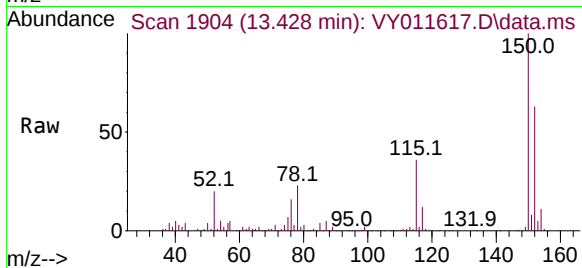
Tgt Ion:152 Resp: 156768

Ion Ratio Lower Upper

152 100

115 58.4 28.2 84.7

150 157.5 0.0 347.6



#74

N-ethyl acetate

Concen: 1.443 ug/l

RT: 12.124 min Scan# 1690

Delta R.T. -0.024 min

Lab File: VY011617.D

Acq: 29 Nov 2022 13:13

Tgt Ion: 43 Resp: 4041

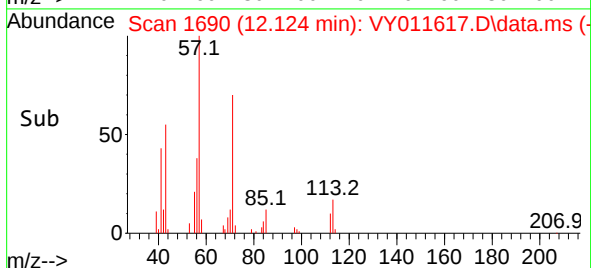
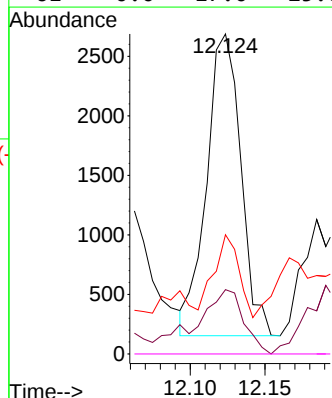
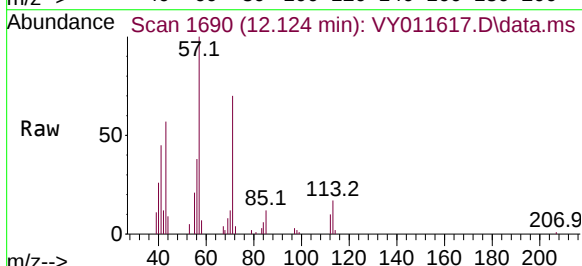
Ion Ratio Lower Upper

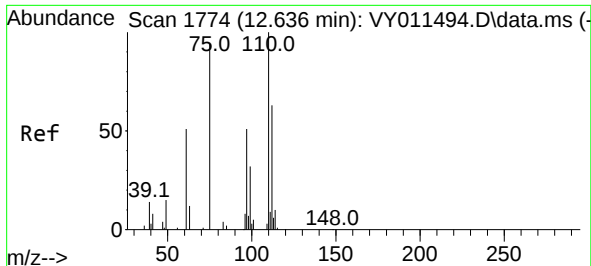
43 100

70 29.9 28.7 43.1

55 19.8 17.3 25.9

61 0.0 17.0 25.6#

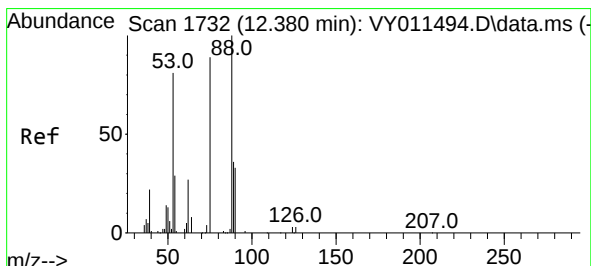
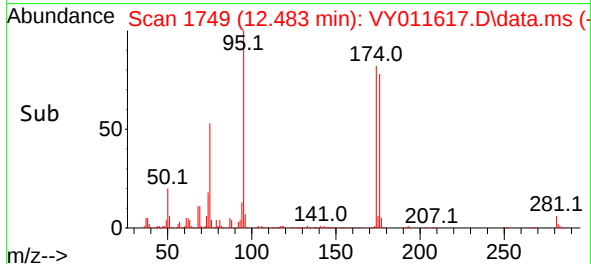
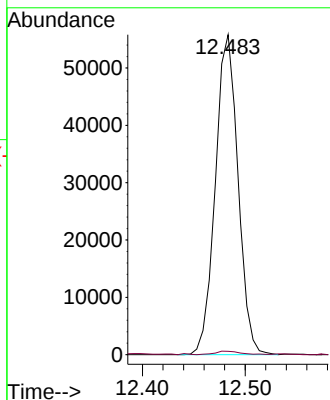
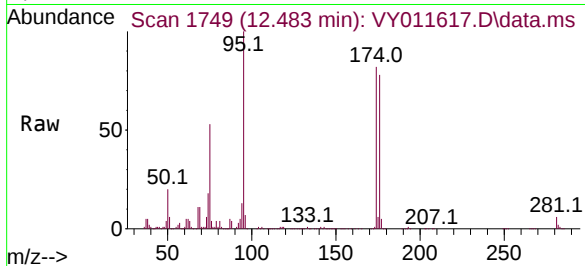




#76
1,2,3-Trichloropropane
Concen: 50.557 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011617.D
Acq: 29 Nov 2022 13:13

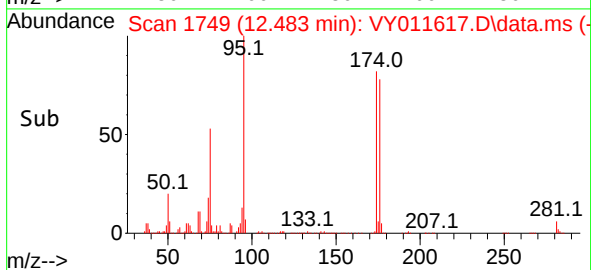
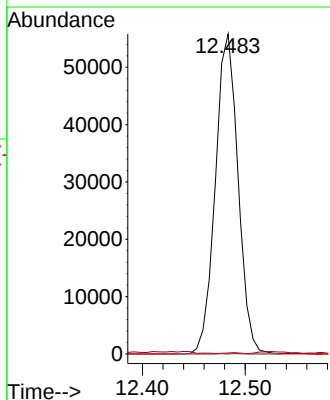
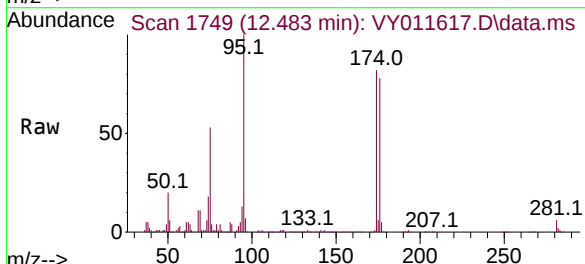
Instrument :
MSVOA_Y
ClientSampleId :
B-40-SB02

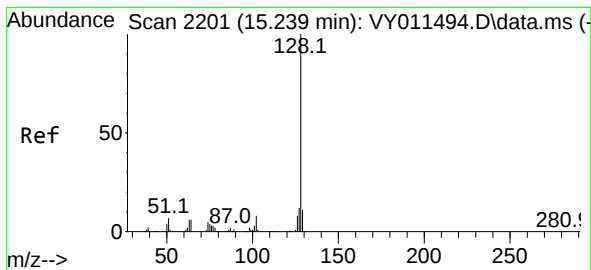
Tgt Ion: 75 Resp: 85354
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 110.736 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011617.D
Acq: 29 Nov 2022 13:13

Tgt Ion: 75 Resp: 85354
Ion Ratio Lower Upper
75 100
53 0.2 85.3 127.9#
89 0.1 37.0 55.4#





#95
Naphthalene
Concen: 4.376 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY011617.D
Acq: 29 Nov 2022 13:13

Instrument :
MSVOA_Y
ClientSampleId :
B-40-SB02

Tgt Ion:128 Resp: 2150
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 11.2 8.4 12.6

