

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020924\
 Data File : VY017337.D
 Acq On : 09 Feb 2024 14:20
 Operator : SY/MD
 Sample : P1414-06
 Misc : 6.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-9(10-11)

Quant Time: Feb 09 22:03:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020124S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 02 00:56:04 2024
 Response via : Initial Calibration

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

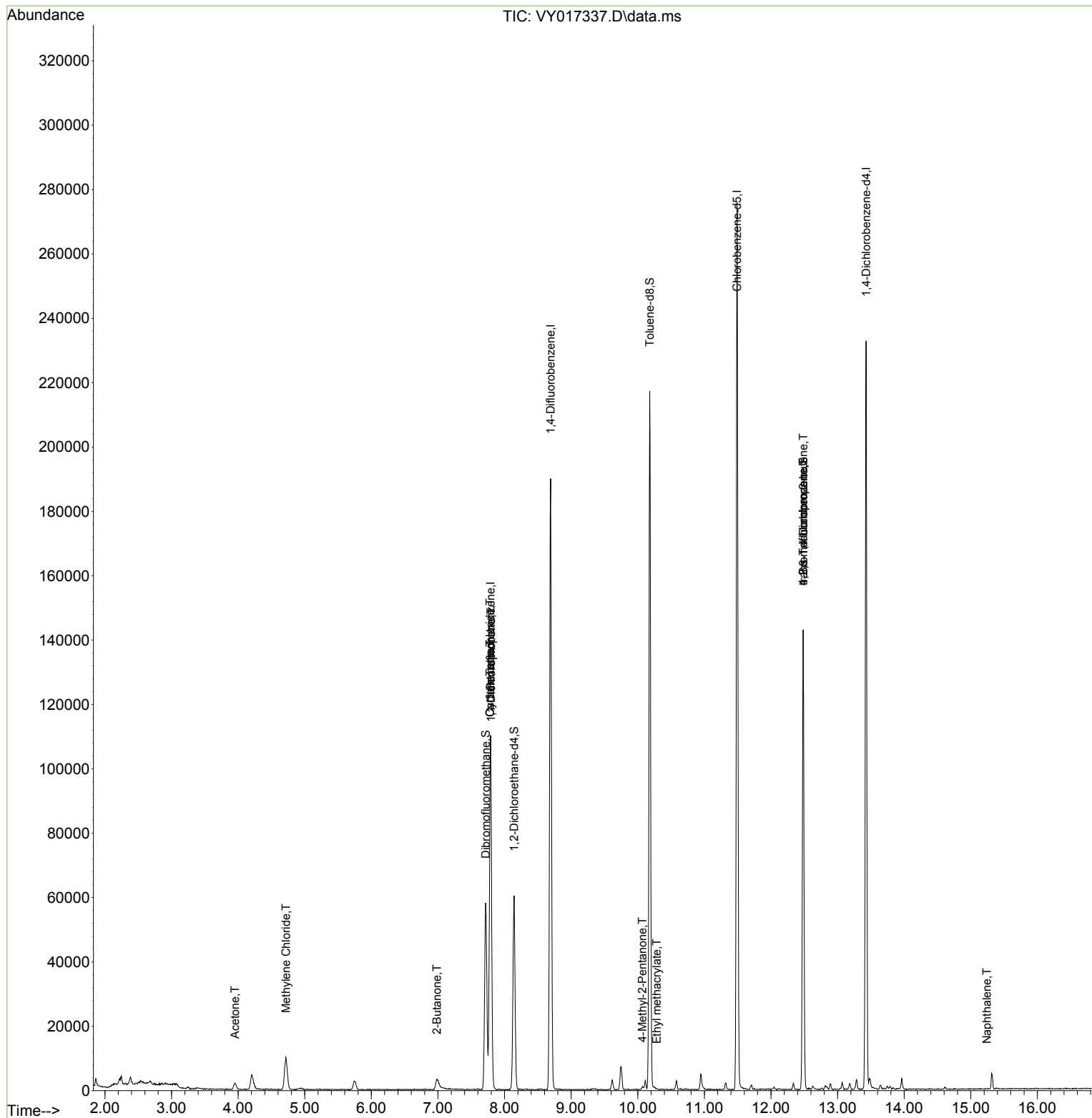
Internal Standards						
1) Pentafluorobenzene	7.789	168	83954	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	162039	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	147872	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.428	152	57686	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	43207	57.610	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 115.220%	
35) Dibromofluoromethane	7.716	113	41566	47.509	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 95.020%	
50) Toluene-d8	10.179	98	141496	44.419	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 88.840%	
62) 4-Bromofluorobenzene	12.483	95	41072	39.360	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 78.720%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	293	Below Cal	#	75
16) Acetone	3.954	43	3603	16.345	ug/l #	79
20) Methylene Chloride	4.716	84	7170	4.773	ug/l	93
25) 2-Butanone	6.984	43	1810	6.177	ug/l #	75
31) Cyclohexane	7.783	56	1943	1.285	ug/l #	17
36) 1,1-Dichloropropene	7.795	75	7061	4.679	ug/l #	50
38) Carbon Tetrachloride	7.783	117	8432	5.835	ug/l #	17
51) 4-Methyl-2-Pentanone	10.069	43	801	1.206	ug/l	96
56) Ethyl methacrylate	10.283	69	20	3.022	ug/l #	27
76) 1,2,3-Trichloropropane	12.483	75	22124	41.553	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	22124	86.341	ug/l #	12
95) Naphthalene	15.239	128	156	3.518	ug/l #	69

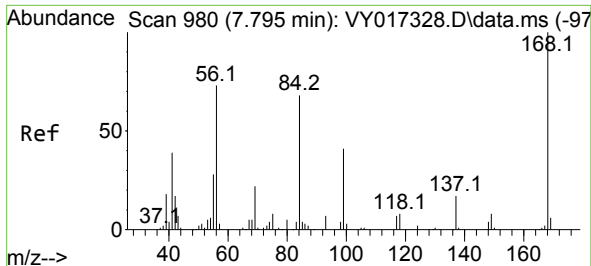
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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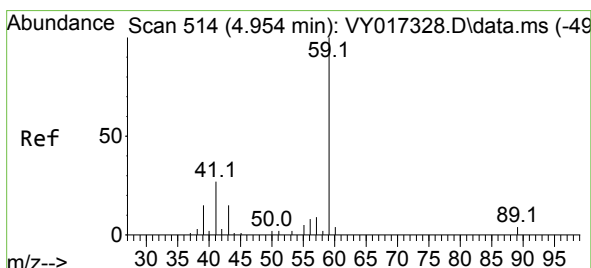
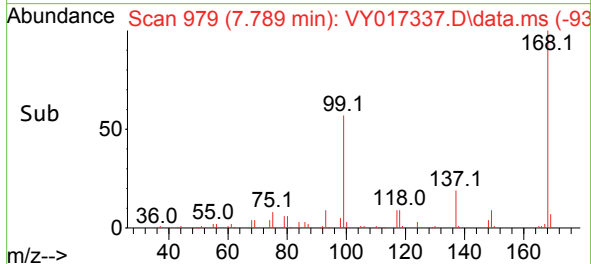
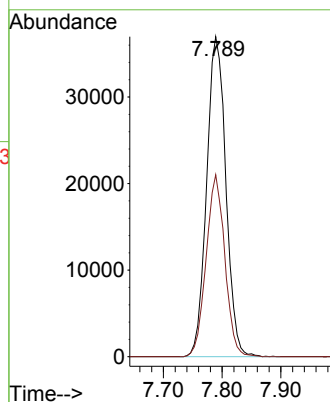
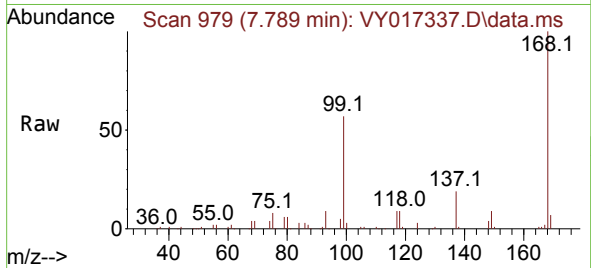




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017337.D
Acq: 09 Feb 2024 14:20

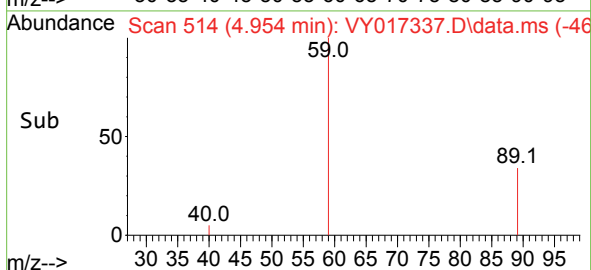
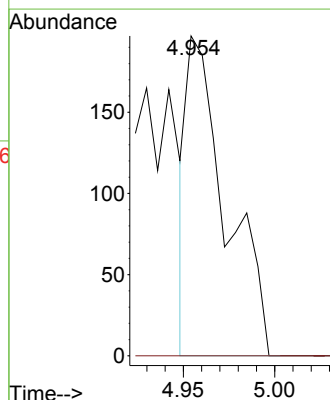
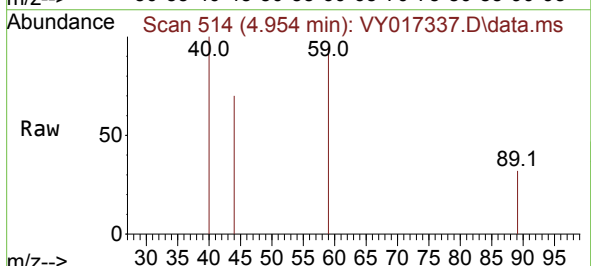
Instrument :
MSVOA_Y
ClientSampleId :
SB-9(10-11)

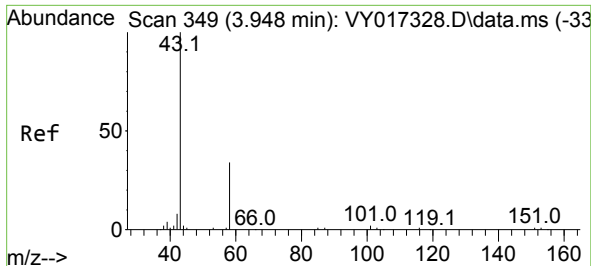
Tgt Ion:168 Resp: 83954
Ion Ratio Lower Upper
168 100
99 56.9 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. -0.006 min
Lab File: VY017337.D
Acq: 09 Feb 2024 14:20

Tgt Ion: 59 Resp: 293
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: 16.345 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.007 min

Lab File: VY017337.D

Acq: 09 Feb 2024 14:20

Instrument :

MSVOA_Y

ClientSampleId :

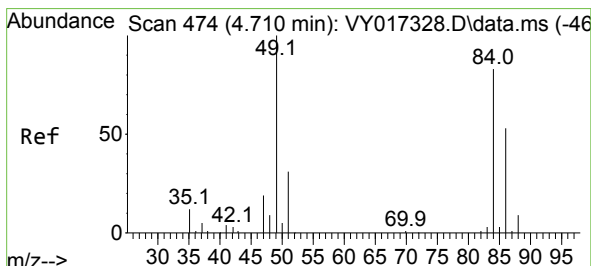
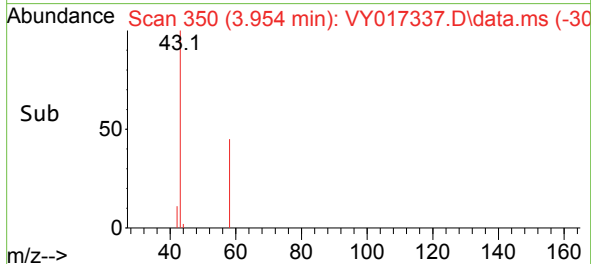
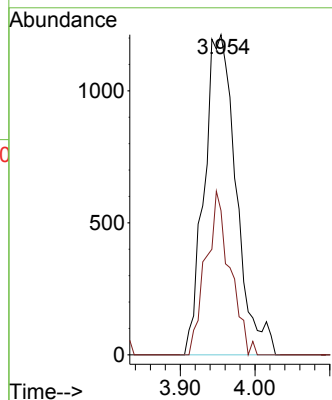
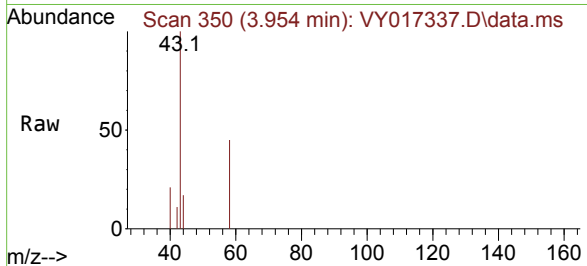
SB-9(10-11)

Tgt Ion: 43 Resp: 3603

Ion Ratio Lower Upper

43 100

58 45.0 26.6 39.8#



#20

Methylene Chloride

Concen: 4.773 ug/l

RT: 4.716 min Scan# 475

Delta R.T. -0.012 min

Lab File: VY017337.D

Acq: 09 Feb 2024 14:20

Tgt Ion: 84 Resp: 7170

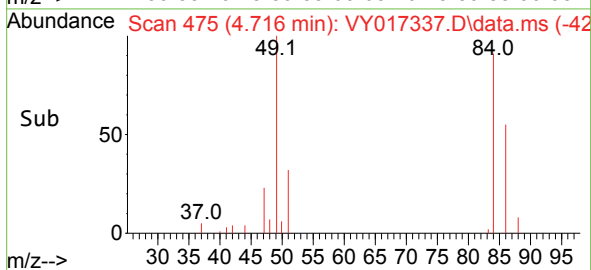
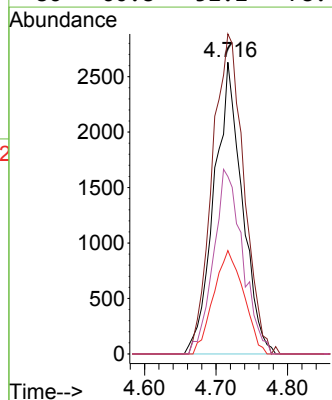
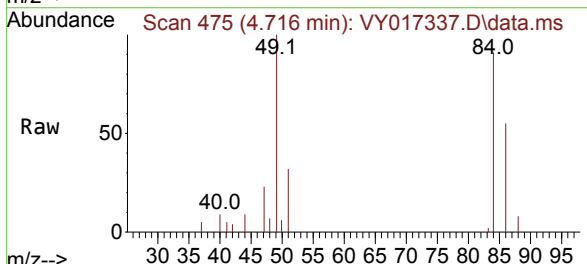
Ion Ratio Lower Upper

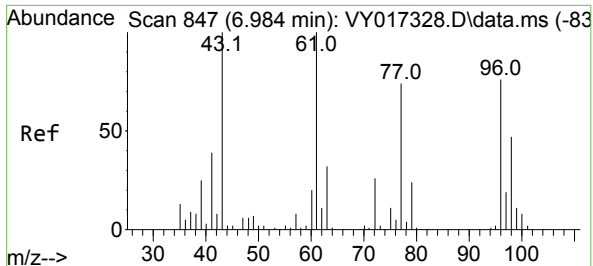
84 100

49 109.7 95.2 142.8

51 35.4 29.9 44.9

86 60.8 52.2 78.4





#25

2-Butanone

Concen: 6.177 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.006 min

Lab File: VY017337.D

Acq: 09 Feb 2024 14:20

Instrument :

MSVOA_Y

ClientSampleId :

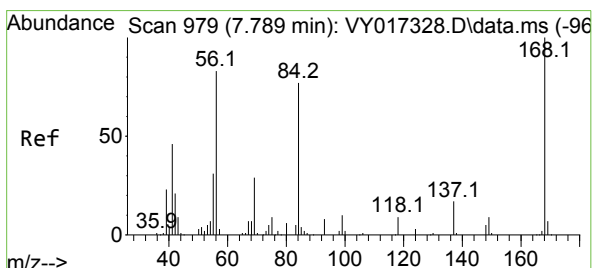
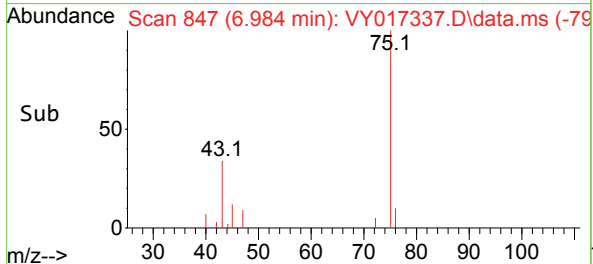
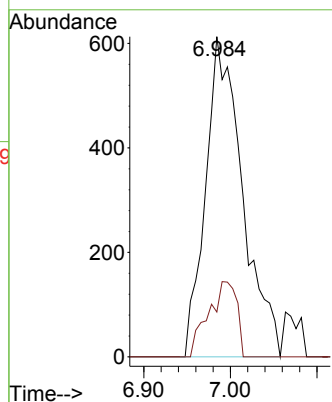
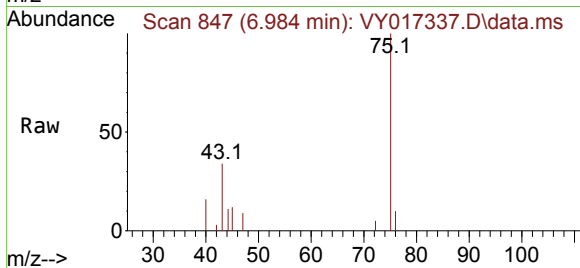
SB-9(10-11)

Tgt Ion: 43 Resp: 1810

Ion Ratio Lower Upper

43 100

72 14.0 21.4 32.2#



#31

Cyclohexane

Concen: 1.285 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.012 min

Lab File: VY017337.D

Acq: 09 Feb 2024 14:20

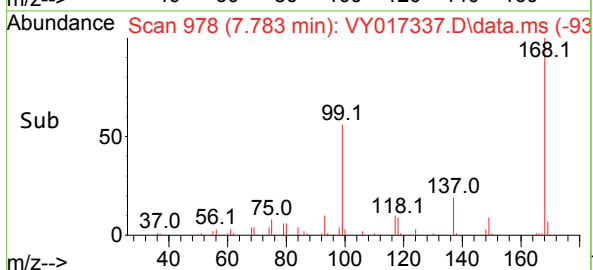
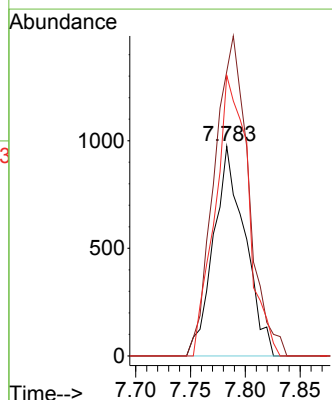
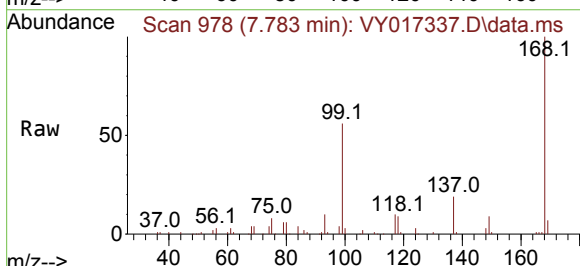
Tgt Ion: 56 Resp: 1943

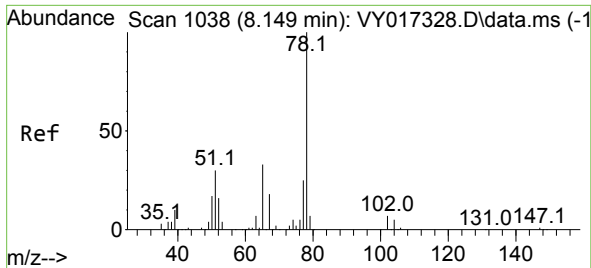
Ion Ratio Lower Upper

56 100

69 135.7 27.0 40.6#

84 133.8 71.8 107.6#

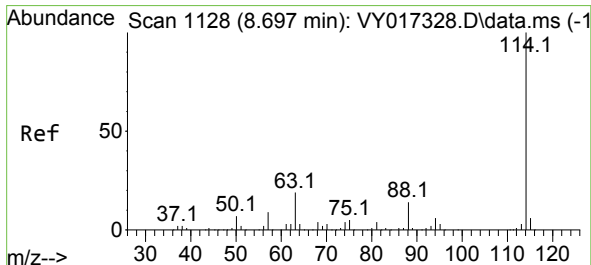
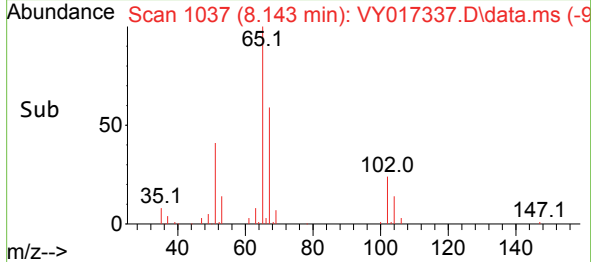
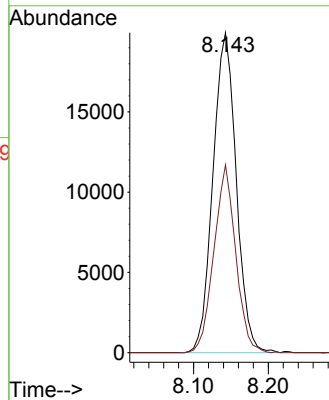
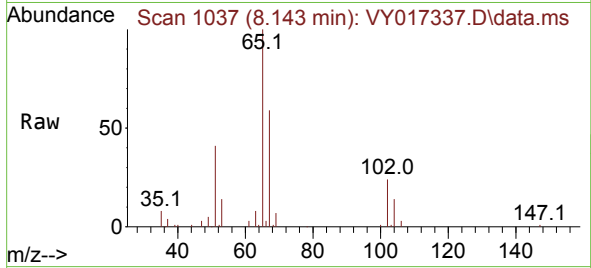




#33
 1,2-Dichloroethane-d4
 Concen: 57.610 ug/l
 RT: 8.143 min Scan# 110
 Delta R.T. -0.006 min
 Lab File: VY017337.D
 Acq: 09 Feb 2024 14:20

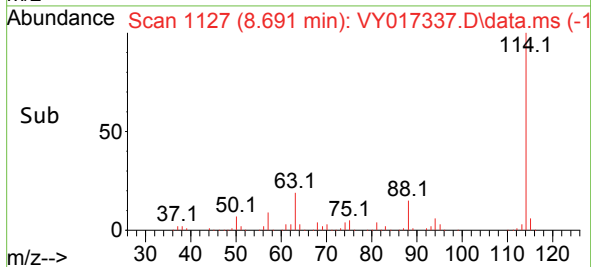
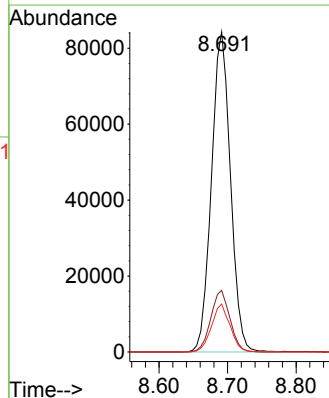
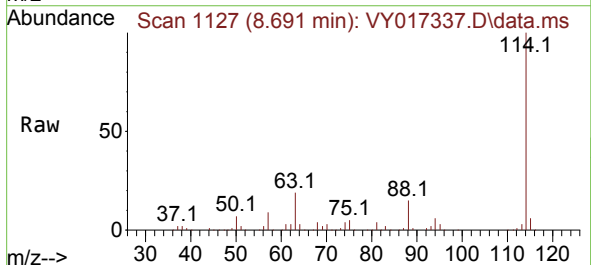
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-9(10-11)

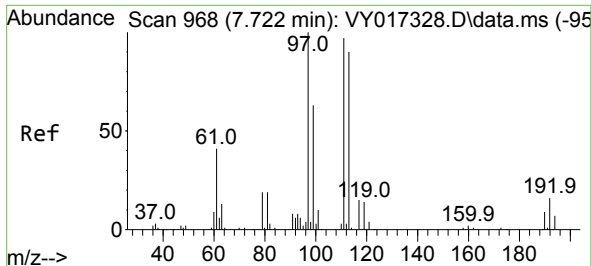
Tgt Ion: 65 Resp: 43207
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. -0.006 min
 Lab File: VY017337.D
 Acq: 09 Feb 2024 14:20

Tgt Ion: 114 Resp: 162039
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 37.4
 88 15.0 0.0 29.0

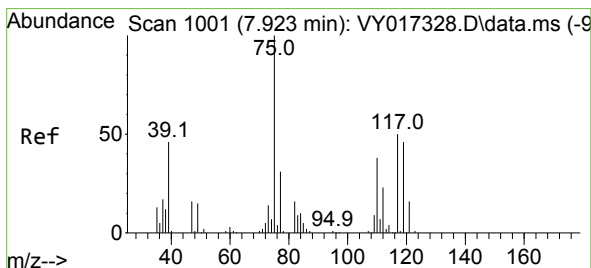
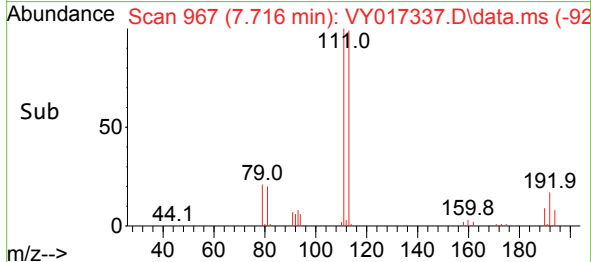
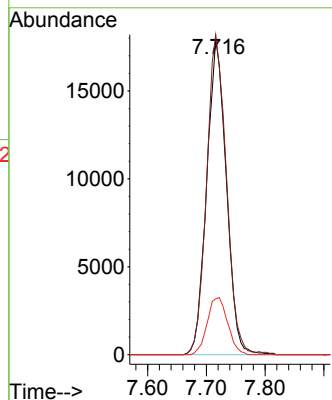
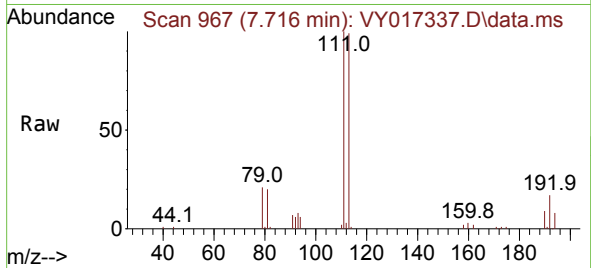




#35
Dibromofluoromethane
Concen: 47.509 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.012 min
Lab File: VY017337.D
Acq: 09 Feb 2024 14:20

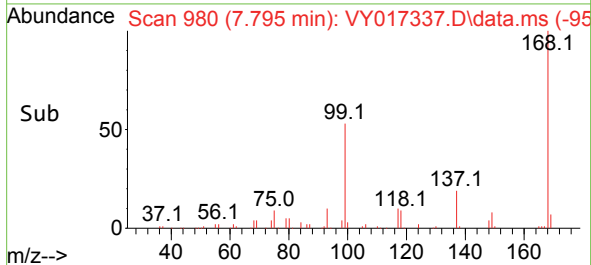
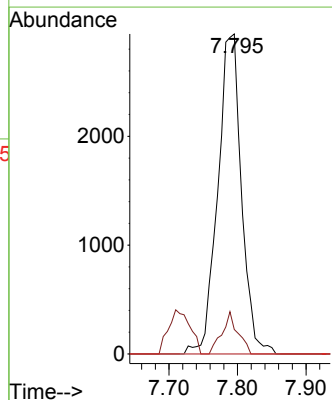
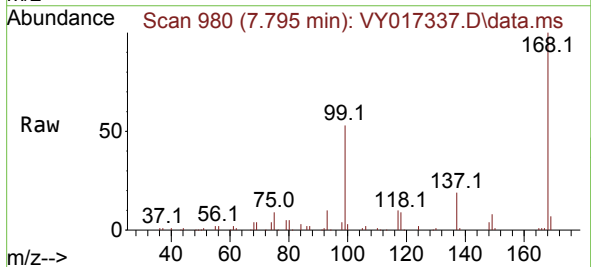
Instrument :
MSVOA_Y
ClientSampleId :
SB-9(10-11)

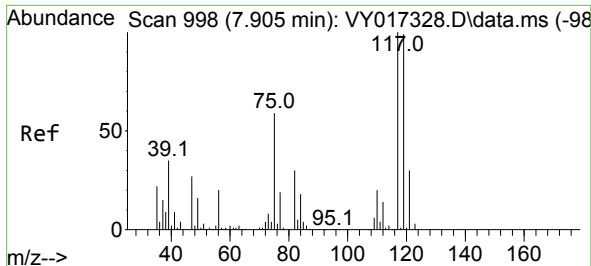
Tgt Ion:113 Resp: 41566
Ion Ratio Lower Upper
113 100
111 102.9 83.8 125.6
192 18.9 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.679 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY017337.D
Acq: 09 Feb 2024 14:20

Tgt Ion: 75 Resp: 7061
Ion Ratio Lower Upper
75 100
110 8.8 17.4 52.3#
77 0.0 24.7 37.1#

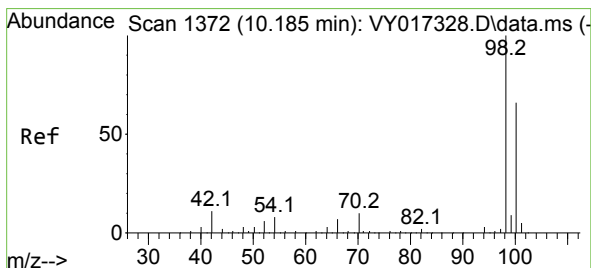
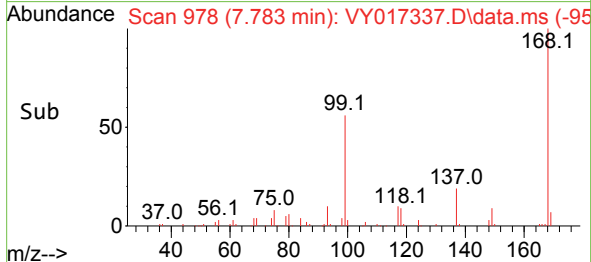
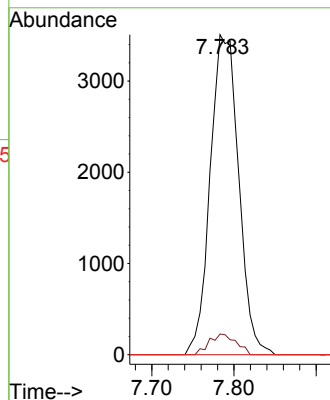
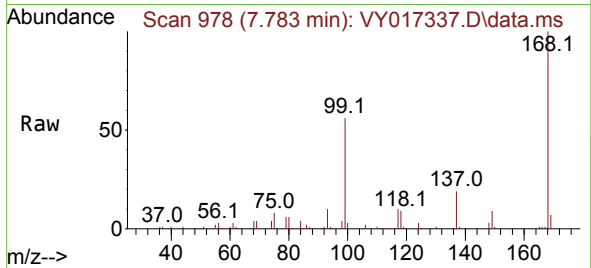




#38
Carbon Tetrachloride
Concen: 5.835 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY017337.D
Acq: 09 Feb 2024 14:20

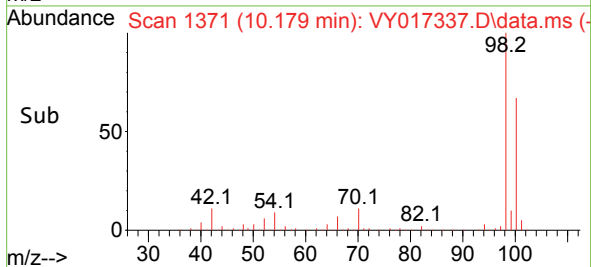
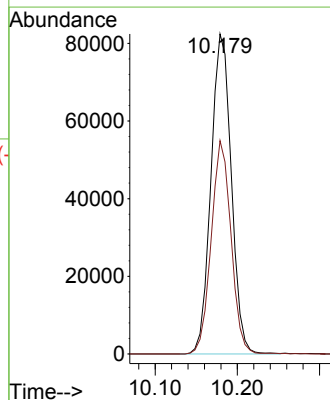
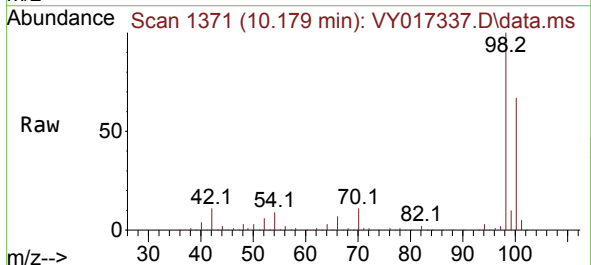
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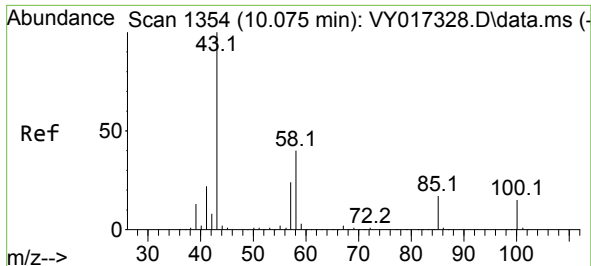
Tgt Ion:117 Resp: 8432
Ion Ratio Lower Upper
117 100
119 6.4 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 44.419 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY017337.D
Acq: 09 Feb 2024 14:20

Tgt Ion: 98 Resp: 141496
Ion Ratio Lower Upper
98 100
100 65.1 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 1.206 ug/l

RT: 10.069 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY017337.D

Acq: 09 Feb 2024 14:20

Instrument :

MSVOA_Y

ClientSampleId :

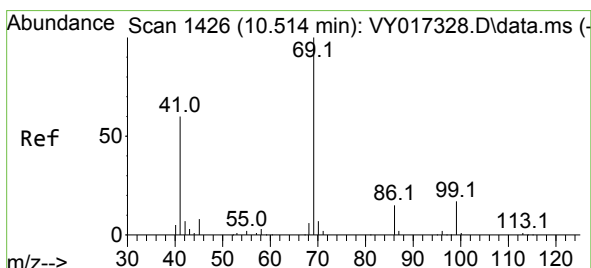
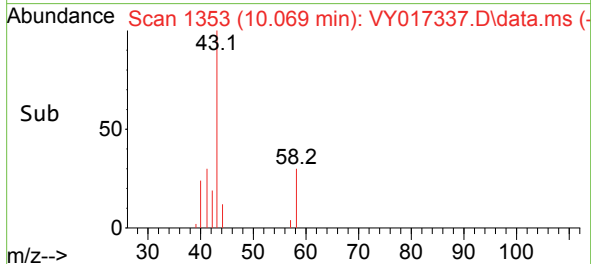
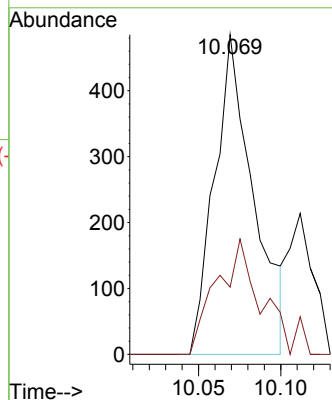
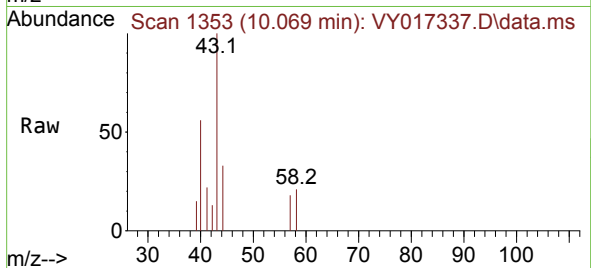
SB-9(10-11)

Tgt Ion: 43 Resp: 801

Ion Ratio Lower Upper

43 100

58 42.4 32.2 48.2



#56

Ethyl methacrylate

Concen: 3.022 ug/l

RT: 10.283 min Scan# 1388

Delta R.T. -0.237 min

Lab File: VY017337.D

Acq: 09 Feb 2024 14:20

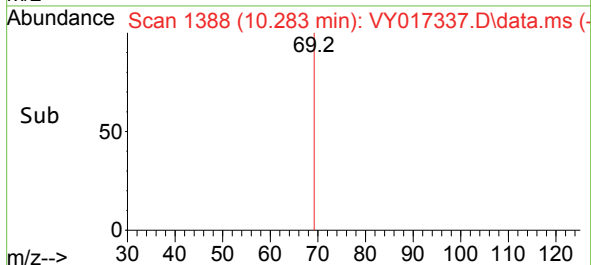
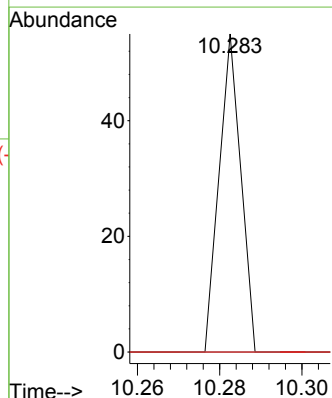
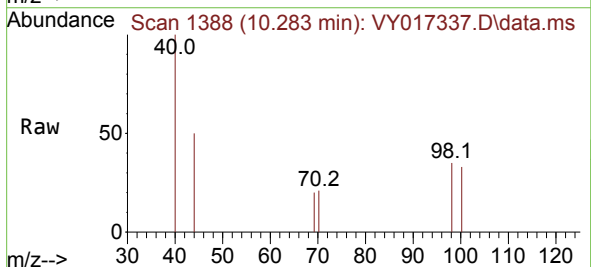
Tgt Ion: 69 Resp: 20

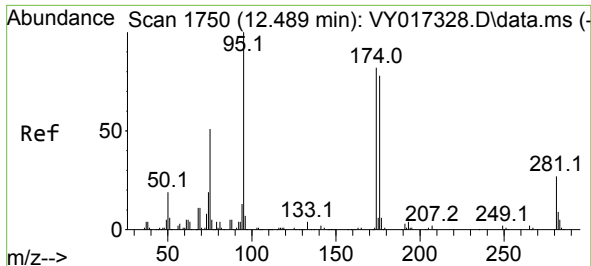
Ion Ratio Lower Upper

69 100

41 0.0 49.2 73.8#

39 0.0 26.8 40.2#

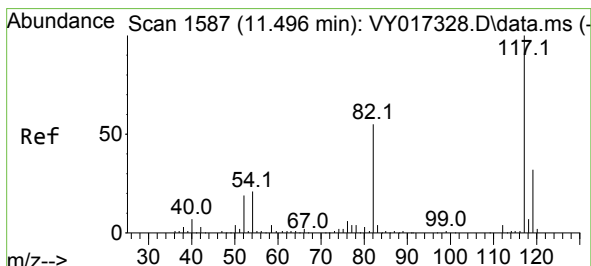
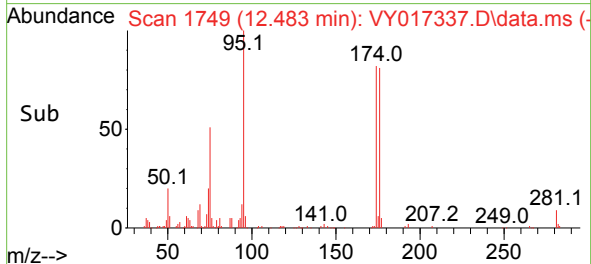
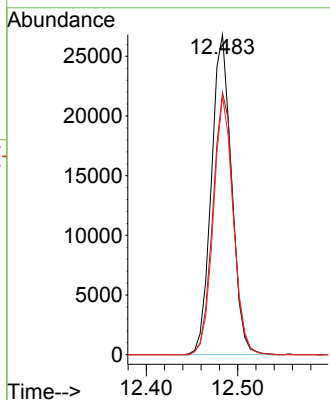
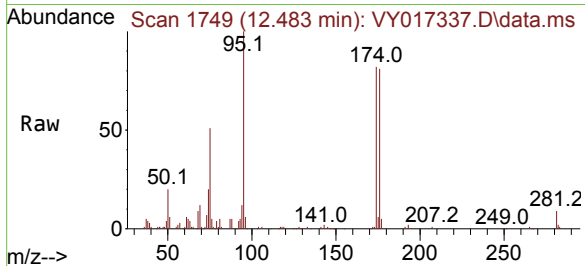




#62
4-Bromofluorobenzene
Concen: 39.360 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VY017337.D
Acq: 09 Feb 2024 14:20

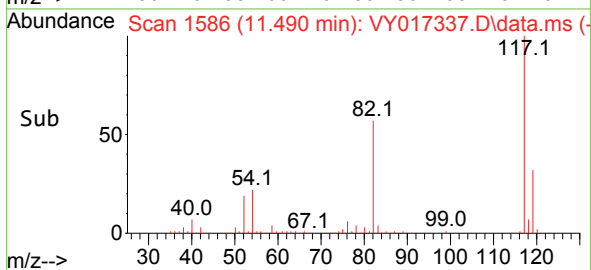
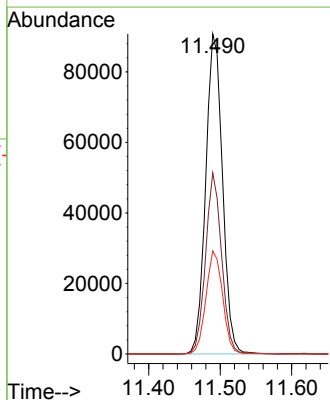
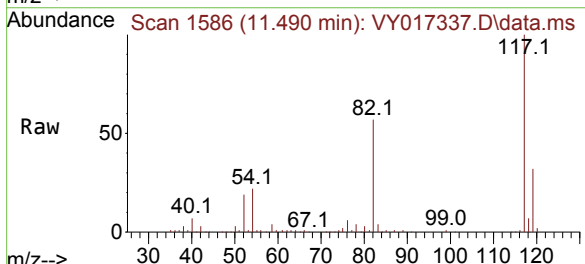
Instrument :
MSVOA_Y
ClientSampleId :
SB-9(10-11)

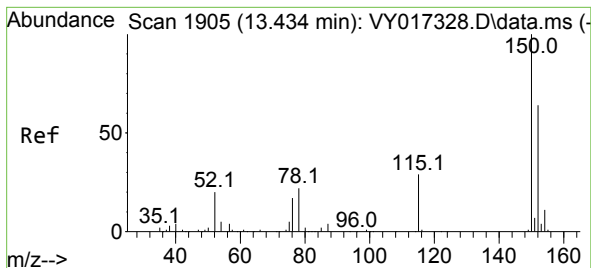
Tgt Ion:	95	Resp:	41072
Ion	Ratio	Lower	Upper
95	100		
174	83.4	0.0	160.0
176	79.5	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.012 min
Lab File: VY017337.D
Acq: 09 Feb 2024 14:20

Tgt Ion:	117	Resp:	147872
Ion	Ratio	Lower	Upper
117	100		
82	56.6	43.8	65.8
119	32.2	26.5	39.7

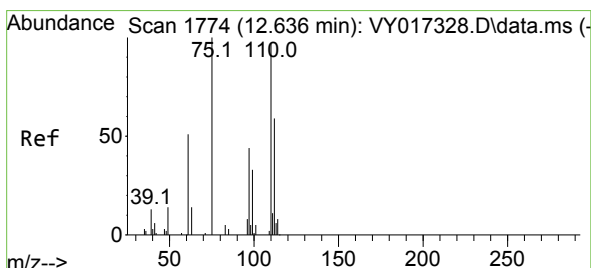
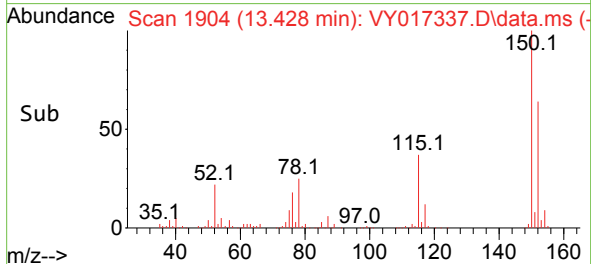
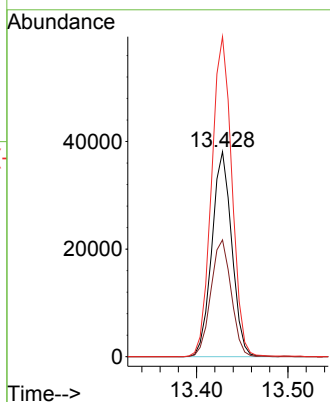
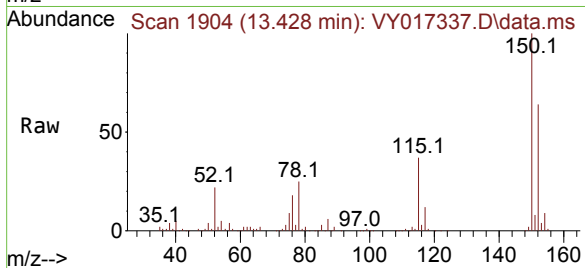




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY017337.D
Acq: 09 Feb 2024 14:20

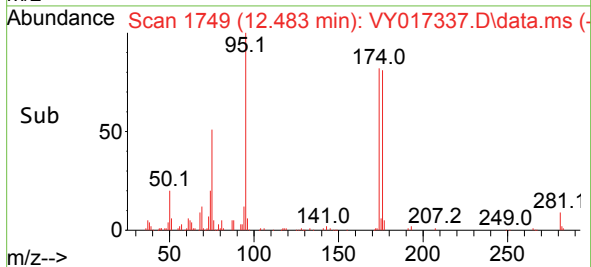
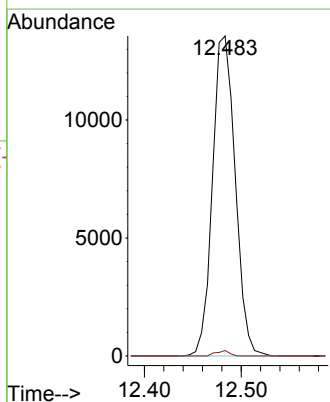
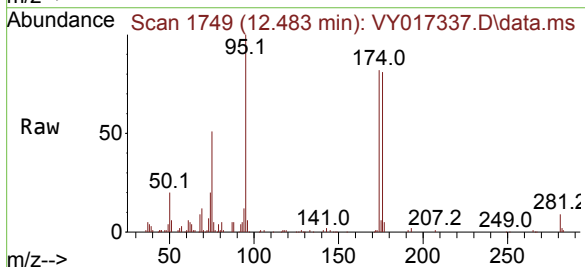
Instrument :
MSVOA_Y
ClientSampleId :
SB-9(10-11)

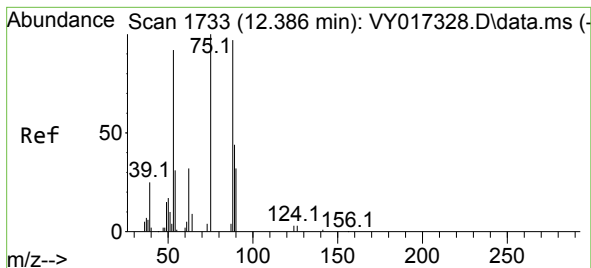
Tgt Ion:152 Resp: 57686
Ion Ratio Lower Upper
152 100
115 58.2 30.0 90.0
150 159.5 0.0 344.6



#76
1,2,3-Trichloropropane
Concen: 41.553 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.158 min
Lab File: VY017337.D
Acq: 09 Feb 2024 14:20

Tgt Ion: 75 Resp: 22124
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#

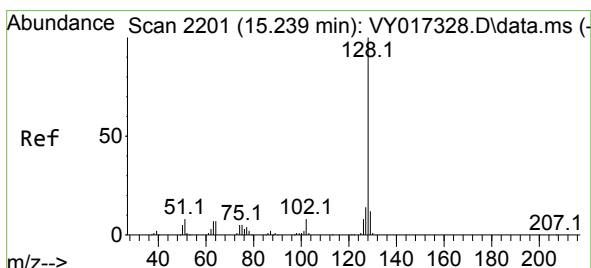
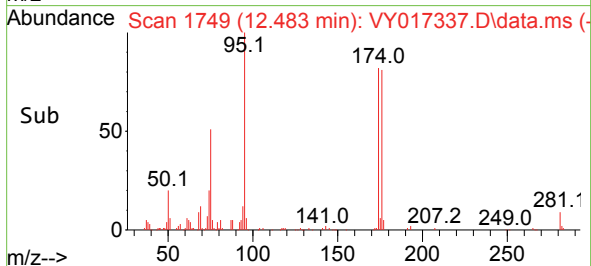
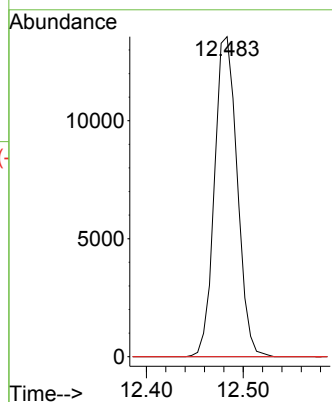
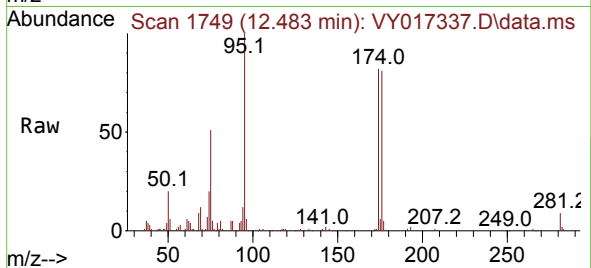




#81
trans-1,4-Dichloro-2-butene
Concen: 86.341 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY017337.D
Acq: 09 Feb 2024 14:20

Instrument :
MSVOA_Y
ClientSampleId :
SB-9(10-11)

Tgt Ion: 75 Resp: 22124
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#



#95
Naphthalene
Concen: 3.518 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.006 min
Lab File: VY017337.D
Acq: 09 Feb 2024 14:20

Tgt Ion: 128 Resp: 156
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.6 12.8#

