

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020924\
 Data File : VY017334.D
 Acq On : 09 Feb 2024 13:08
 Operator : SY/MD
 Sample : P1421-01
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11977

Quant Time: Feb 09 22:01:53 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)

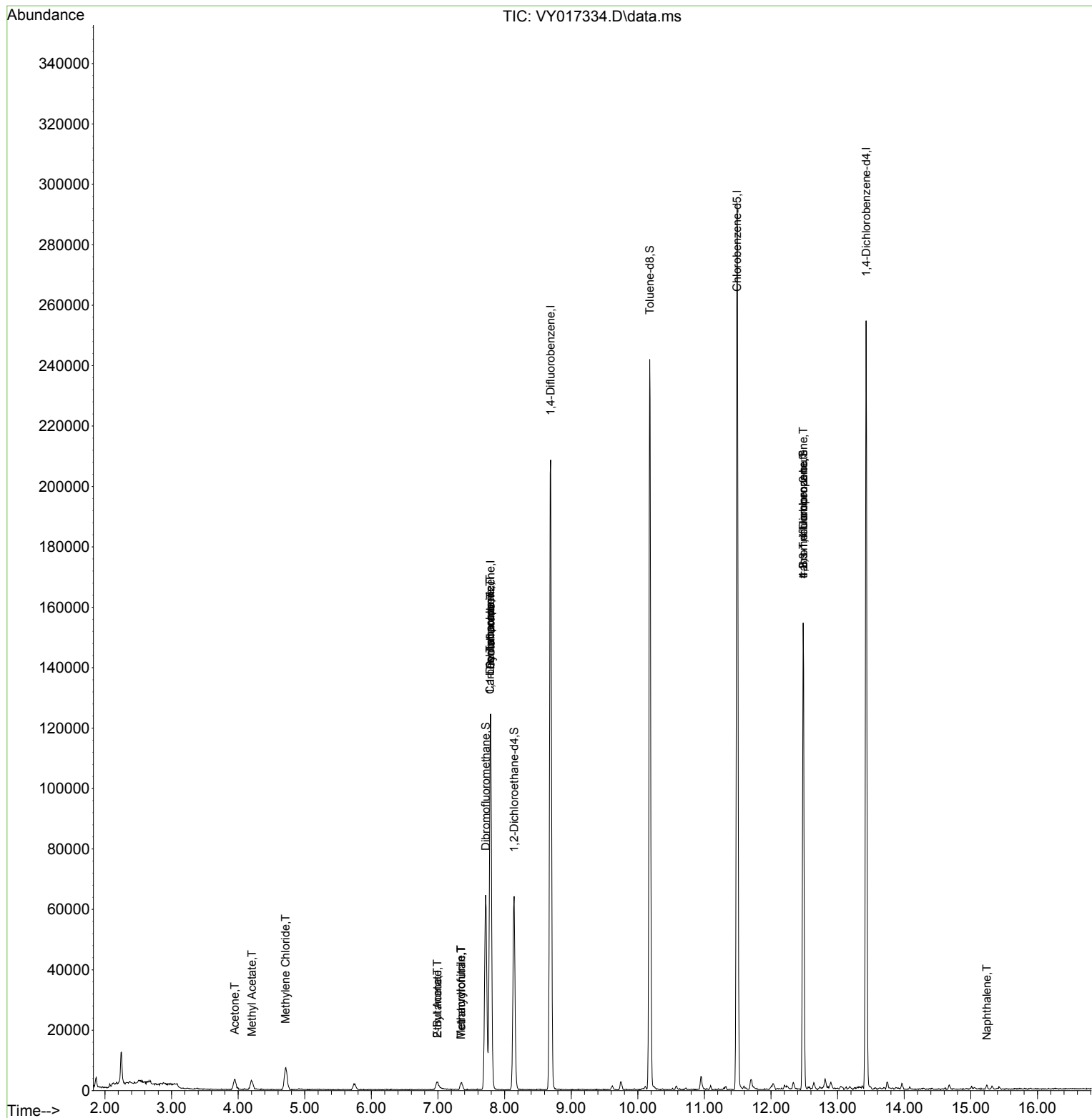
Internal Standards						
1) Pentafluorobenzene	7.789	168	94815	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	180807	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	164596	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.428	152	61583	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	47518	56.100	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.200%			
35) Dibromofluoromethane	7.716	113	46197	47.321	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 94.640%			
50) Toluene-d8	10.179	98	158300	44.536	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 89.080%			
62) 4-Bromofluorobenzene	12.483	95	45855	39.382	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 78.760%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.942	59	212	Below Cal	#	75
16) Acetone	3.948	43	6408	25.740	ug/l	91
18) Methyl Acetate	4.204	43	800	1.440	ug/l #	51
20) Methylene Chloride	4.710	84	5401	1.929	ug/l	89
25) 2-Butanone	6.990	43	2083	6.294	ug/l #	86
29) Tetrahydrofuran	7.350	42	1863	9.965	ug/l	99
31) Cyclohexane	7.789	56	2182	1.278	ug/l #	10
36) 1,1-Dichloropropene	7.783	75	8015	4.760	ug/l #	50
37) Ethyl Acetate	6.990	43	2083	2.667	ug/l #	73
38) Carbon Tetrachloride	7.783	117	9763	6.055	ug/l #	17
41) Methacrylonitrile	7.344	41	1091	2.948	ug/l #	47
76) 1,2,3-Trichloropropane	12.483	75	24552	43.195	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	24552	89.753	ug/l #	12
95) Naphthalene	15.239	128	1426	4.240	ug/l #	93

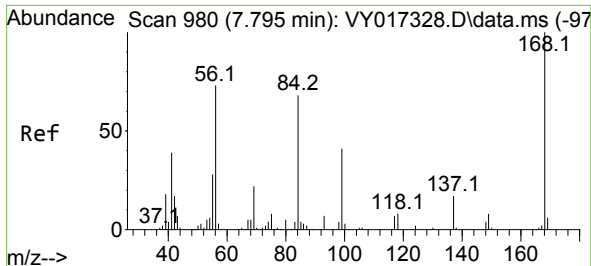
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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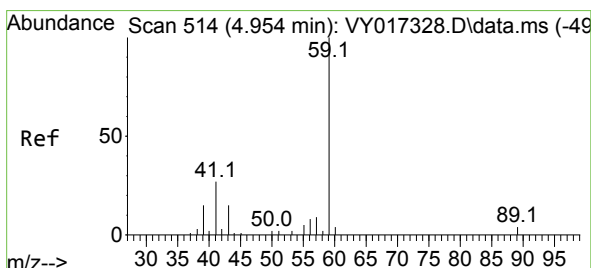
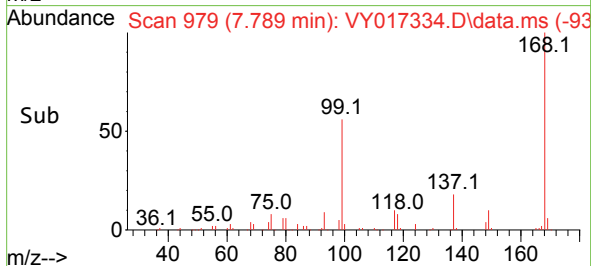
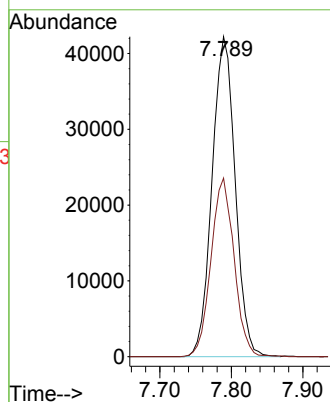
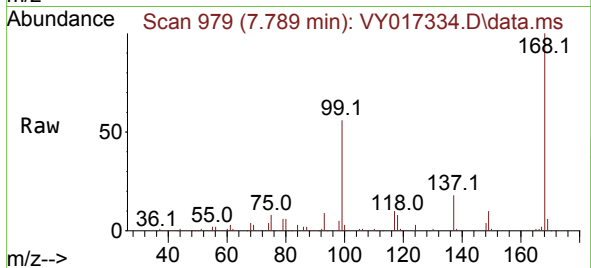




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017334.D
Acq: 09 Feb 2024 13:08

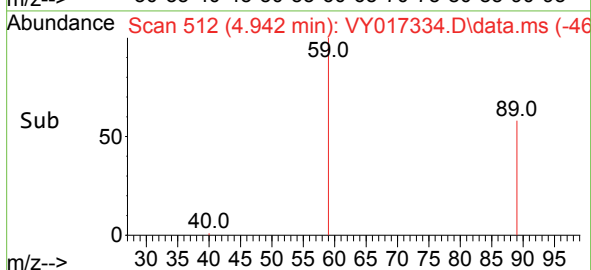
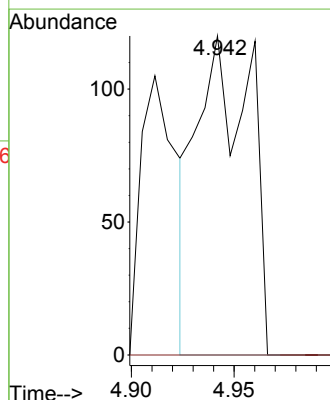
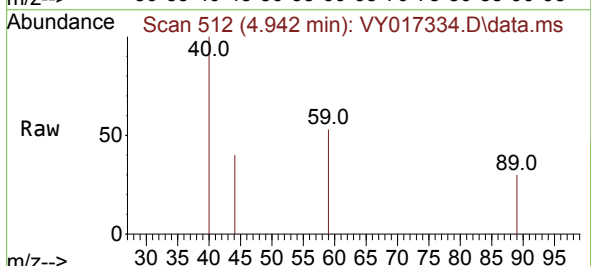
Instrument :
MSVOA_Y
ClientSampleId :
72-11977

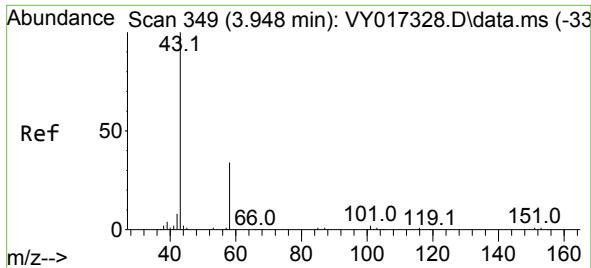
Tgt Ion:168 Resp: 94815
Ion Ratio Lower Upper
168 100
99 55.8 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.018 min
Lab File: VY017334.D
Acq: 09 Feb 2024 13:08

Tgt Ion: 59 Resp: 212
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#

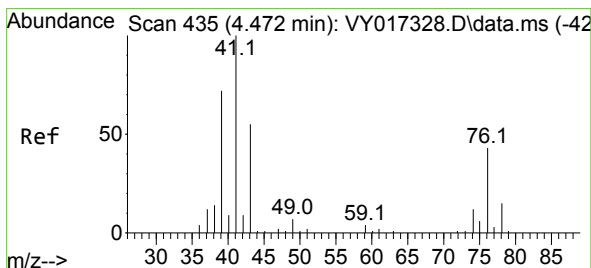
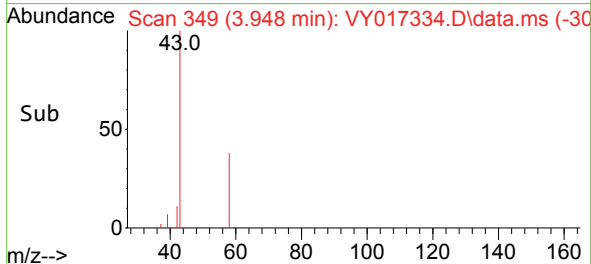
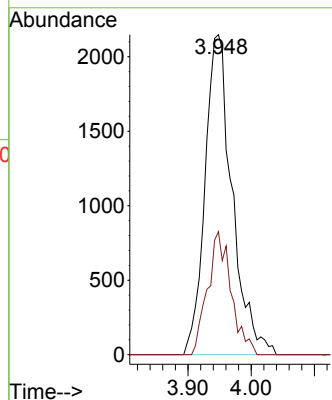
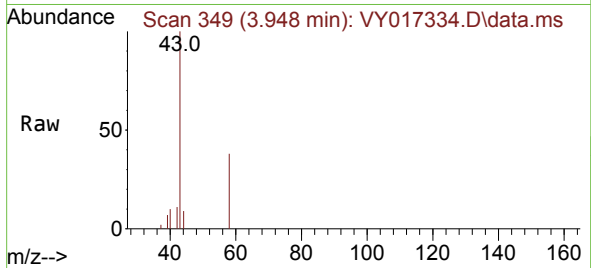




#16
Acetone
Concen: 25.740 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY017334.D
Acq: 09 Feb 2024 13:08

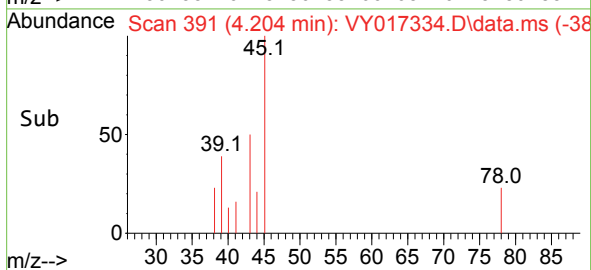
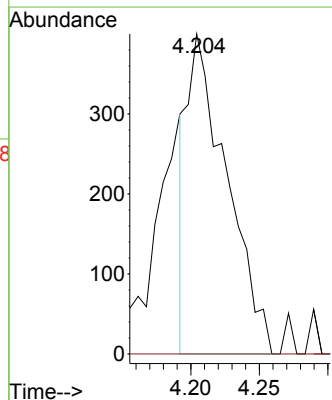
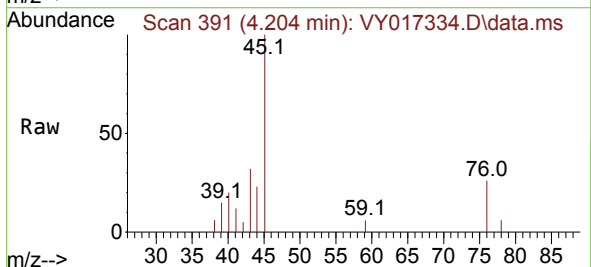
Instrument :
MSVOA_Y
ClientSampleId :
72-11977

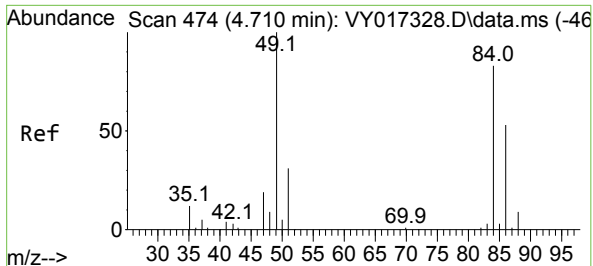
Tgt Ion: 43 Resp: 6408
Ion Ratio Lower Upper
43 100
58 38.5 26.6 39.8



#18
Methyl Acetate
Concen: 1.440 ug/l
RT: 4.204 min Scan# 391
Delta R.T. -0.280 min
Lab File: VY017334.D
Acq: 09 Feb 2024 13:08

Tgt Ion: 43 Resp: 800
Ion Ratio Lower Upper
43 100
74 0.0 19.8 29.6#





#20

Methylene Chloride

Concen: 1.929 ug/l

RT: 4.710 min Scan# 41

Delta R.T. -0.018 min

Lab File: VY017334.D

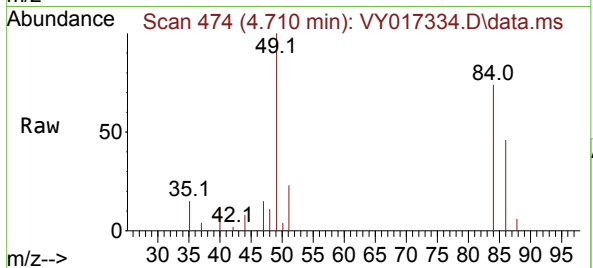
Acq: 09 Feb 2024 13:08

Instrument :

MSVOA_Y

ClientSampleId :

72-11977



Tgt Ion: 84 Resp: 5401

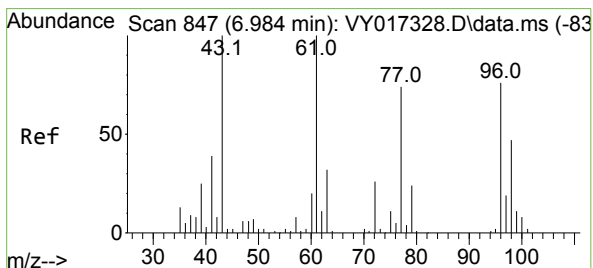
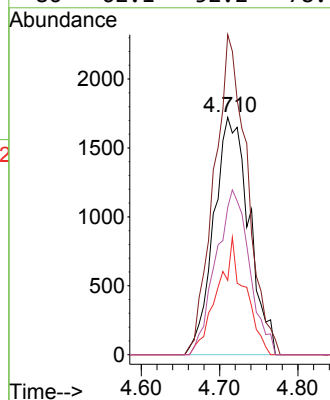
Ion Ratio Lower Upper

84 100

49 134.8 95.2 142.8

51 31.4 29.9 44.9

86 62.1 52.2 78.4



#25

2-Butanone

Concen: 6.294 ug/l

RT: 6.990 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY017334.D

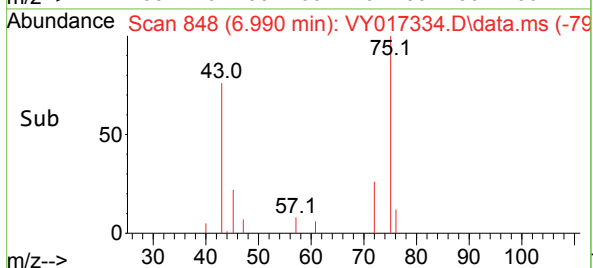
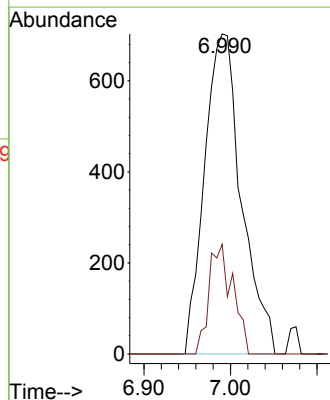
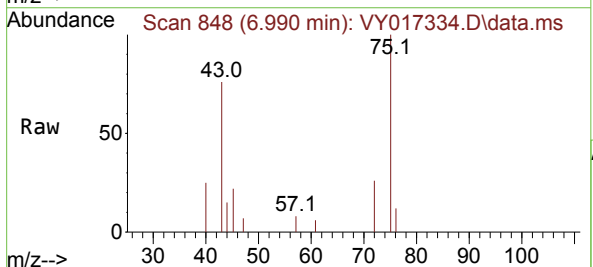
Acq: 09 Feb 2024 13:08

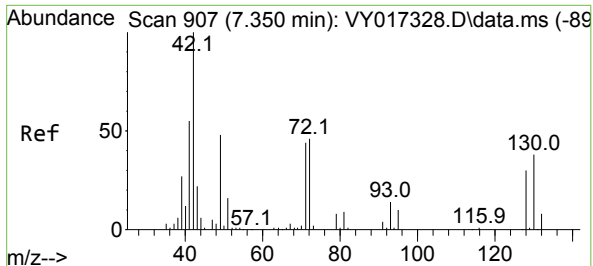
Tgt Ion: 43 Resp: 2083

Ion Ratio Lower Upper

43 100

72 34.3 21.4 32.2#





#29

Tetrahydrofuran

Concen: 9.965 ug/l

RT: 7.350 min Scan# 907

Delta R.T. -0.006 min

Lab File: VY017334.D

Acq: 09 Feb 2024 13:08

Instrument :

MSVOA_Y

ClientSampleId :

72-11977

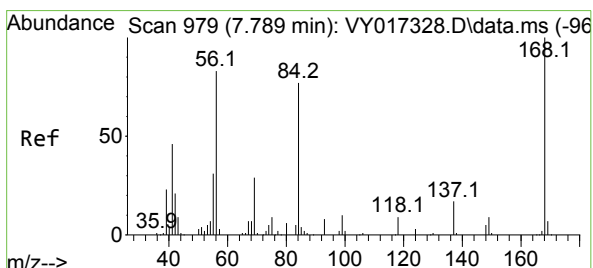
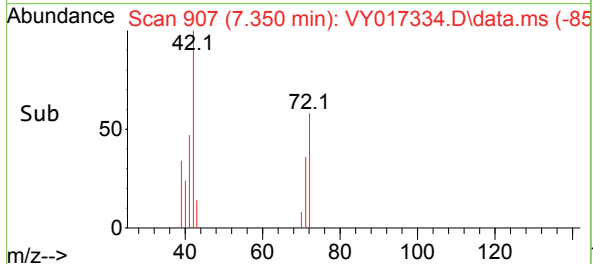
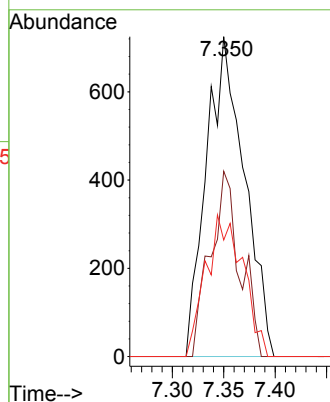
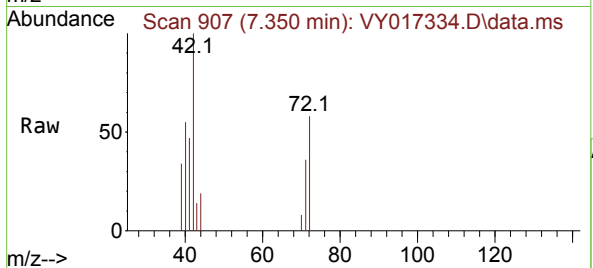
Tgt Ion: 42 Resp: 1863

Ion Ratio Lower Upper

42 100

72 45.2 36.6 54.8

71 43.2 33.8 50.6



#31

Cyclohexane

Concen: 1.278 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.006 min

Lab File: VY017334.D

Acq: 09 Feb 2024 13:08

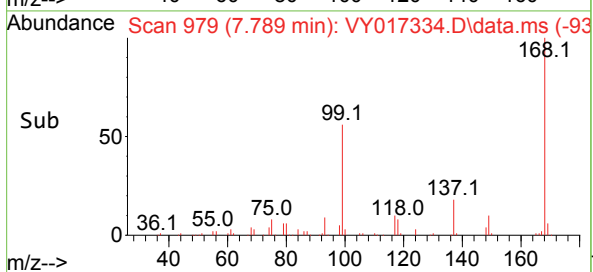
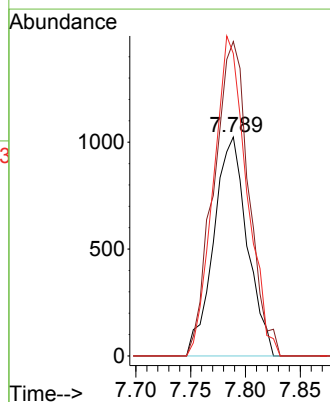
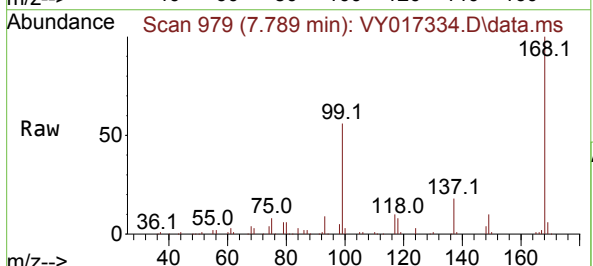
Tgt Ion: 56 Resp: 2182

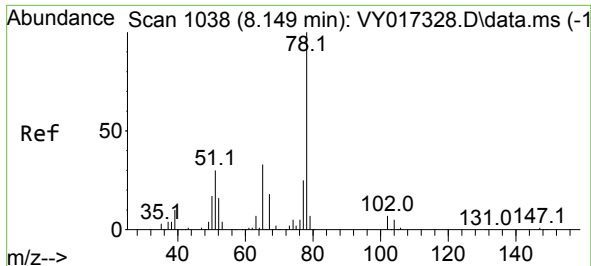
Ion Ratio Lower Upper

56 100

69 143.7 27.0 40.6#

84 138.2 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 56.100 ug/l

RT: 8.143 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY017334.D

Acq: 09 Feb 2024 13:08

Instrument :

MSVOA_Y

ClientSampleId :

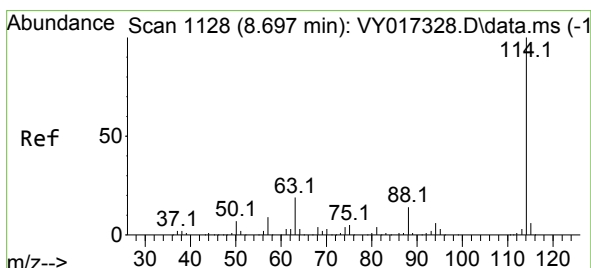
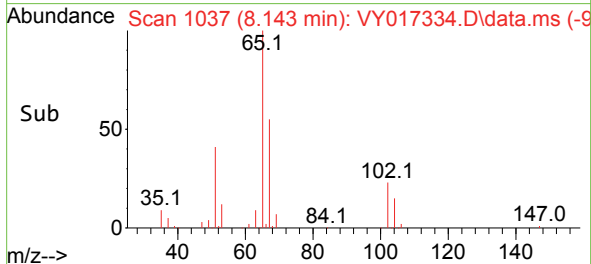
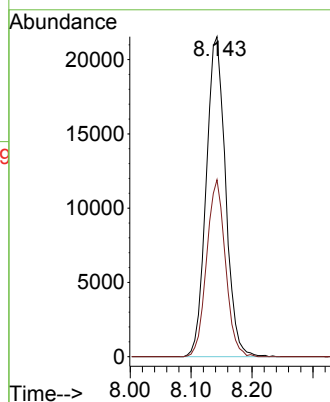
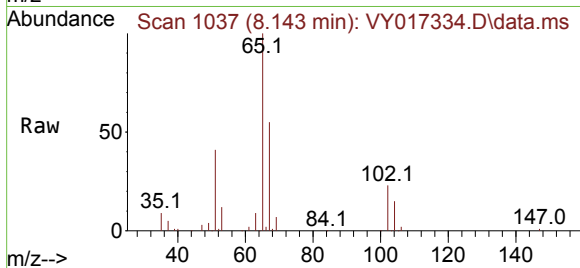
72-11977

Tgt Ion: 65 Resp: 47518

Ion Ratio Lower Upper

65 100

67 53.7 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: VY017334.D

Acq: 09 Feb 2024 13:08

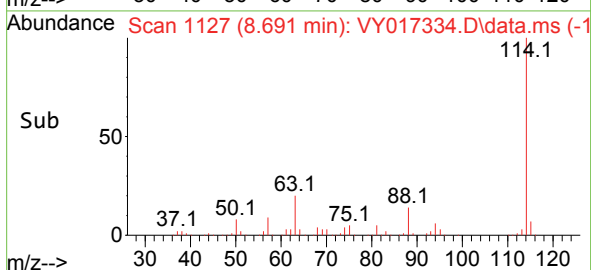
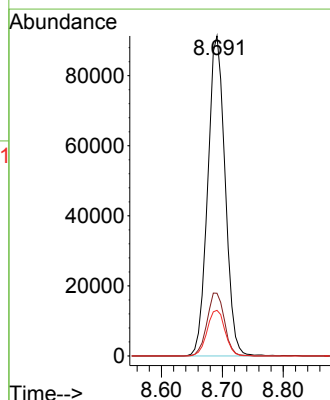
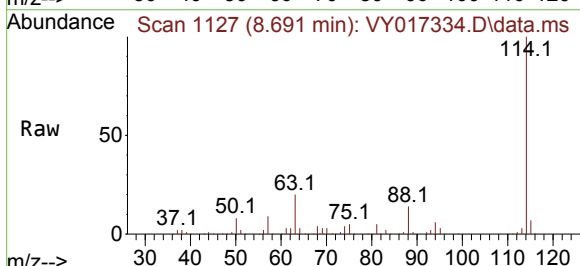
Tgt Ion: 114 Resp: 180807

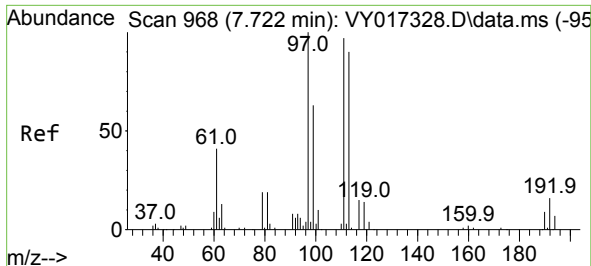
Ion Ratio Lower Upper

114 100

63 19.6 0.0 37.4

88 14.3 0.0 29.0

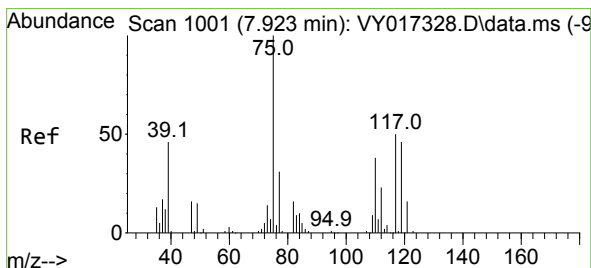
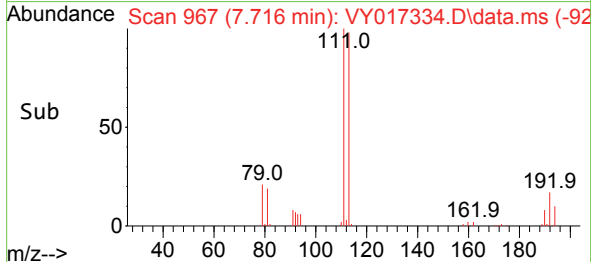
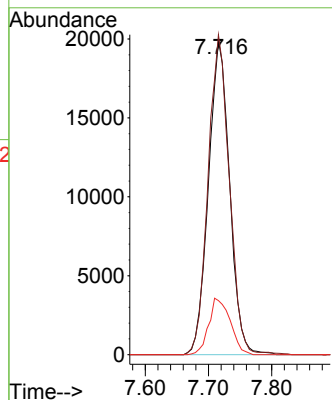
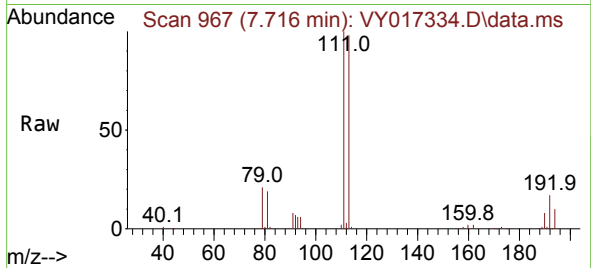




#35
Dibromofluoromethane
Concen: 47.321 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.012 min
Lab File: VY017334.D
Acq: 09 Feb 2024 13:08

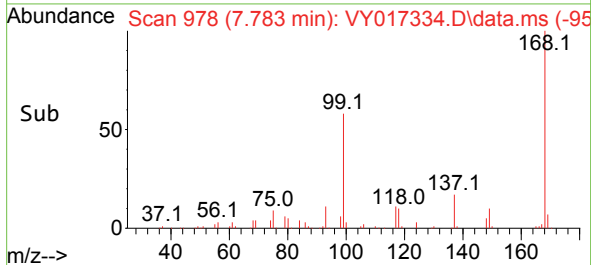
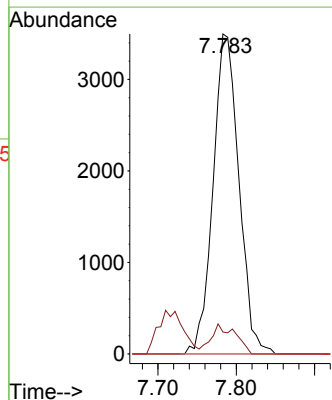
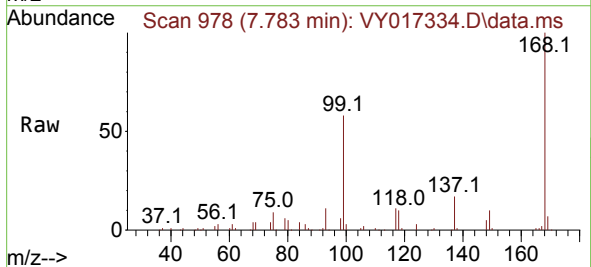
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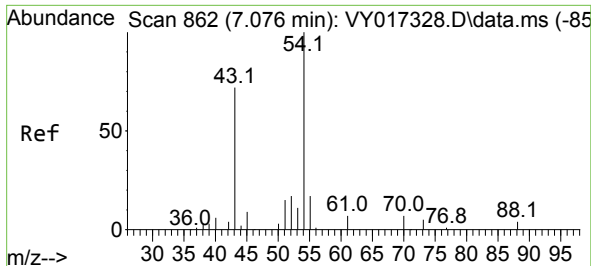
Tgt Ion:113 Resp: 46197
Ion Ratio Lower Upper
113 100
111 102.4 83.8 125.6
192 18.3 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.760 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY017334.D
Acq: 09 Feb 2024 13:08

Tgt Ion: 75 Resp: 8015
Ion Ratio Lower Upper
75 100
110 8.7 17.4 52.3#
77 0.0 24.7 37.1#

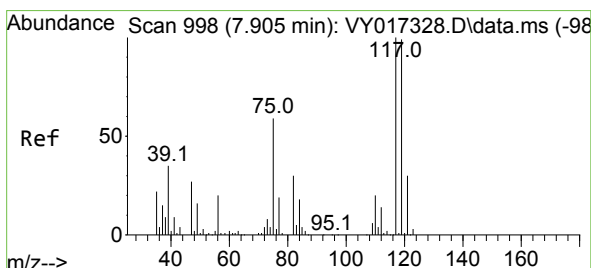
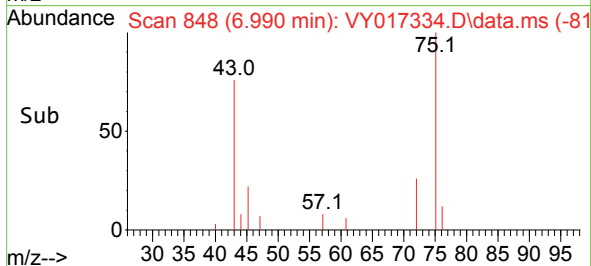
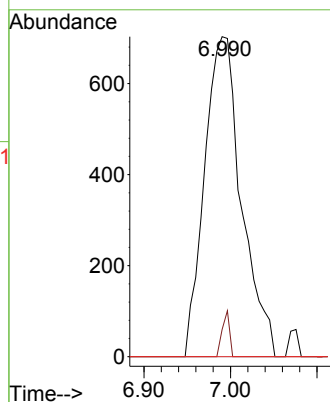
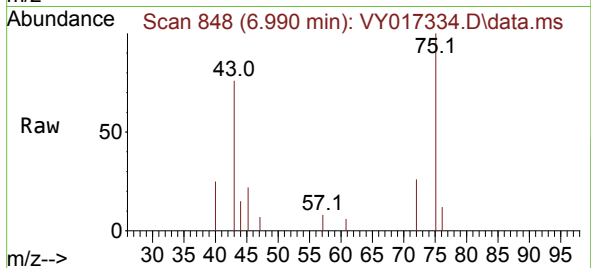




#37
Ethyl Acetate
Concen: 2.667 ug/l
RT: 6.990 min Scan# 84
Delta R.T. -0.091 min
Lab File: VY017334.D
Acq: 09 Feb 2024 13:08

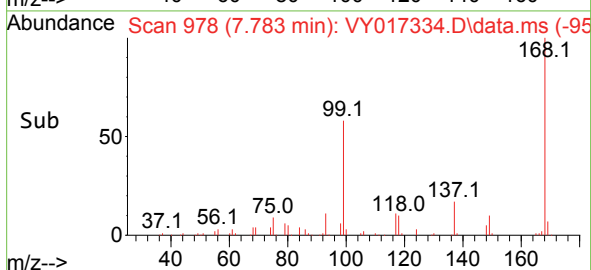
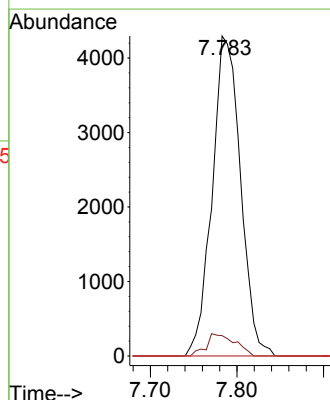
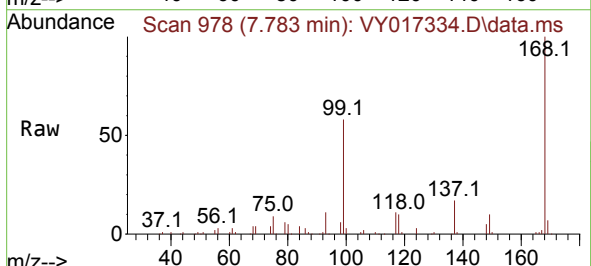
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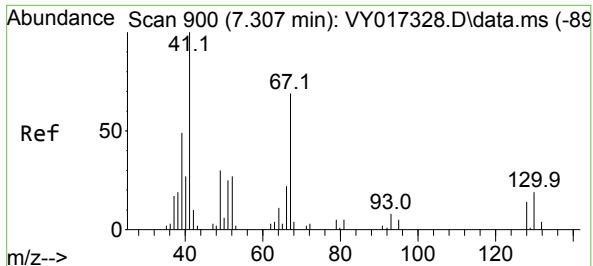
Tgt Ion: 43 Resp: 2083
Ion Ratio Lower Upper
43 100
61 2.8 11.0 16.6#
70 0.0 8.1 12.1#



#38
Carbon Tetrachloride
Concen: 6.055 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY017334.D
Acq: 09 Feb 2024 13:08

Tgt Ion: 117 Resp: 9763
Ion Ratio Lower Upper
117 100
119 6.4 76.0 114.0#
121 0.0 24.2 36.2#

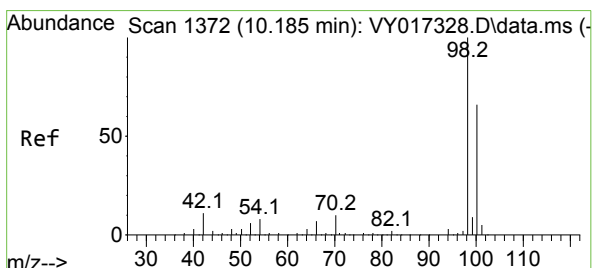
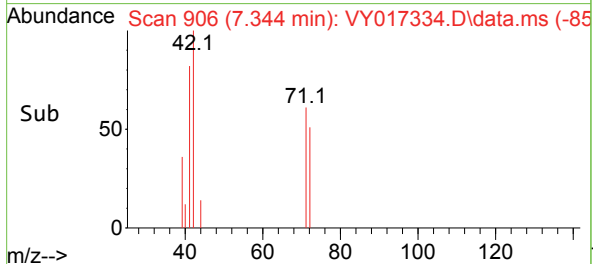
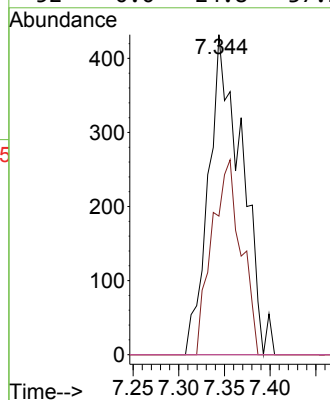
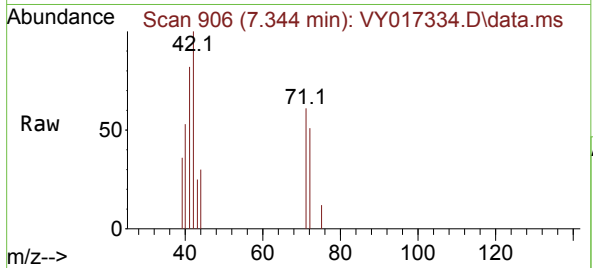




#41
Methacrylonitrile
Concen: 2.948 ug/l
RT: 7.344 min Scan# 906
Delta R.T. 0.025 min
Lab File: VY017334.D
Acq: 09 Feb 2024 13:08

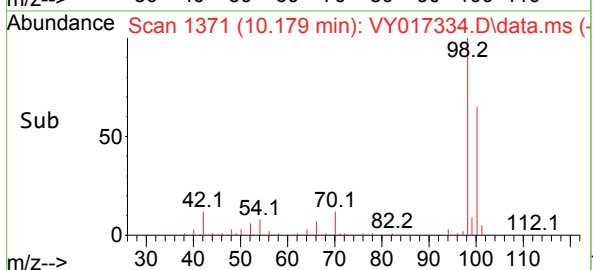
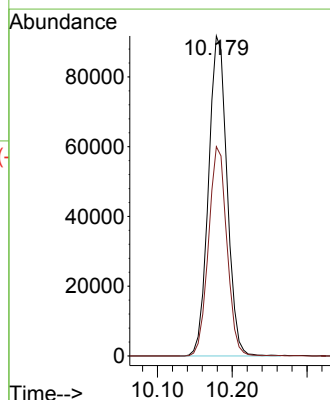
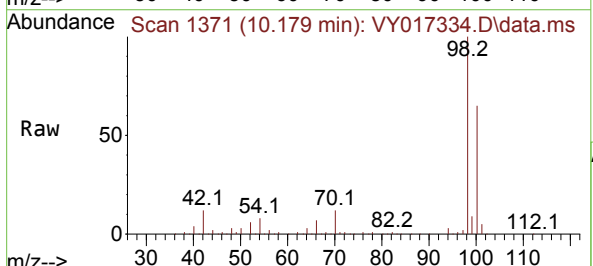
Instrument :
MSVOA_Y
ClientSampleId :
72-11977

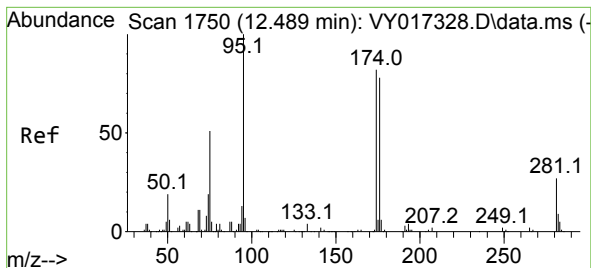
Tgt Ion: 41	Resp: 1091
Ion Ratio	Lower Upper
41	100
39	53.3 41.9 62.9
67	0.0 59.8 89.6#
52	0.0 24.8 37.2#



#50
Toluene-d8
Concen: 44.536 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY017334.D
Acq: 09 Feb 2024 13:08

Tgt Ion: 98	Resp: 158300
Ion Ratio	Lower Upper
98	100
100	64.7 52.3 78.5

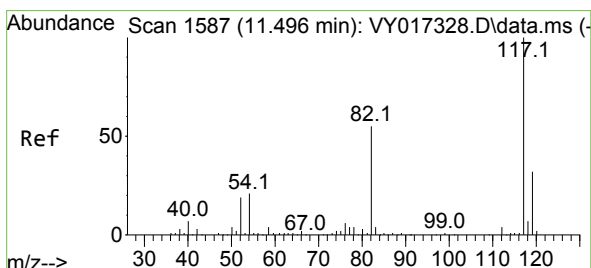
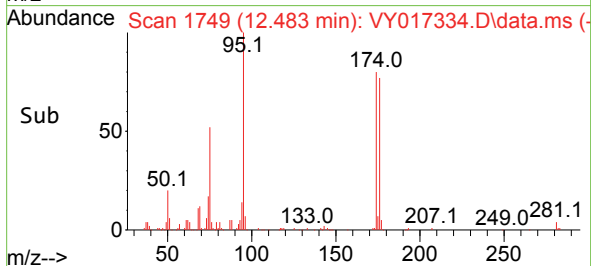
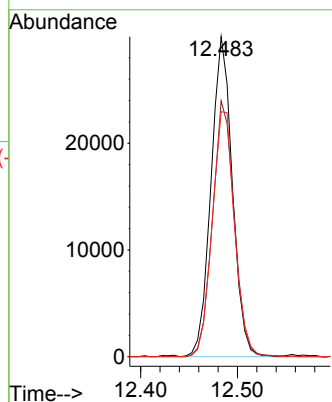
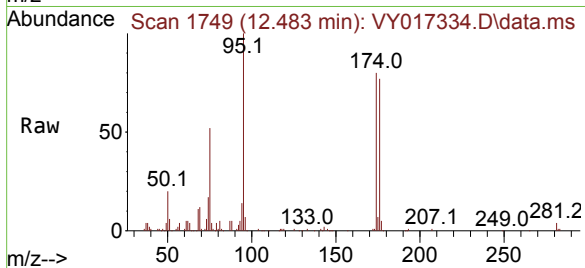




#62
4-Bromofluorobenzene
Concen: 39.382 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY017334.D
Acq: 09 Feb 2024 13:08

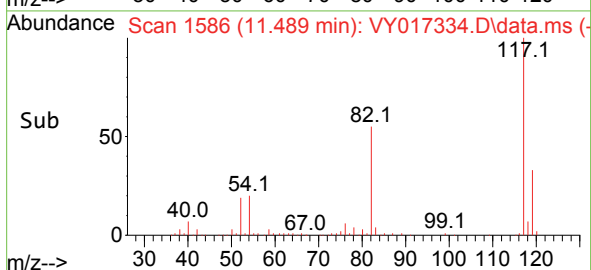
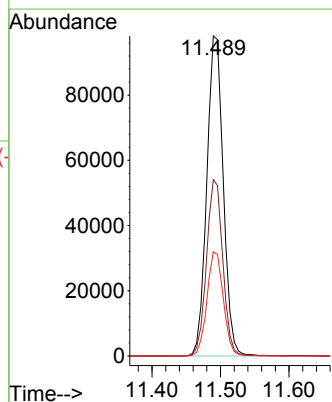
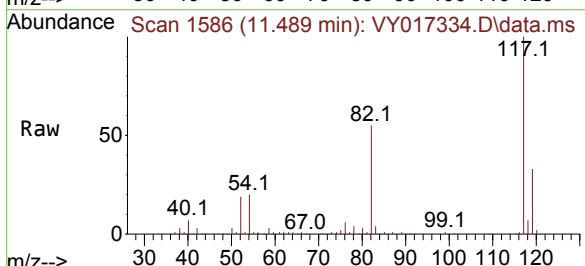
Instrument :
MSVOA_Y
ClientSampleId :
72-11977

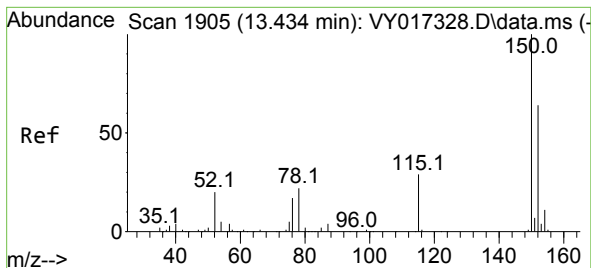
Tgt Ion:	95	Resp:	45855
Ion	Ratio	Lower	Upper
95	100		
174	81.3	0.0	160.0
176	80.6	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.012 min
Lab File: VY017334.D
Acq: 09 Feb 2024 13:08

Tgt Ion:	117	Resp:	164596
Ion	Ratio	Lower	Upper
117	100		
82	55.1	43.8	65.8
119	32.5	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: VY017334.D

Acq: 09 Feb 2024 13:08

Instrument :

MSVOA_Y

ClientSampleId :

72-11977

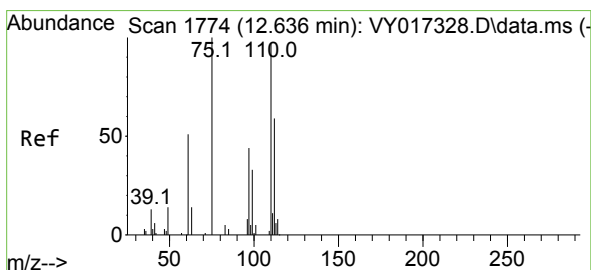
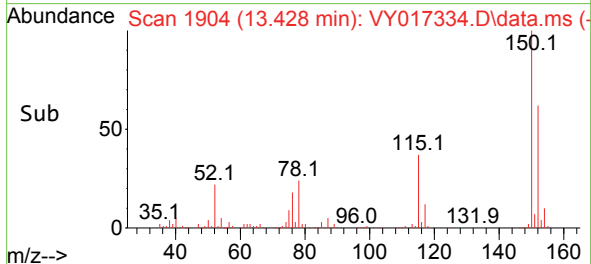
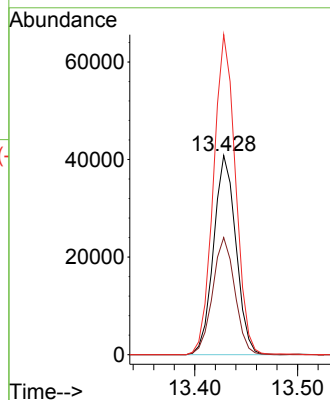
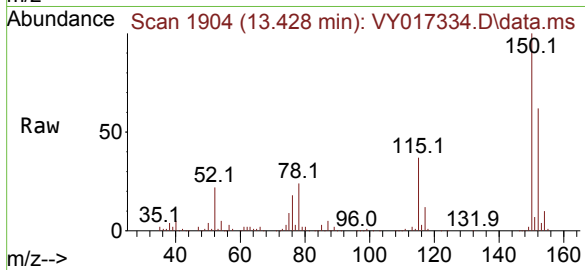
Tgt Ion:152 Resp: 61583

Ion Ratio Lower Upper

152 100

115 58.5 30.0 90.0

150 158.8 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 43.195 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.158 min

Lab File: VY017334.D

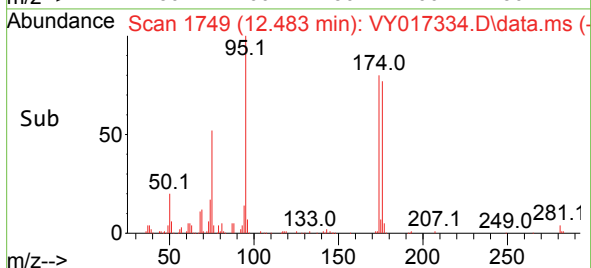
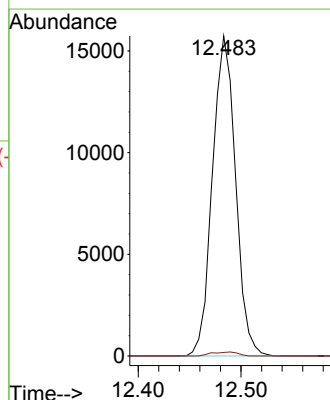
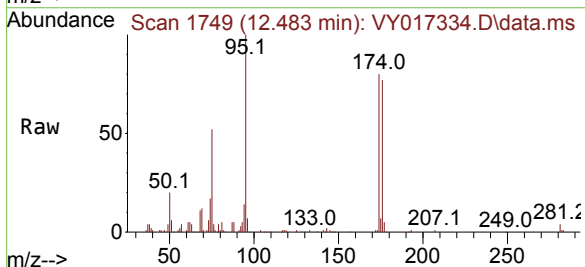
Acq: 09 Feb 2024 13:08

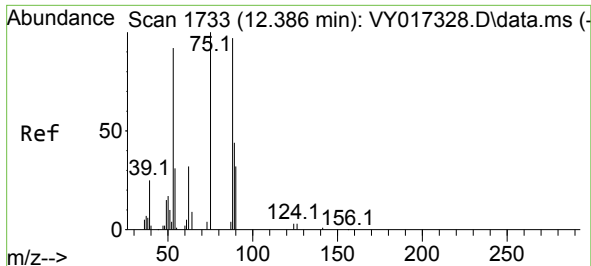
Tgt Ion: 75 Resp: 24552

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#

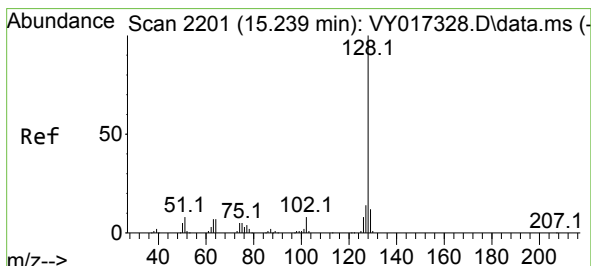
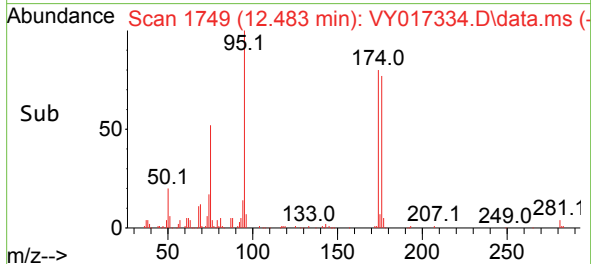
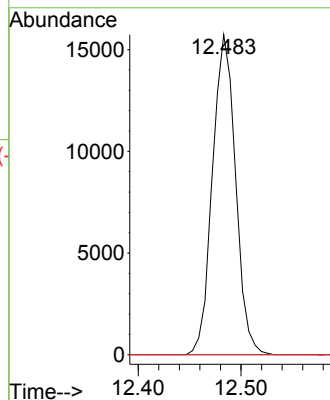
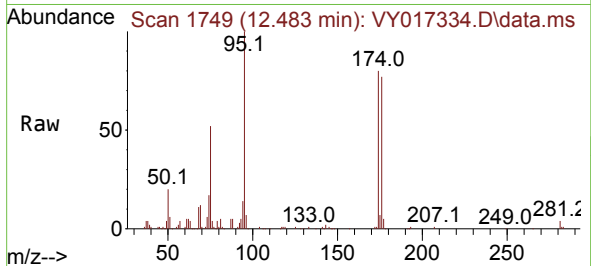




#81
trans-1,4-Dichloro-2-butene
Concen: 89.753 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.098 min
Lab File: VY017334.D
Acq: 09 Feb 2024 13:08

Instrument :
MSVOA_Y
ClientSampleId :
72-11977

Tgt Ion: 75 Resp: 24552
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#



#95
Naphthalene
Concen: 4.240 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.006 min
Lab File: VY017334.D
Acq: 09 Feb 2024 13:08

Tgt Ion: 128 Resp: 1426
Ion Ratio Lower Upper
128 100
127 10.7 10.2 15.4
129 7.5 8.6 12.8#

