

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020524\
 Data File : VY017235.D
 Acq On : 05 Feb 2024 17:37
 Operator : SY/MD
 Sample : P1141-01
 Misc : 5.87g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EB-3-0-2

Quant Time: Feb 06 01:02:39 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)

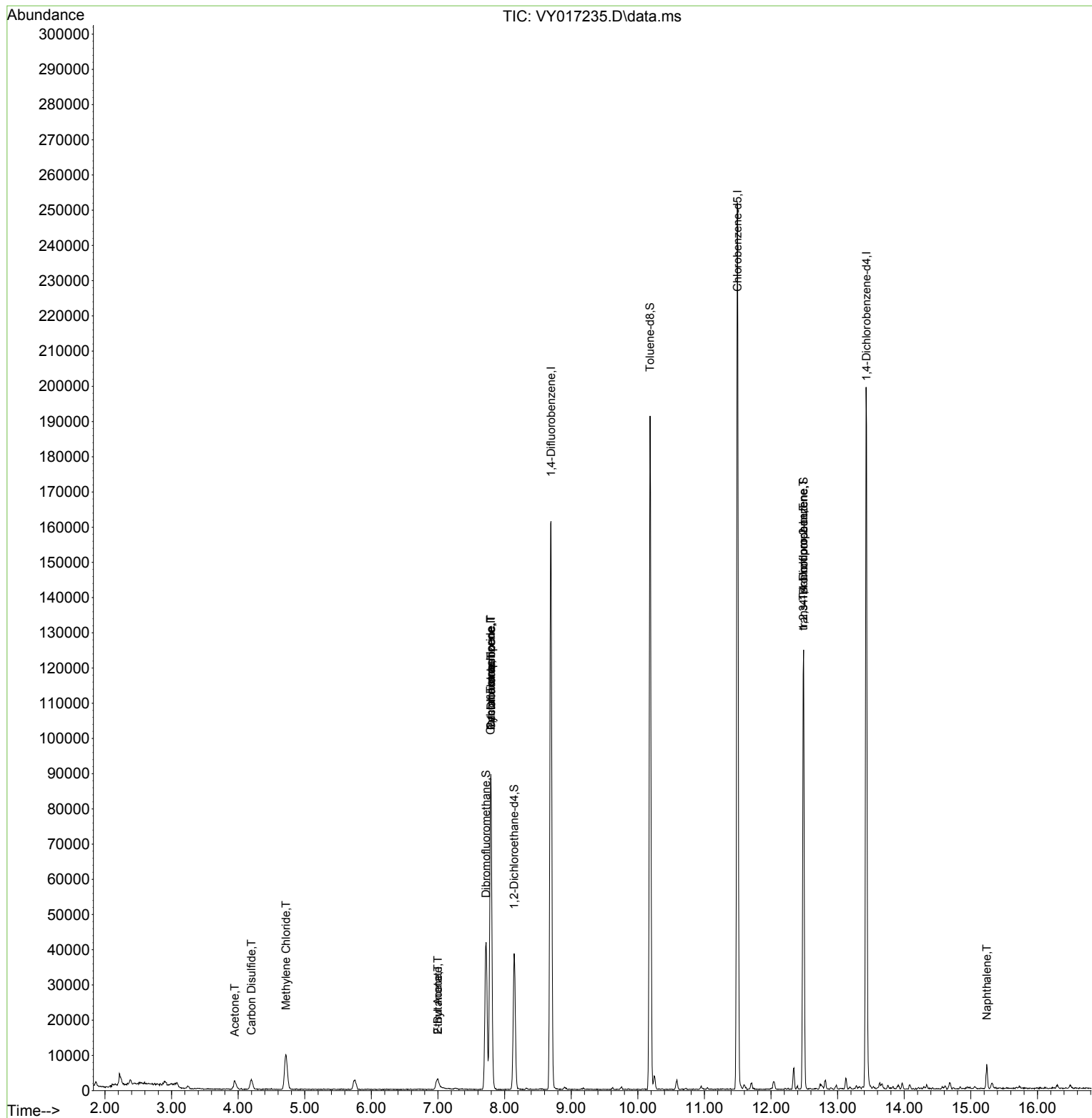
Internal Standards						
1) Pentafluorobenzene	7.795	168	70151	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	141062	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	134237	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	51336	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	29056	46.365	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.720%		
35) Dibromofluoromethane	7.722	113	31095	40.826	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	81.660%		
50) Toluene-d8	10.185	98	124657	44.952	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	89.900%		
62) 4-Bromofluorobenzene	12.489	95	39458	43.436	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	86.880%		
Target Compounds						Qvalue
11) Tert butyl alcohol	4.960	59	28	Below Cal	#	75
16) Acetone	3.948	43	4627	25.121	ug/l	89
17) Carbon Disulfide	4.198	76	4307	1.984	ug/l #	95
20) Methylene Chloride	4.716	84	7634	7.115	ug/l	95
25) 2-Butanone	6.996	43	1042	4.255	ug/l	99
31) Cyclohexane	7.795	56	1812	1.435	ug/l #	17
36) 1,1-Dichloropropene	7.795	75	5938	4.520	ug/l #	48
37) Ethyl Acetate	6.996	43	1042	1.710	ug/l #	86
38) Carbon Tetrachloride	7.789	117	7102	5.646	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	20373	42.997	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	20373	89.342	ug/l #	12
95) Naphthalene	15.239	128	5586	7.253	ug/l	98

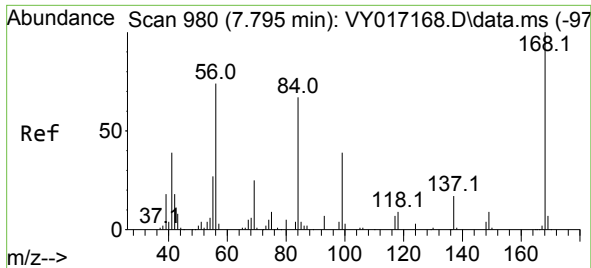
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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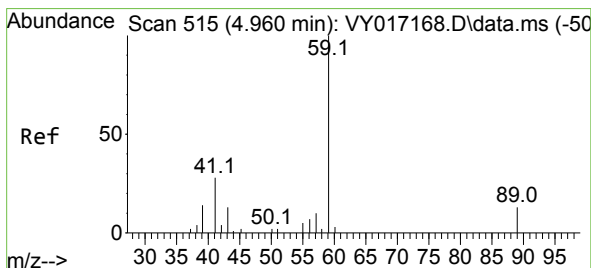
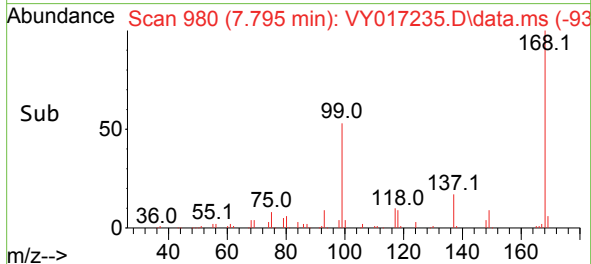
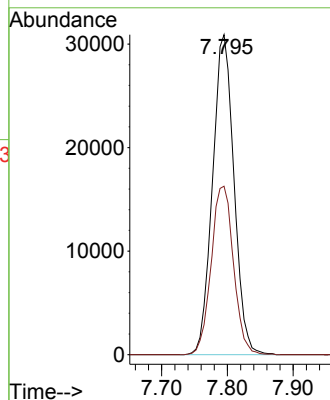
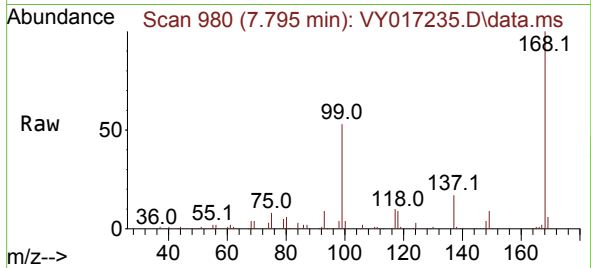




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY017235.D
Acq: 05 Feb 2024 17:37

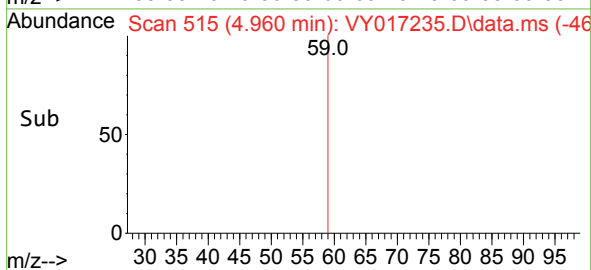
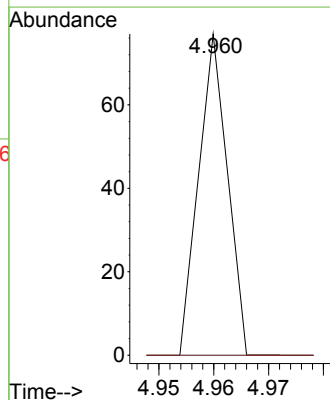
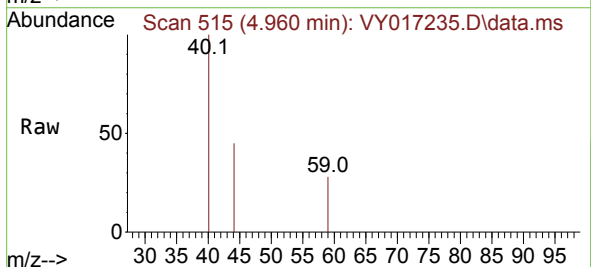
Instrument :
MSVOA_Y
ClientSampleId :
EB-3-0-2

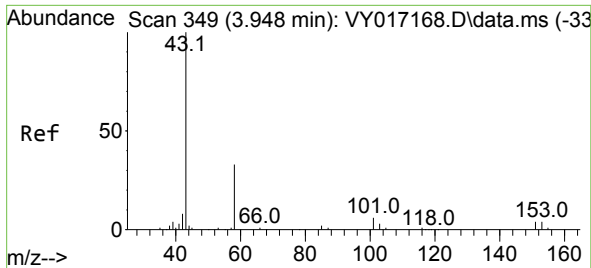
Tgt Ion:168 Resp: 70151
Ion Ratio Lower Upper
168 100
99 52.6 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. -0.000 min
Lab File: VY017235.D
Acq: 05 Feb 2024 17:37

Tgt Ion: 59 Resp: 28
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: 25.121 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY017235.D

Acq: 05 Feb 2024 17:37

Instrument :

MSVOA_Y

ClientSampleId :

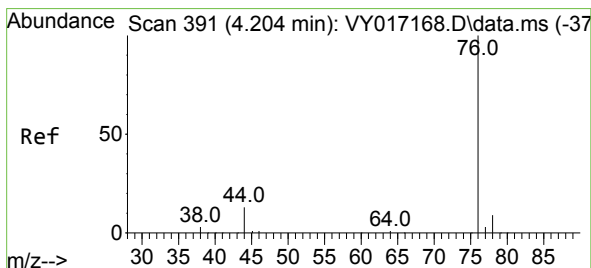
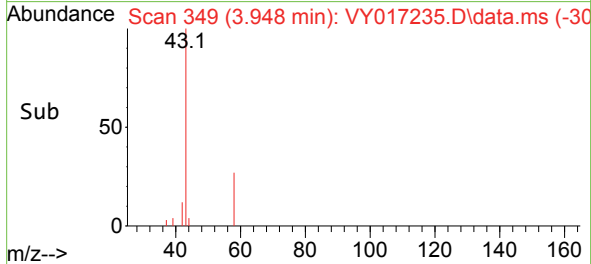
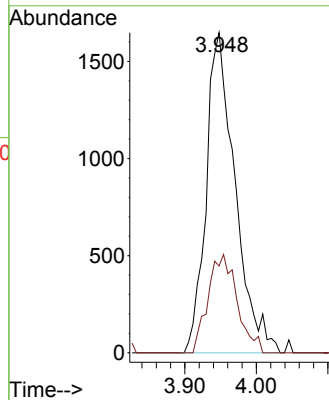
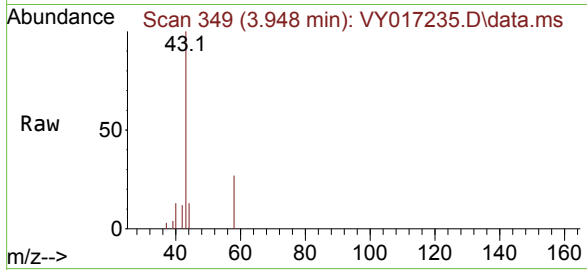
EB-3-0-2

Tgt Ion: 43 Resp: 4627

Ion Ratio Lower Upper

43 100

58 27.1 26.6 39.8



#17

Carbon Disulfide

Concen: 1.984 ug/l

RT: 4.198 min Scan# 390

Delta R.T. -0.006 min

Lab File: VY017235.D

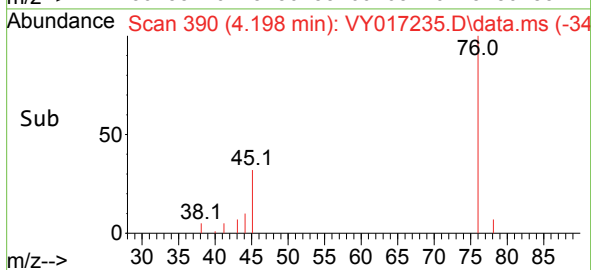
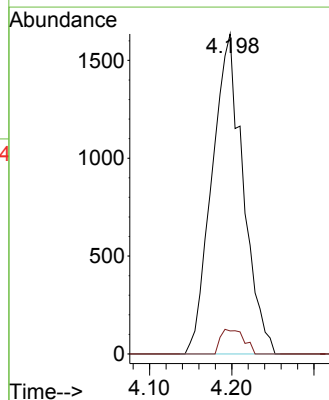
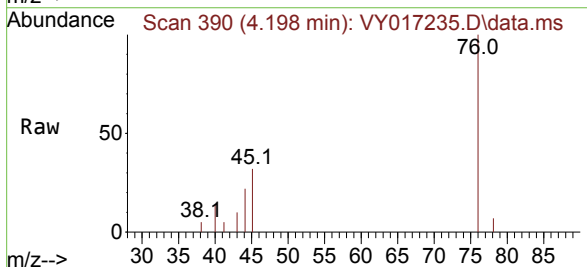
Acq: 05 Feb 2024 17:37

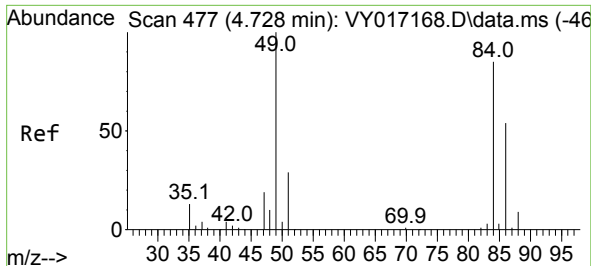
Tgt Ion: 76 Resp: 4307

Ion Ratio Lower Upper

76 100

78 7.2 7.4 11.0#



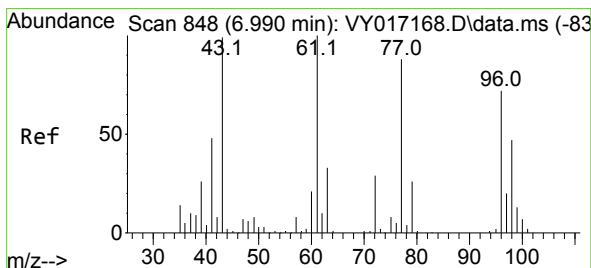
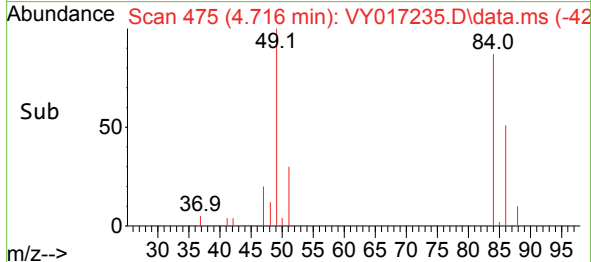
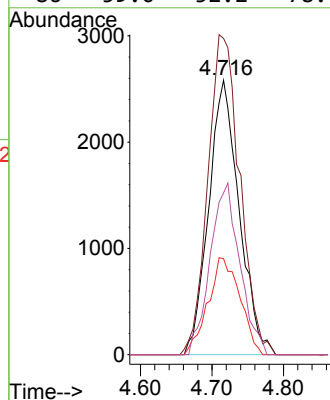
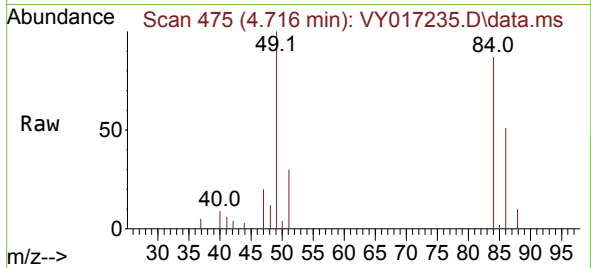


#20
Methylene Chloride
Concen: 7.115 ug/l
RT: 4.716 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY017235.D
Acq: 05 Feb 2024 17:37

Instrument :
MSVOA_Y
ClientSampleId :
EB-3-0-2

Tgt Ion: 84 Resp: 7634

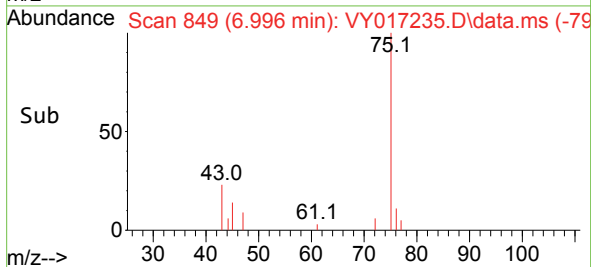
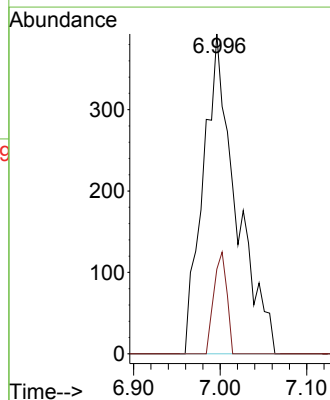
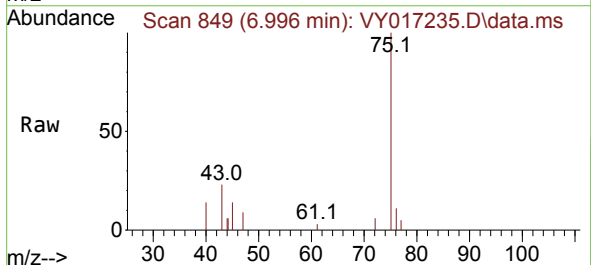
Ion	Ratio	Lower	Upper
84	100		
49	115.3	95.2	142.8
51	35.0	29.9	44.9
86	59.0	52.2	78.4

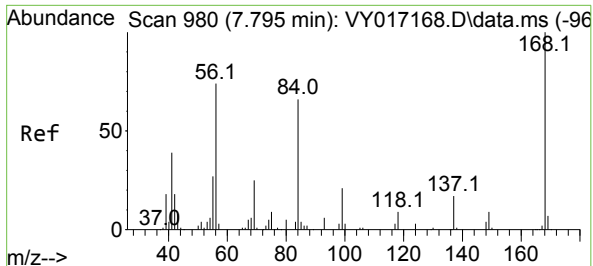


#25
2-Butanone
Concen: 4.255 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY017235.D
Acq: 05 Feb 2024 17:37

Tgt Ion: 43 Resp: 1042

Ion	Ratio	Lower	Upper
43	100		
72	26.5	21.4	32.2

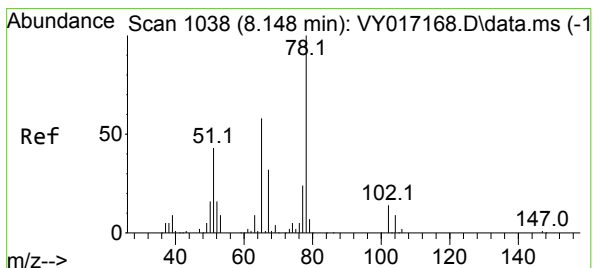
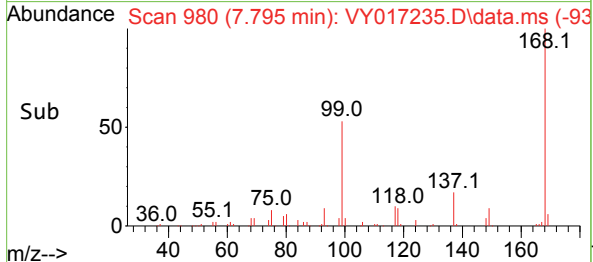
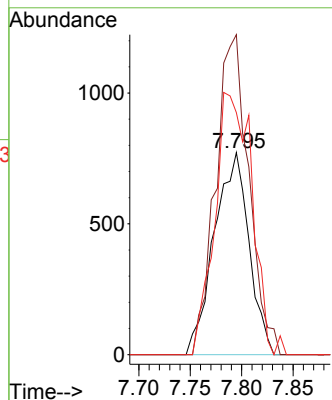
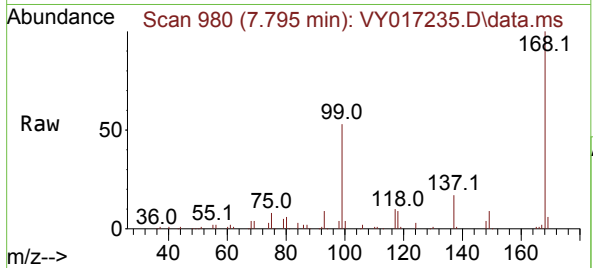




#31
Cyclohexane
Concen: 1.435 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY017235.D
Acq: 05 Feb 2024 17:37

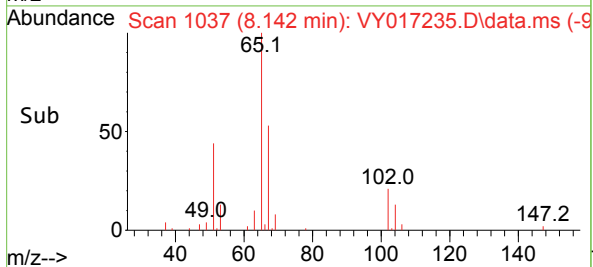
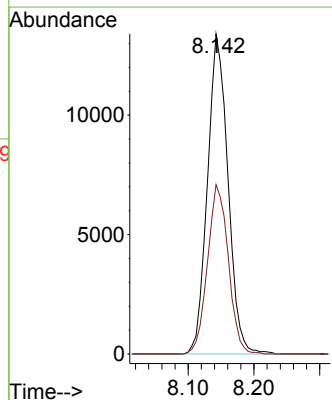
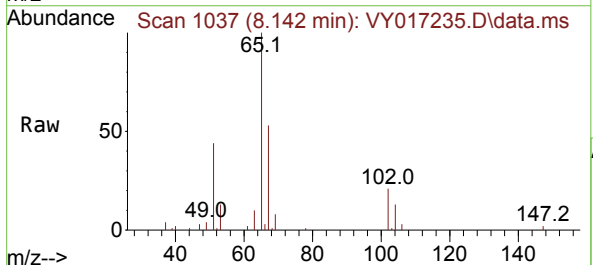
Instrument :
MSVOA_Y
ClientSampleId :
EB-3-0-2

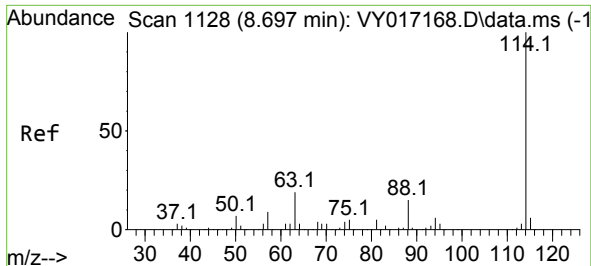
Tgt Ion: 56 Resp: 1812
Ion Ratio Lower Upper
56 100
69 158.4 27.0 40.6#
84 119.8 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 46.365 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VY017235.D
Acq: 05 Feb 2024 17:37

Tgt Ion: 65 Resp: 29056
Ion Ratio Lower Upper
65 100
67 53.7 0.0 109.0

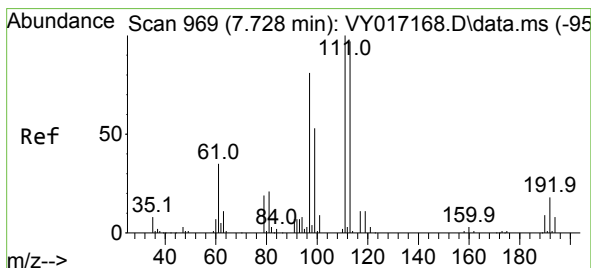
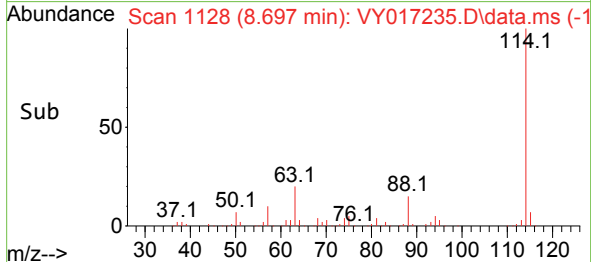
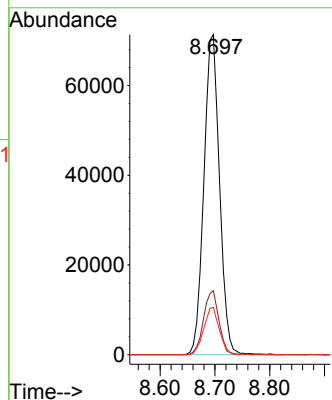
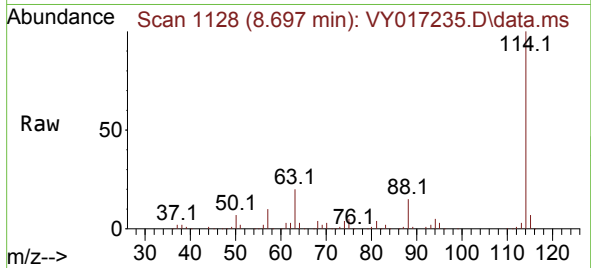




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY017235.D
Acq: 05 Feb 2024 17:37

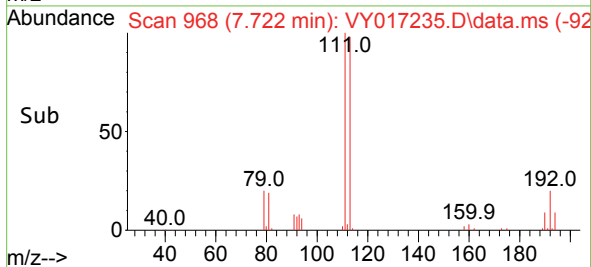
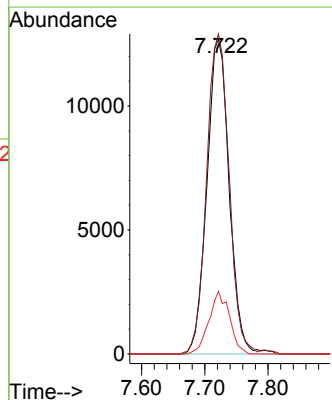
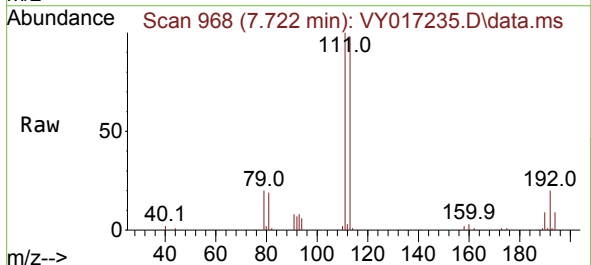
Instrument :
MSVOA_Y
ClientSampleId :
EB-3-0-2

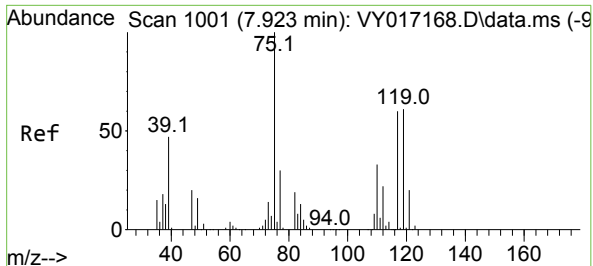
Tgt Ion:114 Resp: 141062
Ion Ratio Lower Upper
114 100
63 20.0 0.0 37.4
88 14.8 0.0 29.0



#35
Dibromofluoromethane
Concen: 40.826 ug/l
RT: 7.722 min Scan# 968
Delta R.T. -0.006 min
Lab File: VY017235.D
Acq: 05 Feb 2024 17:37

Tgt Ion:113 Resp: 31095
Ion Ratio Lower Upper
113 100
111 102.2 83.8 125.6
192 18.4 14.5 21.7

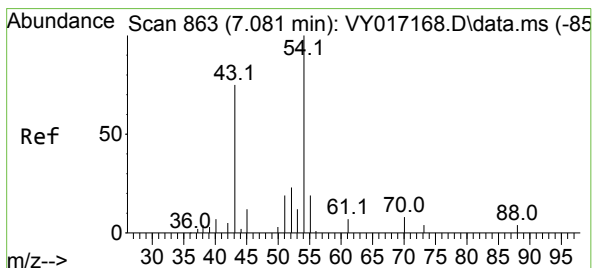
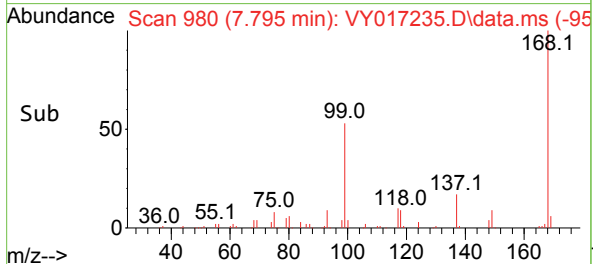
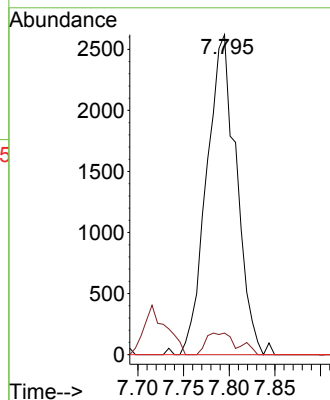
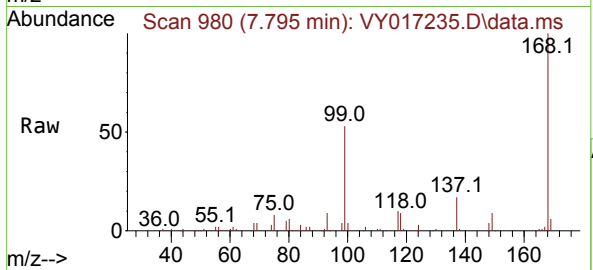




#36
1,1-Dichloropropene
Concen: 4.520 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY017235.D
Acq: 05 Feb 2024 17:37

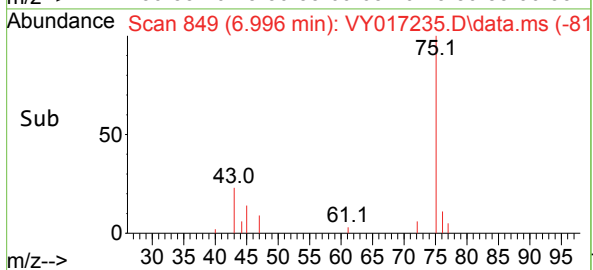
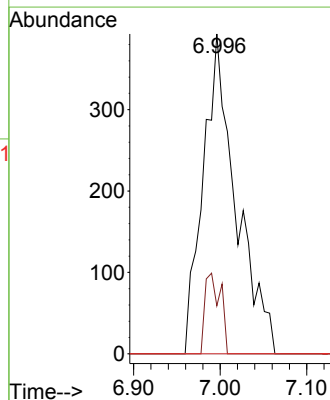
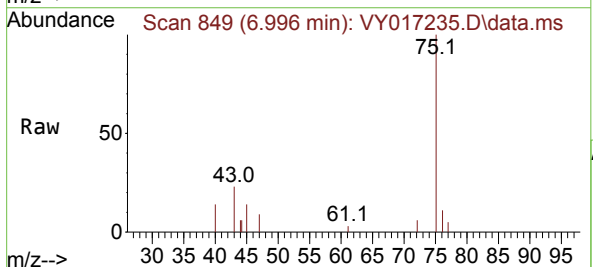
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ClientSampleId :
EB-3-0-2

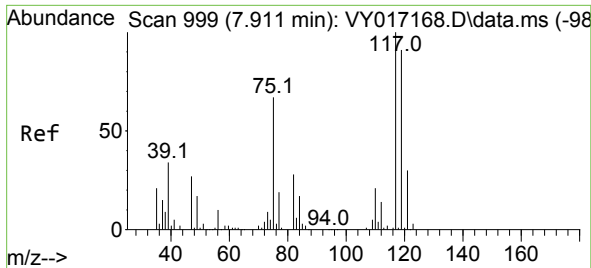
Tgt Ion: 75 Resp: 5938
Ion Ratio Lower Upper
75 100
110 7.0 17.4 52.3#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.710 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.085 min
Lab File: VY017235.D
Acq: 05 Feb 2024 17:37

Tgt Ion: 43 Resp: 1042
Ion Ratio Lower Upper
43 100
61 11.8 11.0 16.6
70 0.0 8.1 12.1#

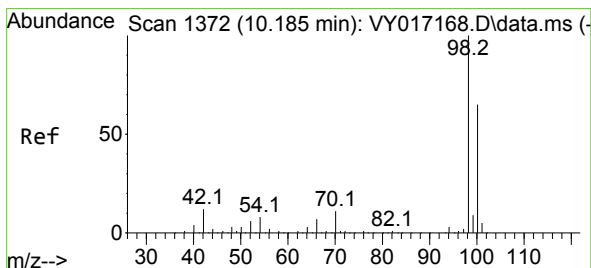
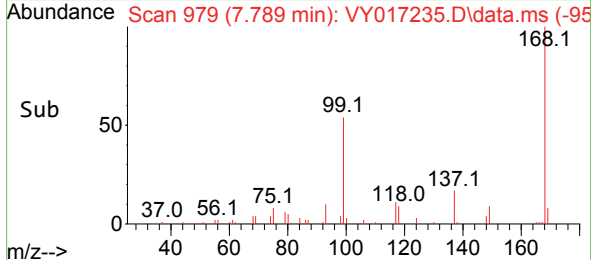
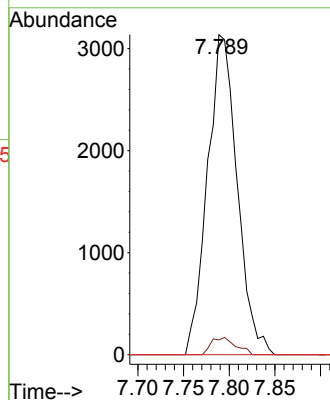
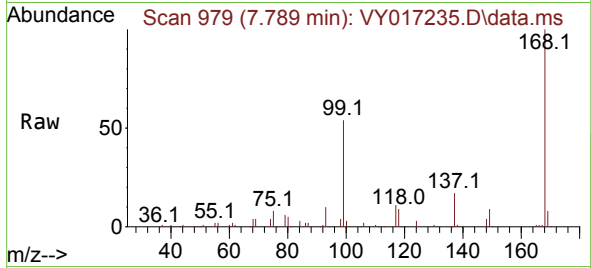




#38
Carbon Tetrachloride
Concen: 5.646 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY017235.D
Acq: 05 Feb 2024 17:37

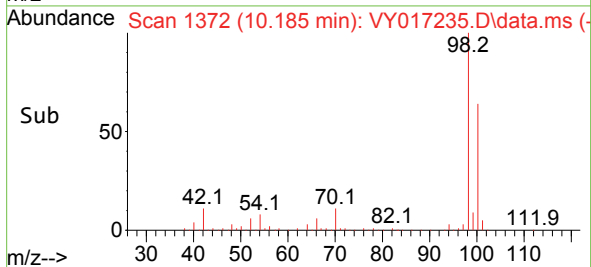
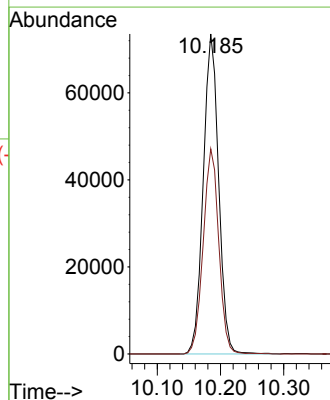
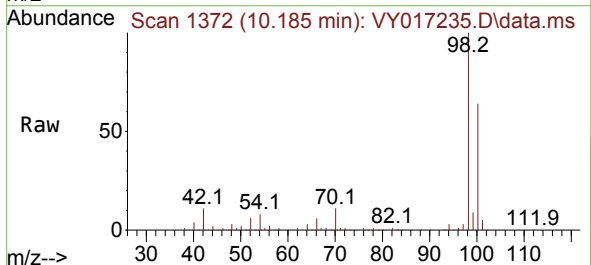
Instrument :
MSVOA_Y
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EB-3-0-2

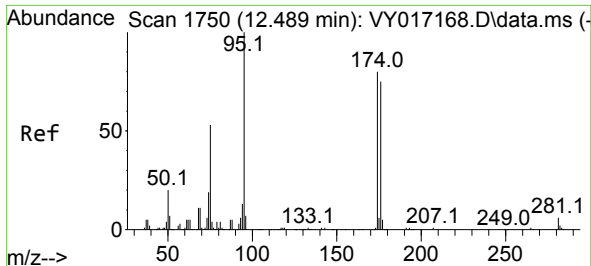
Tgt Ion:117 Resp: 7102
Ion Ratio Lower Upper
117 100
119 4.6 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 44.952 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY017235.D
Acq: 05 Feb 2024 17:37

Tgt Ion: 98 Resp: 124657
Ion Ratio Lower Upper
98 100
100 64.8 52.3 78.5

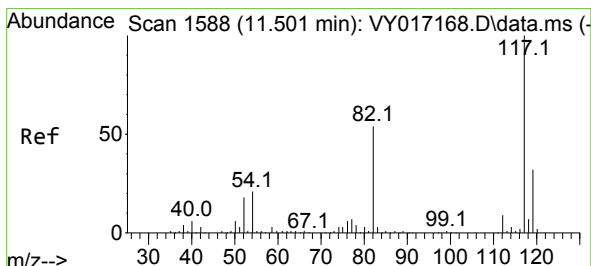
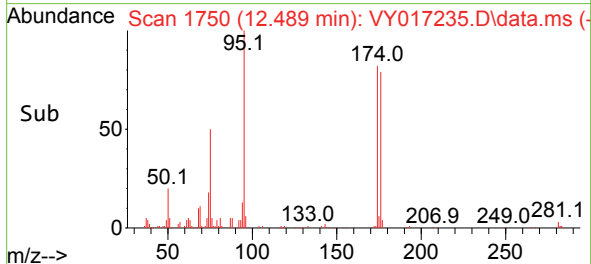
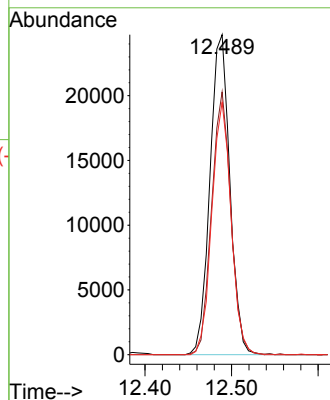
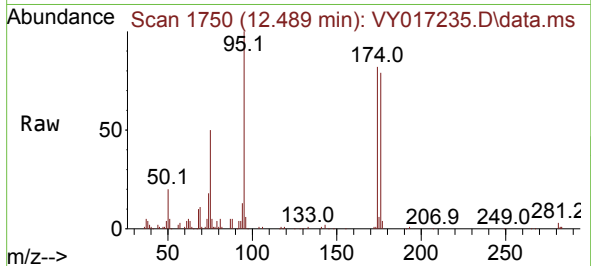




#62
4-Bromofluorobenzene
Concen: 43.436 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY017235.D
Acq: 05 Feb 2024 17:37

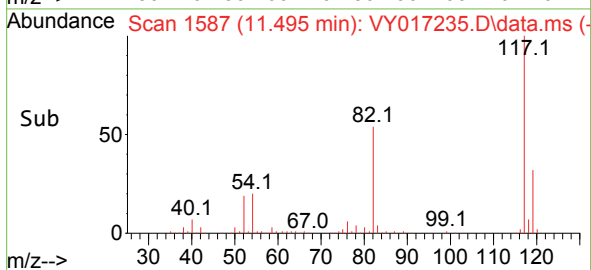
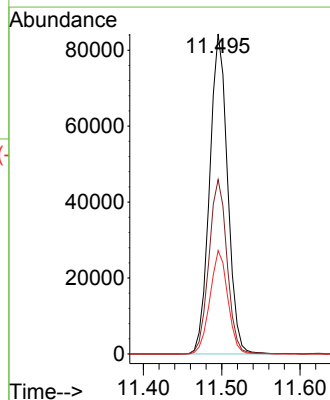
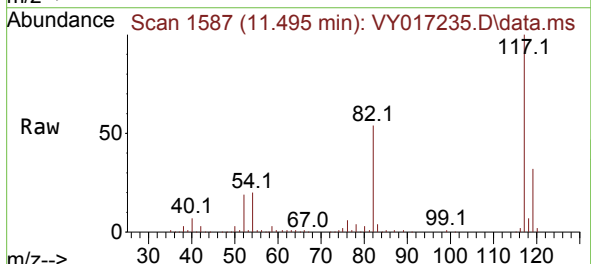
Instrument :
MSVOA_Y
ClientSampleId :
EB-3-0-2

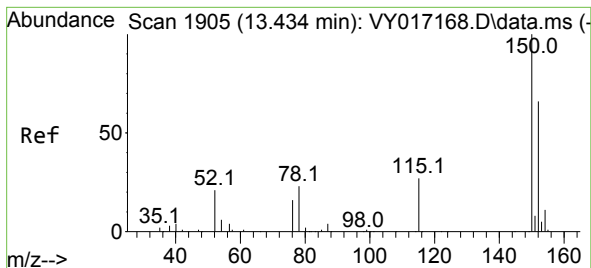
Tgt Ion:	95	Resp:	39458
Ion Ratio	Lower	Upper	
95	100		
174	79.5	0.0	160.0
176	76.4	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.006 min
Lab File: VY017235.D
Acq: 05 Feb 2024 17:37

Tgt Ion:	117	Resp:	134237
Ion Ratio	Lower	Upper	
117	100		
82	54.5	43.8	65.8
119	32.3	26.5	39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VY017235.D

Acq: 05 Feb 2024 17:37

Instrument :

MSVOA_Y

ClientSampleId :

EB-3-0-2

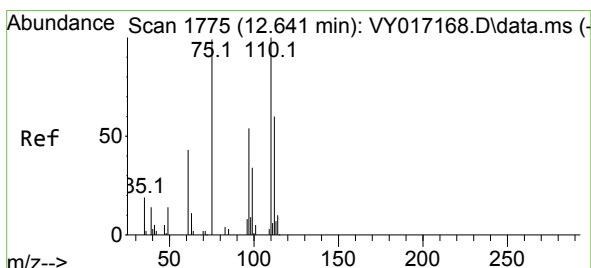
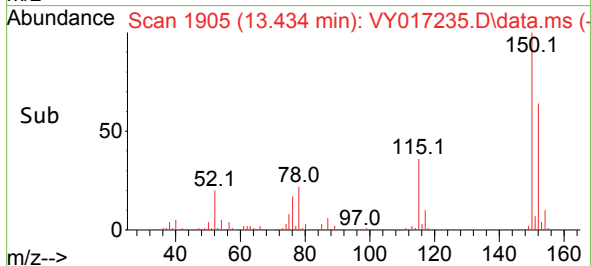
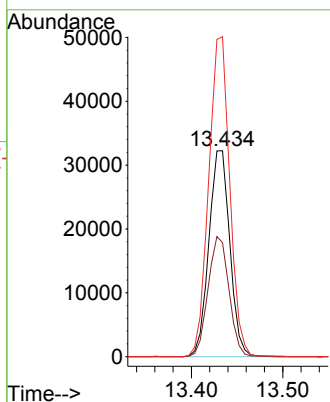
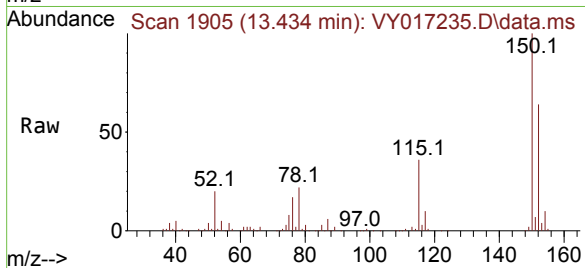
Tgt Ion:152 Resp: 51336

Ion Ratio Lower Upper

152 100

115 58.2 30.0 90.0

150 155.8 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 42.997 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.158 min

Lab File: VY017235.D

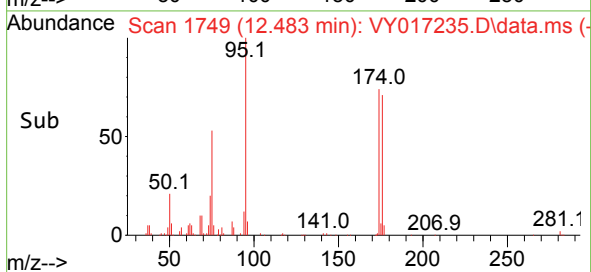
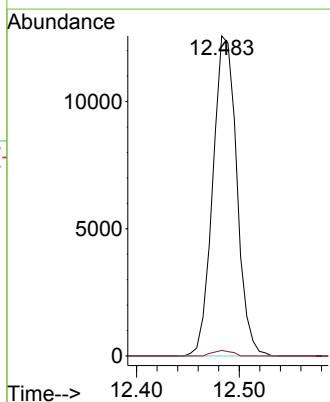
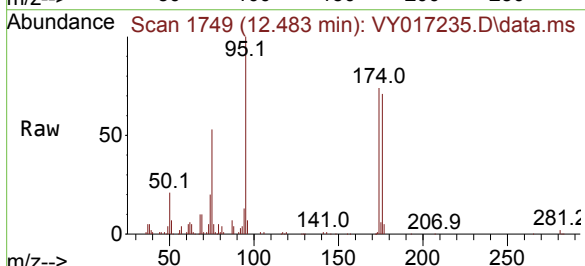
Acq: 05 Feb 2024 17:37

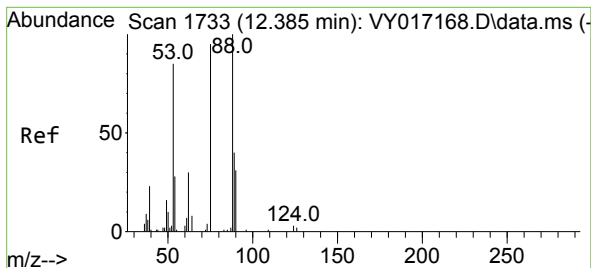
Tgt Ion: 75 Resp: 20373

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#

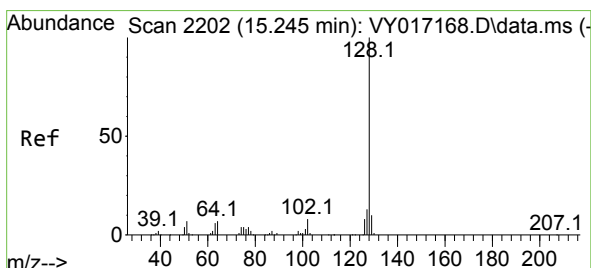
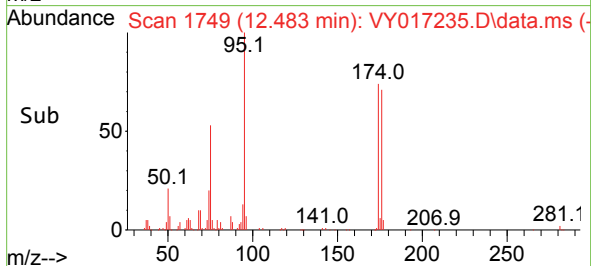
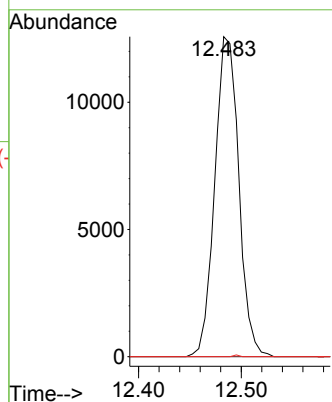
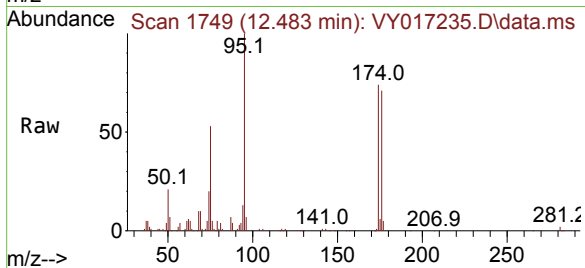




#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.342 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY017235.D
 Acq: 05 Feb 2024 17:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 EB-3-0-2

Tgt Ion: 75 Resp: 20373
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.0 111.0#
 89 0.1 36.5 54.7#



#95
 Naphthalene
 Concen: 7.253 ug/l
 RT: 15.239 min Scan# 2201
 Delta R.T. -0.006 min
 Lab File: VY017235.D
 Acq: 05 Feb 2024 17:37

Tgt Ion: 128 Resp: 5586
 Ion Ratio Lower Upper
 128 100
 127 12.4 10.2 15.4
 129 9.8 8.6 12.8

