

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020824\
 Data File : VY017315.D
 Acq On : 08 Feb 2024 16:10
 Operator : SY/MD
 Sample : P1387-01
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 09 00:13:55 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)

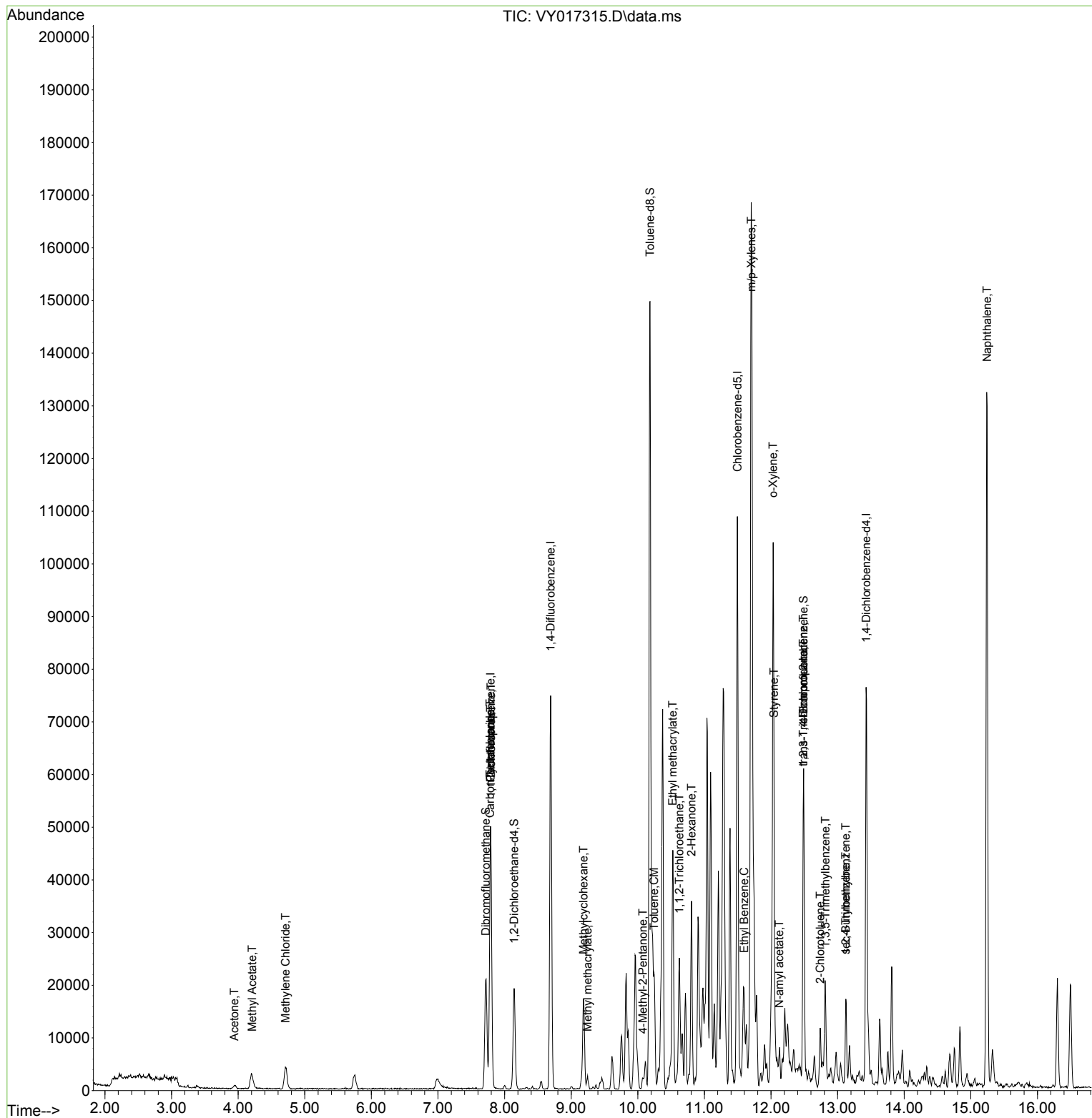
Internal Standards						
1) Pentafluorobenzene	7.789	168	36204	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	63608	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	55350	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	18607	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	14538	44.950	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.900%
35) Dibromofluoromethane	7.716	113	15321	44.610	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.220%
50) Toluene-d8	10.185	98	64483	51.568	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.140%
62) 4-Bromofluorobenzene	12.489	95	14851	36.255	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	72.520%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	115	Below Cal	#	75
16) Acetone	3.942	43	672	7.069	ug/l #	76
18) Methyl Acetate	4.210	43	970	4.574	ug/l #	51
20) Methylene Chloride	4.710	84	3132	4.884	ug/l	91
31) Cyclohexane	7.789	56	1293	1.983	ug/l #	74
36) 1,1-Dichloropropene	7.795	75	3362	5.675	ug/l #	49
38) Carbon Tetrachloride	7.783	117	3952	6.967	ug/l #	17
39) Methylcyclohexane	9.185	83	5757	8.318	ug/l #	81
48) Methyl methacrylate	9.246	41	506	2.218	ug/l #	34
51) 4-Methyl-2-Pentanone	10.075	43	594	2.278	ug/l	89
52) Toluene	10.246	92	8256	8.085	ug/l	92
55) 1,1,2-Trichloroethane	10.624	97	8323	27.253	ug/l #	19
56) Ethyl methacrylate	10.526	69	4137	12.468	ug/l #	1
59) 2-Hexanone	10.807	43	12659	67.143	ug/l #	27
67) Ethyl Benzene	11.599	91	7945	4.117	ug/l	95
68) m/p-Xylenes	11.703	106	42708	58.319	ug/l	97
69) o-Xylene	12.032	106	24391	36.167	ug/l	99
70) Styrene	12.044	104	2629	2.366	ug/l #	1
74) N-amyl acetate	12.124	43	1604	5.222	ug/l #	52
76) 1,2,3-Trichloropropane	12.483	75	8548	49.773	ug/l #	100
79) 2-Chlorotoluene	12.739	91	1379	1.494	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.819	105	5166	4.752	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.483	75	8548	103.422	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.123	105	8562	7.979	ug/l	100
85) sec-Butylbenzene	13.123	105	8562	5.879	ug/l #	57
95) Naphthalene	15.245	128	107648	174.288	ug/l	100

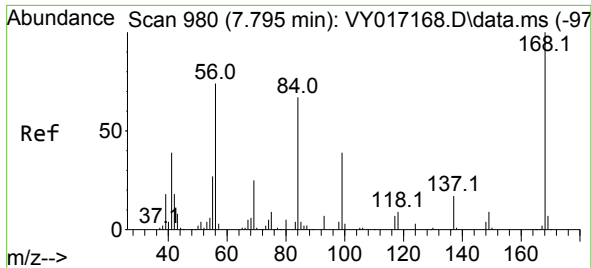
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020824\
Data File : VY017315.D
Acq On : 08 Feb 2024 16:10
Operator : SY/MD
Sample : P1387-01
Misc : 5.10g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Feb 09 00:13:55 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

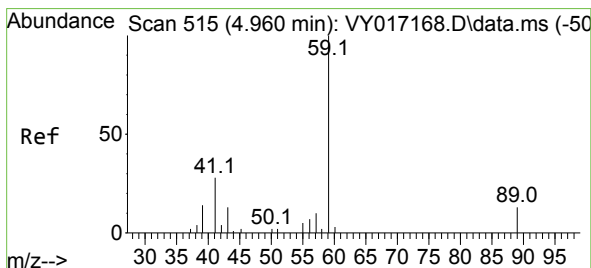
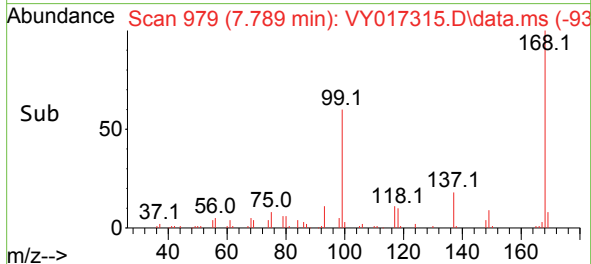
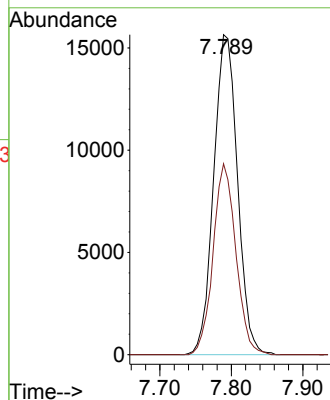
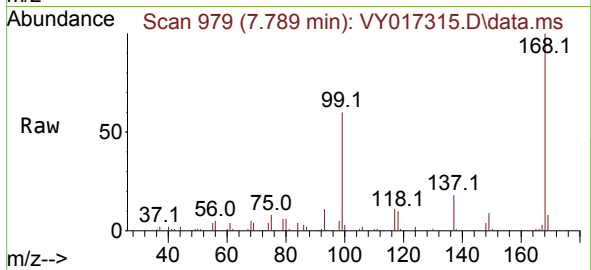




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017315.D
Acq: 08 Feb 2024 16:10

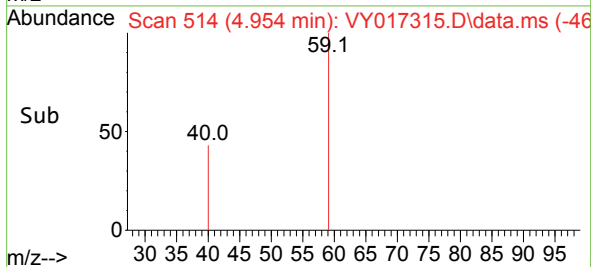
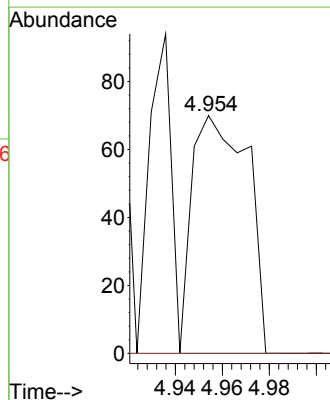
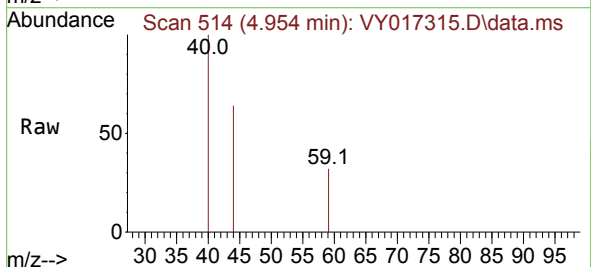
Instrument :
MSVOA_Y
ClientSampleId :

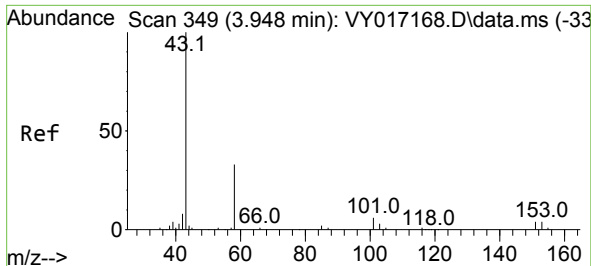
Tgt Ion:168 Resp: 36204
Ion Ratio Lower Upper
168 100
99 59.7 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. -0.006 min
Lab File: VY017315.D
Acq: 08 Feb 2024 16:10

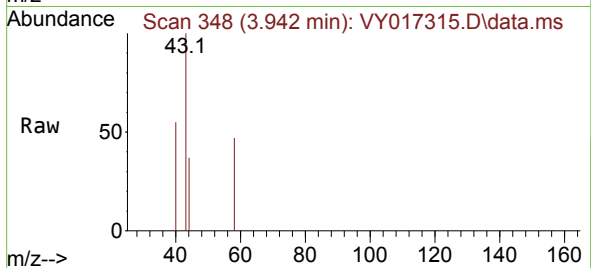
Tgt Ion: 59 Resp: 115
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



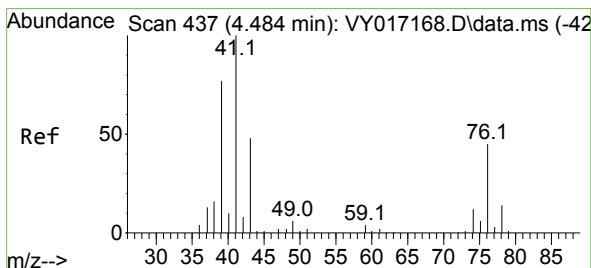
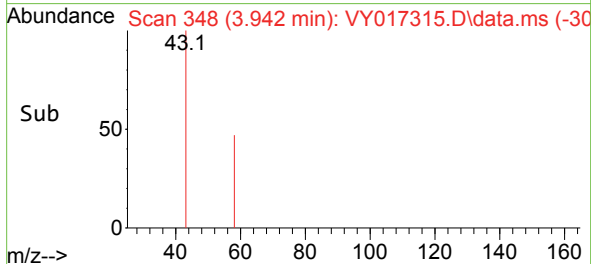
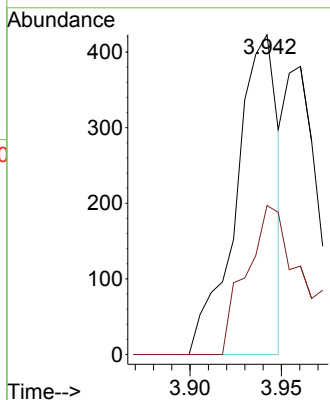


#16
Acetone
Concen: 7.069 ug/l
RT: 3.942 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY017315.D
Acq: 08 Feb 2024 16:10

Instrument :
MSVOA_Y
ClientSampleId :

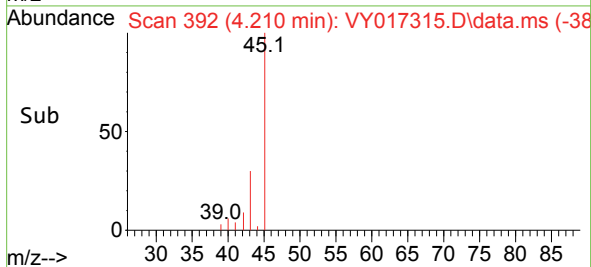
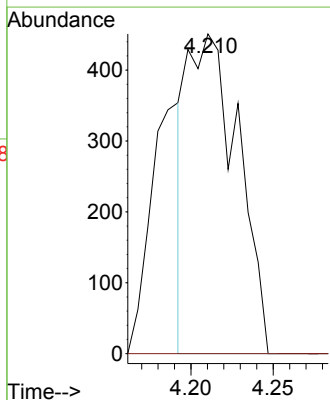
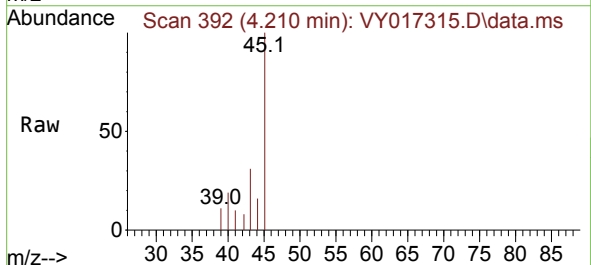


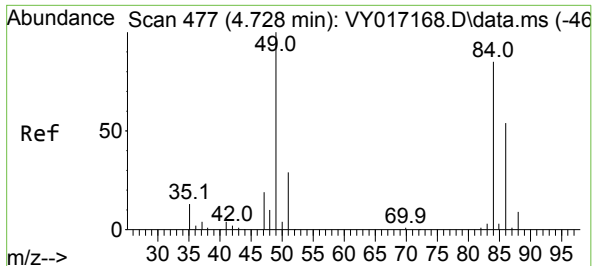
Tgt Ion: 43 Resp: 672
Ion Ratio Lower Upper
43 100
58 46.6 26.6 39.8#



#18
Methyl Acetate
Concen: 4.574 ug/l
RT: 4.210 min Scan# 392
Delta R.T. -0.274 min
Lab File: VY017315.D
Acq: 08 Feb 2024 16:10

Tgt Ion: 43 Resp: 970
Ion Ratio Lower Upper
43 100
74 0.0 19.8 29.6#





#20

Methylene Chloride

Concen: 4.884 ug/l

RT: 4.710 min Scan# 41

Delta R.T. -0.018 min

Lab File: VY017315.D

Acq: 08 Feb 2024 16:10

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 84 Resp: 3132

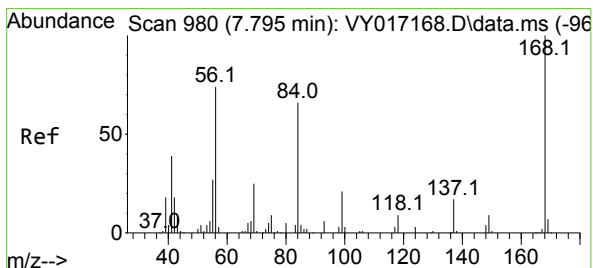
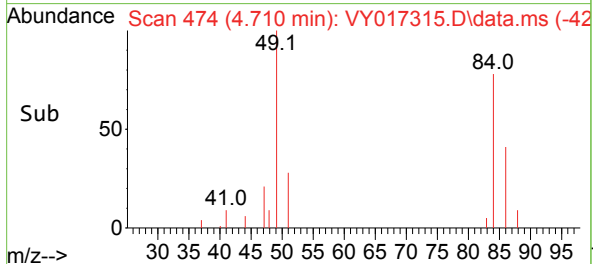
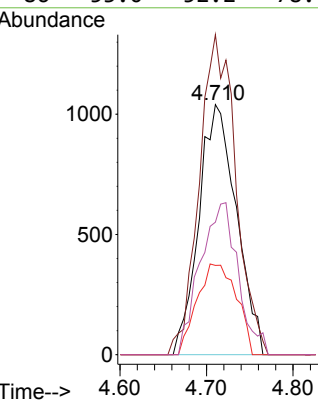
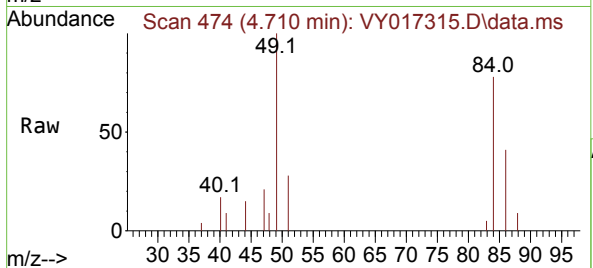
Ion Ratio Lower Upper

84 100

49 128.0 95.2 142.8

51 35.7 29.9 44.9

86 53.0 52.2 78.4



#31

Cyclohexane

Concen: 1.983 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.006 min

Lab File: VY017315.D

Acq: 08 Feb 2024 16:10

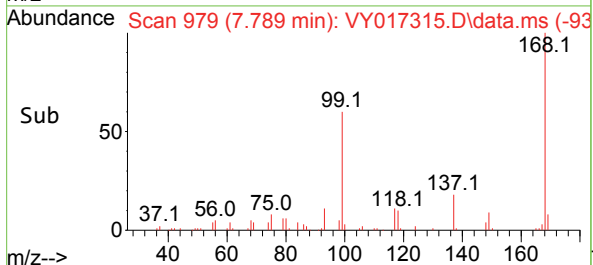
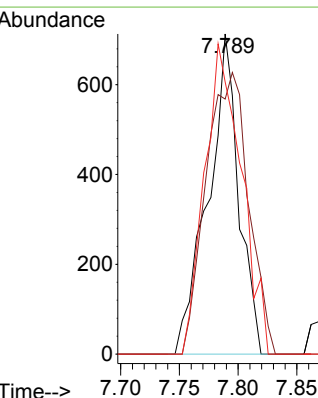
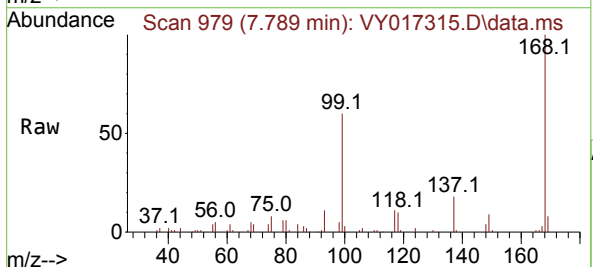
Tgt Ion: 56 Resp: 1293

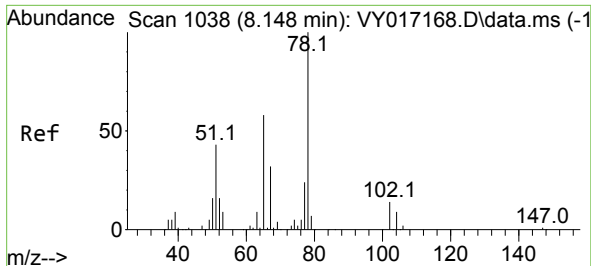
Ion Ratio Lower Upper

56 100

69 79.7 27.0 40.6#

84 85.0 71.8 107.6





#33

1,2-Dichloroethane-d4

Concen: 44.950 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VY017315.D

Acq: 08 Feb 2024 16:10

Instrument :

MSVOA_Y

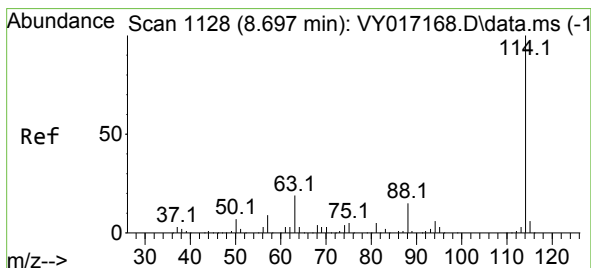
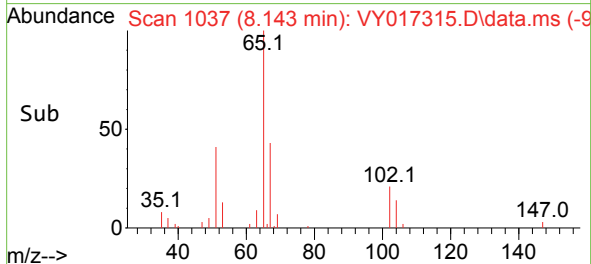
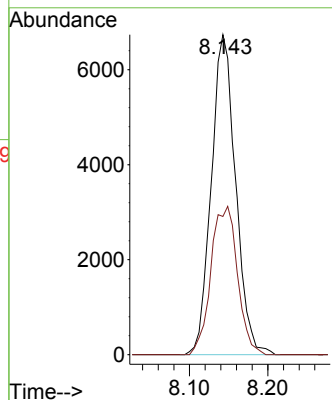
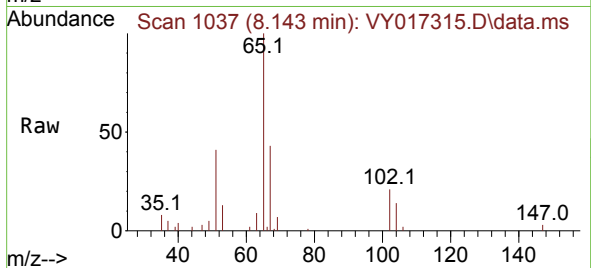
ClientSampleId :

Tgt Ion: 65 Resp: 14538

Ion Ratio Lower Upper

65 100

67 50.6 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: VY017315.D

Acq: 08 Feb 2024 16:10

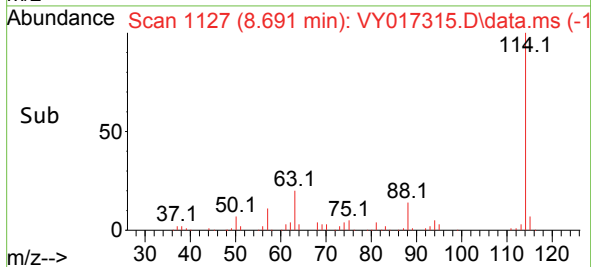
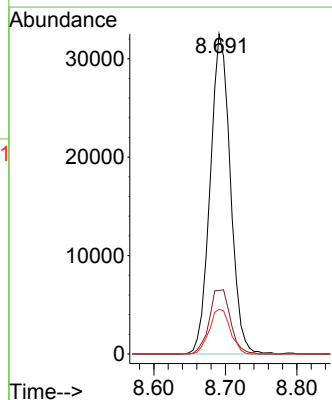
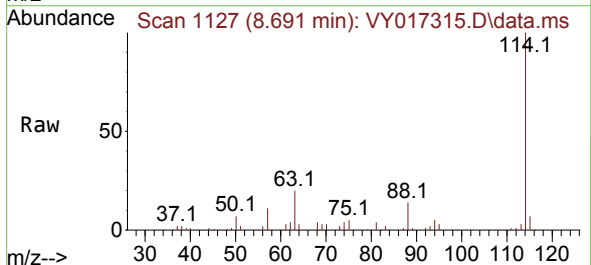
Tgt Ion: 114 Resp: 63608

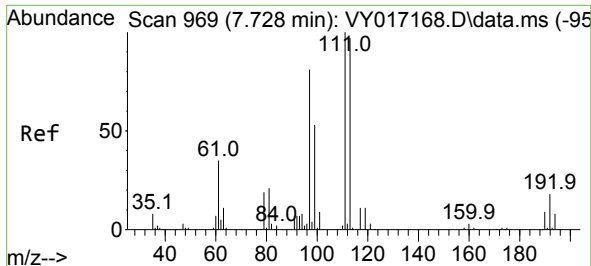
Ion Ratio Lower Upper

114 100

63 19.8 0.0 37.4

88 14.0 0.0 29.0

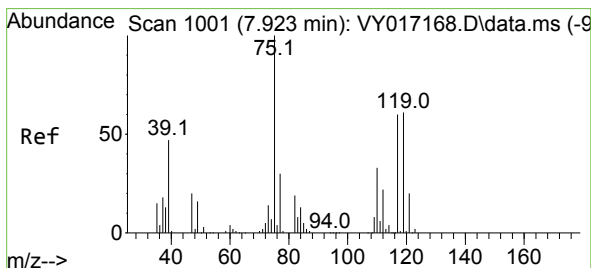
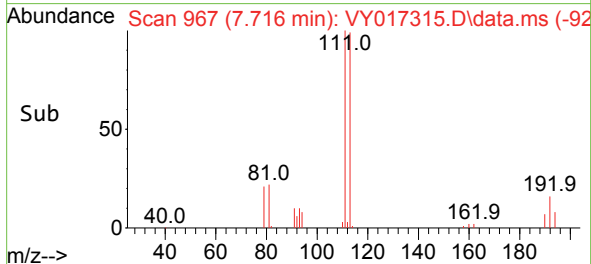
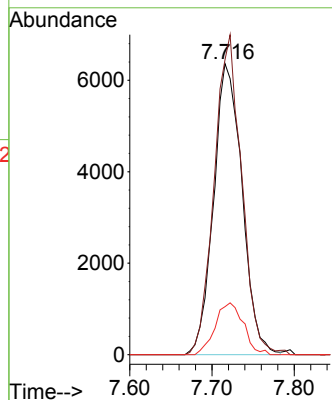
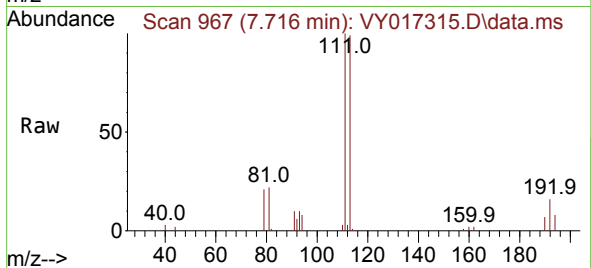




#35
Dibromofluoromethane
Concen: 44.610 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.012 min
Lab File: VY017315.D
Acq: 08 Feb 2024 16:10

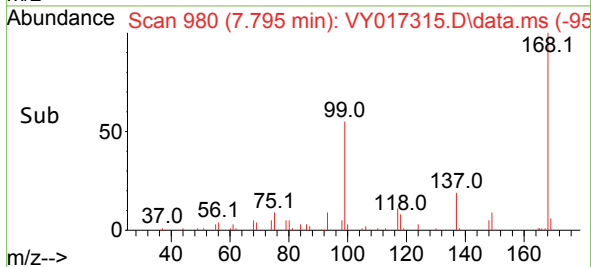
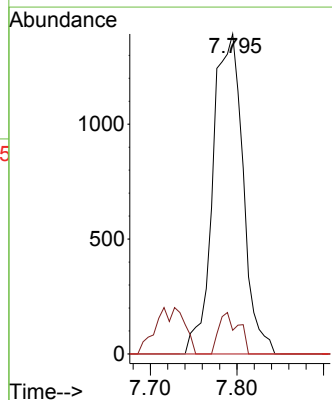
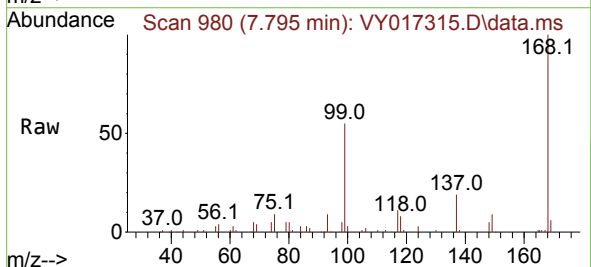
Instrument :
MSVOA_Y
ClientSampleId :

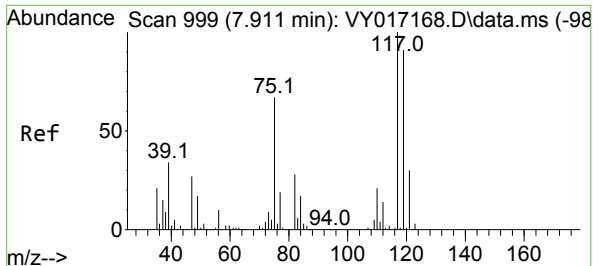
Tgt Ion:113 Resp: 15321
Ion Ratio Lower Upper
113 100
111 105.8 83.8 125.6
192 17.7 14.5 21.7



#36
1,1-Dichloropropene
Concen: 5.675 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY017315.D
Acq: 08 Feb 2024 16:10

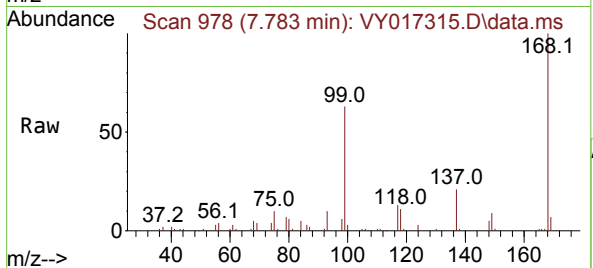
Tgt Ion: 75 Resp: 3362
Ion Ratio Lower Upper
75 100
110 8.5 17.4 52.3#
77 0.0 24.7 37.1#



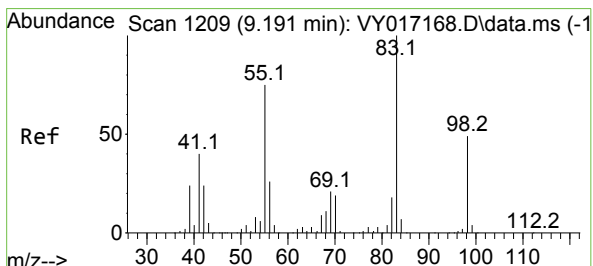
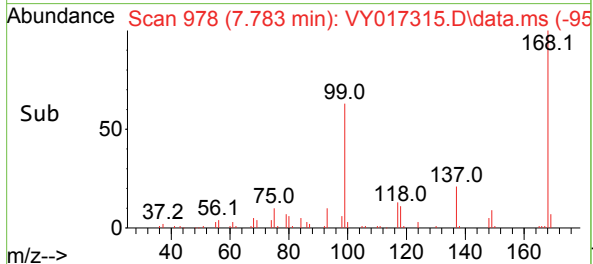
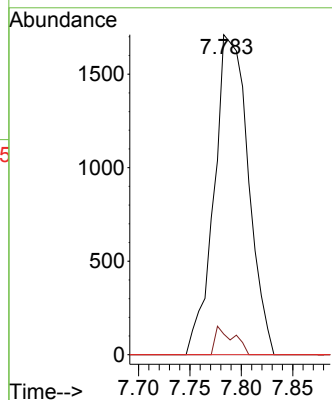


#38
Carbon Tetrachloride
Concen: 6.967 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY017315.D
Acq: 08 Feb 2024 16:10

Instrument :
MSVOA_Y
ClientSampleId :

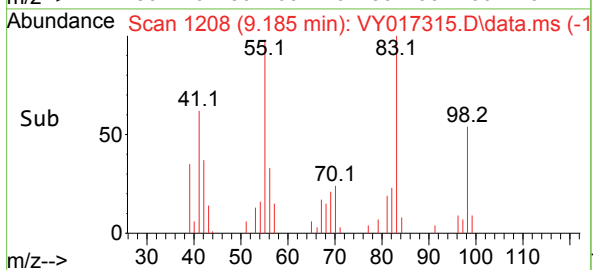
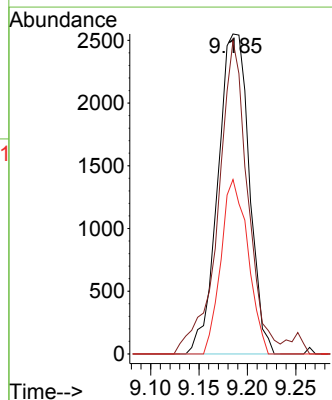
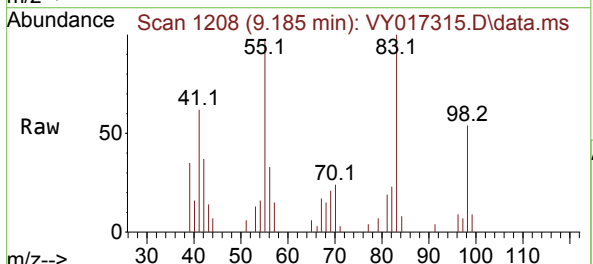


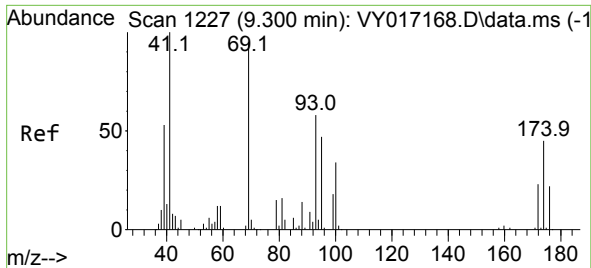
Tgt Ion:117 Resp: 3952
Ion Ratio Lower Upper
117 100
119 6.5 76.0 114.0#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 8.318 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.006 min
Lab File: VY017315.D
Acq: 08 Feb 2024 16:10

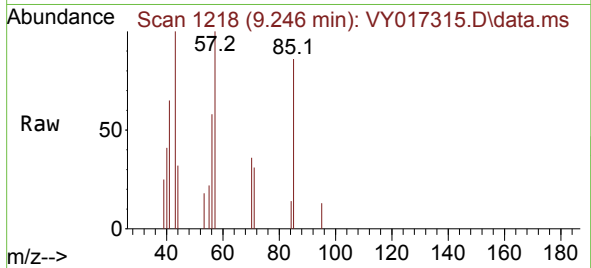
Tgt Ion: 83 Resp: 5757
Ion Ratio Lower Upper
83 100
55 94.7 59.7 89.5#
98 54.5 38.0 57.0



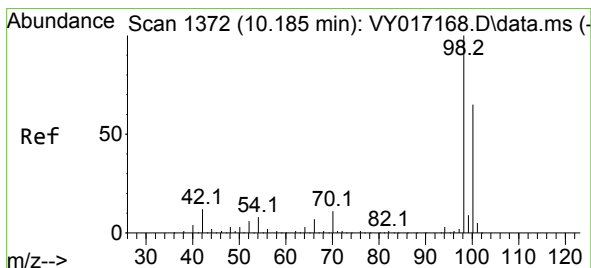
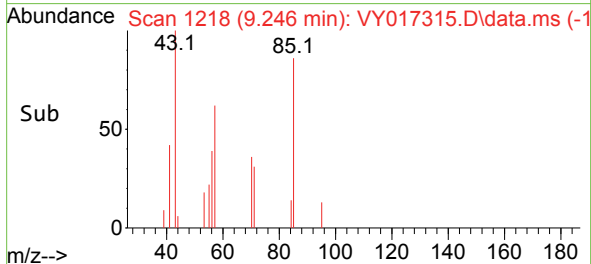
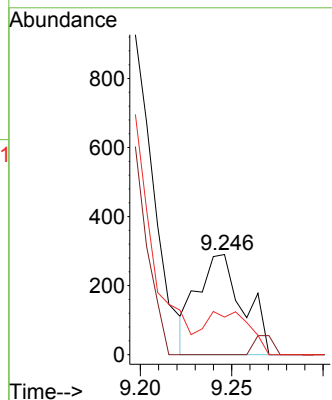


#48
Methyl methacrylate
Concen: 2.218 ug/l
RT: 9.246 min Scan# 1218
Delta R.T. -0.054 min
Lab File: VY017315.D
Acq: 08 Feb 2024 16:10

Instrument :
MSVOA_Y
ClientSampleId :

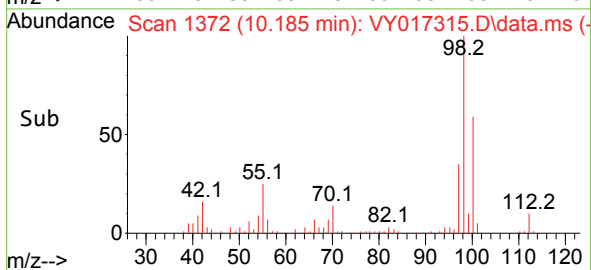
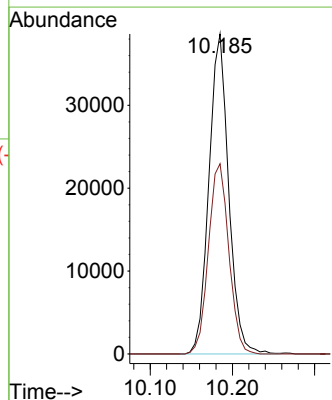
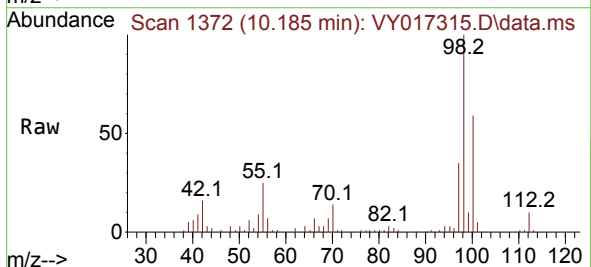


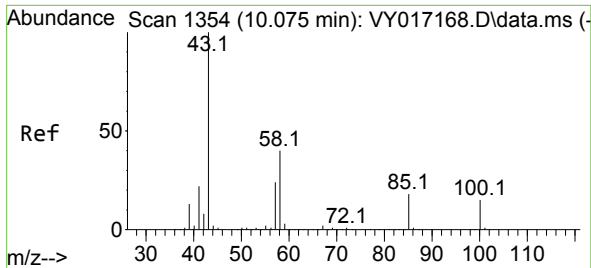
Tgt Ion: 41 Resp: 506
Ion Ratio Lower Upper
41 100
69 0.0 72.1 108.1#
39 42.1 42.8 64.2#



#50
Toluene-d8
Concen: 51.568 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY017315.D
Acq: 08 Feb 2024 16:10

Tgt Ion: 98 Resp: 64483
Ion Ratio Lower Upper
98 100
100 61.3 52.3 78.5

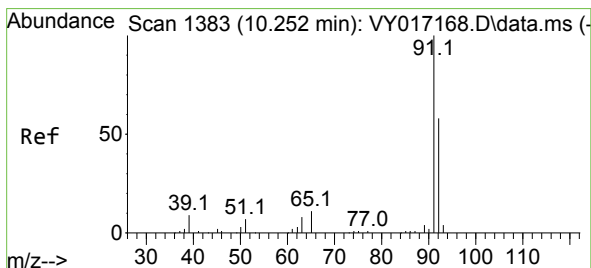
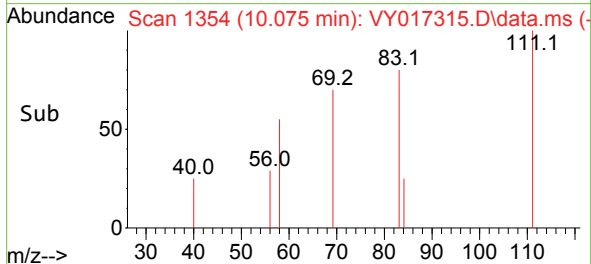
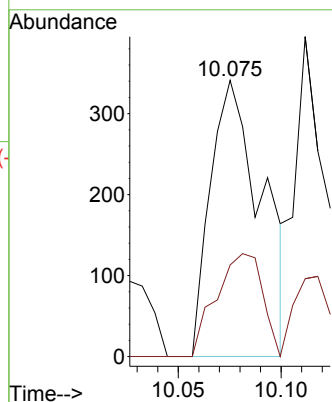
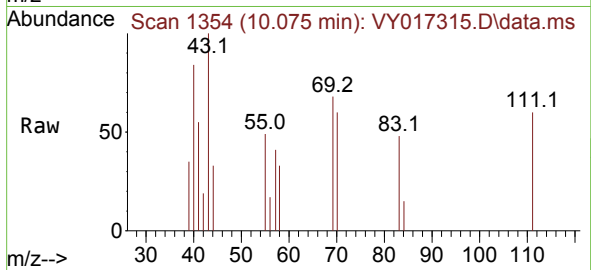




#51
4-Methyl-2-Pentanone
Concen: 2.278 ug/l
RT: 10.075 min Scan# 111
Delta R.T. 0.000 min
Lab File: VY017315.D
Acq: 08 Feb 2024 16:10

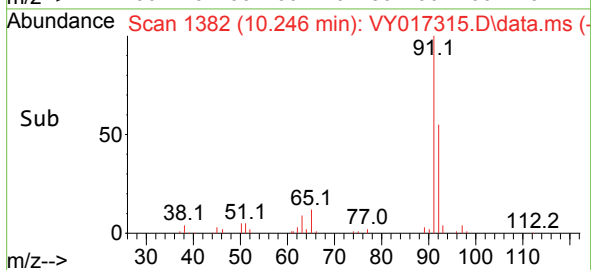
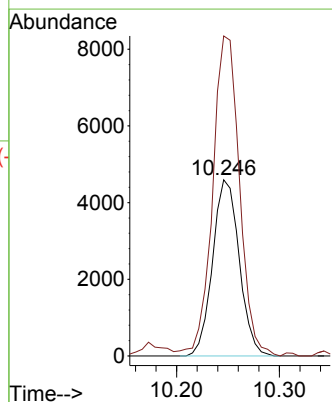
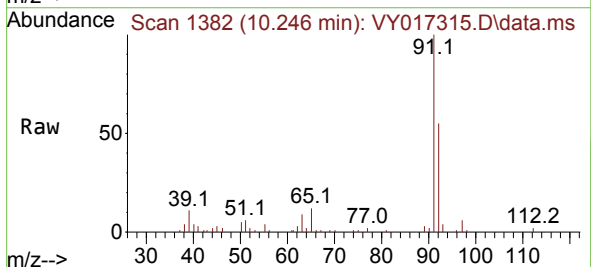
Instrument :
MSVOA_Y
ClientSampleId :

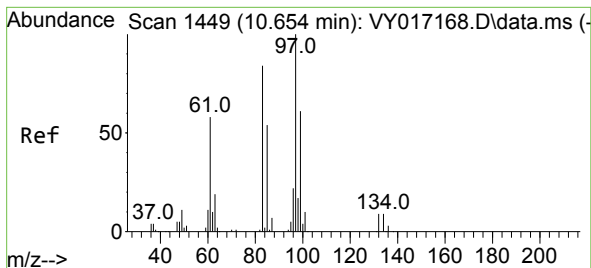
Tgt Ion: 43 Resp: 594
Ion Ratio Lower Upper
43 100
58 33.5 32.2 48.2



#52
Toluene
Concen: 8.085 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.006 min
Lab File: VY017315.D
Acq: 08 Feb 2024 16:10

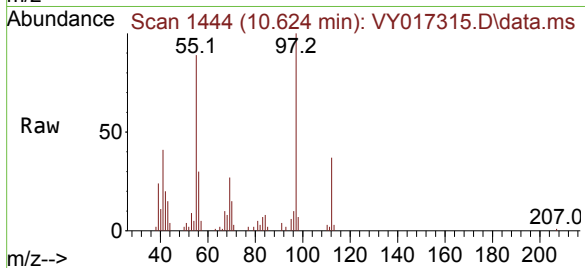
Tgt Ion: 92 Resp: 8256
Ion Ratio Lower Upper
92 100
91 183.1 137.6 206.4



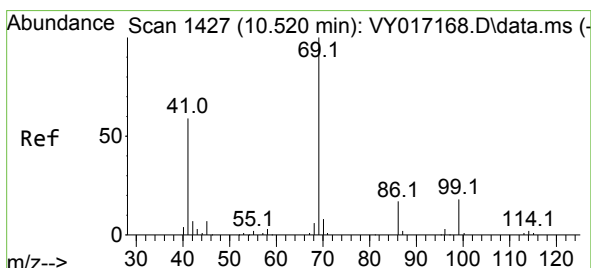
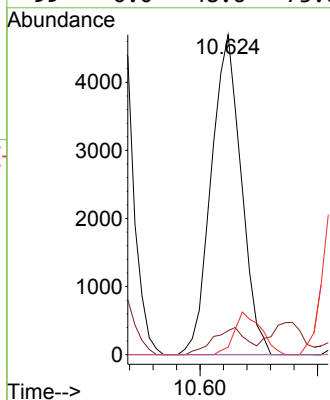
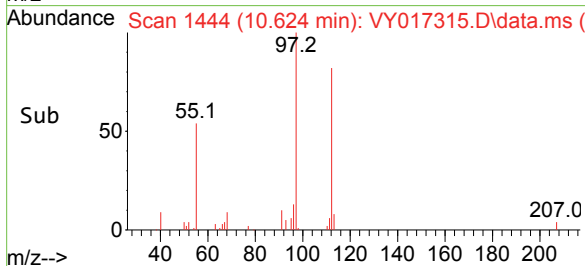


#55
1,1,2-Trichloroethane
Concen: 27.253 ug/l
RT: 10.624 min Scan# 1444
Delta R.T. -0.030 min
Lab File: VY017315.D
Acq: 08 Feb 2024 16:10

Instrument :
MSVOA_Y
ClientSampleId :

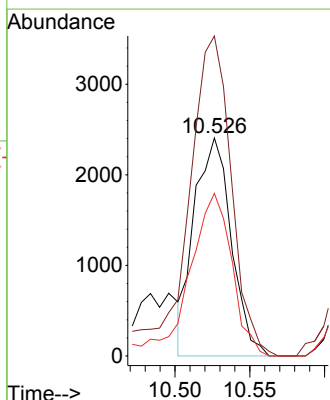
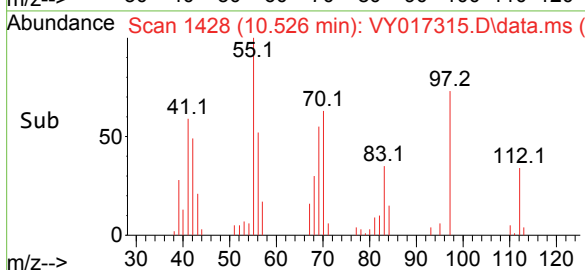
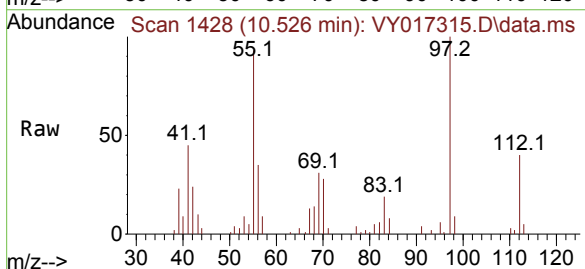


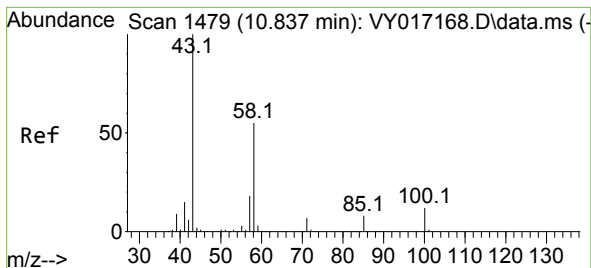
Tgt Ion: 97	Resp: 8323
Ion Ratio	Lower Upper
97 100	
83 7.5	69.4 104.2#
85 2.4	43.9 65.9#
99 0.0	48.6 73.0#



#56
Ethyl methacrylate
Concen: 12.468 ug/l
RT: 10.526 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VY017315.D
Acq: 08 Feb 2024 16:10

Tgt Ion: 69	Resp: 4137
Ion Ratio	Lower Upper
69 100	
41 181.3	49.2 73.8#
39 83.9	26.8 40.2#

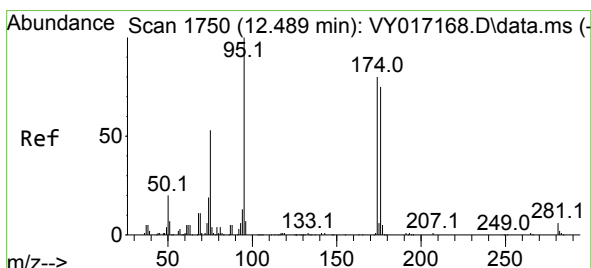
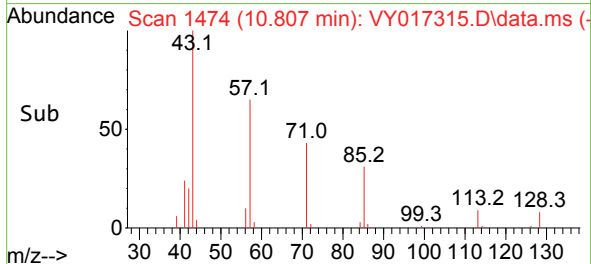
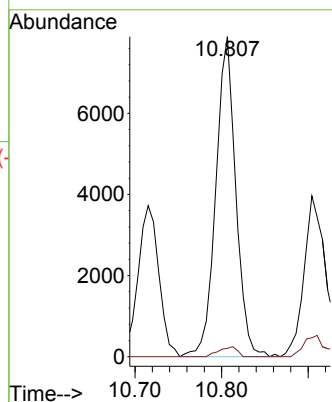
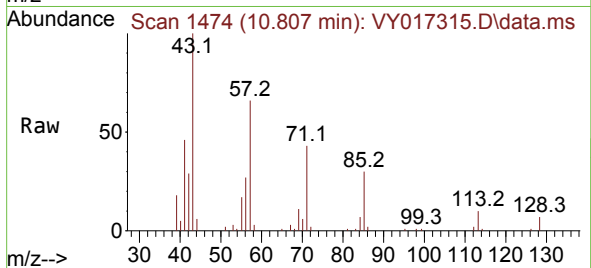




#59
2-Hexanone
Concen: 67.143 ug/l
RT: 10.807 min Scan# 1479
Delta R.T. -0.030 min
Lab File: VY017315.D
Acq: 08 Feb 2024 16:10

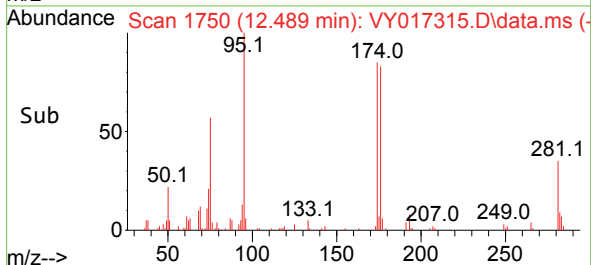
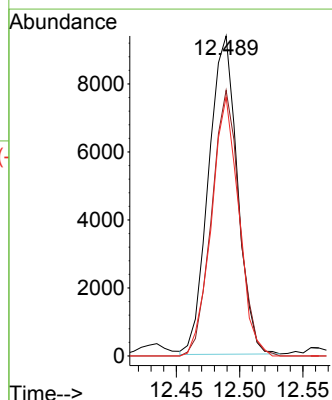
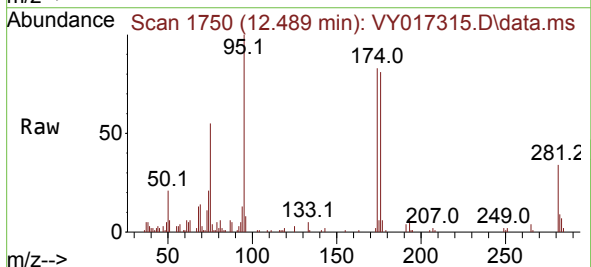
Instrument :
MSVOA_Y
ClientSampleId :

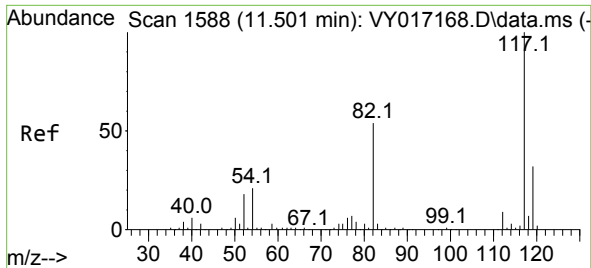
Tgt Ion: 43 Resp: 12659
Ion Ratio Lower Upper
43 100
58 2.8 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 36.255 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VY017315.D
Acq: 08 Feb 2024 16:10

Tgt Ion: 95 Resp: 14851
Ion Ratio Lower Upper
95 100
174 80.4 0.0 160.0
176 77.2 0.0 151.8

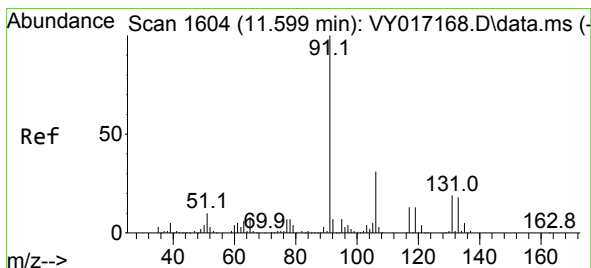
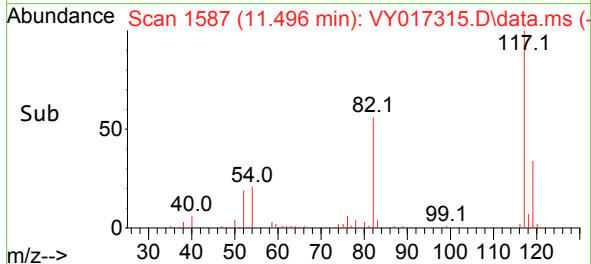
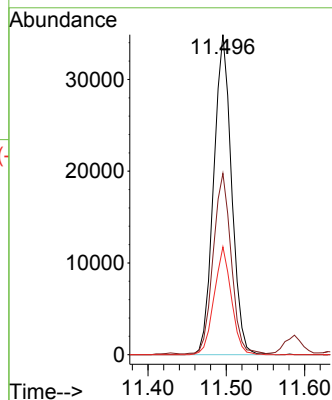
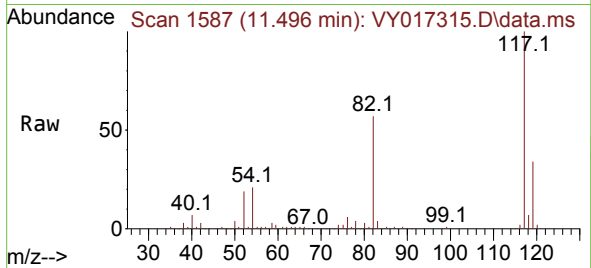




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY017315.D
Acq: 08 Feb 2024 16:10

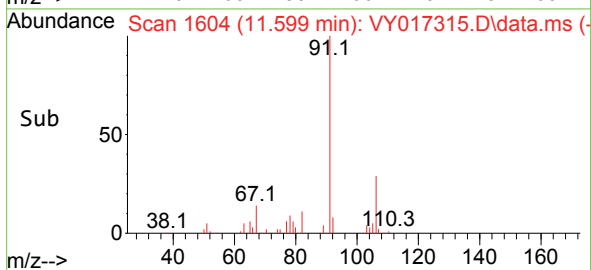
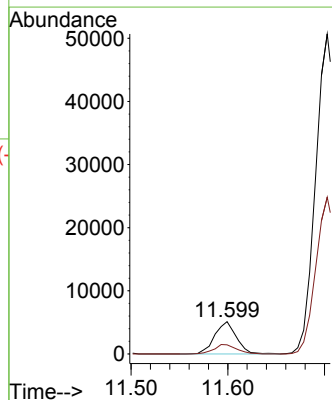
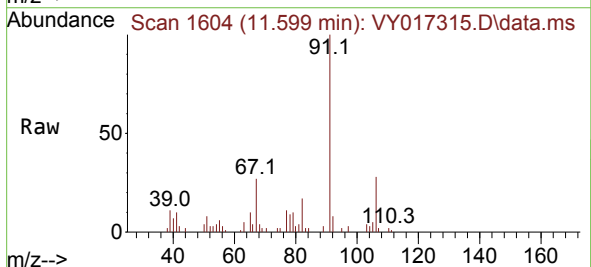
Instrument :
MSVOA_Y
ClientSampleId :

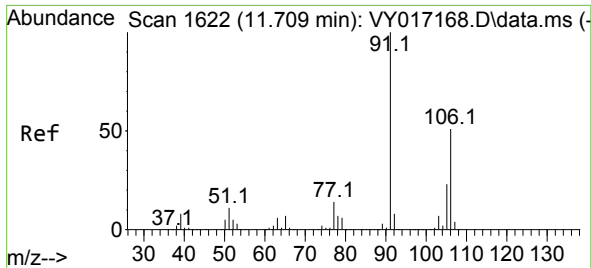
Tgt Ion:117 Resp: 55350
Ion Ratio Lower Upper
117 100
82 56.4 43.8 65.8
119 33.7 26.5 39.7



#67
Ethyl Benzene
Concen: 4.117 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. 0.000 min
Lab File: VY017315.D
Acq: 08 Feb 2024 16:10

Tgt Ion: 91 Resp: 7945
Ion Ratio Lower Upper
91 100
106 28.3 25.0 37.4

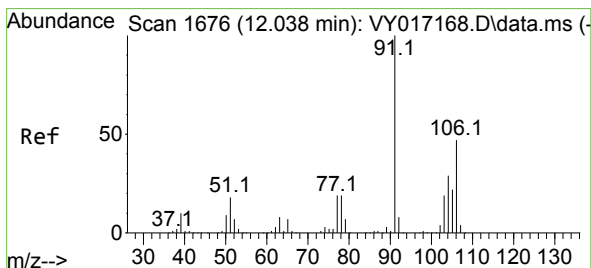
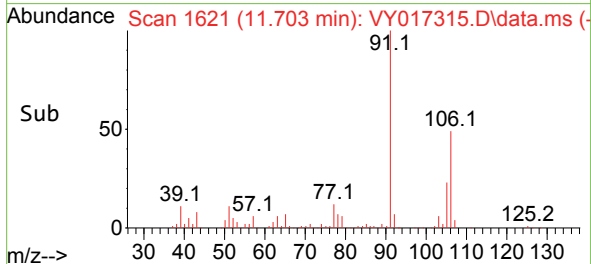
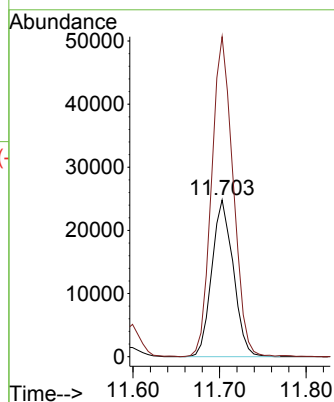
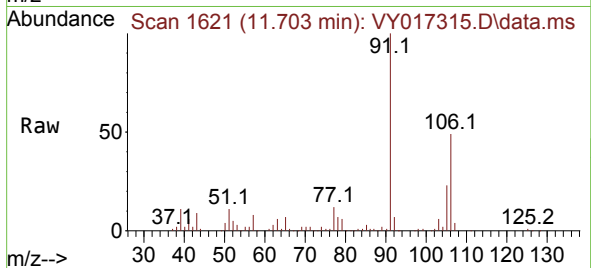




#68
m/p-Xylenes
Concen: 58.319 ug/l
RT: 11.703 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY017315.D
Acq: 08 Feb 2024 16:10

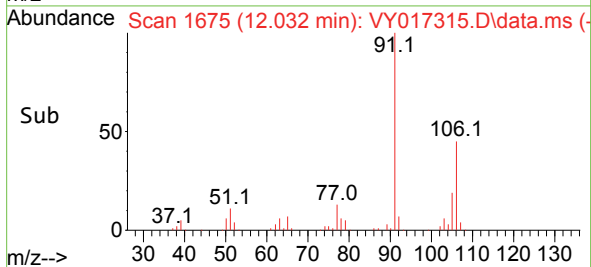
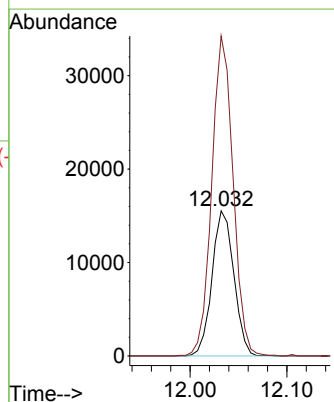
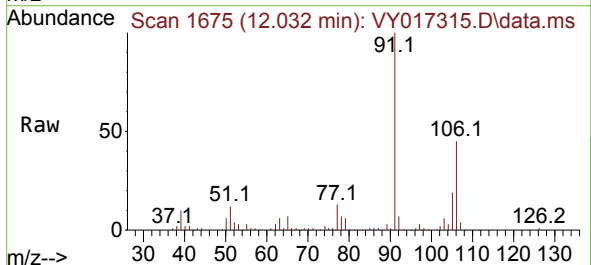
Instrument :
MSVOA_Y
ClientSampleId :

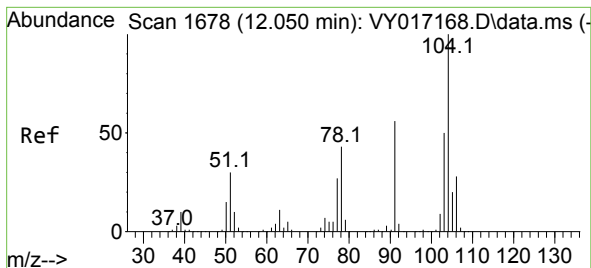
Tgt Ion:106 Resp: 42708
Ion Ratio Lower Upper
106 100
91 205.0 160.7 241.1



#69
o-Xylene
Concen: 36.167 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VY017315.D
Acq: 08 Feb 2024 16:10

Tgt Ion:106 Resp: 24391
Ion Ratio Lower Upper
106 100
91 215.3 106.5 319.5





#70

Styrene

Concen: 2.366 ug/l

RT: 12.044 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY017315.D

Acq: 08 Feb 2024 16:10

Instrument :

MSVOA_Y

ClientSampleId :

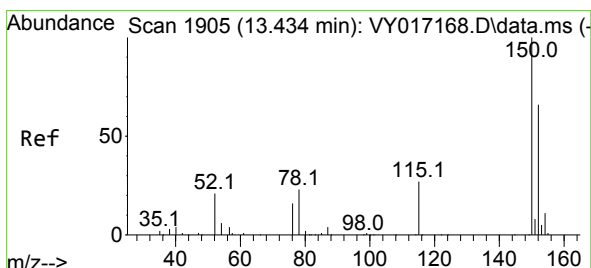
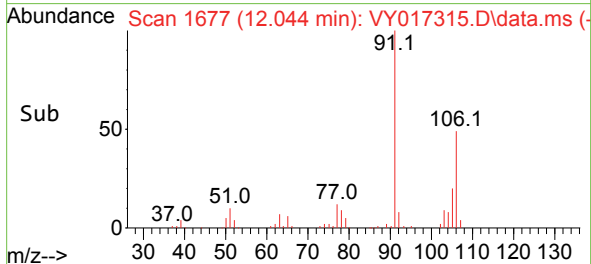
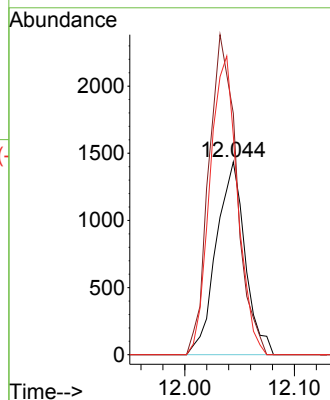
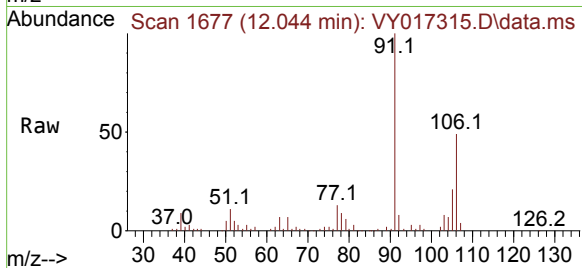
Tgt Ion:104 Resp: 2629

Ion Ratio Lower Upper

104 100

78 160.7 39.2 58.8#

103 148.1 43.8 65.6#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY017315.D

Acq: 08 Feb 2024 16:10

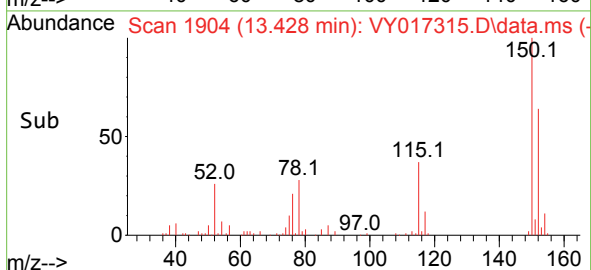
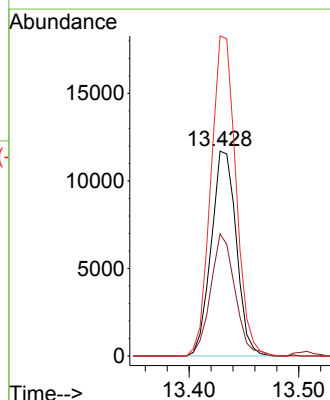
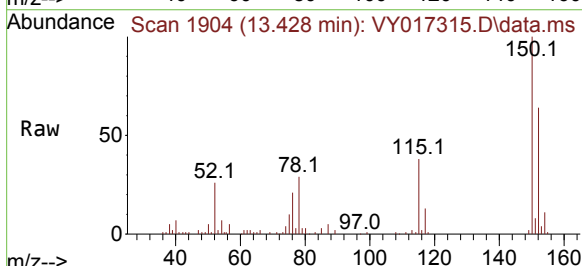
Tgt Ion:152 Resp: 18607

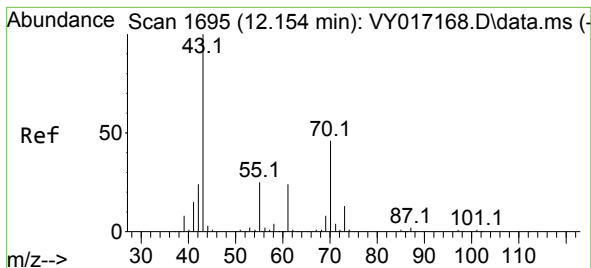
Ion Ratio Lower Upper

152 100

115 58.2 30.0 90.0

150 155.7 0.0 344.6





#74

N-amy1 acetate

Concen: 5.222 ug/l

RT: 12.124 min Scan# 1

Delta R.T. -0.030 min

Lab File: VY017315.D

Acq: 08 Feb 2024 16:10

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 43 Resp: 1604

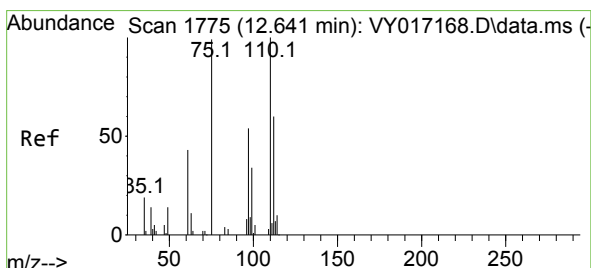
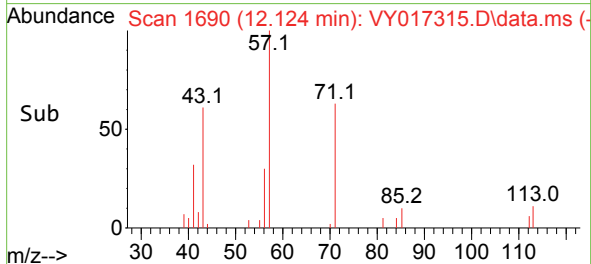
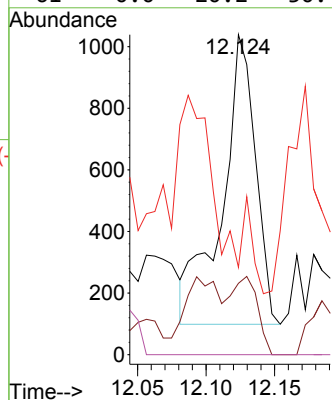
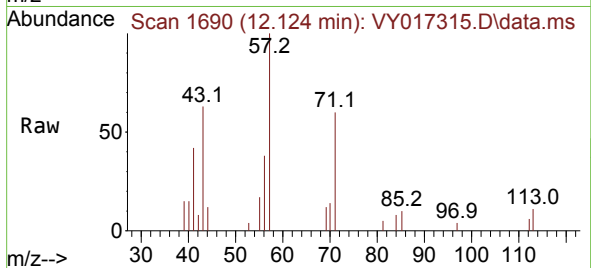
Ion Ratio Lower Upper

43 100

70 17.3 36.6 55.0#

55 0.0 22.2 33.4#

61 0.0 20.2 30.4#



#76

1,2,3-Trichloropropane

Concen: 49.773 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.158 min

Lab File: VY017315.D

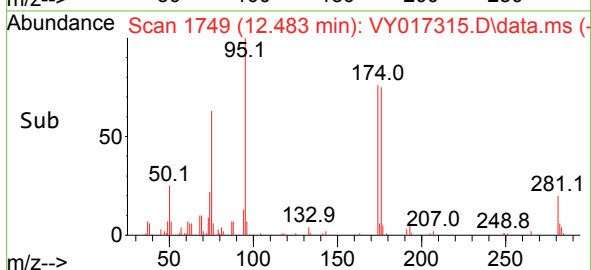
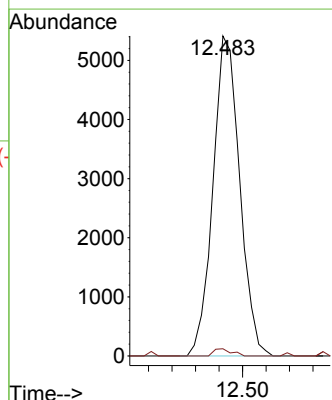
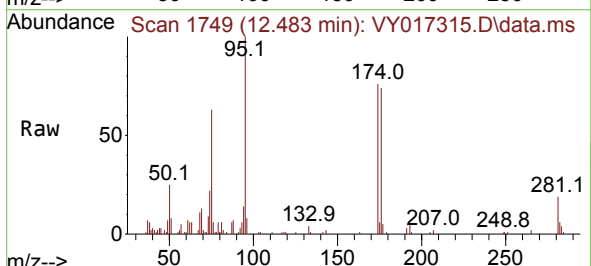
Acq: 08 Feb 2024 16:10

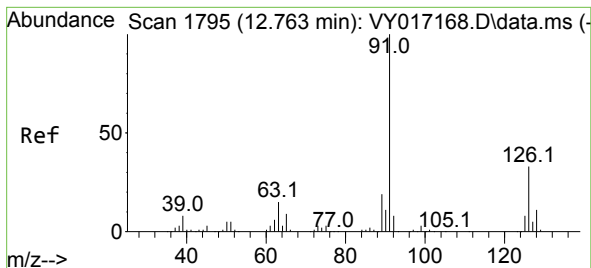
Tgt Ion: 75 Resp: 8548

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#

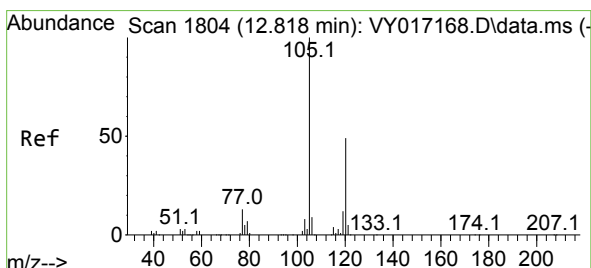
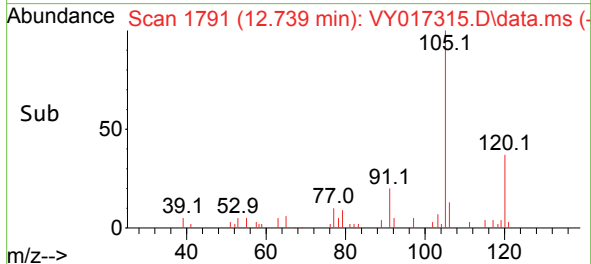
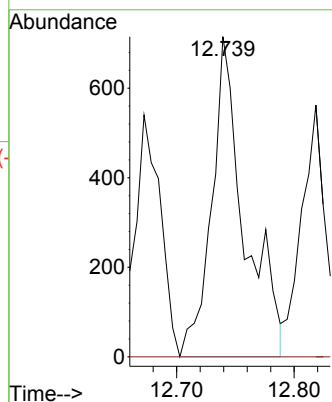
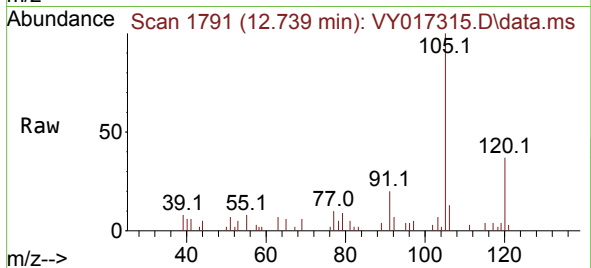




#79
2-Chlorotoluene
Concen: 1.494 ug/l
RT: 12.739 min Scan# 1791
Delta R.T. -0.024 min
Lab File: VY017315.D
Acq: 08 Feb 2024 16:10

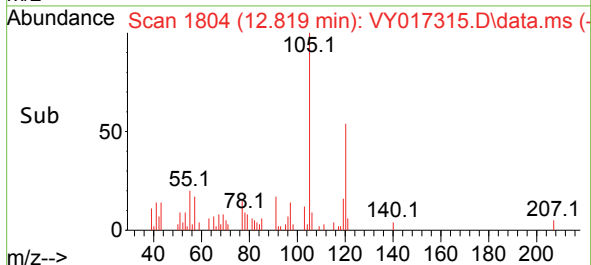
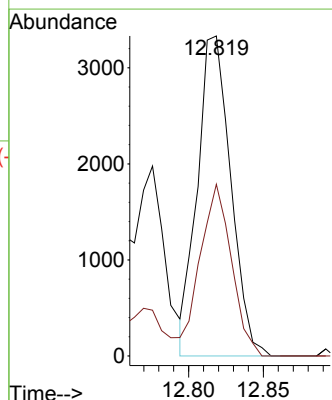
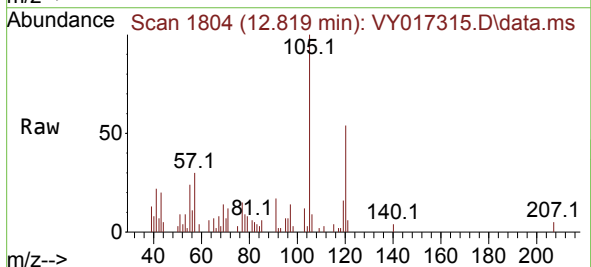
Instrument :
MSVOA_Y
ClientSampleId :

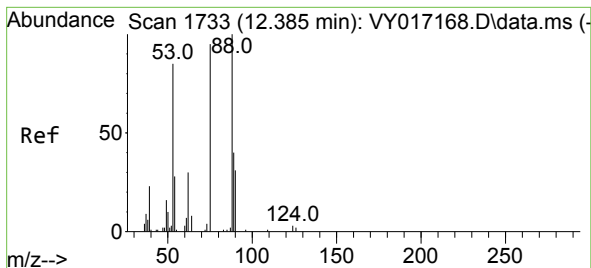
Tgt Ion: 91 Resp: 1379
Ion Ratio Lower Upper
91 100
126 0.0 17.0 51.0#



#80
1,3,5-Trimethylbenzene
Concen: 4.752 ug/l
RT: 12.819 min Scan# 1804
Delta R.T. 0.000 min
Lab File: VY017315.D
Acq: 08 Feb 2024 16:10

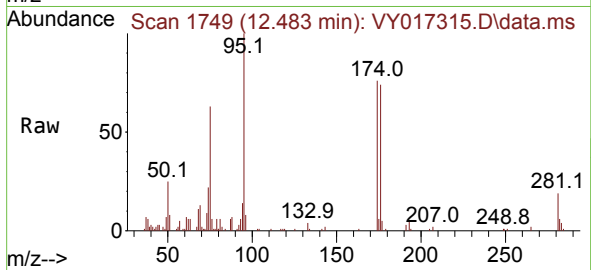
Tgt Ion: 105 Resp: 5166
Ion Ratio Lower Upper
105 100
120 51.6 24.3 72.8



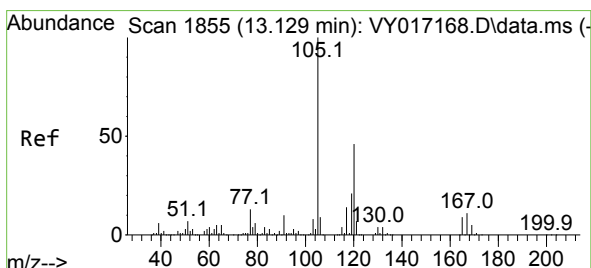
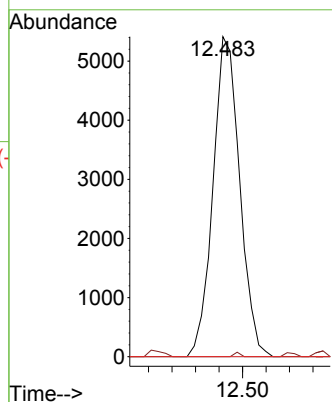
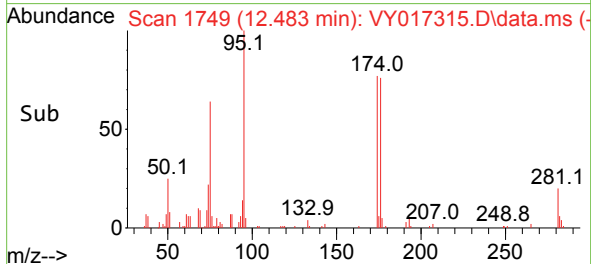


#81
trans-1,4-Dichloro-2-butene
Concen: 103.422 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.098 min
Lab File: VY017315.D
Acq: 08 Feb 2024 16:10

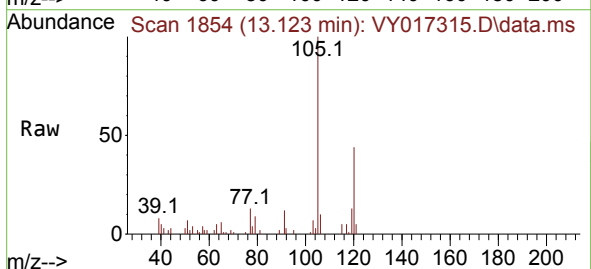
Instrument :
MSVOA_Y
ClientSampleId :



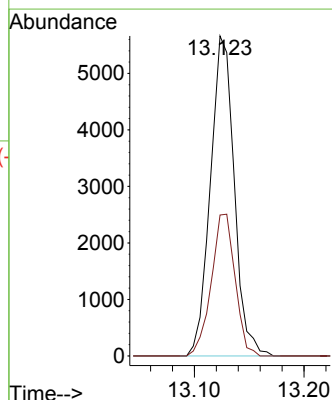
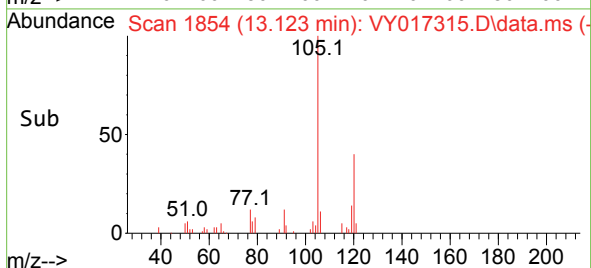
Tgt Ion: 75 Resp: 8548
Ion Ratio Lower Upper
75 100
53 0.3 74.0 111.0#
89 0.0 36.5 54.7#

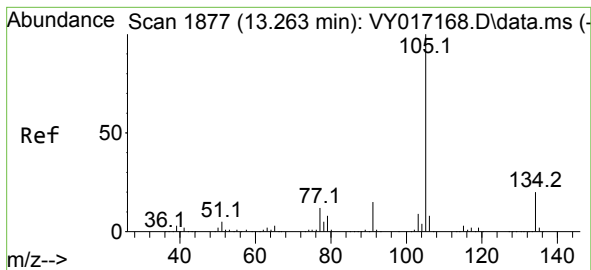


#84
1,2,4-Trimethylbenzene
Concen: 7.979 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.006 min
Lab File: VY017315.D
Acq: 08 Feb 2024 16:10



Tgt Ion: 105 Resp: 8562
Ion Ratio Lower Upper
105 100
120 44.1 22.1 66.3





#85

sec-Butylbenzene

Concen: 5.879 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. -0.140 min

Lab File: VY017315.D

Acq: 08 Feb 2024 16:10

Instrument :

MSVOA_Y

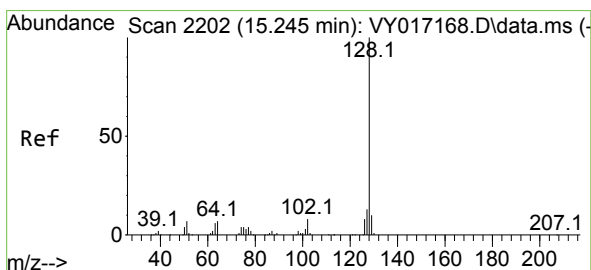
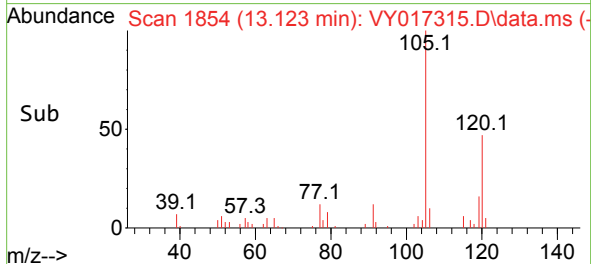
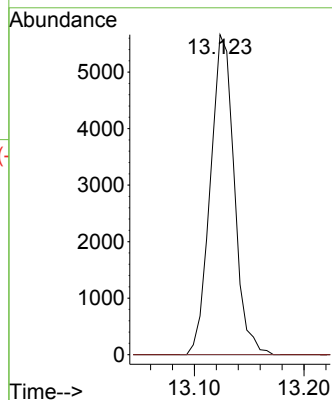
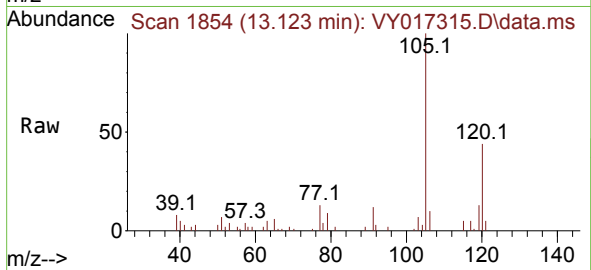
ClientSampleId :

Tgt Ion:105 Resp: 8562

Ion Ratio Lower Upper

105 100

134 0.0 9.7 28.9#



#95

Naphthalene

Concen: 174.288 ug/l

RT: 15.245 min Scan# 2202

Delta R.T. -0.000 min

Lab File: VY017315.D

Acq: 08 Feb 2024 16:10

Tgt Ion:128 Resp: 107648

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

129 10.6 8.6 12.8

