

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020824\
 Data File : VY017327.D
 Acq On : 08 Feb 2024 20:58
 Operator : SY/MD
 Sample : P1387-01RE
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 09 00:17:57 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)

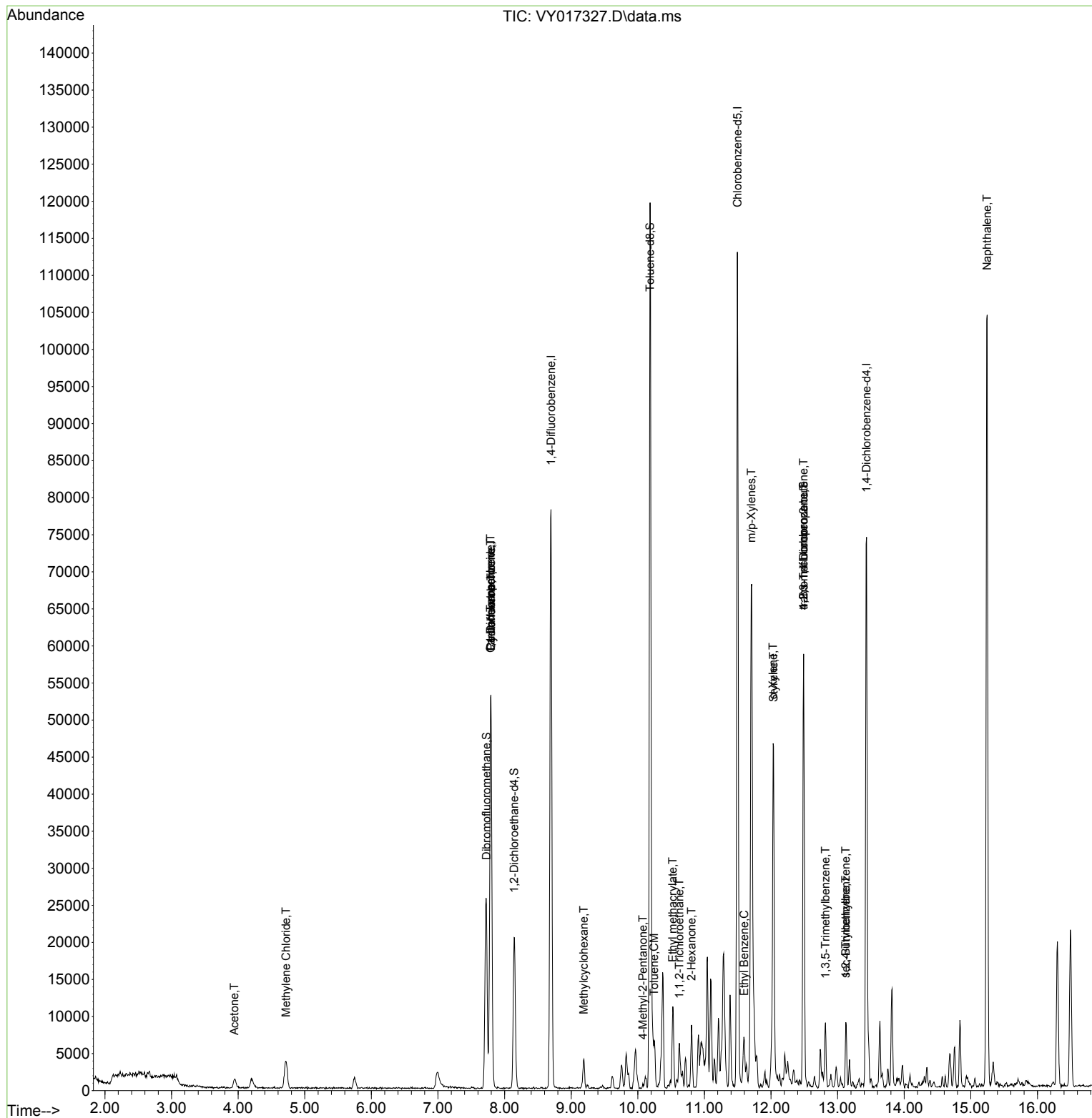
Internal Standards						
1) Pentafluorobenzene	7.795	168	40443	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	69286	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	59526	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	19516	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	15637	43.281	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	86.560%
35) Dibromofluoromethane	7.728	113	18758	50.142	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.280%
50) Toluene-d8	10.185	98	69223	50.822	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.640%
62) 4-Bromofluorobenzene	12.489	95	16937	37.959	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	75.920%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	73	Below Cal	#	75
16) Acetone	3.942	43	2290	21.565	ug/l	92
20) Methylene Chloride	4.716	84	3042	3.754	ug/l #	83
31) Cyclohexane	7.795	56	971	1.333	ug/l #	13
36) 1,1-Dichloropropene	7.789	75	3607	5.590	ug/l #	44
38) Carbon Tetrachloride	7.789	117	4141	6.702	ug/l #	18
39) Methylcyclohexane	9.191	83	1436	1.905	ug/l #	91
51) 4-Methyl-2-Pentanone	10.075	43	300	1.056	ug/l	90
52) Toluene	10.246	92	2649	2.382	ug/l	92
55) 1,1,2-Trichloroethane	10.624	97	2068	6.216	ug/l #	20
56) Ethyl methacrylate	10.526	69	1105	5.325	ug/l #	1
59) 2-Hexanone	10.807	43	2759	13.435	ug/l #	26
67) Ethyl Benzene	11.599	91	3527	1.699	ug/l	95
68) m/p-Xylenes	11.703	106	19061	24.202	ug/l	97
69) o-Xylene	12.032	106	11943	16.467	ug/l	98
70) Styrene	12.038	104	1465	1.226	ug/l #	1
76) 1,2,3-Trichloropropane	12.489	75	9150	50.797	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.819	105	2840	2.491	ug/l	89
81) trans-1,4-Dichloro-2-b...	12.489	75	9150	105.549	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.123	105	5032	4.471	ug/l	98
85) sec-Butylbenzene	13.123	105	5032	3.294	ug/l #	57
95) Naphthalene	15.245	128	85635	137.752	ug/l	99

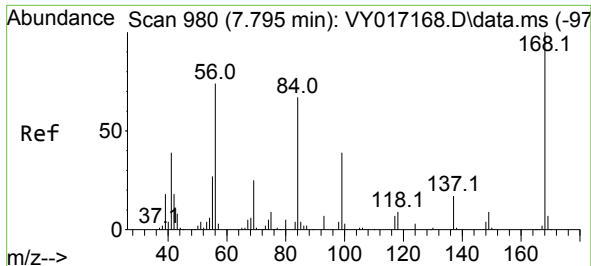
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Feb 02 00:56:04 2024
Response via : Initial Calibration

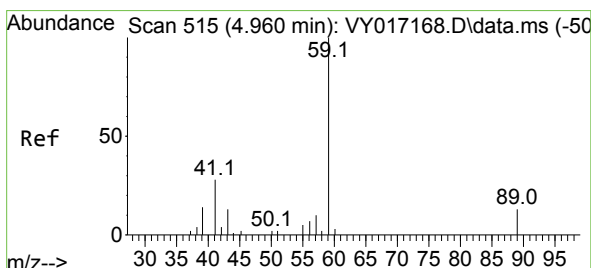
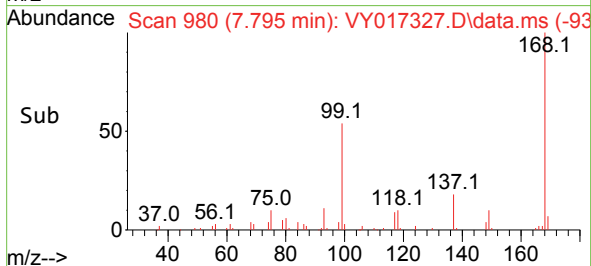
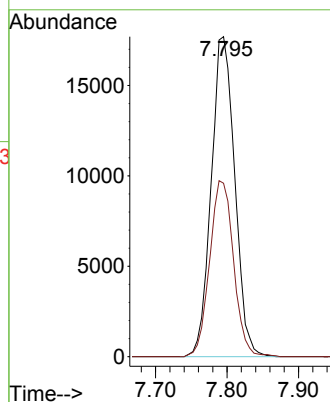
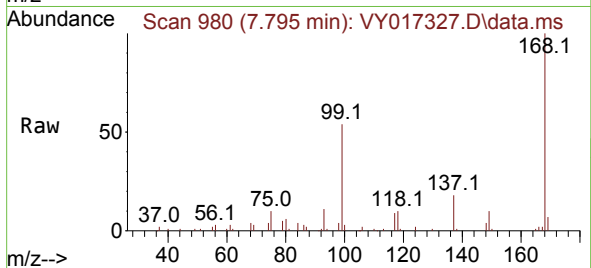




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY017327.D
Acq: 08 Feb 2024 20:58

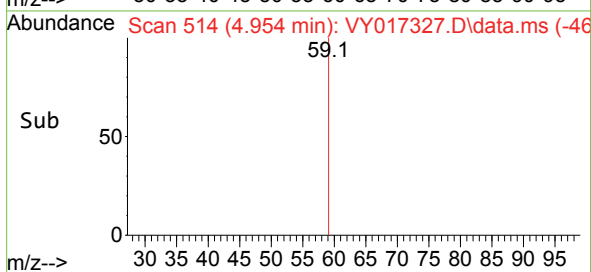
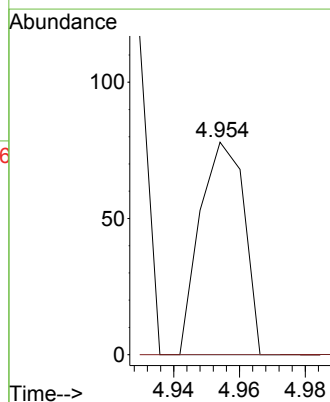
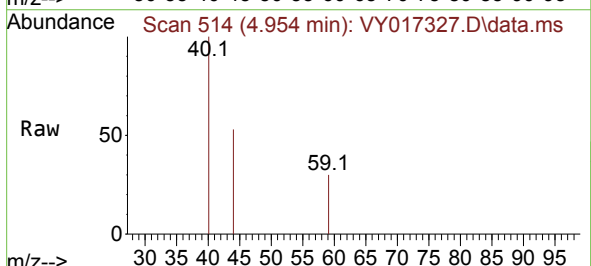
Instrument :
MSVOA_Y
ClientSampleId :

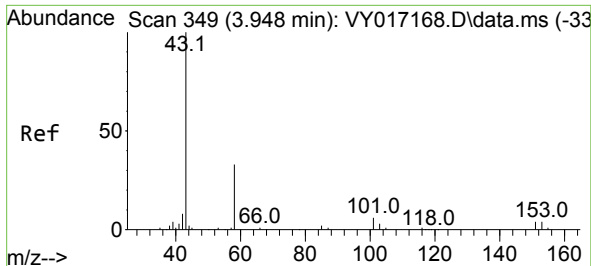
Tgt Ion:168 Resp: 40443
Ion Ratio Lower Upper
168 100
99 54.2 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. -0.006 min
Lab File: VY017327.D
Acq: 08 Feb 2024 20:58

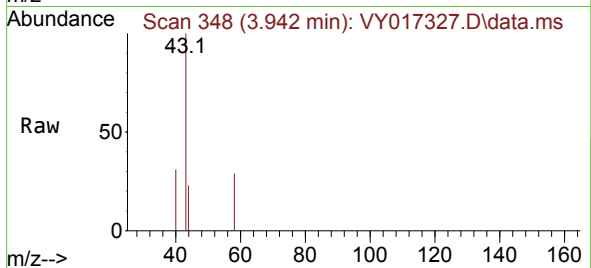
Tgt Ion: 59 Resp: 73
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



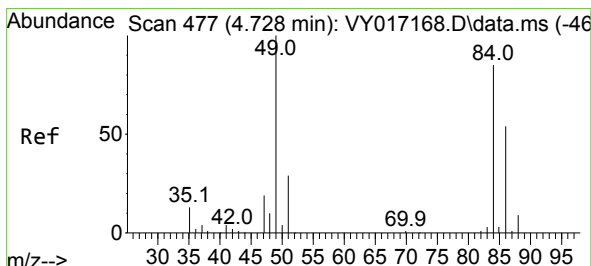
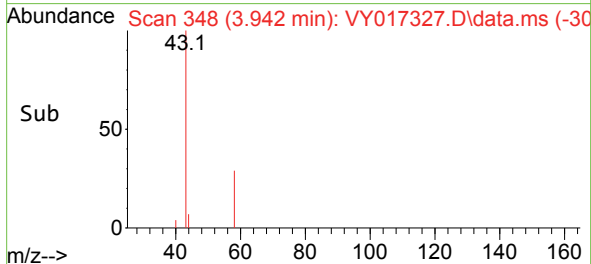
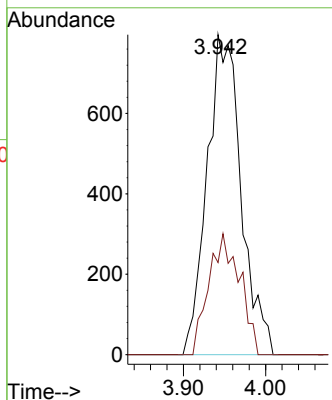


#16
Acetone
Concen: 21.565 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY017327.D
Acq: 08 Feb 2024 20:58

Instrument :
MSVOA_Y
ClientSampleId :

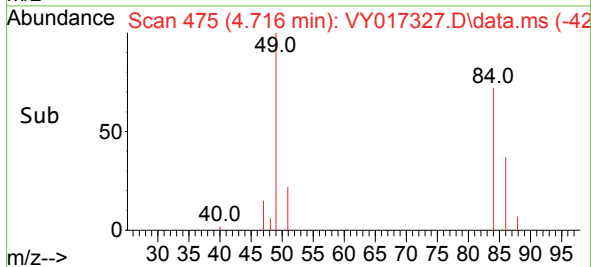
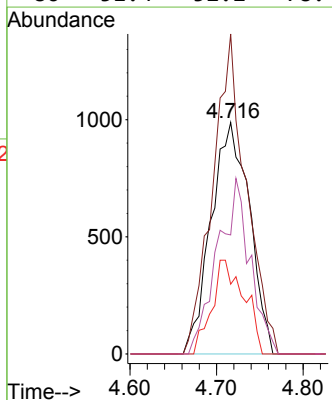
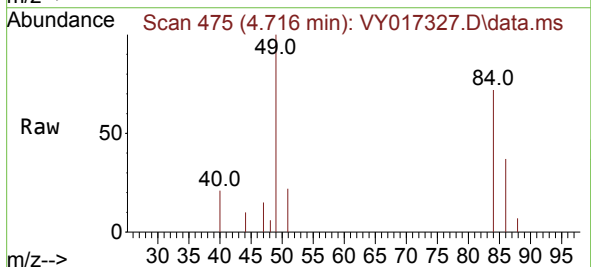


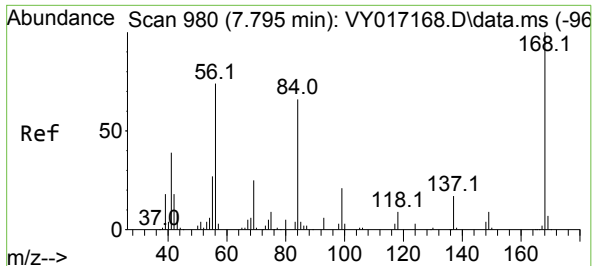
Tgt Ion: 43 Resp: 2290
Ion Ratio Lower Upper
43 100
58 28.8 26.6 39.8



#20
Methylene Chloride
Concen: 3.754 ug/l
RT: 4.716 min Scan# 475
Delta R.T. -0.012 min
Lab File: VY017327.D
Acq: 08 Feb 2024 20:58

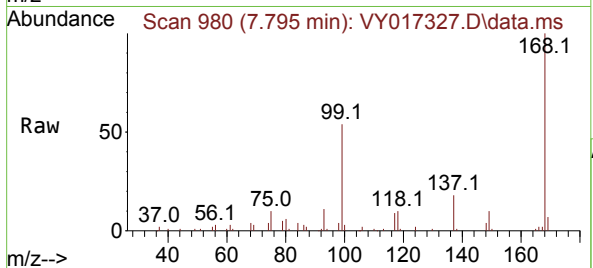
Tgt Ion: 84 Resp: 3042
Ion Ratio Lower Upper
84 100
49 138.3 95.2 142.8
51 30.2 29.9 44.9
86 51.4 52.2 78.4#



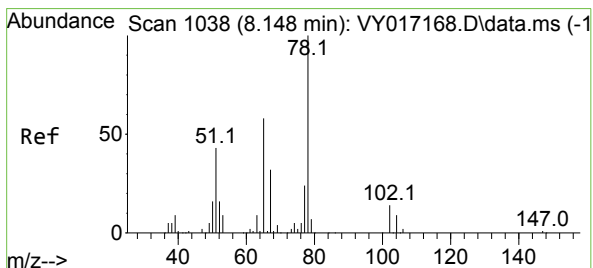
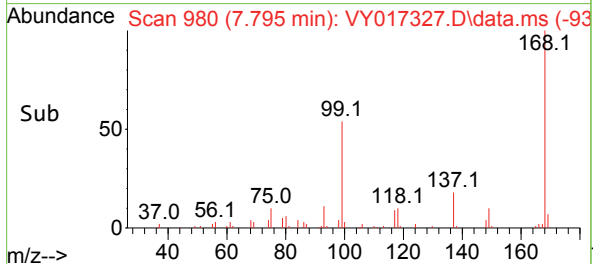
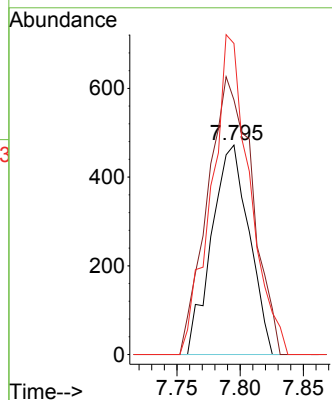


#31
Cyclohexane
Concen: 1.333 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY017327.D
Acq: 08 Feb 2024 20:58

Instrument :
MSVOA_Y
ClientSampleId :

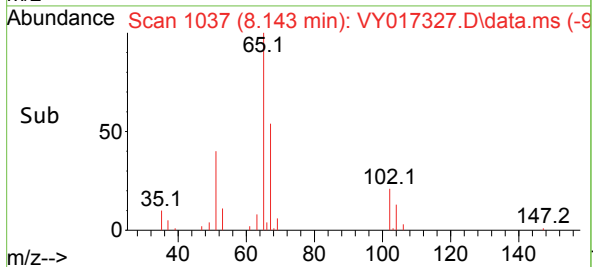
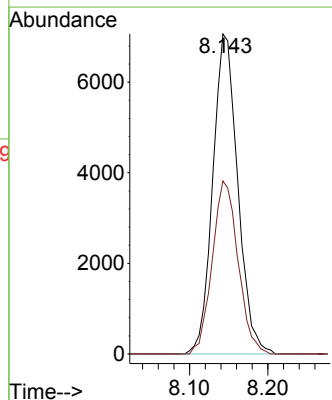
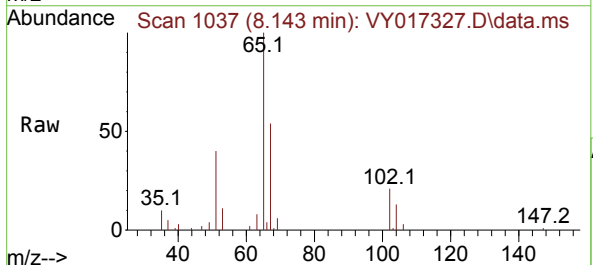


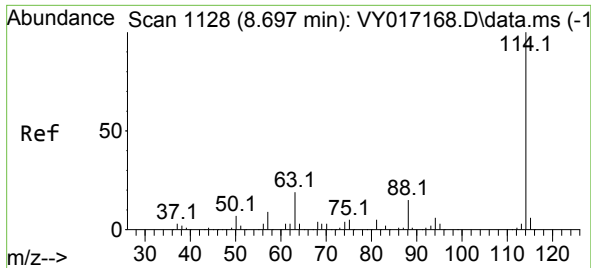
Tgt Ion: 56 Resp: 971
Ion Ratio Lower Upper
56 100
69 121.6 27.0 40.6#
84 148.5 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 43.281 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VY017327.D
Acq: 08 Feb 2024 20:58

Tgt Ion: 65 Resp: 15637
Ion Ratio Lower Upper
65 100
67 55.9 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: VY017327.D

Acq: 08 Feb 2024 20:58

Instrument :

MSVOA_Y

ClientSampleId :

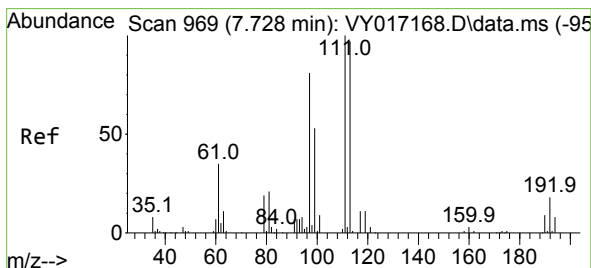
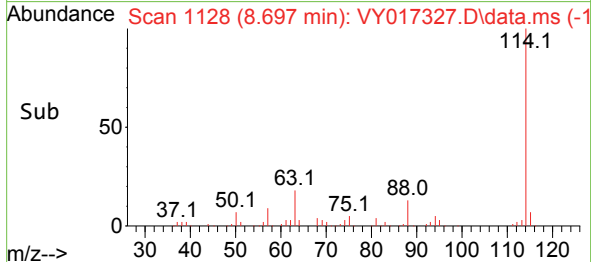
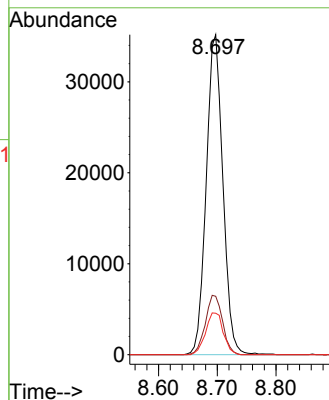
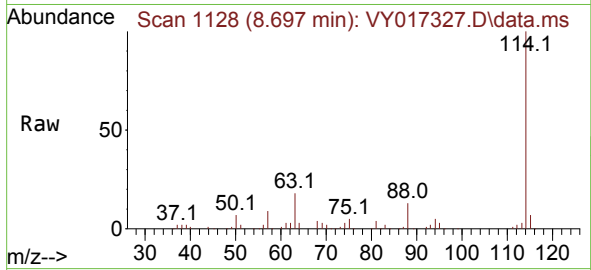
Tgt Ion:114 Resp: 69286

Ion Ratio Lower Upper

114 100

63 18.3 0.0 37.4

88 13.0 0.0 29.0



#35

Dibromofluoromethane

Concen: 50.142 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.000 min

Lab File: VY017327.D

Acq: 08 Feb 2024 20:58

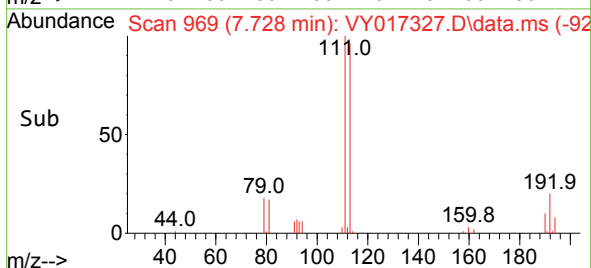
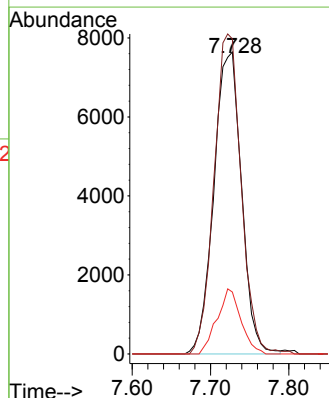
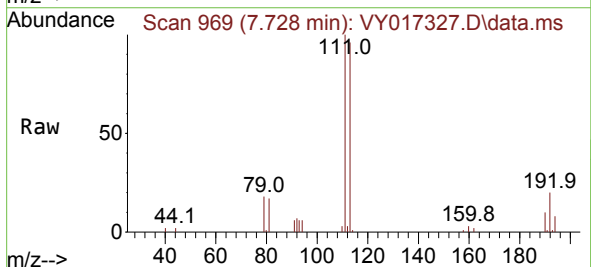
Tgt Ion:113 Resp: 18758

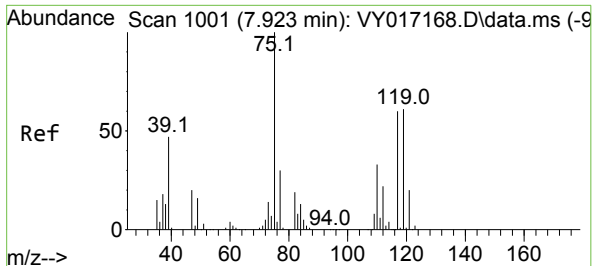
Ion Ratio Lower Upper

113 100

111 103.7 83.8 125.6

192 18.6 14.5 21.7

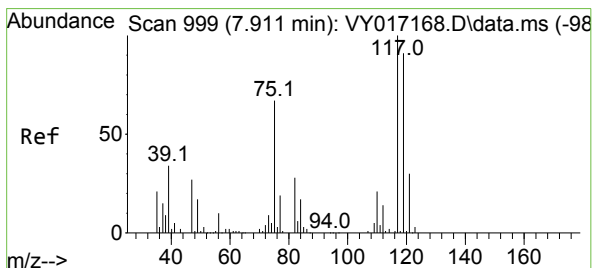
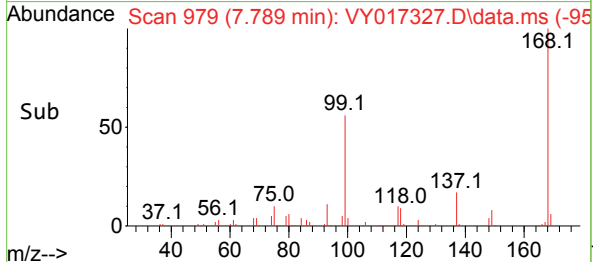
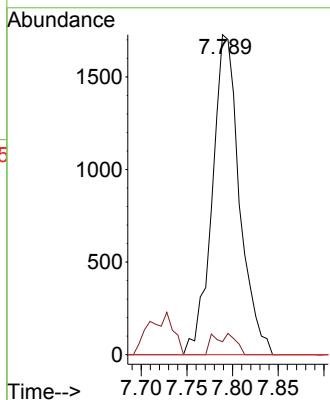
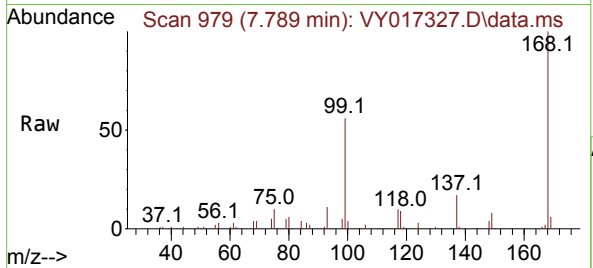




#36
 1,1-Dichloropropene
 Concen: 5.590 ug/l
 RT: 7.789 min Scan# 91
 Delta R.T. -0.134 min
 Lab File: VY017327.D
 Acq: 08 Feb 2024 20:58

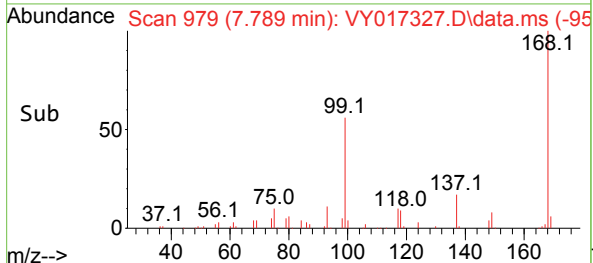
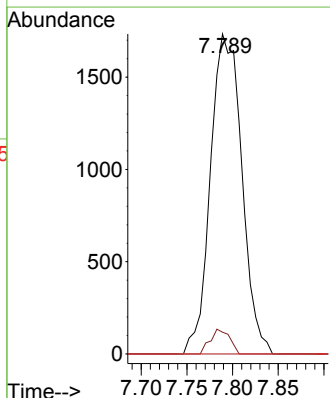
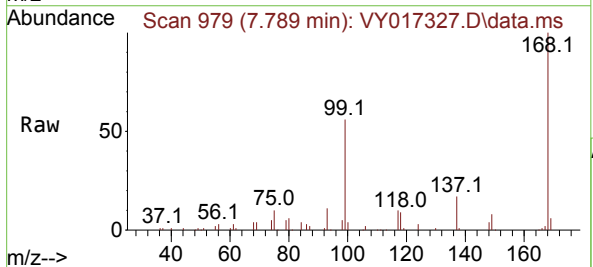
Instrument :
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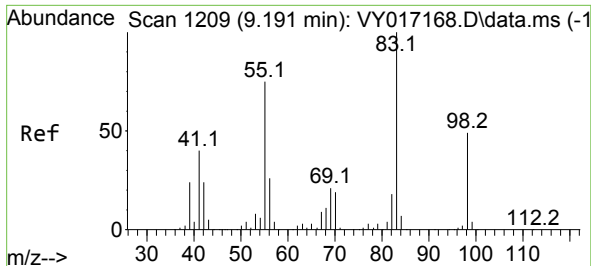
Tgt Ion: 75 Resp: 3607
 Ion Ratio Lower Upper
 75 100
 110 2.7 17.4 52.3#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.702 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.122 min
 Lab File: VY017327.D
 Acq: 08 Feb 2024 20:58

Tgt Ion: 117 Resp: 4141
 Ion Ratio Lower Upper
 117 100
 119 6.8 76.0 114.0#
 121 0.0 24.2 36.2#

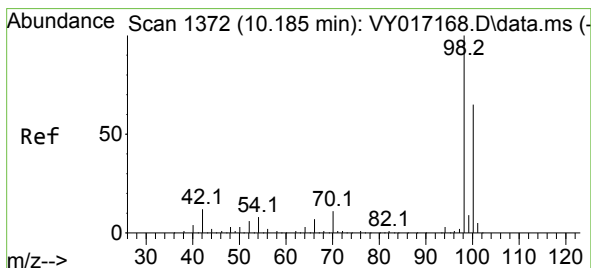
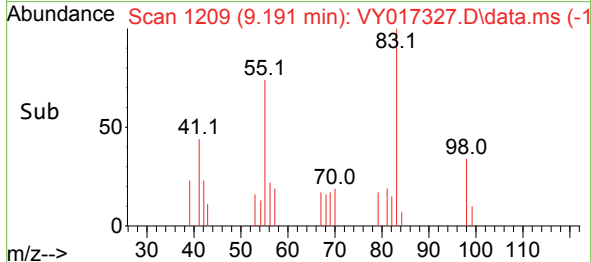
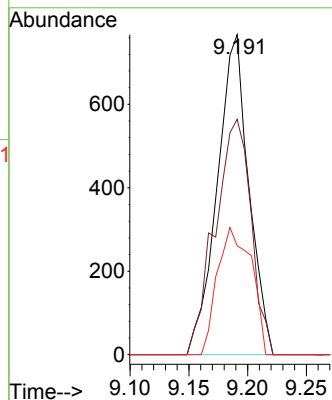
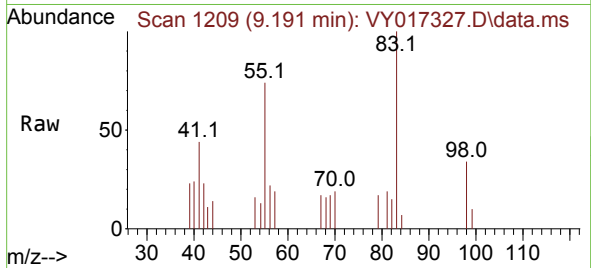




#39
Methylcyclohexane
Concen: 1.905 ug/l
RT: 9.191 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY017327.D
Acq: 08 Feb 2024 20:58

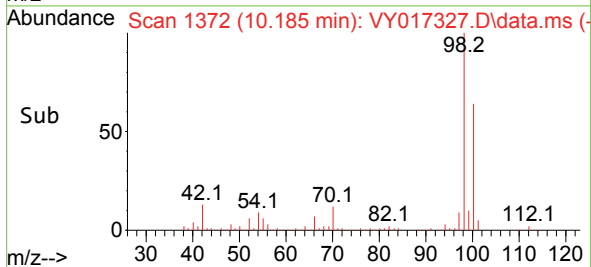
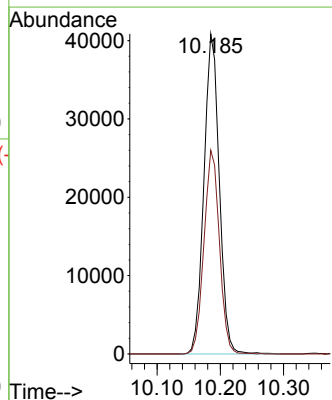
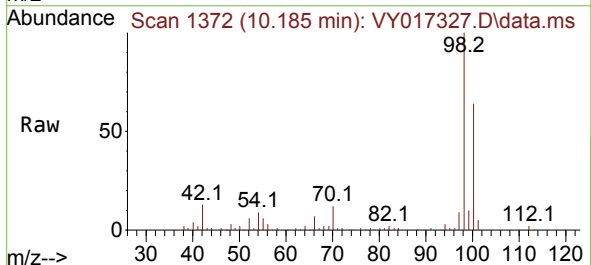
Instrument :
MSVOA_Y
ClientSampleId :

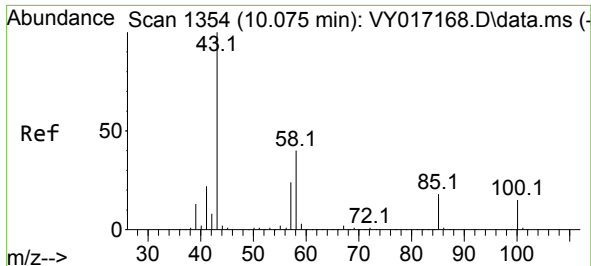
Tgt Ion: 83 Resp: 1436
Ion Ratio Lower Upper
83 100
55 73.5 59.7 89.5
98 34.0 38.0 57.0#



#50
Toluene-d8
Concen: 50.822 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY017327.D
Acq: 08 Feb 2024 20:58

Tgt Ion: 98 Resp: 69223
Ion Ratio Lower Upper
98 100
100 63.8 52.3 78.5

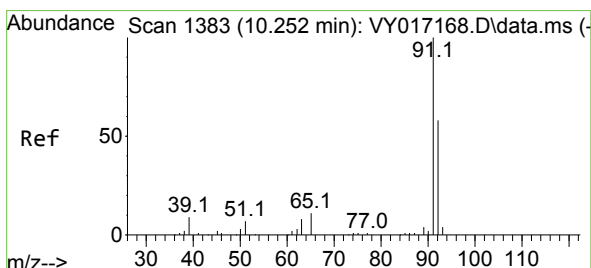
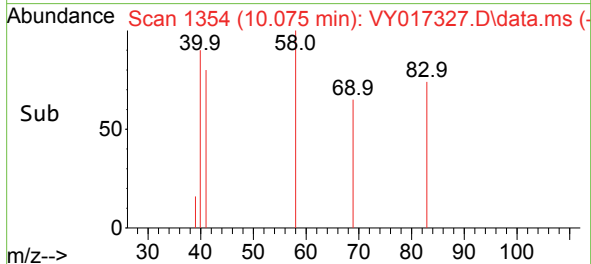
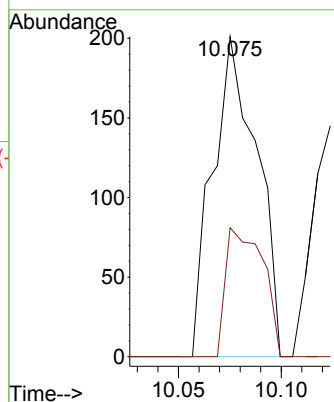
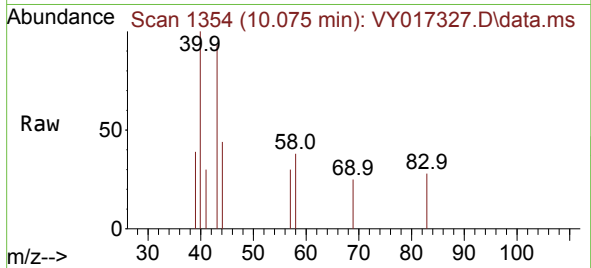




#51
4-Methyl-2-Pentanone
Concen: 1.056 ug/l
RT: 10.075 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY017327.D
Acq: 08 Feb 2024 20:58

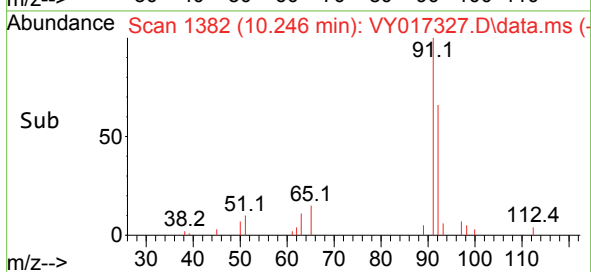
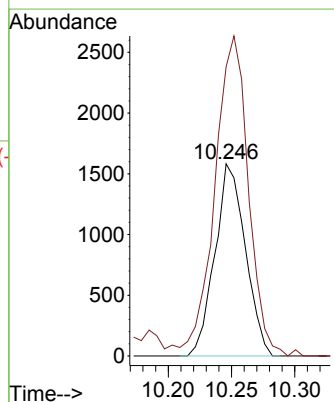
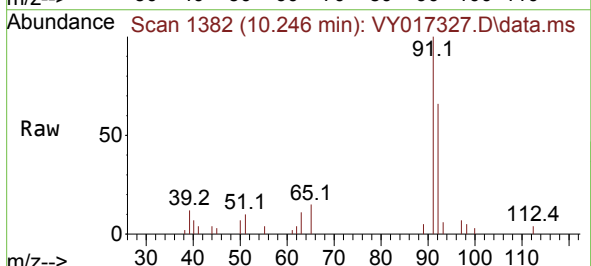
Instrument :
MSVOA_Y
ClientSampleId :

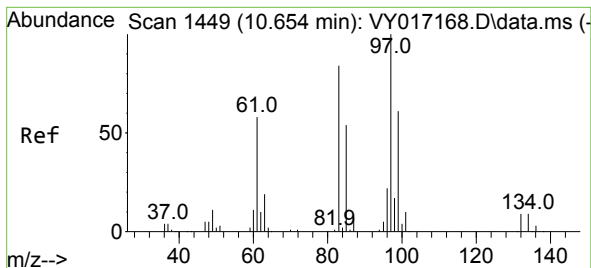
Tgt Ion: 43 Resp: 300
Ion Ratio Lower Upper
43 100
58 34.0 32.2 48.2



#52
Toluene
Concen: 2.382 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.006 min
Lab File: VY017327.D
Acq: 08 Feb 2024 20:58

Tgt Ion: 92 Resp: 2649
Ion Ratio Lower Upper
92 100
91 183.0 137.6 206.4





#55

1,1,2-Trichloroethane

Concen: 6.216 ug/l

RT: 10.624 min Scan# 1444

Delta R.T. -0.030 min

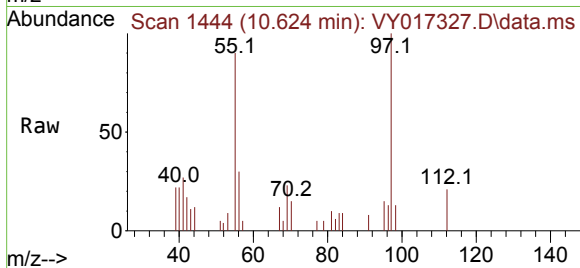
Lab File: VY017327.D

Acq: 08 Feb 2024 20:58

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 97 Resp: 2068

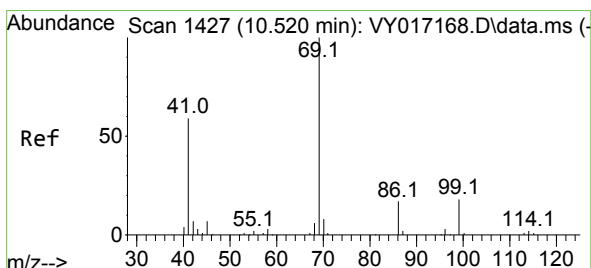
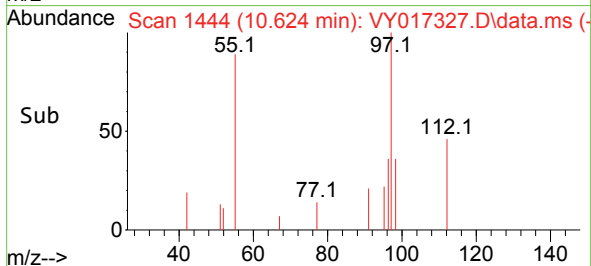
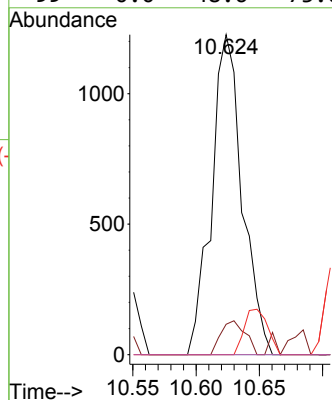
Ion Ratio Lower Upper

97 100

83 9.5 69.4 104.2#

85 0.0 43.9 65.9#

99 0.0 48.6 73.0#



#56

Ethyl methacrylate

Concen: 5.325 ug/l

RT: 10.526 min Scan# 1428

Delta R.T. 0.006 min

Lab File: VY017327.D

Acq: 08 Feb 2024 20:58

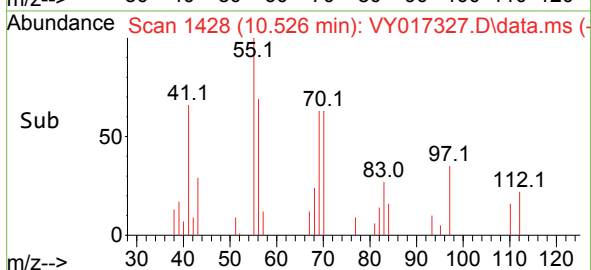
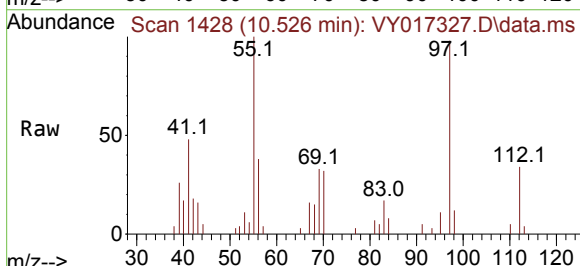
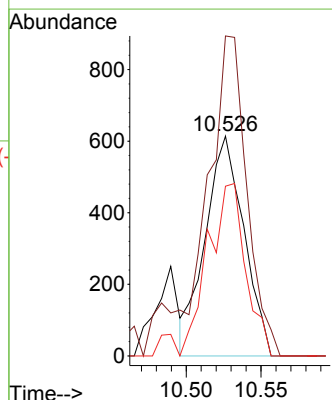
Tgt Ion: 69 Resp: 1105

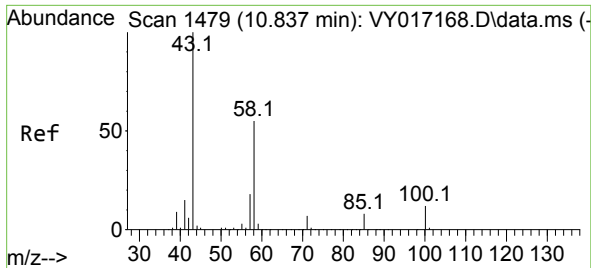
Ion Ratio Lower Upper

69 100

41 146.5 49.2 73.8#

39 80.2 26.8 40.2#

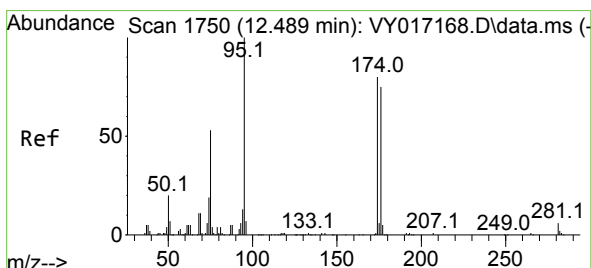
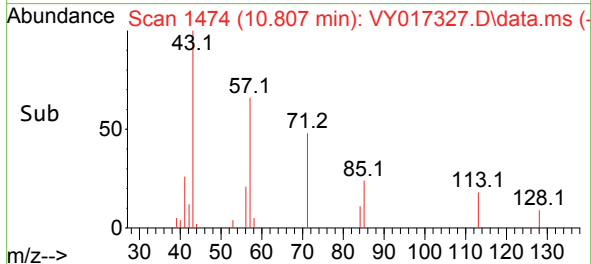
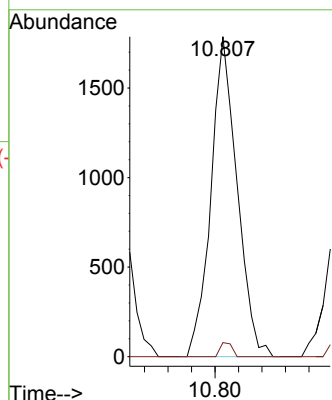
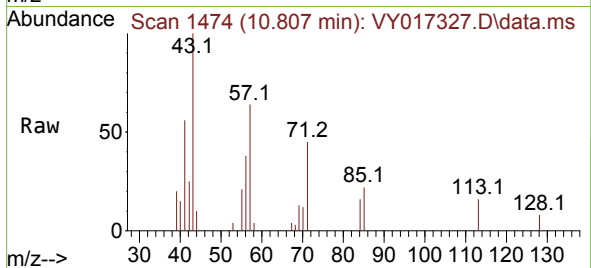




#59
2-Hexanone
Concen: 13.435 ug/l
RT: 10.807 min Scan# 1479
Delta R.T. -0.030 min
Lab File: VY017327.D
Acq: 08 Feb 2024 20:58

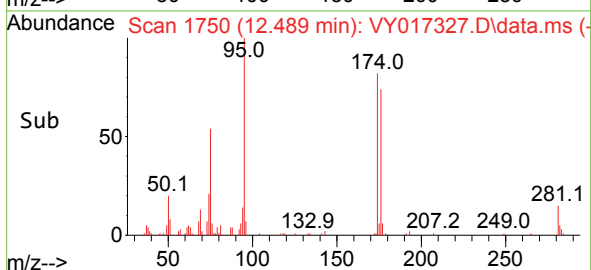
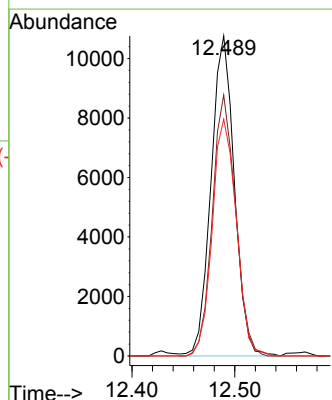
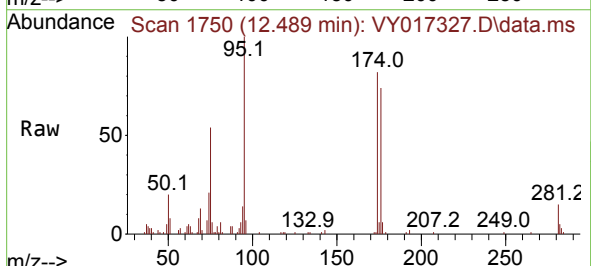
Instrument :
MSVOA_Y
ClientSampleId :

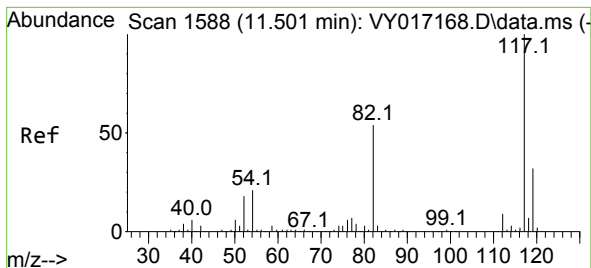
Tgt Ion: 43 Resp: 2759
Ion Ratio Lower Upper
43 100
58 2.0 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 37.959 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VY017327.D
Acq: 08 Feb 2024 20:58

Tgt Ion: 95 Resp: 16937
Ion Ratio Lower Upper
95 100
174 81.1 0.0 160.0
176 76.3 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: VY017327.D

Acq: 08 Feb 2024 20:58

Instrument :

MSVOA_Y

ClientSampleId :

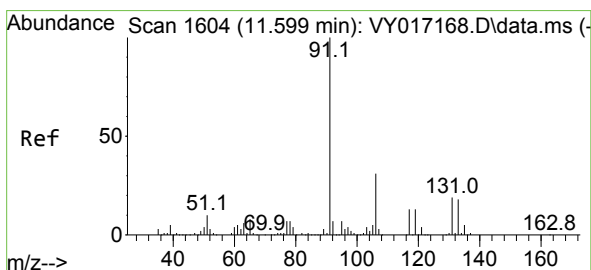
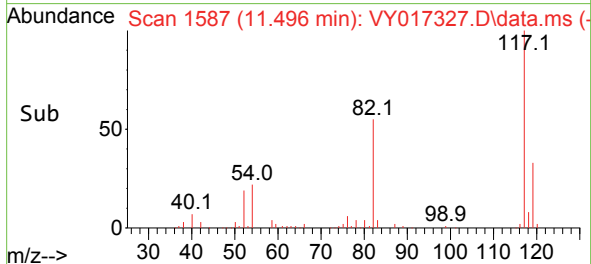
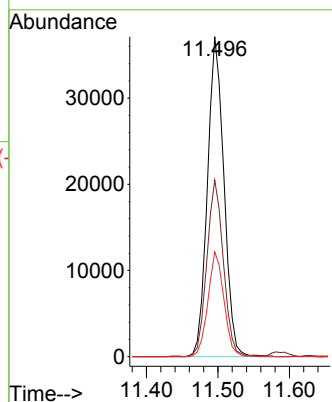
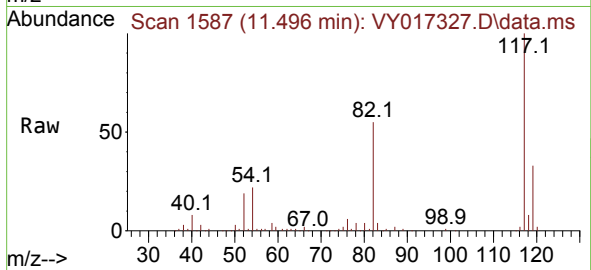
Tgt Ion:117 Resp: 59526

Ion Ratio Lower Upper

117 100

82 55.0 43.8 65.8

119 32.7 26.5 39.7



#67

Ethyl Benzene

Concen: 1.699 ug/l

RT: 11.599 min Scan# 1604

Delta R.T. 0.000 min

Lab File: VY017327.D

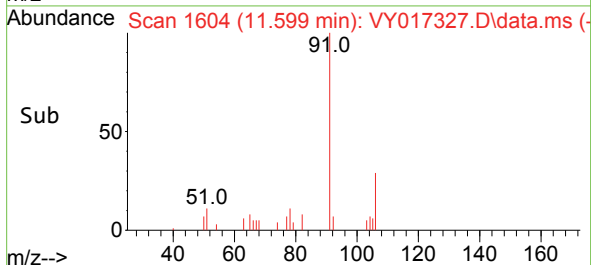
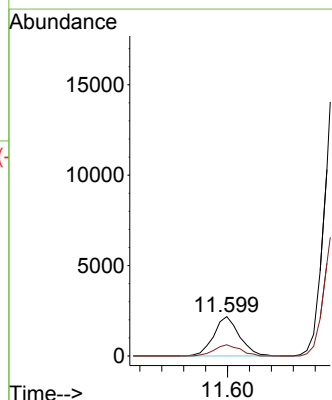
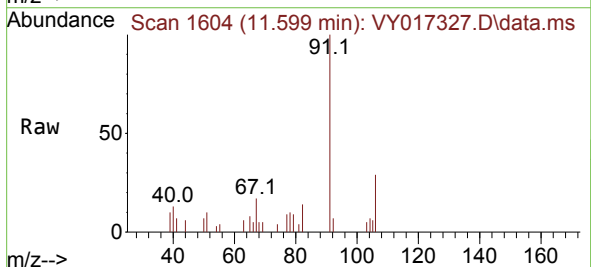
Acq: 08 Feb 2024 20:58

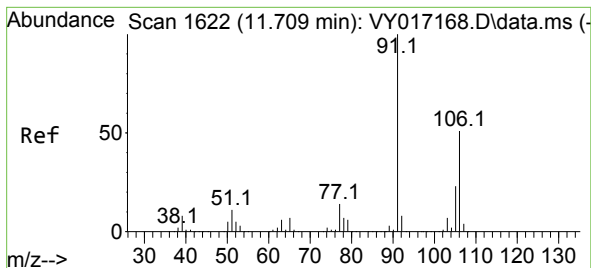
Tgt Ion: 91 Resp: 3527

Ion Ratio Lower Upper

91 100

106 28.5 25.0 37.4





#68

m/p-Xylenes

Concen: 24.202 ug/l

RT: 11.703 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY017327.D

Acq: 08 Feb 2024 20:58

Instrument :

MSVOA_Y

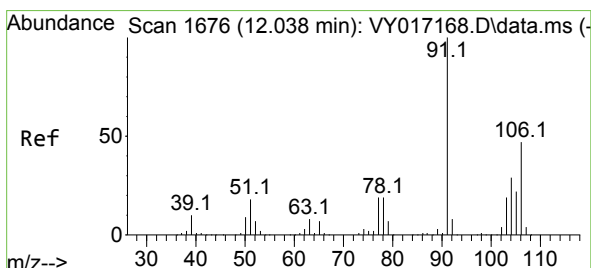
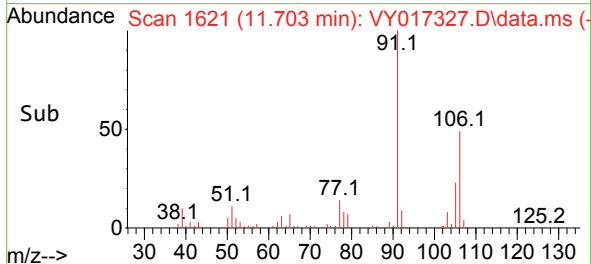
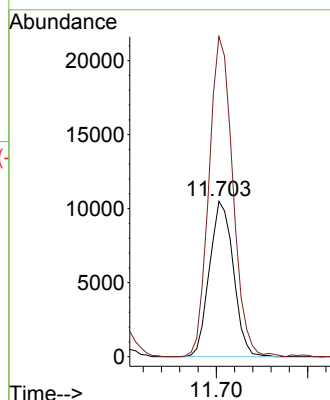
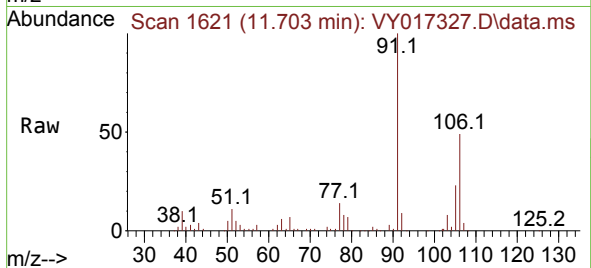
ClientSampleId :

Tgt Ion:106 Resp: 19061

Ion Ratio Lower Upper

106 100

91 206.1 160.7 241.1



#69

o-Xylene

Concen: 16.467 ug/l

RT: 12.032 min Scan# 1675

Delta R.T. -0.006 min

Lab File: VY017327.D

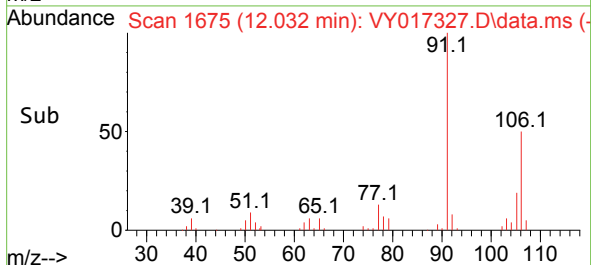
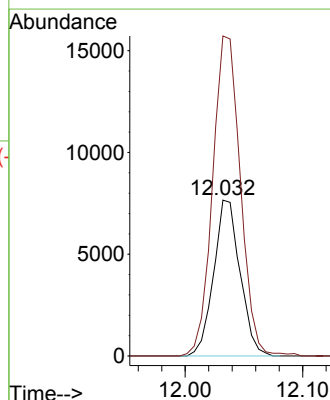
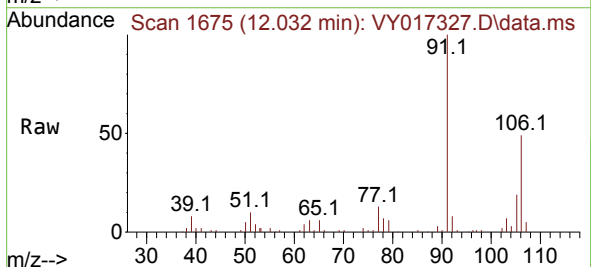
Acq: 08 Feb 2024 20:58

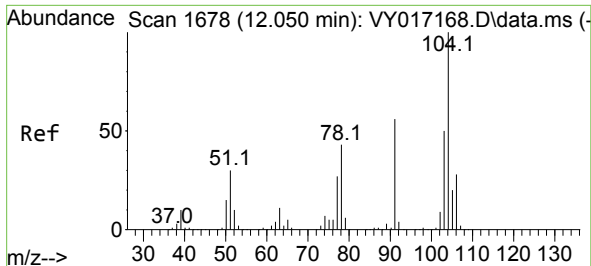
Tgt Ion:106 Resp: 11943

Ion Ratio Lower Upper

106 100

91 216.4 106.5 319.5

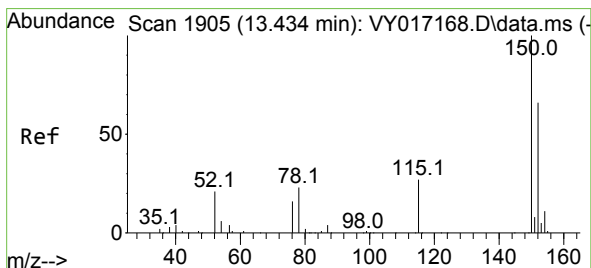
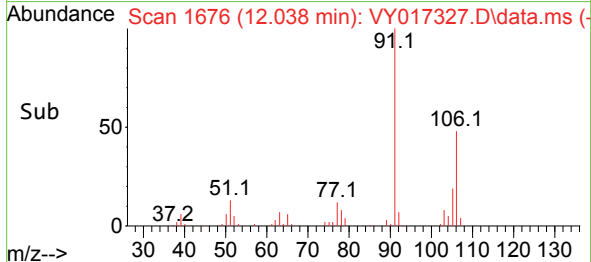
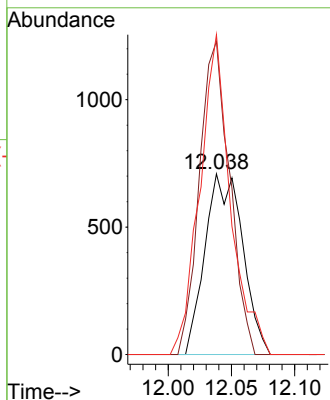
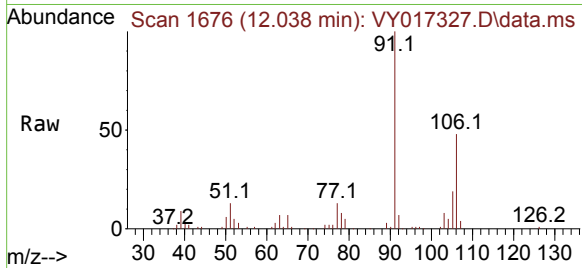




#70
Styrene
Concen: 1.226 ug/l
RT: 12.038 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY017327.D
Acq: 08 Feb 2024 20:58

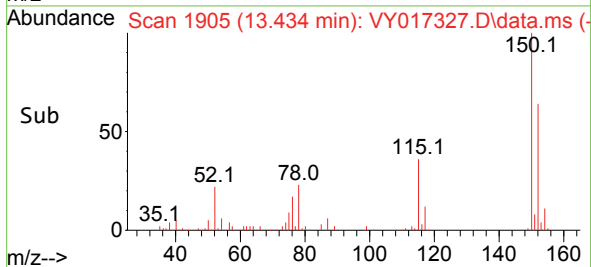
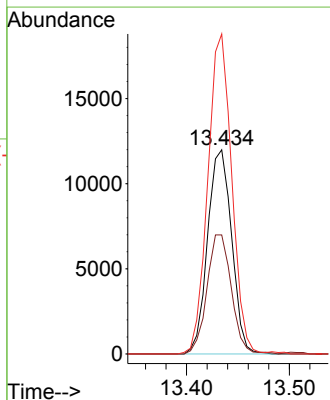
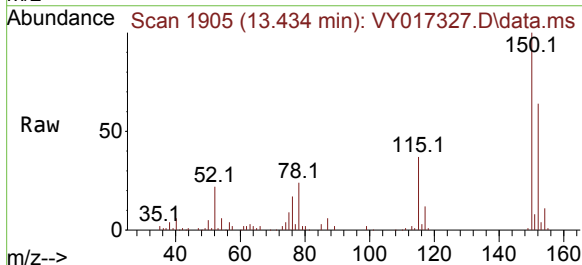
Instrument :
MSVOA_Y
ClientSampleId :

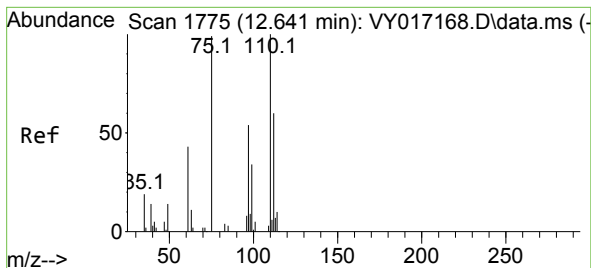
Tgt Ion:104 Resp: 1465
Ion Ratio Lower Upper
104 100
78 139.5 39.2 58.8#
103 144.8 43.8 65.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.000 min
Lab File: VY017327.D
Acq: 08 Feb 2024 20:58

Tgt Ion:152 Resp: 19516
Ion Ratio Lower Upper
152 100
115 59.1 30.0 90.0
150 155.3 0.0 344.6





#76

1,2,3-Trichloropropane

Concen: 50.797 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.152 min

Lab File: VY017327.D

Acq: 08 Feb 2024 20:58

Instrument :

MSVOA_Y

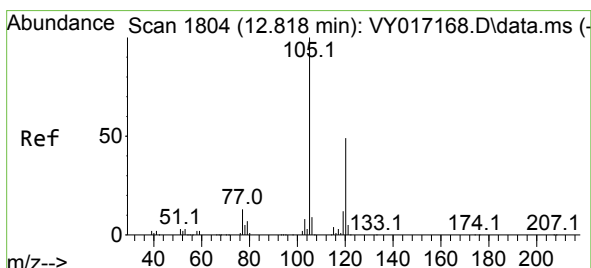
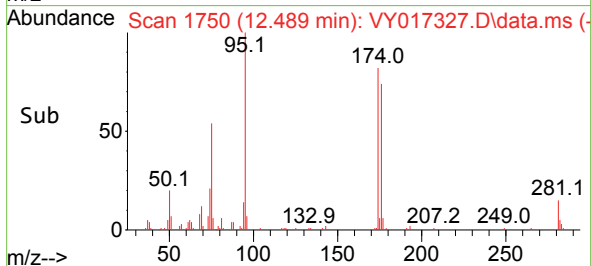
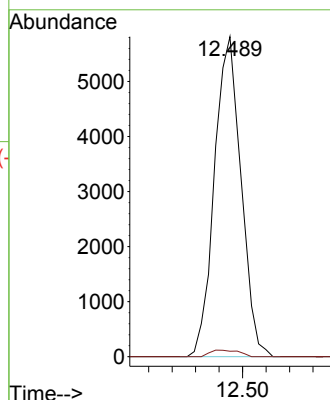
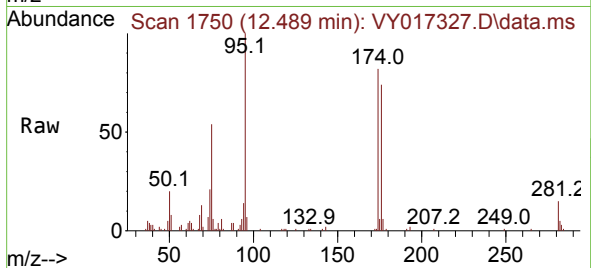
ClientSampleId :

Tgt Ion: 75 Resp: 9150

Ion Ratio Lower Upper

75 100

77 2.2 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 2.491 ug/l

RT: 12.819 min Scan# 1804

Delta R.T. 0.000 min

Lab File: VY017327.D

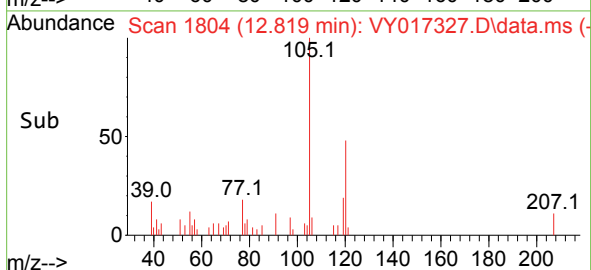
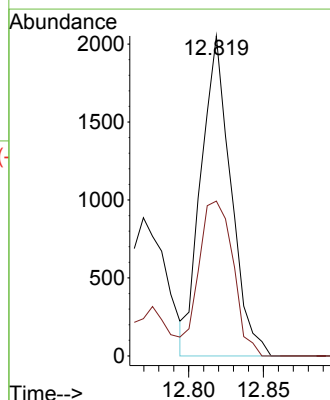
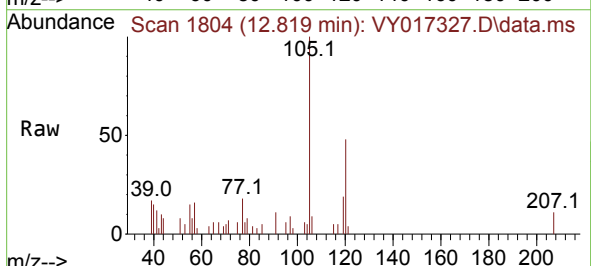
Acq: 08 Feb 2024 20:58

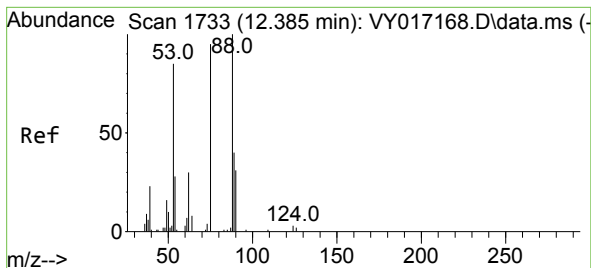
Tgt Ion: 105 Resp: 2840

Ion Ratio Lower Upper

105 100

120 55.6 24.3 72.8

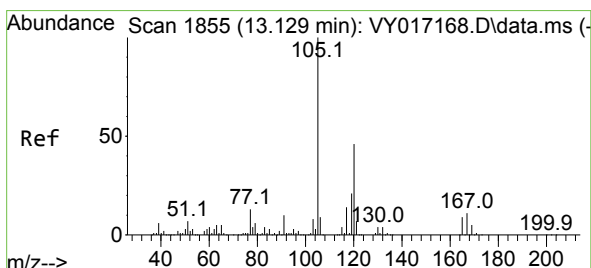
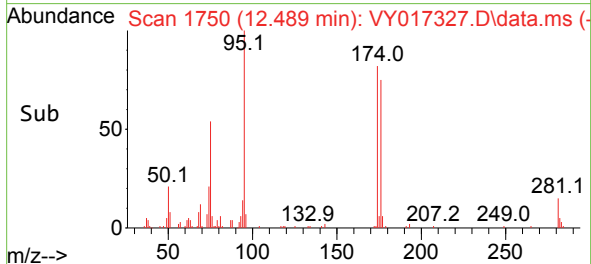
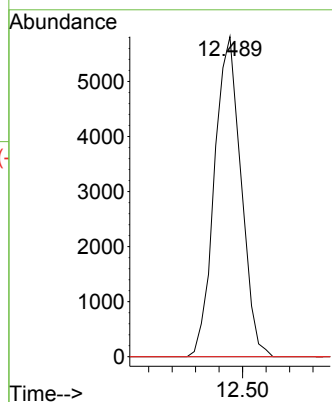
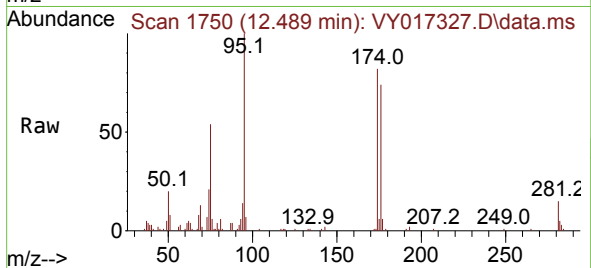




#81
trans-1,4-Dichloro-2-butene
Concen: 105.549 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY017327.D
Acq: 08 Feb 2024 20:58

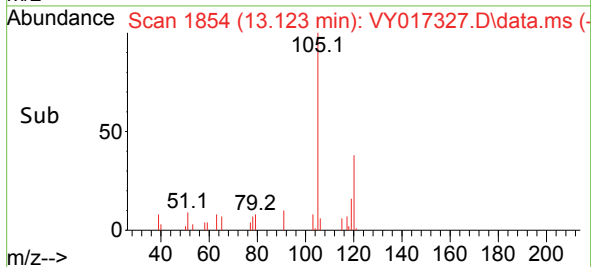
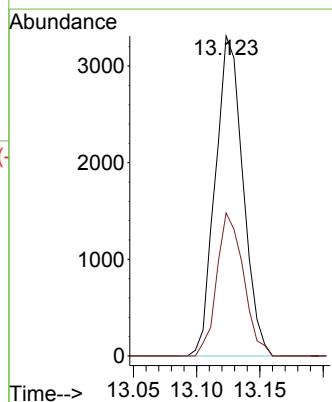
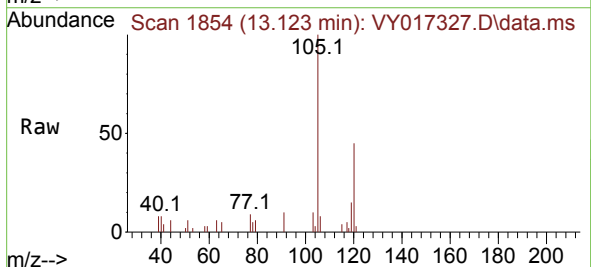
Instrument :
MSVOA_Y
ClientSampleId :

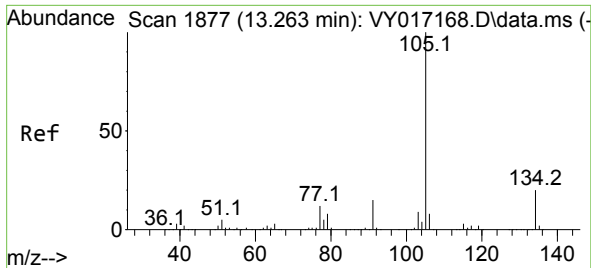
Tgt Ion: 75 Resp: 9150
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#



#84
1,2,4-Trimethylbenzene
Concen: 4.471 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.006 min
Lab File: VY017327.D
Acq: 08 Feb 2024 20:58

Tgt Ion: 105 Resp: 5032
Ion Ratio Lower Upper
105 100
120 43.1 22.1 66.3

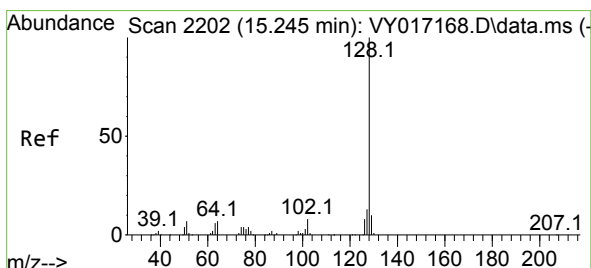
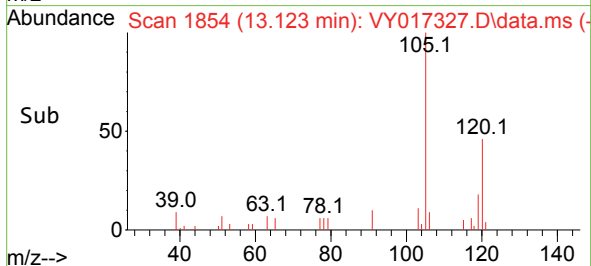
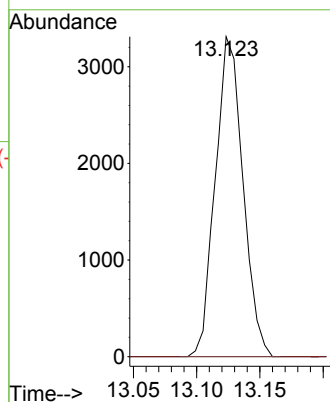
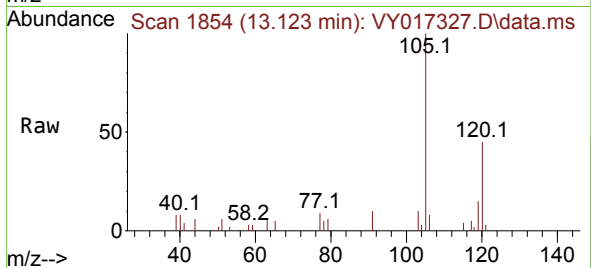




#85
 sec-Butylbenzene
 Concen: 3.294 ug/l
 RT: 13.123 min Scan# 1854
 Delta R.T. -0.140 min
 Lab File: VY017327.D
 Acq: 08 Feb 2024 20:58

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion:105 Resp: 5032
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.7 28.9#



#95
 Naphthalene
 Concen: 137.752 ug/l
 RT: 15.245 min Scan# 2202
 Delta R.T. -0.000 min
 Lab File: VY017327.D
 Acq: 08 Feb 2024 20:58

Tgt Ion:128 Resp: 85635
 Ion Ratio Lower Upper
 128 100
 127 13.0 10.2 15.4
 129 11.1 8.6 12.8

